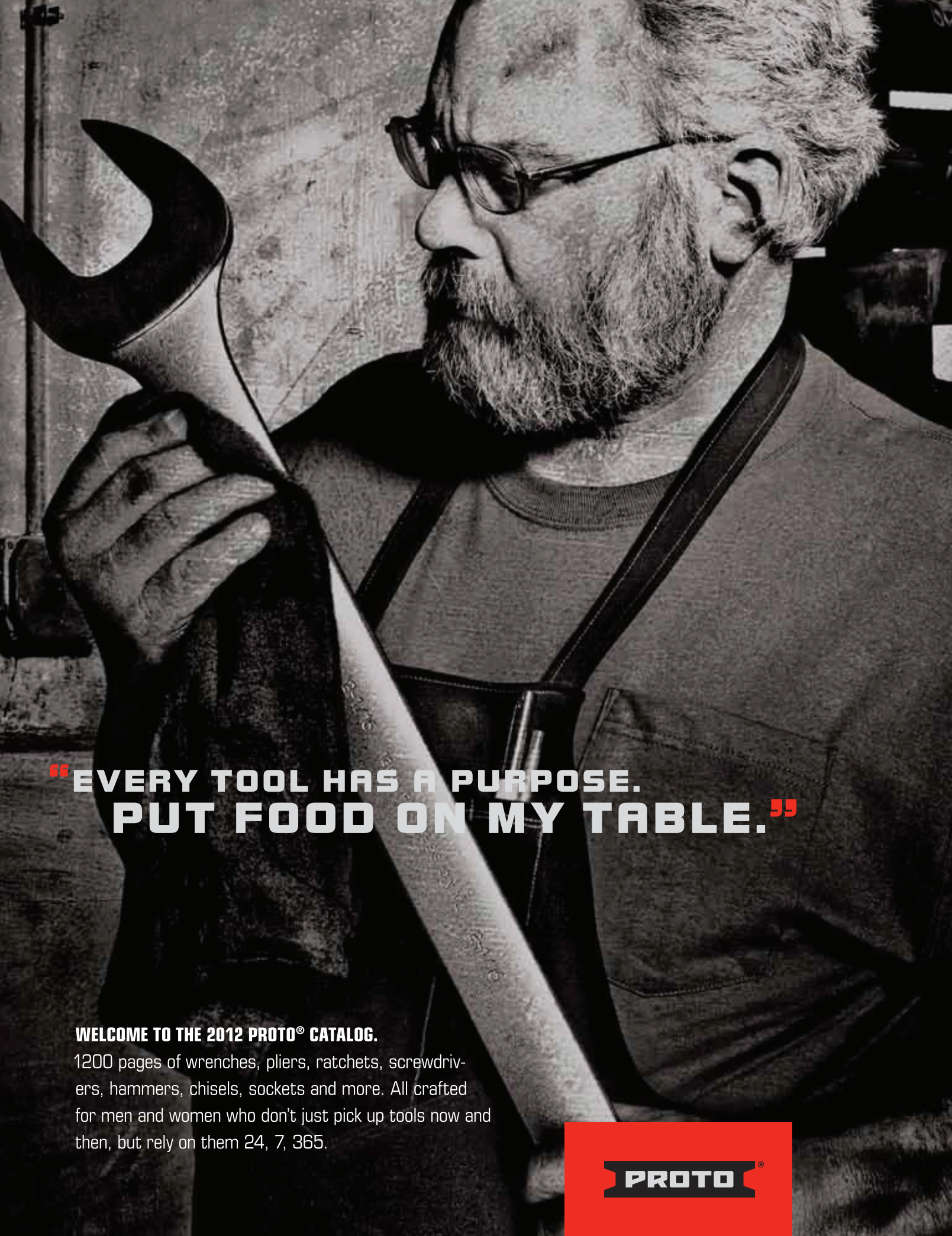


2012
INDUSTRIAL TOOLS
CATALOG

PROTO®



WELCOME TO THE 2012 PROTO® CATALOG.

1200 pages of wrenches, pliers, ratchets, screwdrivers, hammers, chisels, sockets and more. All crafted for men and women who don't just pick up tools now and then, but rely on them 24, 7, 365.

PROTO®

PROTO

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You either show up ready to work or you don't. Proto® tools do. They work in the darkest depths of mines, the corrosive salt air off-shore, the sand-blasted battlefields of the Middle East.

They do it with toughness and in ways that make the job faster, more efficient, more doable.

"THERE IS NO ASTERISK NEXT TO

When a worker pulls a Proto® tool from a belt or box and heads into the roughest duties on the planet, that worker knows he's not alone. And that when he comes back, the job will be done right.



PROTO


"YOU LEARN REAL QUICK TO REACH
FOR WHAT'S
PROTO

Getting a job right day-in and day-out demands strength. The physical strength to endure back-breaking work and grueling hours. The mental strength to focus on the task at hand when arctic cold numbs your fingers or a mechanical break down has the factory floor in a panic. And sheer tool strength, tools that won't snap, bend or bust when called to duty.

STRONG."

Proto® tools are heat forged and nickel-plated. They are tested to thousands of cycles.

And they are proven — having done the job you're asking of them for decades. Literally.

You wouldn't step foot onto a factory floor, shaft elevator or scissor lift without the proper Personal Protective Equipment.

Proto® is just as safety obsessed. Our tools are crafted to exacting standards to perform their duties. They incorporate ergonomically designed handles for firm grips. They include features that prevent wrenches from slipping off fastener heads. And our breadth of line means you can match the right tool to the task. Moreover, our safety team travels the country providing quality information on proper tool inspection, maintenance and use.

"TOOLS ARE PPE. SAME AS THE HAT ON

Proto® understands that a job done right ends at the family dinner table or the local watering hole, not a hospital.


MY HEAD.”
PROTO

Proto® tools have been on the job for more than 100 years, proving their worth on the line, under the ground and in the field.

The automobiles Henry Ford rolled off his line, the dams erected during the Great Depression, the mines and oil rigs that fueled our country's economic might, and the wind turbines spinning above the prairie — these were built by hands holding Proto® tools.

"GRANDDAD WENT TO WORK WITH THE SAME TOOLS I DO.

COURSE HE WALKED

Those hands passed their tools on, right along with their tough-minded work ethic and determination for building products that achieve, perform and endure. It's a heritage we proudly live up to with every tool we sell.



PROTO


“LAST I CHECKED, MY JOB WAS
MADE IN
PROTO

Loyalty to American made, makes sense. The highest quality tools in the world are made by American hands and have been for more than a century. At least that's what we believe at Proto®. Which is why the vast majority of Proto® tools are still designed, forged, stamped, plated, polished, calibrated and crafted in the USA.

AMERICA."

Yes, our tools can cost a bit more because of it. But they meet or exceed industry specifications.

Oh, and they put Americans to work. Like you.

PROTO®'S SAFETY OBSESSED TRAINING PROGRAM

Proto® Industrial Tools are among the safest available, thanks to innovative designs, high-quality materials, and precision manufacturing. However, even the best tools require regular inspection, maintenance, and proper use, which is why a growing number of companies are turning to Proto®'s Safety Obsessed Training Program to promote workplace safety.

The program includes an onsite seminar and accompanying DVD – available in English, Spanish and French – that presents the latest information on safe and responsible tool use for professionals who handle industrial tools. The program helps users identify when tools become worn or damaged and need to be replaced, as well as identifying specific tools and procedures that can improve site safety. Running as short as a half hour, the program can be customized to focus on specific safety concerns pertaining to your facility.

"MAKE THE RIGHT CHOICE. SAFETY FIRST.

The video's concise and easy-to-follow segments include safety basics, sockets and drive tools, wrenches, screwdrivers, striking and struck tools, cutting tools, gear pullers and c-clamps, torque wrenches, and maintenance and storage. Each segment provides a refresher on the proper use of hand tools and general tool knowledge for that product category. The objective is to raise safety awareness and empower workers to identify potentially hazardous situations, offer safe alternatives, and minimize the chance of injuries.

For more information about the Proto® Safety Obsessed Training Program, please contact your Proto® representative.



EVERY TIME.

NO EXCUSES.”

PROTO

SAFETY OBSESSED: A PROTO® SAFETY SEMINAR

Proto® has developed a hand tools safety seminar for presentation at company and industrial sites, focusing on tool safety awareness and what each worker can do to help keep themselves efficient and safe.

This seminar is available upon request to your Proto® representative and features a refresher course on core safety techniques and handling tips for hand tools in industrial environments.

The seminar can be customized to meet the individual safety needs of a specific site or company.

THE SEMINAR COVERS:

- Hands-on demonstration of key tool categories.
- Pointers for choosing the right tool for the job.
- How to check tools for wear and damage.
- Recommendations for workplace safety.
- Examples of tool safety features.

"A PROTO® SAFETY SEMINAR

SAFETY

THE SEMINAR, PRESENTED BY PROTO® AT YOUR REQUEST, INCLUDES:

- 18-minute safety video
- PowerPoint presentation
- Safety posters
- Safety stickers
- Hard hat stickers
- Quiz and supporting materials
- Certificate of completion

The Proto® Safety Obsessed Seminar can be expanded to include a Tool Safety Audit.

PROTO

ONSITE SEMINAR WITH ACCOMPANYING DVD











POWERPOINT PRESENTATION AND CERTIFICATE OF COMPLETION





OBSESSED”

SAFETY POSTERS AND STICKERS









WHEN YOUR FOREMAN SAYS TO GET YOUR YOU-KNOW-WHAT TOGETHER, THIS IS WHAT HE MEANS.

Because stationary or mobile, gigantic or small, Proto® tool boxes aren't just metal bins. They're icons of organization and efficiency. We're talking full extension drawers, sectionalized compartments and dozens of configurations. They're also built like a sledge with thick gauge steel housings, heavy steel drawer fronts, ball bearing slides and electrocoat finishes. Mobile units get beefed up further with diagonal reinforcing bars and shock absorbing wheels. It's everything you need to get squared away and stay that way, for a good, long time.

TOOL STORAGE



Heavy-Duty Utility Cart

PROTO

TOOL STORAGE ORGANIZED AROUND YOU

Proto® offers three series of tool storage solutions, from the versatile 440 series to the super-heavy-duty 460 series. All are built to exacting standards, include drawer liners, and have premium features like full-extension drawers, recessed drawer pulls, available built-in drawer compartments and durable finishes.

450 SERIES COLOR OPTIONS

Custom Colors Available by Request









440 SERIES
Available in Red and Black



TOOL BOX PRODUCT NUMBER IDENTIFICATION

Proto®'s item numbering system for tool boxes is designed to make it easy for users to identify the box that has the size and drawer configuration that best meets their needs.

EXAMPLE: J442742—4RD—D

Part Number Key

Series of Tool Box | Width and Height (inches) | # of Drawers | Cabinet Color | Special Feature

Special Feature Code

D = Drop Front IC = Intermediate Chest SC = Side Cabinet LK = Locker 1S = 1 Shelf 2S = 2 Shelf

460 SERIES — PREMIUM, HEAVY-DUTY STORAGE



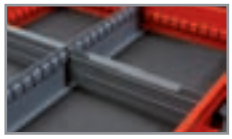
All 460 series cabinets feature wood top work surfaces



Lock-in, lock-out drawers for security and safety



Drawer dividers make each drawer custom configurable





6" casters — 2 swivel, 2 rigid — load-rated to carry 800 lbs. per caster



Drawer capacity slides rated to 400 lbs.

450 SERIES — PREMIUM, INDUSTRIAL-DUTY STORAGE

Drawers extend fully and still carry 200 lbs



Dual ball bearing slides on deep drawers for added strength



6"x 2" Phenolic casters are load-rated to carry 700 lbs. per caster

460 45" WORKSTATION - 10 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J464542-10RD	Red	45	42-1/2	21-3/8	400



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	42-1/2	4-5/8	19-7/8
2	Drawer	20-1/4	3	19-7/8
1	Drawer	20-1/4	7	19-7/8
1	Drawer	20-1/4	12-1/2	19-7/8
1	Drawer	20-1/4	3-7/8	19-7/8
3	Drawer	20-1/4	4-5/8	19-7/8
1	Drawer	20-1/4	7-7/8	19-7/8

- Premium tool storage line.
- Cubic inch capacity is 24,457.
- 22" depth footprint for high mobility.
- All steel construction.
- Heavy drawer capacity slides rated at 400 lbs.
- Lock in / lock out drawers for security and safety.
- Heavy load bearing casters – 800 lbs.
- Built in compartments for customizable storage needs.
- Heavy-duty 6" casters (2 swivel and 2 rigid).
- Red powder coated finish.
- Heavy-duty tubular lock system.
- Vinyl top and drawer liners included.

460 45" WORKSTATION - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J464542-6RD-1S	Red	45	42-1/2	21-3/8	390



Qty.	Type	Length In.	Height In.	Depth In.
1	Drawer	42-1/2	4-5/8	19-7/8
1	Drawer	20-1/4	3-7/8	19-7/8
3	Drawer	20-1/4	4-5/8	19-7/8
1	Drawer	20-1/4	7-7/8	19-7/8
1	Compartment	20-1/4	21-1/2	19-7/8

- Premium tool storage line.
- Cubic inch capacity is 24,498.
- 22" depth footprint for high mobility.
- All steel construction.
- Heavy drawer capacity slides rated at 400 lbs.
- Lock in / lock out drawers for security and safety.
- Heavy load bearing casters – 800 lbs.
- Built in compartments for customizable storage needs.
- Heavy-duty 6" casters (2 swivel and 2 rigid).
- Red powder coated finish.
- Heavy-duty tubular lock system.
- Vinyl top and drawer liners included.

460 30" ROLLER CABINET - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J463042-6RD	Red	30	42-1/2	21-3/8	354



Qty.	Type	Length In.	Height In.	Depth In.
1	Drawer	42-1/2	3	19-7/8
2	Drawer	20-1/4	3-7/8	19-7/8
1	Drawer	20-1/4	4-5/8	19-7/8
1	Drawer	20-1/4	6-1/4	19-7/8
1	Drawer	20-1/4	9-3/8	19-7/8

- Premium tool storage line.
- Cubic inch capacity is 15,965.
- 22" depth footprint for high mobility.
- All steel construction.
- Heavy drawer capacity slides rated at 400 lbs.
- Lock in / lock out drawers for security and safety.
- Heavy load bearing casters – 800 lbs.
- Built in compartments for customizable storage needs.
- Heavy-duty 6" casters (2 swivel and 2 rigid).
- Red powder coated finish.
- Heavy-duty tubular lock system.
- Vinyl top and drawer liners included.

THE STORY BEHIND THE 460 SERIES WORKSTATIONS

The 460 Series workstations are not so much a tool box as they are a mobile version of industrial storage. Everything from the drawers to the chests to the cabinets has been beefed up to handle bigger and heavier loads.

Designed by our engineers who specialize in permanent storage cabinets, the 460 workstation combines the strength and capacity of built-in storage with the flexiblity and speed of a mobile unit.

LOCK-IN / LOCK-OUT DRAWERS

Drawers have a lift lever that not only makes tray movement easier when fully loaded; but the drawers also have a lock/lift that set the drawer down into a locked position each time it closes. That way, when you roll the cabinet, the drawers stay shut.

HEAVIER LOAD CAPACITY

You can safely move larger tool loads around the workshop when the drawers hold 400 lbs. of weight instead of 200 lbs.

Casters are also stronger - they can hold 800 lbs. of weight.

BETTER TOOL ORGANIZATION

Each drawer is built with customized storage dividers already included. This feature keeps tools neat and organized, as well as preventing items from rolling and mixing as the workstation is moved.



Many kinds of storage dividers to organize tools.



Lock and Lift Drawer System secures heavy loads tightly, but keep drawer movement smooth and easy.



450HS 67" WORKSTATION - 20 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J456741-20RD	Red	66-7/8	41	25-1/4	600



Sizes	Qty.	Length In.	Height In.	Depth In.
X-WIDE	1	44-7/16	4-1/2	23
WIDE	2	28	2-1/4	23
	2	28	3-3/8	23
	1	28	4-1/2	23
	1	28	6-7/8	23
NARROW	5	13-7/16	2-1/4	23
	4	13-7/16	3-3/8	23
	3	13-7/16	4-1/2	23
	1	13-7/16	11-1/2	23

- Storage capacity 30,519 cubic inches.
- Large top drawer for socket storage.
- Tubular lock for added security.
- Full length aluminum drawer pulls.
- 6"x2" Heavy-Duty casters with 1200-lbs. capacity per wheel.
- Ball bearing track slides.
  - 125-lbs. capacity (250-lbs. for drawers with 2 sets of slides)
  - Adjustable detents 12 to 24-lbs. pull force
- Interchangeable drawers can be moved to meet customer's needs.
- Vinyl top and drawer liners included.

450HS 66" WORKSTATION - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J456646-12RD	Red	66-1/2	46	27	750
J456646-12BK	Black	66-1/2	46	27	750
J456646-12BL	Blue	66-1/2	46	27	750
J456646-12YL	Yellow	66-1/2	46	27	750



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	59	6	24-3/4
2	Drawer	37-3/8	1-3/4	24-3/4
2	Drawer	37-3/8	3	24-3/4
1	Drawer	37-3/8	4	24-3/4
1	Drawer	37-3/8	6	24-3/4
2	Drawer	18-2/3	1-3/4	24-3/4
2	Drawer	18-2/3	3	24-3/4
1	Drawer	18-2/3	11	24-3/4

- Cubic inch capacity is 36,455.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 66" WORKSTATION - 11 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J456646-11RD	Red	66-1/2	46	27	750
J456646-11BK	Black	66-1/2	46	27	750
J456646-11BL	Blue	66-1/2	46	27	750
J456646-11YL	Yellow	66-1/2	46	27	750



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	59	6	24-3/4
2	Drawer	37-3/8	3	24-3/4
2	Drawer	37-3/8	4	24-3/4
1	Drawer	37-3/8	6	24-3/4
2	Drawer	18-2/3	1-3/4	24-3/4
2	Drawer	18-2/3	3	24-3/4
1	Drawer	18-2/3	18	24-3/4

- Cubic inch capacity is 35,917.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 57" WORKSTATION - 13 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J455743-13RD	Red	57	43	25	625
J455743-13BK	Black	57	43	25	625
J455743-13BL	Blue	57	43	25	625
J455743-13YL	Yellow	57	43	25	625



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	28	1-3/4	23
2	Drawer	28	3	23
1	Drawer	28	4	23
1	Drawer	28	6-3/8	23
2	Drawer	18-2/3	1-3/4	23
2	Drawer	18-2/3	4	23
1	Drawer	18-2/3	11	23
1	Drawer	49-2/3	3-7/8	23

- Cubic inch capacity is 28,291.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.



450HS 57" WORKSTATION - 11 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455743-11RD	Red	57	43	25	625
J455743-11BK	Black	57	43	25	625
J455743-11BL	Blue	57	43	25	625
J455743-11YL	Yellow	57	43	25	625



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	28	4	23
3	Drawer	28	6-3/8	23
1	Drawer	18-2/3	1-3/4	23
5	Drawer	18-2/3	4	23
1	Drawer	49-2/3	3-7/8	23

- Cubic inch capacity is 26,541.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 50" WORKSTATION - 8 DRAWER - 2 SHELVES

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455041-8RD-2S	Red	50-1/2	41	25	475
J455041-8BK-2S	Black	50-1/2	41	25	475
J455041-8BL-2S	Blue	50-1/2	41	25	475
J455041-8YL-2S	Yellow	50-1/2	41	25	475



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	28	1-3/4	23
3	Drawer	28	4	23
1	Drawer	44-7/16	4	23
2	Bin	13-7/16	18	23

- Cubic inch capacity is 18,920.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 50" WORKSTATION - 8 DRAWER - 1 SHELF

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455041-8RD-1S	Red	50-1/2	41	25	475
J455041-8BK-1S	Black	50-1/2	41	25	475
J455041-8BL-1S	Blue	50-1/2	41	25	475
J455041-8YL-1S	Yellow	50-1/2	41	25	475



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	28	1-3/4	23
3	Drawer	28	4	23
1	Drawer	44-7/16	4	23
1	Bin	13-7/16	18	23

- Cubic inch capacity is 20,092.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 50" WORKSTATION - 7 DRAWER - 1 SHELF

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455041-7RD-1S	Red	50-1/2	41	25	475
J455041-7BK-1S	Black	50-1/2	41	25	475
J455041-7BL-1S	Blue	50-1/2	41	25	475
J455041-7YL-1S	Yellow	50-1/2	41	25	475



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	28	1-3/4	23
2	Drawer	28	3	23
3	Drawer	28	4	23
1	Drawer	44-7/16	4	23
1	Bin	13-7/16	18	23

- Cubic inch capacity is 18,109.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 50" WORKSTATION - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J455041-12RD	Red	50-1/2	41	25	475
J455041-12BK	Black	50-1/2	41	25	475
J455041-12BL	Blue	50-1/2	41	25	475
J455041-12YL	Yellow	50-1/2	41	25	475



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	28	1-3/4	23
3	Drawer	28	4	23
1	Drawer	28	6-7/16	23
1	Drawer	13-7/16	1-3/4	23
2	Drawer	13-7/16	3	23
3	Drawer	13-7/16	4	23
1	Drawer	44-7/16	4	23

- Cubic inch capacity is 23,419.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 50" WORKSTATION - 10 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455041-10RD	Red	50-1/2	41	25	475
J455041-10BK	Black	50-1/2	41	25	475
J455041-10BL	Blue	50-1/2	41	25	475
J455041-10YL	Yellow	50-1/2	41	25	475



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	28	1-3/4	23
3	Drawer	28	4	23
1	Drawer	28	6-7/16	23
1	Drawer	13-7/16	1-3/4	23
2	Drawer	13-7/16	4	23
1	Drawer	13-7/16	11	23
1	Drawer	44-7/16	4	23

- Cubic inch capacity is 23,779.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 34" ROLLER CABINET - 8 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453441-8RD	Red	34	41	25	310
J453441-8BK	Black	34	41	25	310
J453441-8BL	Blue	34	41	25	310
J453441-8YL	Yellow	34	41	25	310



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	28	1-3/4	23
1	Drawer	28	4	23
2	Drawer	28	3	23
1	Drawer	28	6-1/2	23

- Cubic inch capacity is 15,134.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

450HS 34" ROLLER CABINET - 7 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453441-7RD	Red	34	41	25	310
J453441-7BK	Black	34	41	25	310
J453441-7BL	Blue	34	41	25	310
J453441-7YL	Yellow	34	41	25	310



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	28	1-3/4	23
2	Drawer	28	4	23
2	Drawer	28	6-1/2	23

- Cubic inch capacity is 15,390.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

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450HS 34" ROLLER CABINET - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453441-6RD	Red	34	41	25	310
J453441-6BK	Black	34	41	25	310
J453441-6BL	Blue	34	41	25	310
J453441-6YL	Yellow	34	41	25	310



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	28	1-3/4	23
2	Drawer	28	4	23
2	Drawer	28	6-1/2	23

- Cubic inch capacity is 15,765.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.
- 6" x 2" Poly casters - 700 lbs./caster.

HEAVY-DUTY UTILITY CARTS

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J459000-3RD	Red	39-1/2	46	23	350
J459000-3BK	Black	39-1/2	46	23	350
J459000-3BL	Blue	39-1/2	46	23	350
J459000-3YL	Yellow	39-1/2	46	23	350



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	28-5/8	2-7/8	18-3/8
1	Drawer	28-5/8	5-7/16	18-3/8
1	Compartment	31-1/4	5-7/16	17-1/2

- Proto® Utility Carts have been developed to meet the increasing requirements that customers demand.
- Cubic inch capacity is 25,450.
- 36-1/2" x 21-1/2" top work surface with vinyl mat.
- Oil filled shock lift top.
- Single barrel lock.
- Retractable lift lid opens to a 5" storage compartment with side and back storage for long handled items.
- Three drawers for storage.
  Two: 2-3/4" drawers. One: 6" drawer.
  - 100 lbs. ball bearing slides.
  - Dual ball bearing slides on 6" drawer only.
- Open storage area.
- Outside and inside extension / pry bar storage area.
- 5" x 2" Casters. 2 rigid, 2 swivel.
- Vinyl top and drawer liners included.

450HS 66" TOP CHEST - 10 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J456627-10RD	Red	66	27-1/4	27	550
J456627-10BK	Black	66	27-1/4	27	550
J456627-10BL	Blue	66	27-1/4	27	550
J456627-10YL	Yellow	66	27-1/4	27	550



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	37-3/8	2-1/4	24-3/4
2	Drawer	37-3/8	3-3/8	24-3/4
3	Drawer	18-5/8	2-1/4	24-3/4
2	Drawer	18-5/8	3-3/8	24-3/4
1	Compartment	58	6-7/16	24-3/4

- Cubic inch capacity is 26,684.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS 66" TOP CHEST - 8 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J456627-8RD	Red	66	27-1/4	27	550
J456627-8BK	Black	66	27-1/4	27	550
J456627-8BL	Blue	66	27-1/4	27	550
J456627-8YL	Yellow	66	27-1/4	27	550



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	37-3/8	2-1/4	24-3/4
2	Drawer	37-3/8	3-3/8	24-3/4
1	Drawer	37-3/8	2-1/4	24-3/4
4	Drawer	18-5/8	3-3/8	24-3/4
1	Compartment	58	6-7/16	24-3/4

- Cubic inch capacity is 25,494.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 200 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

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450HS 50" TOP CHEST - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J455027-12RD	Red	50-1/2	27	25	370
J455027-12BK	Black	50-1/2	27	25	370
J455027-12BL	Blue	50-1/2	27	25	370
J455027-12YL	Yellow	50-1/2	27	25	370



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	28	1-3/4	23
2	Drawer	28	3	23
4	Drawer	13-7/16	1-3/4	23
2	Drawer	13-7/16	3	23
1	Compartment	44-1/4	5-1/4	23-1/4

- Cubic inch capacity is 17,641.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS 50" TOP CHEST - 10 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J455027-10RD	Red	50-1/2	27	25	370
J455027-10BK	Black	50-1/2	27	25	370
J455027-10BL	Blue	50-1/2	27	25	370
J455027-10YL	Yellow	50-1/2	27	25	370



Quantity	Type	Length In.	Height In.	Deph In.
2	Drawer	28	1-3/4	23
2	Drawer	28	3	23
1	Drawer	28	4	23
2	Drawer	13-7/16	1-3/4	23
2	Drawer	13-7/16	3	23
1	Drawer	28	4	23
1	Compartment	44-1/4	5-1/4	23-1/4

- Cubic inch capacity is 18,197.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS 50" TOP CHEST - 8 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J455027-8RD	Red	50-1/2	27	25	370
J455027-8BK	Black	50-1/2	27	25	370
J455027-8BL	Blue	50-1/2	27	25	370
J455027-8YL	Yellow	50-1/2	27	25	370



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	28	3	23
2	Drawer	28	4	23
2	Drawer	13-7/16	3	23
2	Drawer	13-7/16	4	23
1	Compartment	44-1/4	5-1/4	23-1/4

- Cubic inch capacity is 18,753.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS 34" TOP CHEST - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453427-6RD	Red	34	27	25	235
J453427-6BK	Black	34	27	25	235
J453427-6BL	Blue	34	27	25	235
J453427-6YL	Yellow	34	27	25	235



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	28	1-3/4	23
2	Drawer	28	3	23
1	Compartment	27-3/4	5-1/4	23-1/4

- Cubic inch capacity is 11,662.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

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450HS 34" TOP CHEST - 5 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453427-5RD	Red	34	27	25	235
J453427-5BK	Black	34	27	25	235
J453427-5BL	Blue	34	27	25	235
J453427-5YL	Yellow	34	27	25	235



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	28	1-3/4	23
2	Drawer	28	4	23
1	Compartment	27-3/4	5-1/4	23-1/4

- Cubic inch capacity is 12,037.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS 34" TOP CHEST - 4 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J453427-4RD	Red	34	27	25	235
J453427-4BK	Black	34	27	25	235
J453427-4BL	Blue	34	27	25	235
J453427-4YL	Yellow	34	27	25	235



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	28	3	23
2	Drawer	28	4	23
1	Compartment	27-3/4	5-1/4	23-1/4

- Cubic inch capacity is 12,414.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS SIDE CABINET - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J451934-6RD-SC	Red	19-1/2	34	25	175
J451934-6BK-SC	Black	19-1/2	34	25	175
J451934-6BL-SC	Blue	19-1/2	34	25	175
J451934-6YL-SC	Yellow	19-1/2	34	25	175



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	13-7/16	1-3/4	23
2	Drawer	13-7/16	4	23
1	Drawer	13-7/16	11	23

- Cubic inch capacity is 7,554.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

450HS SIDE CABINET - 5 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight lbs.
J451934-5RD-SC	Red	19-1/2	34	25	175
J451934-5BK-SC	Black	19-1/2	34	25	175
J451934-5BL-SC	Blue	19-1/2	34	25	175
J451934-5YL-SC	Yellow	19-1/2	34	25	175

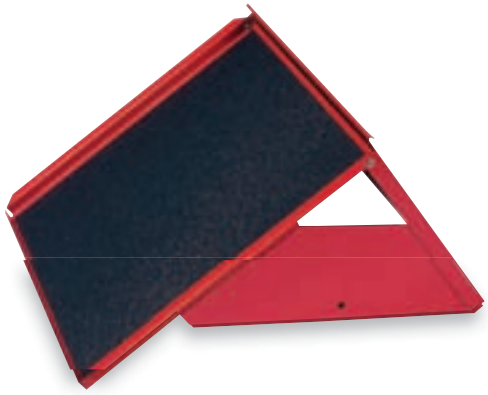


Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	13-7/16	1-3/4	23
3	Drawer	13-7/16	4	23
1	Drawer	13-7/16	11	23

- Cubic inch capacity is 7,734.
- Made of 14, 16 and 18 gauge steel.
- Maximum weight capacity for each drawer is 125 lbs.
- Standard red powder coat paint finish. Also available in black, blue and yellow, made to order. Contact customer service for availability.
- Heavy-duty locks with tubular key.
- Recessed aluminum extruded drawer pulls.
- 100% full extension drawers.
- Vinyl top and drawer liners included.

450HS SIDE SHELVES

Product #	Color	Size In.	Weight Lbs.
J45SS-RD	Red	25 x 14-1/2	11.5
J45SS-BK	Black	25 x 14-1/2	11.5
J45SS-BL	Blue	25 x 14-1/2	11.5
J45SS-YL	Yellow	25 x 14-1/2	11.5



- Use with 450 Series Workstations.
- Heavy gauge all welded steel construction.

450HS WORKTOPS

Product #	Description	Size In.	Weight Lbs.
J4550-HWT	50"	50-1/5 x 24-13/16	58.0
J4557-HWT	57"	56-7/8 x 24-13/16	60.0
J4566-HWT	66"	66-1/2 x 24-13/16	68.0



- Use with 450 Series Workstations.
- Hardwood construction.
- Rounded edges for a smooth finish.

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440SS 54" WORKSTATION - 14 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J445442-14RD	Red	54	42	18	345
J445442-14BK	Black	54	42	18	345



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	1-7/8	16-1/8
4	Drawer	23-1/4	3-15/16	16-1/8
4	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8
1	Drawer	23-1/4	1-1/16	16-1/8

- Cubic inch capacity is 22,248.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 41" WORKSTATION - 15 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J444142-15RD	Red	41	42	18	275
J444142-15BK	Black	41	42	18	275



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	37-3/4	3-15/16	16-1/8
4	Drawer	11-1/8	1-7/8	16-1/8
2	Drawer	11-1/8	3-15/16	16-1/8
1	Drawer	11-1/8	8-1/16	16-1/8
4	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 14,362.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 41" WORKSTATION - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J444142-6RD	Red	41	42	18	250
J444142-6BK	Black	41	42	18	250



Quantity	Type	Length In.	Height In.	Depth In.
5	Drawer	37-3/4	3-15/16	16-1/8
1	Drawer	37-3/4	8-1/16	16-1/8

- Cubic inch capacity is 15,588.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" ROLLER CABINET - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442742-12RD	Red	34	27	25	235
J442742-12BK	Black	34	27	25	235
J442742-12BL	Blue	34	27	25	235



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	11-1/8	3-15/16	16-1/8
4	Drawer	5	1-7/8	16-1/8
4	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 9,420.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

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440SS 27" ROLLER CABINET - 11 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442742-11RD	Red	27	42	18	205
J442742-11BK	Black	27	42	18	205



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	11-1/8	1-7/8	16-1/8
4	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 9,410.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" ROLLER CABINET - 8 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442742-8RD	Red	27	42	18	190
J442742-8BK	Black	27	42	18	190



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	11-1/8	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
2	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 9,829.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" ROLLER CABINET - 7 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442742-7RD	Red	27	42	18	180
J442742-7BK	Black	27	42	18	180



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	23-1/4	1-7/8	16-1/8
4	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 9,747.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" ROLLER CABINET - 7 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442735-7RD	Red	27	35	18	175
J442735-7BK	Black	27	35	18	175



Quantity	Type	Length In.	Height In.	Depth In.
5	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	8-1/16	16-1/8

- Cubic inch capacity is 7,449.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.



440SS 27" ROLLER CABINET - 4 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442742-4RD	Red	27	42	18	175
J442742-4BK	Black	27	42	18	175



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	23-1/4	3-15/16	16-1/8
1	Compartment	24	14	17

- Cubic inch capacity is 11,159.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" ROLLER CABINET - 3 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442735-3RD	Red	27	35	18	150
J442735-3BK	Black	27	35	18	150



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
1	Compartment	24	14	17

- Cubic inch capacity is 9,000.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS TOOL TOWER - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442752-6RD	Red	27	52	18	200
J442752-6BK	Black	27	52	18	200



Quantity	Type	Length In.	Height In.	Depth In.
1	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8
2	Drawer	23-1/4	8-1/16	16-1/8
1	Drawer	23-1/4	12-1/8	16-1/8

- Cubic inch capacity is 13,716.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- 4-Way channel bottom panel.
- 5" x 2" Polyurethane casters - 450 lbs./caster.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

BASIC UTILITY CART

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J441000-RD	Red	37-1/2	38-1/2	20-1/2	80.0



- Proto® Utility Carts have been developed to meet the increasing requirements that customers demand.
- Basic two-shelf system.
- Two 3" deep storage shelves.
- Reinforced corners for structural support.
- Heavy-duty, locking, 5" x 2" casters. Two swivel, two rigid.
- 800 lbs. total weight capacity.
- Red with black trim.
- Assembly required.

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440SS 54" TOP CHEST - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J445419-12RD	Red	54	23	18	220
J445419-12BK	Black	54	23	18	220



Quantity	Type	Length In.	Height In.	Depth In.
5	Drawer	23-1/4	1-7/8	16-1/8
5	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 11,803.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS 41" TOP CHEST - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J444119-12RD	Red	41	19	18	230
J444119-12BK	Black	41	19	18	230



Quantity	Type	Length In.	Height In.	Depth In.
5	Drawer	11-1/8	1-7/8	16-1/8
1	Drawer	11-1/8	3-15/16	16-1/8
5	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 8,749.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS 27" TOP CHEST WITH DROP FRONT - 12 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442719-12RD-D	Red	26-1/4	19	18	155
J442719-12BK-D	Black	26-1/4	19	18	155



Quantity	Type	Length In.	Height In.	Depth In.
6	Drawer	5	1-7/8	16-1/8
3	Drawer	11-1/8	1-7/8	16-1/8
2	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	3	3-15/16	16-1/8

- Cubic inch capacity is 5,678.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS 27" TOP CHEST WITH DROP FRONT - 10 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442719-10RD-D	Red	26-1/4	19	18	145
J442719-10BK-D	Black	26-1/4	19	18	145



Quantity	Type	Length In.	Height In.	Depth In.
6	Drawer	5	1-7/8	16-1/8
1	Drawer	11-1/8	6	16-1/8
2	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 5,593.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

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440SS 27" TOP CHEST WITH DROP FRONT - 4 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442715-4RD-D	Red	26-1/4	15	12	50
J442715-4BK-D	Black	26-1/4	15	12	50



Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	23-1/4	1-7/8	11-1/8
1	Drawer	23-1/4	3-15/16	11-1/8

- Cubic inch capacity is 3,202.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

440SS 27" TOP CHEST WITH DROP FRONT - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442715-6RD-D	Red	26-1/4	15	12	50
J442715-6BK-D	Black	26-1/4	15	12	50



Quantity	Type	Length In.	Height In.	Depth In.
2	Drawer	5	1-7/8	11-1/8
1	Drawer	11-1/8	1-7/8	11-1/8
2	Drawer	23-1/4	1-7/8	11-1/8
1	Drawer	23-1/4	3-15/16	11-1/8

- Cubic inch capacity is 5,850.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- Friction slides.
- Heavy-duty key.
- Drawer liners included.
- Smooth, sleek and durable paint finish.
- Heavy-duty easy grip handle.

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

440SS 27" TOP CHEST - 8 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442719-8RD	Red	26-1/4	19	18	140
J442719-8BK	Black	26-1/4	19	18	140



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	11-1/8	1-7/8	16-1/8
3	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 5,990.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS 27" TOP CHEST - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442719-6RD	Red	26-1/4	19	18	140
J442719-6BK	Black	26-1/4	19	18	140



Quantity	Type	Length In.	Height In.	Depth In.
5	Drawer	23-1/4	1-7/8	16-1/8
1	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 5,850.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

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440SS 27" TOP CHEST - 5 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442719-5RD	Red	26-1/4	23	18	130
J442719-5BK	Black	26-1/4	23	18	130

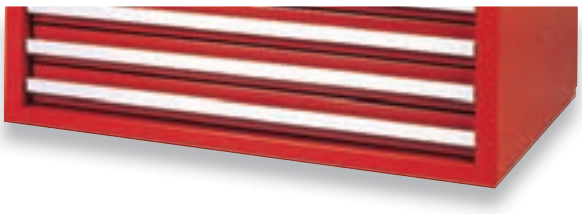


Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	23-1/4	1-7/8	16-1/8
2	Drawer	23-1/4	3-15/16	16-1/8

- Cubic inch capacity is 5,990.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS INTERMEDIATE CHEST - 4 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J442710-4RD-IC	Red	26-1/4	10	18	80
J442710-4BK-IC	Black	26-1/4	10	18	80



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	23-1/4	1-7/8	16-1/8

- Cubic inch capacity is 2,505.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS LOCKER CABINET - 4 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J441558-4RD-LK	Red	15	58	18	125
J441558-4BK-LK	Black	15	58	18	125



Quantity	Type	Length In.	Height In.	Depth In.
4	Drawer	11-1/8	3-15/16	16-1/8

- Cubic inch capacity is 13,090.
- Maximum weight capacity for each drawer is 100 lbs.
- 100% Full extension drawers.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Smooth, sleek and durable paint finish.

440SS SIDE CABINET - 9 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J441535-9RD-SC	Red	15	35	18	145
J441535-9BK-SC	Black	15	35	18	145



Quantity	Type	Length In.	Depth In.	Height In.
6	Drawer	11-1/8	16-1/8	1-7/8
2	Drawer	11-1/8	16-1/8	3-15/16
1	Drawer	11-1/8	16-1/8	8-1/16

- Cubic inch capacity is 4,516.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

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440SS SIDE CABINET - 6 DRAWER

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J441529-6RD-SC	Red	15	29	18	120
J441529-6BK-SC	Black	15	29	18	120

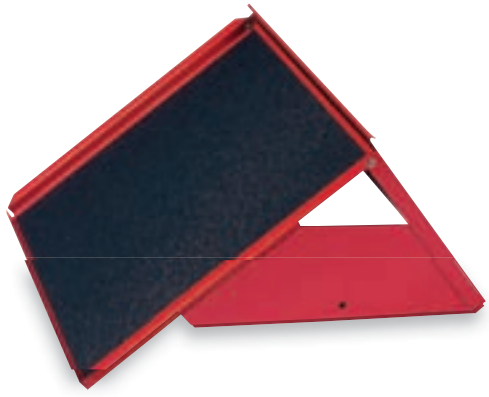


Quantity	Type	Length In.	Height In.	Depth In.
3	Drawer	11-1/8	1-7/8	16-1/8
2	Drawer	11-1/8	3-15/16	16-1/8
1	Drawer	11-1/8	8-1/16	16-1/8

- Cubic inch capacity is 3,620.
- Maximum weight capacity for each drawer is 100 lbs.
- Aluminum extruded drawer pulls.
- 100% Full extension drawers.
- Recessed drawer pulls.
- 100 lbs. Ball bearing slides.
- Heavy-duty key.
- Vinyl top and drawer liners included.
- Smooth, sleek and durable paint finish.

440SS SIDE SHELVES

Product #	Color	Size In.	Weight Lbs.
J44SS-RD	Red	15-1/8 x 15	8.0
J44SS-BK	Black	15-1/8 x 15	8.0



- Use with 440 Series Workstations.
- Heavy gauge all welded steel construction.

440SS WORKTOP

Product #	Description	Size In.	Weight Lbs.
J4427-HWT	27"	26-5/8 x 17-3/8	17.0



- Use with 27" 440 Series Roller Cabinets.
- Hardwood construction.
- Rounded edges for a smooth finish.

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VINYL MATS

Product #	Length In.	Depth In.	Weight Lbs.
J32532P	26-1/2	17-3/4	1.98
J32344P	33-3/16	17-3/4	2.56



- Vinyl mats protect cabinet and accessory tops.
- Provides a skid-resistant, easy to clean workspace.

DRAWER LINER

Product #	Weight Lbs.
J9910	0.24



- Polyethylene foam drawer liners.
- Keep drawers protected.
- Cut to fit any drawer.
- 1 roll: 24" x 60" (1,440 square inches).

GENERAL PURPOSE TOOL BOX WITH 3 DRAWERS

Product #	Color	Capacity Cubic In.	Length In.	Height In.	Depth In.	Weight Lbs.
J9993-NA	Red	2075	20-3/16	11-3/4	8-3/4	25



Quantity	Type	Length In.	Depth In.	Height In.
1	Compartment	20	8-1/2	2-1/4
3	Drawer	18	7-1/4	1-1/2

GENERAL PURPOSE BOX WITH TRAY

Product #	Color	Capacity Cubic In.	Length In.	Height In.	Depth In.	Weight Lbs.
J9954-NA	Red	546	14	6-1/2	6	5.0
J9977-NA	Red	931	19-1/2	7	8	8.0
J9975-NA	Red	1,615	20	9-1/2	8-1/2	14.0
J9969-NA	Red	2,133	26	9-1/2	8-1/2	19.0



- Removable steel tote tray.
- Heavy-duty side handles.
- Double latch for strength.
- Padlockable center hasp for security.

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HIP ROOF BOX WITH TRAY

Product #	Color	Capacity Cubic In.	Length In.	Height In.	Depth In.	Weight Lbs.
J9971-NA	Red	931	19	7	7	8.0



- Removable steel tote tray.
- Double latch for strength.
- Hip roof lid design.

CARPENTER'S BOX

Product #	Color	Capacity Cubic In.	Length In.	Depth In.	Height In.	Weight Lbs.
J9979-NA	Brown	2,584	32	8-1/2	9-1/2	24.0



- Removable steel tote tray.
- Extra wide for large tools.
- Double latch for strength.
- Padlockable center hasp for security.
- Heavy-duty side handles.

CANTILEVER BOX

Product #	Color	Capacity Cubic In.	Length In.	Height In.	Depth In.	Weight Lbs.
J9951	Black	2,520	18	14	10	20.0



- 4 trays - 2 with covers.
- Trays swing out for easy tool access

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

STRUCTURAL FOAM BOX

Product #	Color	Capacity Cubic In.	Length In.	Height In.	Depth In.	Weight Lbs.
J9901	Brown	1,502	20	10-1/2	8-3/4	8.0
J9902	Black	2,037	26	10-1/2	8-3/4	10.5



- Will not dent or chip.
- Rust-resistant.
- Structural foam construction.
- Removable tote tray.

HEAVY-DUTY SET BOXES

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J5894	Red	31-13/16	3-9/16	10-7/16	13.0
J5896	Red	35-3/8	5-1/2	15-3/16	33.0
J5694	Red	20-1/4	6-1/2	3-3/8	11.0
J5695	Red	20-1/8	7-15/16	3-3/8	13.0
J5696	Red	25-3/16	9-1/16	4-1/16	18.0
J5697	Red	26-3/4	14-1/2	4	24.0



- Padlockable center hasp for security.
- Side handles.

SET BOXES

Product #	Color	Length In.	Height In.	Depth In.	Weight Lbs.
J4795	Red	7	1-1/4	3-7/16	0.75
J4797	Red	10-15/16	1-1/4	3-11/16	1.17
J5298	Red	17-5/16	1-7/8	5-5/16	2.60
J5299	Red	10-3/8	1-5/8	4-7/16	1.36
J5496-NA	Red	19	3-7/8	6-1/4	4.00
J5497	Red	23	2-3/16	8	5.20



- These set boxes are used to store Socket Sets in your Tool Box or Utility Cart.
- They also make it convenient and easy to transport a full set of sockets to the job..

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PROFESSIONAL EXTRA HEAVY-DUTY LEATHER REINFORCED TOOL BAGS

Product #	Length In.	Depth In.	Weight Lbs.
J95322	24	8	4.25
J95327	27	17	4.94



- Rugged No. 8 white canvas reinforced with top grain leather bottom.
- One-piece construction riveted to 12 gauge steel hinged frame.
- Riveted reinforced leather handles and retaining straps.
- Water-resistant fiber board bottom.
- 9" x 11" reinforced inside pocket.
- 6 metal studs to protect outside bottom wear.

PROFESSIONAL EXTRA HEAVY-DUTY REINFORCED TOOL BAGS WITH VINYL BOTTOM

Product #	Length In.	Depth In.	Weight Lbs.
J95311	18	9	2.73
J95316	20	10-1/4	3.24



- Rugged No. 8 white canvas reinforced with tough vinyl bottom.
- One-piece construction riveted to 12 gauge steel hinged frame.
- Riveted reinforced leather handles and retaining straps.
- Water-resistant fiber board bottom.
- 6 metal studs to protect outside bottom wear.

ALL-PURPOSE CANVAS ZIPPER BAGS

Product #	Size in.	Weight Lbs.
J95305	12 x 7	0.21
J95306	8-1/2 x 7	0.28



- One piece construction of No. 8 canvas.
- Heavy-duty zipper.
- Ideal for storing pliers, wrenches, screwdrivers and other small tools and instruments.
- 2 convenient sizes.

STRAIGHT WALL UTILITY BUCKET

Product #	Diameter In.	Height In.	Weight Lbs.
J95336	12	14	1.64



- Rugged No. 4 white canvas.
- Polypropylene rope handles reinforced at top ring.
- 8" x 7" inside pocket.
- Heavy-duty die cast swivel snap hook.

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CANVAS TOOL POUCH

Product #	Number of Pockets	Length In.	Thickness In.	Weight Lbs.	
J25TR01C	7	12	3/16	0.15	
J25TR02C	12	7-1/2	3/32	0.15	
J25TR03C	7	10-29/32	3/16	0.13	
J25TR04C	5	14-11/16	3/32	0.18	
J25TR05C	10	14-3/16	3/16	0.29	
J25TR06C	5	12	3/32	0.10	
J25TR07C	7	11	3/32	0.12	
J25TR08C	14	15	3/16	0.36	
J25TR09C	9	9-3/32	3/32	0.12	
J25TR10C	13	12	3/32	0.09	
J25TR11C	1	7	3/32	0.04	
J25TR12C	8	7-1/2	3/32	0.05	
J25TR13C	11	10-5/16	3/16	0.16	
J25TR15C	5	8-13/16	3/32	0.08	
J25TR16C	8	12-1/2	3/32	0.14	
J25TR17C	3	10	3/32	0.07	
J25TR18C	4	7-1/2	3/16	0.10	
J25TR19C	6	12-5/16	3/16	0.18	
J25TR20C	10	11-11/16	13/32	0.45	
J25TR21C	26	16-1/2	3/16	0.47	
J25TR22C	3	10	3/16	0.20	
J25TR23C	7	9	3/16	0.12	
J25TR24C	7	9-1/2	5/16	0.12	
J25TR25C	6	8-11/16	3/16	0.09	
J25TR26C	9	9-1/2	3/32	0.06	
J25TR27C	8	9-1/2	1/2	0.31	
J25TR28C	10	13-5/16	3/16	0.22	
J25TR29C	7	11-11/16	3/32	0.15	
J25TR30C	5	12	3/32	0.08	
J25TR31C	7	8	3/32	0.08	
J25TR32C	7	12-29/32	3/16	0.23	
J25TR33C	7	11-11/16	3/32	0.17	
J25TR34C	15	15	5/16	0.58	
J25TR35C	9	12-29/32	1/32	0.17	
J25TR36C	17	11	1/2	0.47	
J25TR37C	7	11-1/2	3/16	0.17	
J25TR38C	9	13-3/4	3/16	0.17	
J25TR39C	10	15-5/16	5/16	0.29	
J25TR40C	14	13	5/16	0.30	
J25TR41C	15	12	13/32	0.57	
J25TR42C	18	13	13/32	0.51	
J25TR43C	7	12-29/32	3/32	0.18	
J25TR44C	11	13	5/16	0.41	
J25TR45C	8	9-1/2	2	0.40	
J25TR49C	5	7	1-1/2	0.20	
J25TR50C	1	6-1/3	3/16	0.20	
J25TR52C	5	10	3/16	0.20	
J25TR53C	3	10-1/4	3/16	0.20	
J25TR54C	3	15-1/2	3/16	0.30	



- Red canvas.
- Stitched and reinforced edges for strength.
- Reinforced pockets.
- Tie strap closure.

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11-POCKET PROFESSIONAL CONSTRUCTION POUCH

Product #	Weight Lbs.
J95120	1.80



- 2 extra capacity deep flared main pockets.
- 2 outer pockets.
- 6 small utility pockets.
- 2 extra thick hammer or hatchet loops.
- Heavy-duty, top grain moccasin leather.
- 1 25"/30" tape ruler holder.
- 2-1/2" wide polypropylene web belt adjusts to fit waists up to 50".

2-POCKET WAIST APRON

Product #	Weight Lbs.
J95350	0.28



- Heavy-duty 10 oz. white canvas.
- Triple stitched bindings and waist ties.

14-POCKET LEATHER EXTRA CAPACITY ELECTRICIAN'S TOOL POUCH

Product #	Weight Lbs.
J95030	1.43



- 10" x 10"
- 4 Large gusseted utility pockets and 2 preformed plier pockets.
- 4 Screwdriver slots, 12" tape rule holder, secured T-type tape holder with swivel rivet.
- 2-3/4" Belt slots.
- Additional features: Sectioned pocket for torpedo level, multi-purpose tool snap, scratch awl pocket and pencil holders.
- Heavy-duty, top grain leather.

LEATHER HAMMER HOLSTER

Product #	Weight Lbs.
J95151	0.22



- Heavy-duty top grain saddle leather.
- Double rivet reinforced.
- Rust-resistant steel cradle.
- 2-1/2" belt slots.

LEATHER UTILITY KNIFE HOLDER

Product #	Weight Lbs.
J95165	0.17



- Open end "V" shape design.
- Heavy-duty top grain saddle leather.

2-POCKET LEATHER CABLE SPLICER HOLDER

Product #	Weight Lbs.
J95170	0.17



- Heavy-duty top grain saddle leather.
- 2 flared pockets for cable splicer, knife and scissors.
- 2-1/2" belt slots.

LEATHER FOLDING KNIFE BLADE SHEATH

Product #	Weight Lbs.
J95218	0.12



- Preformed top grain leather holds knife securely.
- Heavy-duty stitching and safety snap.

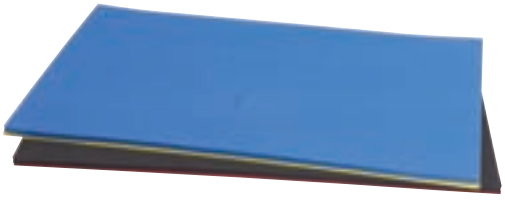
SAFETY TIPS

Always store a fixed-blade utility knife in a holster.



DO-IT-YOURSELF KITS

Product #	Color	Kit Contains	Foam Size In.
DIYBK	Black/Red	Two layers of foam, instructions and low tac tracing paper	26-1/4 x 39 1/2 top layer 1/4 base layer
DIYBL	Blue/Yellow	Two layers of foam, instructions and low tac tracing paper	26-1/4 x 39 1/2 top layer 1/4 base layer



- Proto® Industrial Tools Do-It-Yourself Kits allow you to make your FOD Kit in-house.
- Resistant to most any chemicals, such as diesel fuel, jet fuel, cutting coolants and Skydrol®.
- Moisture resistant.
- Tear resistant.
- Non-abrasive.
- Do-It-Yourself Kits can be cut easily with a Stanley® Hobby (10-401) or Utility Knife (10-778).

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



LEATHER FLASHLIGHT HOLDER

- Top grain saddle leather.
- Will accept standard “D” size flashlights.

Product #	Weight Lbs.
J95260	0.11



LEATHER TOOL HOLDER

- Heavy-duty, top grain saddle leather.
- Preformed 4" deep pocket for secure snug fit.
- Convenient for slip joint, diagonal and up to 7" side cutting pliers, or our Infrared Temperature Readers.
- 2-1/2" belt slots.
- 2-3/4" x 8"

Product #	Weight Lbs.
J95160	0.18



LEATHER TAPE HOLDER

- This Leather Tape Rule Holder fits 25' & 30' Tapes
- Heavy-duty top grain saddle leather
- Preformed pockets with easy "Push up" design
- Safety snap positioned to allow tape rules with belt clips
- Contoured to permit use of tape blade lock
- 2-3/4" Belt slots

Product #	Weight Lbs.
J95140	0.20



ADJUSTABLE WEB BELTS

- Polypropylene.
- Fits waists up to 50 inches.

Product #	Size In.	Weight Lbs.
J95230	up to 50	0.40



LEATHERWORK BELT

- Heavy-duty top grain saddle leather.
- Extra strong double tongue roller buckle.
- Attractive embossed basket weave design.

Product #	Size In.	Weight Lbs.
J95237	40 - 48	0.52
J95238	46 - 52	0.65



FACOM® SAFETY GLOVES

Product #	Size In.	Length In.	Weight Lbs.
FT-BC.109VSE	9	11-13/16	0.36
FT-BC.110VSE	10	12-19/32	0.43



- Silicon leather to help provide mechanical protection.
- Worn over latex insulating gloves.

SOCKET BAR SETS - 1/4" THRU 3/4"

Product #	Drive Size In.	No. of Clips	Length In.	Weight Lbs.
J2570	1/4	10	9	0.15
J2571	1/4	16	17	0.23
J2572	3/8	10	9	0.19
J2573	3/8	16	17	0.24
J2575	1/2	16	17	0.28
J2576	3/4	5	9	0.19
J2577	3/4	8	17	0.30

- Heavy gauge all welded steel construction.



SOCKET BARS

Product #	Length In.	Weight Lbs.
J2584	6-1/4	0.06
J2585	9	0.08
J2588	11	0.10
J2586	13	0.11
J2587	17	0.15

- All clips fit all bars.



SOCKET CLIPS

Product #	Drive Size In.	Weight Lbs.
J2590	1/4	0.01
J2591	3/8	0.01
J2592	1/2	0.01
J2594	3/4	0.01

- All clips fit all bars.



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

WHEN SOMETHING IS MISSING YOU NEED TO KNOW

In areas that require FOD (Foreign Object Debris) prevention, nothing less than 100% tool control is acceptable. In many industries, positive tool control is absolutely necessary, not only because of the replacement cost, but also because of the tremendous risk involved when a tool goes missing.

Tool control has never been easier with Proto® Industrial Tools. Need to follow 5S or lean principles?











CUSTOM TOOL KITTING

Working in a FOD envinroment? Proto®, through our KitMaster™ program,

can build custom toolkits with:

- Foam inserts, shaped by CNC routers, for a tight, reliable fit in three dimensions.
- Laser etching for easy identification down to the tool, if needed.
- CAD driven tool organization for any manner of cabinet, chest, box, bag or briefcase.
- Kits can be built from the full product lines of Proto®, Blackhawk™ by Proto®, DEWALT®, Stanley®, Bostitch® and even third-party tools.

For the best levels of control and tracking, upgrade to CribMaster® RFID software for tool crib

environments and software-controlled drawers and cabinets.

KitMaster™
Industrial Kitting Solutions

SOLUTIONS BY:

StanleyBlack&Decker

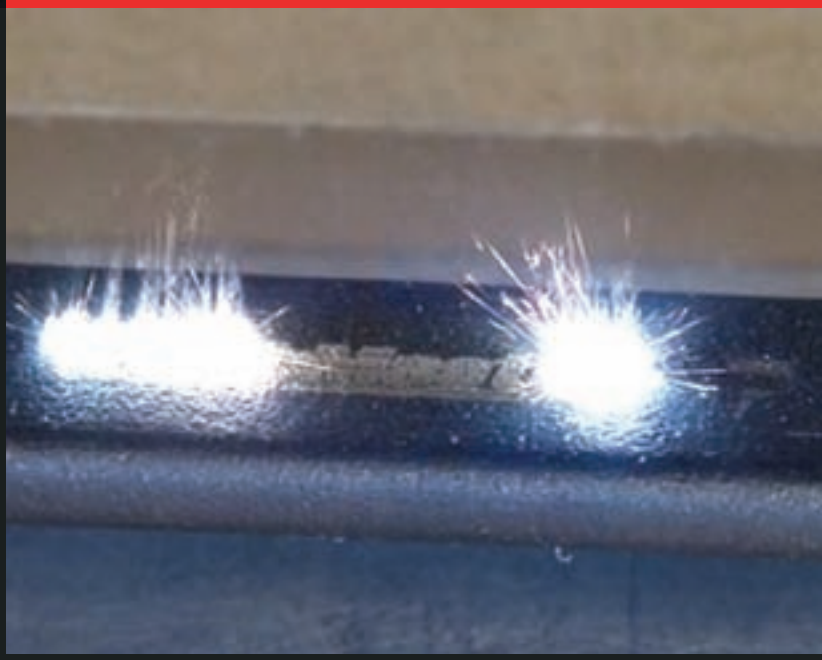
CribMaster®
Inventory Management System

PROTO



CUSTOM FOAM

Our cross-linked polyethylene foam is thermally bonded to resist tears, stains and most chemicals. Moisture-resistant, tear-resistant and certified fire resistance, our foam comes in four standard colors or mixed to match a custom color.



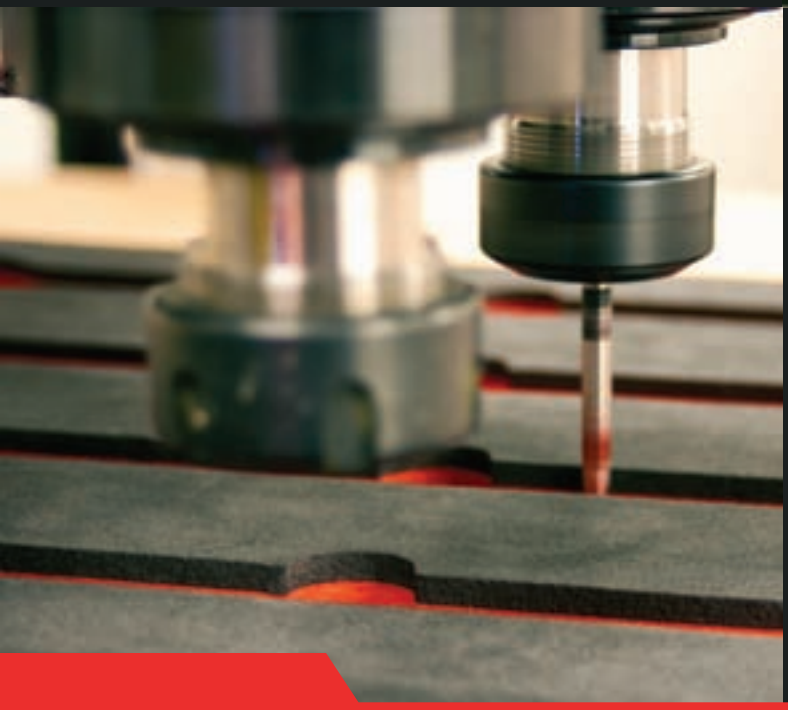
LASER ETCHING

Custom laser etching prevents theft, speeds packing and sorting, and identifies the source of missing pieces quickly. Our lasers ensure clear, clean markings - letters, numbers, logos - while maintaining the integrity of the tool.

ALL KINDS OF STORAGE

Bag it, box it, stow it or shelve it. We meet exact company and industry specifications, such as GMTKs, CTKs, Tri-Cons, and Quad-Cons for military and aerospace use. We also meet TAA and BAA certification standards.





CUSTOM SHAPED INSERTS

Each tool insert is custom-shaped in three dimensions by routers. The state-of-the-art foam resists most chemicals and is non-abrasive.

RFID UPGRADE OPTIONS

For tool audit and accountability, upgrade to CribMaster® inventory management software with Last Point Read (LPR) devices to monitor tool movement and FOD finder scanners.





PROTO

WE'VE BEEN ON THE JOB 102 YEARS.
WE BEST BE ABLE TO PUT A SET OF TOOLS TOGETHER.

Proto®'s been on factory floors, in rail yards, at aircraft plants, and down in the mines. We've worked in manufacturing, maintenance, plumbing, electrical and electronics. Through it all, we've paid attention to what our customers need and want in trade-specific master sets. That collective knowledge goes into every set we offer. Beyond that, each set comes in Starter, Intermediate and Advanced versions, right on up to the 1,258-piece Master Technician Maintenance set. When it comes to getting the perfect set of tools for your trade, we've taken the guesswork out. And nothing else.

MASTER SETS

Advanced Sets 62-139

Modular Sets 140-153

Intermediate Sets 154-181

Starter Sets 182-202

Specialty Sets 203-212

- Aviation Sets 213-222
- Railroad Sets 223-234
- HVAC Sets 235-238
- Plumbing Sets 239
- Contractor's Sets 240
- Electrician's Sets 241-245
- Sub Sets 246-255

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1258 PC MASTER TECHNICIAN MAINTENANCE SET

Product #: JCS-1258MAS

- 1258 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 26 mm.
- Tools only.
- Contains: 664 Sockets and Accessories, 241 Wrenches, 51 Striking and Struck Tools, 39 Pliers, 91 Screwdrivers, 172 Miscellaneous Tools
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4,
- JCS-MAS-5, JCS-MAS-6, JCS-MAS-7.
- Weight: 614.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J77270P	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J74470P	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2142	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J2146	Bar, Pry Aligning 28"
J61906	Bit, 38 PC Insert Set
J60002	Bit, Insert #1 Phillips® 1/4" Hex
J60008	Bit, Insert #2 Phillips® 1/4" Hex
J60020	Bit, Insert #3 Phillips® 1/4" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60202	Bit, Insert 3/16" Slotted 1/4" Hex
J60208	Bit, Insert 9/32" Slotted 1/4" Hex
J60256	Bit, Insert 10F-12R Slot 5/16" Hex
J60262	Bit, Insert 14F-16R Slot 5/16" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J9969-NA	Box, General Purpose with Tray
J406	C-Clamp 0-6
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J7099	Driver, Hand Impact 3/8" DR
J4759	Extension, 1/4" DR 2"
J4759L	Extension, Locking 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J4761L	Extension, Locking 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5260-06L	Extension, Locking 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5262L	Extension, Locking 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5461L	Extension, Locking 1/2" DR 5"
J5463L	Extension, Locking 1/2" DR 10"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J7180P	Extension, Impact 1/2" DR 2"
J7181P	Extension, Impact 1/2" DR 5"
J4759W	Extension, Wobble 1/4" DR 2"
J4760W	Extension, Wobble 1/4" DR 3"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5261W	Extension, Wobble 3/8" DR 8"
J5460W	Extension, Wobble 1/2" DR 2"
J5461W	Extension, Wobble 1/2" DR 5"
J5463W	Extension, Wobble 1/2" DR 10"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J000D	Feeler Gauge, 10 Blade Ignition Set
J000AA	Feeler Gauge, 25 Blade Master Set
J2302	File, Ignition PT
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
57-531	Hammer, Compo-Cast® Mallet 18 oz.
57-541	Hammer, Compo-Cast® Soft-Face 14 oz.
57-543	Hammer, Compo-Cast® Soft-Face 21 oz.
JSF250	Hammer, Soft Face without Tips
JSF150	Hammer, Soft Face without Tip 1 lb
JSF15XH	Hammer, Tip 1-1/2" Extra Hard
JSF15H	Hammer, Tip 1-1/2" Hard
JSF15M	Hammer, Tip 1-1/2" Medium
JSF15MH	Hammer, Tip 1-1/2" Medium H
JSF15S	Hammer, Tip 1-1/2" Soft
JSF15SS	Hammer, Tip 1-1/2" Super Soft
JSF15T	Hammer, Tip 1-1/2" Tough
JSF25XH	Hammer, Tip 2-1/2" Extra Hard
JSF25H	Hammer, Tip 2-1/2" Hard
JSF25M	Hammer, Tip 2-1/2" Medium
JSF25MH	Hammer, Tip 2-1/2" Medium Hard
JSF25T	Hammer, Tip 2-1/2" Tough

Contents	Description
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J4780G	Handle, Speed 1/4 DR
J5280G	Handle, Speed 3/8 DR
J5480G	Handle, Speed 1/2 DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J4969	Hex Key, 6 PC Metric T-Handle Set
J4968	Hex Key, 11 PC Standard T-Handle Set
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-189C	Knife, Self-Retracting Utility
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
42-465	Level, Aluminum Torpedo Level (Mag)
J1368	Mallet, Rubber
J2371	Mirror, Inspect Oval 1 x 2
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J9204M	Nut Driver, 4 mm
J92055M	Nut Driver, 5.5 mm
J9205M	Nut Driver, 5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J9211M	Nut Driver, 11 mm
J9213M	Nut Driver, 13 mm
J9214M	Nut Driver, 14 mm
82-115	Pick and Hook, 4 PC Set
J2806SMP	Pliers, 6 PC Mini Set
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J235	Pliers, Ignition with Grip 4-1/16"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"

(CONTINUED ON NEXT PAGE)

1258 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1258MAS

Contents	Description
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360A	Pliers, 6 PC Retaining Ring Set
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J4209JB	Puller, 6 Ton Jaw Block
J4210RJ	Puller, 6 Ton Jaw Reversible
J4229JB	Puller, 10 Ton Jaw Block
J4280B	Puller, Blind Bearing Coll
J4280S	Puller, Blind Bearing Screw
J4005C	Puller, Cap Screw
J4028	Puller, Cap Screw
J2306	Puller, Cotter Pin Tool
J4226CA	Puller, Crossarm 2 Way
J4227CA	Puller, Crossarm 3 Way
J4208CA	Puller, Crossarm 6 Ton 2 Way
J4260R	Puller, Handle T-Rod Acme
J4026A	Puller, Jaw 6 Ton
J4027	Puller, Jaw 6 Ton Narrow
J4018	Puller, Jaw 10 Ton Cap Screw
J4016A	Puller, Jaw 10 Ton Dual-Reach
J4017	Puller, Jaw 10 Ton Narrow
J4230RJ	Puller, Jaw 10 Ton Reversible
J4209LS	Puller, Jaw Block Lock Screw
J4229LS	Puller, Jaw Block Lock Screw
J4056-2	Puller, Jaw Inside 2 Reach
J4256S	Puller, Jaw Inside Hook
J4056-4	Puller, Jaw Reversible 4 R
J4056-6	Puller, Jaw Reversible 6 R
J4250N	Puller, Nut Adjustable Reversible
J4331N	Puller, Nut Hex
J4333N	Puller, Nut Hex
J4056PN	Puller, Pin Pivot
J4277B	Puller, Rear Axle Flange F
J4275R	Puller, Rod Slide Acme Threader
J4333AR	Puller, Rod Threader 3/4"-1"
J4333AR	Puller, Rod Threader 3/4"-1"
J4205E	Puller, Screw Cap
J4331R	Puller, Screw Cap
J4205S	Puller, Screw Forcing Acme
J4225S	Puller, Screw Forcing Acme
J4331P	Puller, Separator Plate
J4333P	Puller, Separator Plate
J4260H	Puller, Slide Hammer 2-1/2"
J4055H	Puller, Slide Hammer 5 lbs.
J4205B	Puller, Slotted Cross Arm
J4206SC	Puller, Slotted Cross Arm
J4011S	Puller, Spring Clip
J4021S	Puller, Spring Clip
J4040-1	Puller, Step Plate 3/4"
J4040-2	Puller, Step Plate 7/8"

Contents	Description
J4040-3	Puller, Step Plate 1"
J4040-4	Puller, Step Plate 1-1/8"
J4040-5	Puller, Step Plate 1-1/4"
J4040-6	Puller, Step Plate 1-3/8"
J4040-7	Puller, Step Plate 1-1/2"
J4040-8	Puller, Step Plate 1-5/8"
J4040-9	Puller, Step Plate 1-3/4"
J4040-10	Puller, Step Plate 1-7/8"
J4040-11	Puller, Step Plate 2"
J4040-12	Puller, Step Plate 2-1/8"
J4040-13	Puller, Step Plate 2-1/4"
J4040-14	Puller, Step Plate 2-3/8"
J4012T	Puller, Tip Detachable
J4022T	Puller, Tip Detachable Standard
J4250B	Puller, Yoke 2 Way Acme Th
J4255B	Puller, Yoke 3 Way Jaw ACM
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5250XL	Ratchet, 3/8" DR Long Handle Pear Head
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head
J5450XL	Ratchet, 1/2" DR Long Handle Pear Head
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head
J5649	Ratchet, 3/4" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-540	Scraper, Flexible 1-1/4" Wood Handle
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J2338	Scrapers, Gasket and Carbon
66-039	Screwdriver, 6 PC Stanley® Jewelers Precision Set
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J9300MS	Screwdriver, Magnetic Bit Holder
J9320	Screwdriver, Magnetic Ratchet Set
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
66-101	Screwdriver, Stanley® 100 Plus® Standard Slotted Tip Pocket 1/8" x 2"
J88510	Screwdriver, Torx® T10
J88515	Screwdriver, Torx® T15
J88520	Screwdriver, Torx® T20
J88525	Screwdriver, Torx® T25
J88527	Screwdriver, Torx® T27
J88530	Screwdriver, Torx® T30
J88540	Screwdriver, Torx® T40
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J303L	Snips, Aviation Left
J303R	Snips, Aviation Right
J303S	Snips, Aviation Straight
J334	Snips, Combination 14"
J307	Snips, Duckbill 7"
J308	Snips, Miniature
J322	Snips, Straight 12-3/4"
J4705	Socket, 1/4" DR 5/32" 6 PT
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep

Contents	Description
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep
J5206H	Socket, 3/8" DR 3/16" 6 PT
J5208H	Socket, 3/8" DR 1/4" 6 PT
J5210H	Socket, 3/8" DR 5/16" 6 PT
J5212H	Socket, 3/8" DR 3/8" 6 PT
J5214H	Socket, 3/8" DR 7/16" 6 PT
J5216H	Socket, 3/8" DR 1/2" 6 PT
J5218H	Socket, 3/8" DR 9/16" 6 PT
J5220H	Socket, 3/8" DR 5/8" 6 PT
J5222H	Socket, 3/8" DR 11/16" 6 PT
J5224H	Socket, 3/8" DR 3/4" 6 PT
J5226H	Socket, 3/8" DR 13/16" 6 PT
J5228H	Socket, 3/8" DR 7/8" 6 PT
J5230H	Socket, 3/8" DR 15/16" 6 PT
J5232H	Socket, 3/8" DR 1" 6 PT
J5221MH	Socket, 3/8" DR 21 mm 6 PT
J5222MH	Socket, 3/8" DR 22 mm 6 PT
J5223MH	Socket, 3/8" DR 23 mm 6 PT
J5224MH	Socket, 3/8" DR 24 mm 6 PT
J5225MH	Socket, 3/8" DR 25 mm 6 PT
J5226MH	Socket, 3/8" DR 26 mm 6 PT
J5008H	Socket, 3/8" DR 1/4" 6 PT Deep
J5010H	Socket, 3/8" DR 5/16" 6 PT Deep
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep

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Phillips® is a trademark of Phillips Screw Company
Torx® is a trademark of Acument Intellectual Properties, LLC

1258 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1258MAS

Contents	Description
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep
J5030H	Socket, 3/8" DR 15/16" 6 PT Deep
J5032H	Socket, 3/8" DR 1" 6 PT Deep
J5206HS	Socket, 3/8" DR 3/16" 6 PT Super Short
J5208HS	Socket, 3/8" DR 1/4" 6 PT Super Short
J5210HS	Socket, 3/8" DR 5/16" 6 PT Super Short
J5212HS	Socket, 3/8" DR 3/8" 6 PT Super Short
J5214HS	Socket, 3/8" DR 7/16" 6 PT Super Short
J5216HS	Socket, 3/8" DR 1/2" 6 PT Super Short
J5218HS	Socket, 3/8" DR 9/16" 6 PT Super Short
J5220HS	Socket, 3/8" DR 5/8" 6 PT Super Short
J5222HS	Socket, 3/8" DR 11/16" 6 PT Super Short
J5224HS	Socket, 3/8" DR 3/4" 6 PT Super Short
J5209MHS	Socket, 3/8" DR 9 mm 6 PT Super Short
J5210MHS	Socket, 3/8" DR 10 mm 6 PT Super Short
J5211MHS	Socket, 3/8" DR 11 mm 6 PT Super Short
J5212MHS	Socket, 3/8" DR 12 mm 6 PT Super Short
J5213MHS	Socket, 3/8" DR 13 mm 6 PT Super Short
J5214MHS	Socket, 3/8" DR 14 mm 6 PT Super Short
J5215MHS	Socket, 3/8" DR 15 mm 6 PT Super Short
J5216MHS	Socket, 3/8" DR 16 mm 6 PT Super Short
J5217MHS	Socket, 3/8" DR 17 mm 6 PT Super Short
J5218MHS	Socket, 3/8" DR 18 mm 6 PT Super Short
J5219MHS	Socket, 3/8" DR 19 mm 6 PT Super Short
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT

Contents	Description
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5221M	Socket, 3/8" DR 21 mm 12 PT
J5222M	Socket, 3/8" DR 22 mm 12 PT
J5223M	Socket, 3/8" DR 23 mm 12 PT
J5224M	Socket, 3/8" DR 24 mm 12 PT
J5225M	Socket, 3/8" DR 25 mm 12 PT
J5226M	Socket, 3/8" DR 26 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5021M	Socket, 3/8" DR 21 mm 12 PT Deep
J5022M	Socket, 3/8" DR 22 mm 12 PT Deep
J5023M	Socket, 3/8" DR 23 mm 12 PT Deep
J5412H	Socket, 1/2" DR 3/8" 6 PT
J5414H	Socket, 1/2" DR 7/16" 6 PT
J5416H	Socket, 1/2" DR 1/2" 6 PT
J5418H	Socket, 1/2" DR 9/16" 6 PT
J5420H	Socket, 1/2" DR 5/8" 6 PT
J5422H	Socket, 1/2" DR 11/16" 6 PT
J5424H	Socket, 1/2" DR 3/4" 6 PT
J5426H	Socket, 1/2" DR 13/16" 6 PT
J5428H	Socket, 1/2" DR 7/8" 6 PT
J5430H	Socket, 1/2" DR 15/16" 6 PT
J5432H	Socket, 1/2" DR 1" 6 PT
J5434H	Socket, 1/2" DR 1-1/16" 6 PT
J5436H	Socket, 1/2" DR 1-1/8" 6 PT
J5438H	Socket, 1/2" DR 1-3/16" 6 PT
J5440H	Socket, 1/2" DR 1-1/4" 6 PT
J5312H	Socket, 1/2" DR 3/8" 6 PT Deep
J5314H	Socket, 1/2" DR 7/16" 6 PT Deep
J5316H	Socket, 1/2" DR 1/2" 6 PT Deep

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5318H	Socket, 1/2" DR 9/16" 6 PT Deep
J5320H	Socket, 1/2" DR 5/8" 6 PT Deep
J5322H	Socket, 1/2" DR 11/16" 6 PT Deep
J5324H	Socket, 1/2" DR 3/4" 6 PT Deep
J5326H	Socket, 1/2" DR 13/16" 6 PT Deep
J5328H	Socket, 1/2" DR 7/8" 6 PT Deep
J5330H	Socket, 1/2" DR 15/16" 6 PT Deep
J5332H	Socket, 1/2" DR 1" 6 PT Deep
J5334H	Socket, 1/2" DR 1-1/16" 6 PT Deep
J5336H	Socket, 1/2" DR 1-1/8" 6 PT Deep
J5338H	Socket, 1/2" DR 1-3/16" 6 PT Deep
J5340H	Socket, 1/2" DR 1-1/4" 6 PT Deep
J5342H	Socket, 1/2" DR 1-5/16" 6 PT Deep
J5344H	Socket, 1/2" DR 1-3/8" 6 PT Deep
J5346H	Socket, 1/2" DR 1-7/16" 6 PT Deep
J5348H	Socket, 1/2" DR 1-1/2" 6 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT

Contents	Description
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5475A	Socket, 1/2" DR 1/2" Universal 12 PT
J5476A	Socket, 1/2" DR 9/16" Universal 12 PT
J5477A	Socket, 1/2" DR 5/8" Universal 12 PT
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT

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1258 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1258MAS

Contents	Description
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J4739-10W	Socket, Bit 1/4" DR T10 Torx®
J4739-15W	Socket, Bit 1/4" DR T15 Torx®
J4739-20W	Socket, Bit 1/4" DR T20 Torx®
J4739-25W	Socket, Bit 1/4" DR T25 Torx®
J4739-27W	Socket, Bit 1/4" DR T27 Torx®
J4739-30W	Socket, Bit 1/4" DR T30 Torx®
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J5246	Socket, Bit 3/8" DR Slotted
J5239-15W	Socket, Bit 3/8" DR T15 Torx®
J5239-20W	Socket, Bit 3/8" DR T20 Torx®
J5239-25W	Socket, Bit 3/8" DR T25 Torx®
J5239-27W	Socket, Bit 3/8" DR T27 Torx®
J5239-30W	Socket, Bit 3/8" DR T30 Torx®
J5239-40W	Socket, Bit 3/8" DR T40 Torx®
J5239-45W	Socket, Bit 3/8" DR T45 Torx®
J5239-50W	Socket, Bit 3/8" DR T50 Torx®
J69X09	Socket, Extractor 1/4" DR 7 mm
J69X10	Socket, Extractor 1/4" DR 8 mm
J69X11	Socket, Extractor 1/4" DR 9 mm
J69X13	Socket, Extractor 1/4" DR 10 mm
J69X14	Socket, Extractor 1/4" DR 11 mm
J69X15	Socket, Extractor 1/4" DR 12 mm
J69X16	Socket, Extractor 1/4" DR 13 mm
J69X18	Socket, Extractor 1/4" DR 14 mm
J69X20	Socket, Extractor 1/4" DR 15 mm
J69X12	Socket, Extractor 3/8"
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"

Contents	Description
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J54411/4XL	Socket, Hex Bit 1/2" DR 1/4" X-Long
J54415/16XL	Socket, Hex Bit 1/2" DR 5/16" X-Long
J54413/8XL	Socket, Hex Bit 1/2" DR 3/8" X-Long
J54411/2XL	Socket, Hex Bit 1/2" DR 1/2" X-Long
J54419/16XL	Socket, Hex Bit 1/2" DR 9/16" X-Long
J54415/8XL	Socket, Hex Bit 1/2" DR 5/8" X-Long
J4990-4MXL	Socket, Hex Bit 3/8" DR 4 mm X-Long
J4990-5MXL	Socket, Hex Bit 3/8" DR 5 mm X-Long
J4990-6MXL	Socket, Hex Bit 3/8" DR 6 mm X-Long
J4990-7MXL	Socket, Hex Bit 3/8" DR 7 mm X-Long
J4990-8MXL	Socket, Hex Bit 3/8" DR 8 mm X-Long
J4990-10MXL	Socket, Hex Bit 3/8" DR 10 mm X-Long
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT
J7209H	Socket, Impact 3/8" DR 9/32" 6 PT
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT
J7211H	Socket, Impact 3/8" DR 11/32" 6 PT
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT
J7226H	Socket, Impact 3/8" DR 13/16" 6 PT
J7228H	Socket, Impact 3/8" DR 7/8" 6 PT
J7230H	Socket, Impact 3/8" DR 15/16" 6 PT
J7232H	Socket, Impact 3/8" DR 1" 6 PT
J7412H	Socket, Impact 1/2" DR 3/8" 6 PT
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT
J7432H	Socket, Impact 1/2" DR 1" 6 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT
J7438H	Socket, Impact 1/2" DR 1-3/16" 6 PT
J7440H	Socket, Impact 1/2" DR 1-1/4" 6 PT
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT
J7420M	Socket, Impact 1/2" DR 20 mm 6 PT
J7421M	Socket, Impact 1/2" DR 21 mm 6 PT
J7422M	Socket, Impact 1/2" DR 22 mm 6 PT
J7423M	Socket, Impact 1/2" DR 23 mm 6 PT
J7424M	Socket, Impact 1/2" DR 24 mm 6 PT
J7312H	Socket, Impact 1/2" DR 3/8" 6 PT Deep
J7314H	Socket, Impact 1/2" DR 7/16" 6 PT Deep
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep
J7338H	Socket, Impact 1/2" DR 1-3/16" 6 PT Deep
J7340H	Socket, Impact 1/2" DR 1-1/4" 6 PT Deep
J7342H	Socket, Impact 1/2" DR 1-5/16" 6 PT Deep
J7344H	Socket, Impact 1/2" DR 1-3/8" 6 PT Deep
J7346H	Socket, Impact 1/2" DR 1-7/16" 6 PT Deep
J7348H	Socket, Impact 1/2" DR 1-1/2" 6 PT Deep
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep
J07512	Socket, Impact 3/4" DR 3/4" 6 PT
J07513	Socket, Impact 3/4" DR 13/16" 6 PT
J07514	Socket, Impact 3/4" DR 7/8" 6 PT
J07515	Socket, Impact 3/4" DR 15/16" 6 PT
J07516	Socket, Impact 3/4" DR 1" 6 PT

Contents	Description
J07517	Socket, Impact 3/4" DR 1-1/16" 6 PT
J07518	Socket, Impact 3/4" DR 1-1/8" 6 PT
J07519	Socket, Impact 3/4" DR 1-3/16" 6 PT
J07520	Socket, Impact 3/4" DR 1-1/4" 6 PT
J07521	Socket, Impact 3/4" DR 1-5/16" 6 PT
J7316HT	Socket, Impact 1/2" DR 1/2" Thin Wall
J7318HT	Socket, Impact 1/2" DR 9/16" Thin Wall
J7320HT	Socket, Impact 1/2" DR 5/8" Thin Wall
J7322HT	Socket, Impact 1/2" DR 11/16" Thin Wall
J7324HT	Socket, Impact 1/2" DR 3/4" Thin Wall
J7326HT	Socket, Impact 1/2" DR 13/16" Thin Wall
J7328HT	Socket, Impact 1/2" DR 7/8" Thin Wall
J7330HT	Socket, Impact 1/2" DR 15/16" Thin Wall
J7332HT	Socket, Impact 1/2" DR 1" Thin Wall
J7334HT	Socket, Impact 1/2" DR 1-1/16" Thin Wall
J7336HT	Socket, Impact 1/2" DR 1-1/8" Thin Wall
J7338HT	Socket, Impact 1/2" DR 1-3/16" Thin Wall
J7340HT	Socket, Impact 1/2" DR 1-1/4" Thin Wall
J7314MHT	Socket, Impact 1/2" DR 14 mm Thin Wall
J7315MHT	Socket, Impact 1/2" DR 15 mm Thin Wall
J7316MHT	Socket, Impact 1/2" DR 16 mm Thin Wall
J7317MHT	Socket, Impact 1/2" DR 17 mm Thin Wall
J7318MHT	Socket, Impact 1/2" DR 18 mm Thin Wall
J7319MHT	Socket, Impact 1/2" DR 19 mm Thin Wall
J7320MHT	Socket, Impact 1/2" DR 20 mm Thin Wall
J7321MHT	Socket, Impact 1/2" DR 21 mm Thin Wall
J7322MHT	Socket, Impact 1/2" DR 22 mm Thin Wall
J7323MHT	Socket, Impact 1/2" DR 23 mm Thin Wall
J7324MHT	Socket, Impact 1/2" DR 24 mm Thin Wall
J7708HT	Socket, Impact 3/8" DR 1/4" Deep Thin Wall
J7710HT	Socket, Impact 3/8" DR 5/16" Deep Thin Wall
J7712HT	Socket, Impact 3/8" DR 3/8" Deep Thin Wall
J7714HT	Socket, Impact 3/8" DR 7/16" Deep Thin Wall
J7716HT	Socket, Impact 3/8" DR 1/2" Deep Thin Wall
J7718HT	Socket, Impact 3/8" DR 9/16" Deep Thin Wall
J7720HT	Socket, Impact 3/8" DR 5/8" Deep Thin Wall
J7722HT	Socket, Impact 3/8" DR 11/16" Deep Thin Wall
J7724HT	Socket, Impact 3/8" DR 3/4" Deep Thin Wall
J7008MHT	Socket, Impact 3/8" DR 8 mm Deep Thin Wall
J7009MHT	Socket, Impact 3/8" DR 9 mm Deep Thin Wall
J7010MHT	Socket, Impact 3/8" DR 10 mm Deep Thin Wall
J7011MHT	Socket, Impact 3/8" DR 11 mm Deep Thin Wall
J7012MHT	Socket, Impact 3/8" DR 12 mm Deep Thin Wall
J7013MHT	Socket, Impact 3/8" DR 13 mm Deep Thin Wall
J7014MHT	Socket, Impact 3/8" DR 14 mm Deep Thin Wall
J7015MHT	Socket, Impact 3/8" DR 15 mm Deep Thin Wall
J7016MHT	Socket, Impact 3/8" DR 16 mm Deep Thin Wall
J7017MHT	Socket, Impact 3/8" DR 17 mm Deep Thin Wall
J7018MHT	Socket, Impact 3/8" DR 18 mm Deep Thin Wall
J7019MHT	Socket, Impact 3/8" DR 19 mm Deep Thin Wall
J7312HT	Socket, Impact 1/2" DR 3/8" Deep Thin Wall
J7314HT	Socket, Impact 1/2" DR 7/16" Deep Thin Wall
J7310MHT	Socket, Impact 1/2" DR 10 mm Deep Thin Wall
J7311MHT	Socket, Impact 1/2" DR 11 mm Deep Thin Wall
J7312MHT	Socket, Impact 1/2" DR 12 mm Deep Thin Wall
J7313MHT	Socket, Impact 1/2" DR 13 mm Deep Thin Wall
J74411/4	Socket, Impact Hex Bit 1/2" DR 1/4"
J74413/8	Socket, Impact Hex Bit 1/2" DR 3/8"

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Torx® is a trademark of Acument Intellectual Properties, LLC

1258 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1258MAS

Contents	Description
J74415/16	Socket, Impact Hex Bit 1/2" DR 5/16"
J74415/8	Socket, Impact Hex Bit 1/2" DR 5/8"
J74417/16	Socket, Impact Hex Bit 1/2" DR 7/16"
J74411/2	Socket, Impact Hex Bit 1/2" DR 1/2"
J74419/16	Socket, Impact Hex Bit 1/2" DR 9/16"
J4770TA	Socket, Universal 1/4" DR 7/32" 12 PT
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4777TA	Socket, Universal 1/4" DR 9/32" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4778TA	Socket, Universal 1/4" DR 11/32" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J4775TA	Socket, Universal 1/4" DR 1/2" 2 PT
J4776TA	Socket, Universal 1/4" DR 9/16" 12 PT
J48055AM	Socket, Universal 1/4" DR 5.5 mm 6 PT
J4805AM	Socket, Universal 1/4" DR 5 mm 6 PT
J4806AM	Socket, Universal 1/4" DR 6 mm 6 PT
J4807AM	Socket, Universal 1/4" DR 7 mm 6 PT
J4808AM	Socket, Universal 1/4" DR 8 mm 6 PT
J4809AM	Socket, Universal 1/4" DR 9 mm 6 PT
J4810AM	Socket, Universal 1/4" DR 10 mm 6 PT
J4811AM	Socket, Universal 1/4" DR 11 mm 6 PT
J4812AM	Socket, Universal 1/4" DR 12 mm 6 PT
J4813AM	Socket, Universal 1/4" DR 13 mm 6 PT
J4814AM	Socket, Universal 1/4" DR 14 mm 6 PT
J4815AM	Socket, Universal 1/4" DR 15 mm 6 PT
J5273HA	Socket, Universal 3/8" DR 3/8" 6 PT
J5274HA	Socket, Universal 3/8" DR 7/16" 6 PT
J5275HA	Socket, Universal 3/8" DR 1/2" 6 PT
J5276HA	Socket, Universal 3/8" DR 9/16" 6 PT
J5277HA	Socket, Universal 3/8" DR 5/8" 6 PT
J5278HA	Socket, Universal 3/8" DR 11/16" 6 PT
J5279HA	Socket, Universal 3/8" DR 3/4" 6 PT
J5270HAM	Socket, Universal 3/8" DR 7 mm 6 PT
J5273HAM	Socket, Universal 3/8" DR 10 mm 6 PT
J5274HAM	Socket, Universal 3/8" DR 11 mm 6 PT
J5275HAM	Socket, Universal 3/8" DR 12 mm 6 PT
J5276HAM	Socket, Universal 3/8" DR 13 mm 6 PT
J5277HAM	Socket, Universal 3/8" DR 14 mm 6 PT
J5278HAM	Socket, Universal 3/8" DR 15 mm 6 PT
J5279HAM	Socket, Universal 3/8" DR 16 mm 6 PT
J5280HAM	Socket, Universal 3/8" DR 17 mm 6 PT
J5281HAM	Socket, Universal 3/8" DR 18 mm 6 PT
J5282HAM	Socket, Universal 3/8" DR 19 mm 6 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5281AM	Socket, Universal 3/8" DR 18 mm 12 PT
J5282AM	Socket, Universal 3/8" DR 19 mm 12 PT
TR250	Stapler / Brad Nailer, Heavy-Duty Aluminum
TRA706T	Staples, Heavy-Duty 3/8" - 1,000 Pack

Contents	Description
68-768	Tap and Die, 76 PC Set
33-725	Tape Rule, FatMax® 1-1/4" x 25'
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" X 12'
J350	Tubing Cutter
J351	Tubing Flaring Tool
55-515	Wonder Bar® 13-3/8"
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3112	Wrench, Angle 3/8"
J3114	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J3116	Wrench, Angle 1/2"
J3118	Wrench, Angle 9/16"
J3120	Wrench, Angle 5/8"
J3122	Wrench, Angle 11/16"
J3124	Wrench, Angle 3/4"
J3126	Wrench, Angle 13/16"
J3128	Wrench, Angle 7/8"
J3130	Wrench, Angle 15/16"
J3132	Wrench, Angle 1"
J3134	Wrench, Angle 1-1/16"
J3136	Wrench, Angle 1-1/8"
J3140	Wrench, Angle 1-1/4"
J3109M	Wrench, Angle 9 mm
J3110M	Wrench, Angle 10 mm
J3111M	Wrench, Angle 11 mm
J3112M	Wrench, Angle 12 mm
J3113M	Wrench, Angle 13 mm
J3114M	Wrench, Angle 14 mm
J3115M	Wrench, Angle 15 mm
J3116M	Wrench, Angle 16 mm
J3117M	Wrench, Angle 17 mm
J3118M	Wrench, Angle 18 mm
J3119M	Wrench, Angle 19 mm
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT

Contents	Description
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT

Contents	Description
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J5336FL	Wrench, Crowfoot 1/2" DR 1-1/8"
J5338FL	Wrench, Crowfoot 1/2" DR 1-3/16"
J5340FL	Wrench, Crowfoot 1/2" DR 1-1/4"
J5342FL	Wrench, Crowfoot 1/2" DR 1-5/16"
J5344FL	Wrench, Crowfoot 1/2" DR 1-3/8"
J5346FL	Wrench, Crowfoot 1/2" DR 1-7/16"
J5348FL	Wrench, Crowfoot 1/2" DR 1-1/2"
J5350FL	Wrench, Crowfoot 1/2" DR 1-9/16"
J5352FL	Wrench, Crowfoot 1/2" DR 1-5/8"
J5354FL	Wrench, Crowfoot 1/2" DR 1-11/16"
J5356FL	Wrench, Crowfoot 1/2" DR 1-3/4"
J5358FL	Wrench, Crowfoot 1/2" DR 1-13/16"
J5360FL	Wrench, Crowfoot 1/2" DR 1-7/8"
J5362FL	Wrench, Crowfoot 1/2" DR 1-15/16"
J5364FL	Wrench, Crowfoot 1/2" DR 2"
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"

(CONTINUED ON NEXT PAGE)



1258 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1258MAS

Contents	Description
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J5330CF	Wrench, Open End Crowfoot 1/2" DR 15/16"
J5332CF	Wrench, Open End Crowfoot 1/2" DR 1"
J5334CF	Wrench, Open End Crowfoot 1/2" DR 1-1/16"
J5336CF	Wrench, Open End Crowfoot 1/2" DR 1-1/8"
J5338CF	Wrench, Open End Crowfoot 1/2" DR 1-3/16"
J5340CF	Wrench, Open End Crowfoot 1/2" DR 1-1/4"

Contents	Description
J5342CF	Wrench, Open End Crowfoot 1/2" DR 1-5/16"
J5344CF	Wrench, Open End Crowfoot 1/2" DR 1-3/8"
J5346CF	Wrench, Open End Crowfoot 1/2" DR 1-7/16"
J5348CF	Wrench, Open End Crowfoot 1/2" DR 1-1/2"
J5350CF	Wrench, Open End Crowfoot 1/2" DR 1-9/16"
J5352CF	Wrench, Open End Crowfoot 1/2" DR 1-5/8"
J5354CF	Wrench, Open End Crowfoot 1/2" DR 1-11/16"
J5356CF	Wrench, Open End Crowfoot 1/2" DR 1-3/4"
J5358CF	Wrench, Open End Crowfoot 1/2" DR 1-13/16"
J5360CF	Wrench, Open End Crowfoot 1/2" DR 1-7/8"
J5364CF	Wrench, Open End Crowfoot 1/2" DR 2"
J5368CF	Wrench, Open End Crowfoot 1/2" DR 2-1/8"
J5372CF	Wrench, Open End Crowfoot 1/2" DR 2-1/4"
J5376CF	Wrench, Open End Crowfoot 1/2" DR 2-3/8"
J5378CF	Wrench, Open End Crowfoot 1/2" DR 2-7/16"
J5380CF	Wrench, Open End Crowfoot 1/2" DR 2-1/2"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6064C	Wrench, Torque 3/8" DR 40-200 in-lbs
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

1258 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J456646-12RD

Product #: JCS-1258MASBX1

- 1258 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 26 mm.
- Contains: 642 Sockets and Accessories, 238 Wrenches, 50 Striking and Struck Tools, 33 Pliers, 63 Screwdrivers, 223 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4,
- JCS-MAS-5, JCS-MAS-6, JCS-MAS-7.
- Weight: 1355.0 lbs.





Representative Image; Contents May Differ

1258 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J445442-14RD AND TOP CHEST J445419-12RD

Product #: JCS-1258MASBX2

- 1258 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 26 mm.
- Contains: 642 Sockets and Accessories, 238 Wrenches, 50 Striking and Struck Tools, 33 Pliers, 63 Screwdrivers, 223 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4,
- JCS-MAS-5, JCS-MAS-6, JCS-MAS-7.
- Weight: 1229.0 lbs.







Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

1046 PC MASTER TECHNICIAN MAINTENANCE SET

Product #: JCS-1046MAS

- 1046 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Tools only.
- Contains: 469 Sockets and Accessories, 240 Wrenches, 42 Striking and Struck Tools, 32 Pliers, 111 Screwdrivers, 152 Miscellaneous Tools
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MAS-6, JCS-MOD1046.
- Enhanced version of Proto® J99950 Master Technician Maintenance Set.
- Weight: 513.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2142	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J2146	Bar, Pry Aligning 28"
9000-10	Bit, 1/4" x 1"
J61906	Bit, 38 PC Insert Set
9000-8	Bit, for P1 1/4" x 1"
9000-9	Bit, for P2 1/4" x 1"
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J60002	Bit, Insert #1 Phillips® 1/4" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60008	Bit, Insert #2 Phillips® 1/4" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60020	Bit, Insert #3 Phillips® 1/4" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60202	Bit, Insert 3/16" Slotted 1/4" Hex
J60208	Bit, Insert 9/32" Slotted 1/4" Hex
J60256	Bit, Insert 10F-12R Slot 5/16" Hex
J60262	Bit, Insert 14F-16R Slot 5/16" Hex
9000-7	Bit, Insert Slotted 1/4" x 7/8"
9000-6	Bit, Insert Slotted 3/16" #4
9000-11	Bit, Insert Slotted 5/16" x 1-1/2"
9000-12	Bit, Insert Slotted 5/16" x 1-1/2"
J9969-NA	Box, General Purpose with Tray
J404	C-Clamps, Capacity 0"-4", 2 Each
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A7/8X8	Chisel, Cold 1"
J86A7/16	Chisel, Cold 1/2"
J86A3/16	Chisel, Cold 1/4"
J86A5/8	Chisel, Cold 3/4"
J86A5/16	Chisel, Cold 3/8"
J86A1/4	Chisel, Cold 5/16"
J86A1/2	Chisel, Cold 5/8"
J86A3/4X8	Chisel, Cold 7/8"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J4761L	Extension, Locking 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5260-06L	Extension, Locking 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5463L	Extension, Locking 1/2" DR 10"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J7180P	Extension, Impact 1/2" DR 2"
J7181P	Extension, Impact 1/2" DR 5"
J5460W	Extension, Wobble 1/2" DR 2"
J4760W	Extension, Wobble 1/4" DR 3"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5261W	Extension, Wobble 3/8" DR 8"
J000D	Feeler Gauge, 10 Blade Ignition Set
J2302	File, Ignition PT
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
JSF150	Hammer, Soft Face without Tips SF15
JSF15XH	Hammer, Tip, Surface Protective 1-1/2" Extra Hard
JSF15H	Hammer, Tip, Surface Protective 1-1/2" Hard
JSF15M	Hammer, Tip 1-1/2" Medium
JSF15MH	Hammer, Tip 1-1/2" Medium Hard
JSF15S	Hammer, Tip 1-1/2" Soft
JSF15SS	Hammer, Tip 1-1/2" Super Soft
JSF15T	Hammer, Tip 1-1/2" Tough
J4780G	Handle, Speed 1/4" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J4785	Handle, Sliding T 1/4" DR

Contents	Description
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J7099	Impact, Hand Driver 3/8"
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-189C	Knife, Self-Retracting Utility
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
42-465	Level, Aluminum Torpedo Level (Mag)
J1368	Mallet, Rubber
J2371	Mirror, Inspect Oval 1" x 2"
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J9204M	Nut Driver, 4 mm
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J9211M	Nut Driver, 11 mm
J9213M	Nut Driver, 13 mm
J9214M	Nut Driver, 14 mm
82-115	Pick and Hook, 4 PC Set
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J235	Pliers, Ignition with Grip 4-1/16"
J235	Pliers, Ignition with Grip 4-1/16"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360A	Pliers, 6 PC Retaining Ring Set
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip

(CONTINUED ON NEXT PAGE)

1046 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1046MAS

Contents	Description
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J4280B	Puller, Blind Bearing Coll
J4280S	Puller, Blind Bearing Screw
J4005C	Puller, Cap Screw
J4028	Puller, Cap Screw
J2306	Puller, Cotter Pin Tool
J4226CA	Puller, Crossarm 2 Way
J4227CA	Puller, Crossarm 3 Way
J4208CA	Puller, Crossarm 6 Ton 2 Way
J4260R	Puller, Handle T-Rod Acme
J4026A	Puller, Jaw 6 Ton
J4209JB	Puller, Jaw 6 Ton Block
J4027	Puller, Jaw 6 Ton Narrow
J4210RJ	Puller, Jaw 6 Ton Reversible
J4229JB	Puller, Jaw 10 Ton Block
J4018	Puller, Jaw 10 Ton Cap Screw
J4016A	Puller, Jaw 10 Ton Dual-Reach
J4017	Puller, Jaw 10 Ton Narrow
J4230RJ	Puller, Jaw 10 Ton Reversible
J4209LS	Puller, Jaw Block Lock Screw
J4229LS	Puller, Jaw Block Lock Screw
J4056-2	Puller, Jaw Inside 2 Reach
J4256S	Puller, Jaw Inside Hook
J4056-4	Puller, Jaw Reversible 4 R
J4056-6	Puller, Jaw Reversible 6 R
J4250N	Puller, Nut Adjustable Reversible
J4331N	Puller, Nut Hex
J4333N	Puller, Nut Hex
J4056PN	Puller, Pin Pivot
J4277B	Puller, Rear Axle Flange F
J4275R	Puller, Rod Slide Acme Threader
J4333AR	Puller, Rod Threader 3/4"-1"
J4331R	Puller, Screw Cap
J4205E	Puller, Screw Cap
J4331R	Puller, Screw Cap
J4205S	Puller, Screw Forcing Acme
J4225S	Puller, Screw Forcing Acme
J4331P	Puller, Separator Plate
J4333P	Puller, Separator Plate
J4260H	Puller, Slide Hammer 2-1/2"
J4055H	Puller, Slide Hammer 5 lbs.
J4205B	Puller, Slotted Cross Arm
J4206SC	Puller, Slotted Cross Arm
J4011S	Puller, Spring Clip
J4021S	Puller, Spring Clip
J4040-1	Puller, Step Plate 3/4"
J4040-2	Puller, Step Plate 7/8"
J4040-3	Puller, Step Plate 1"
J4040-4	Puller, Step Plate 1-1/8"
J4040-5	Puller, Step Plate 1-1/4"
J4040-6	Puller, Step Plate 1-3/8"
J4040-7	Puller, Step Plate 1-1/2"
J4040-8	Puller, Step Plate 1-5/8"
J4040-9	Puller, Step Plate 1-3/4"
J4040-10	Puller, Step Plate 1-7/8"

Contents	Description
J4040-11	Puller, Step Plate 2"
J4040-12	Puller, Step Plate 2-1/8"
J4040-14	Puller, Step Plate 2-3/8"
J4040-13	Puller, Step Plate 2-1/4"
J4012T	Puller, Tip Detachable
J4022T	Puller, Tip Detachable Standard
J4250B	Puller, Yoke 2 Way Acme Th
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5649	Ratchet, 3/4" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
28-540	Scraper, Flexible 1-1/4" Wood Handle
J2338	Scrapers, Gasket and Carbon
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J9853	Screw Starter, Standard Tip
66-039	Screwdriver, 6 PC Stanley® Jewelers Precision Set
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4

Contents	Description
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
66-101	Screwdriver, Stanley® 100 PLUS® Standard Slotted Tip Pocket 1/8" x 2"
J9320	Set, 11 PC Screwdriver Magnetic Ratchet
J307	Snip, Duckbill 7"
J334	Snip, Combination 14"
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT

Contents	Description
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep

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1046 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1046MAS

Contents	Description
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT

Contents	Description
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J69X12	Socket, Extractor 3/8"
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT
J7420M	Socket, Impact 1/2" DR 20 mm 6 PT
J7421M	Socket, Impact 1/2" DR 21 mm 6 PT
J7422M	Socket, Impact 1/2" DR 22 mm 6 PT
J7423M	Socket, Impact 1/2" DR 23 mm 6 PT
J7424M	Socket, Impact 1/2" DR 24 mm 6 PT
J7312H	Socket, Impact 1/2" DR 3/8" 6 PT Deep
J7314H	Socket, Impact 1/2" DR 7/16" 6 PT Deep
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5246	Socket, Bit 3/8" DR Slotted
J69X09	Socket, Extractor 1/4" DR 7 mm
J69X10	Socket, Extractor 1/4" DR 8 mm
J69X11	Socket, Extractor 1/4" DR 9 mm
J69X13	Socket, Extractor 1/4" DR 10 mm
J69X14	Socket, Extractor 1/4" DR 11 mm
J69X15	Socket, Extractor 1/4" DR 12 mm
J69X16	Socket, Extractor 1/4" DR 13 mm
J69X18	Socket, Extractor 1/4" DR 14 mm
J69X20	Socket, Extractor 1/4" DR 15 mm
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm

Contents	Description
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT
J7209H	Socket, Impact 3/8" DR 9/32" 6 PT
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT
J7211H	Socket, Impact 3/8" DR 11/32" 6 PT
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT
J7226H	Socket, Impact 3/8" DR 13/16" 6 PT
J7228H	Socket, Impact 3/8" DR 7/8" 6 PT
J7230H	Socket, Impact 3/8" DR 15/16" 6 PT
J7232H	Socket, Impact 3/8" DR 1" 6 PT
J7412H	Socket, Impact 1/2" DR 3/8" 6 PT
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT
J7432H	Socket, Impact 1/2" DR 1" 6 PT
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT
J7438H	Socket, Impact 1/2" DR 1-3/16" 6 PT
J7440H	Socket, Impact 1/2" DR 1-1/4" 6 PT
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep

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1046 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1046MAS

Contents	Description
J7338H	Socket, Impact 1/2" DR 1-3/16" 6 PT Deep
J7340H	Socket, Impact 1/2" DR 1-1/4" 6 PT Deep
J7342H	Socket, Impact 1/2" DR 1-5/16" 6 PT Deep
J7344H	Socket, Impact 1/2" DR 1-3/8" 6 PT Deep
J7346H	Socket, Impact 1/2" DR 1-7/16" 6 PT Deep
J7348H	Socket, Impact 1/2" DR 1-1/2" 6 PT Deep
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep
J07512	Socket, Impact 3/4" DR 3/4" 6 PT
J07513	Socket, Impact 3/4" DR 13/16" 6 PT
J07514	Socket, Impact 3/4" DR 7/8" 6 PT
J07515	Socket, Impact 3/4" DR 15/16" 6 PT
J07516	Socket, Impact 3/4" DR 1" 6 PT
J07517	Socket, Impact 3/4" DR 1-1/16" 6 PT
J07518	Socket, Impact 3/4" DR 1-1/8" 6 PT
J07519	Socket, Impact 3/4" DR 1-3/16" 6 PT
J07520	Socket, Impact 3/4" DR 1-1/4" 6 PT
J07521	Socket, Impact 3/4" DR 1-5/16" 6 PT
J74411/4	Socket, Impact Hex Bit 1/2" DR 1/4"
J74415/16	Socket, Impact Hex Bit 1/2" DR 5/16"
J74413/8	Socket, Impact Hex Bit 1/2" DR 3/8"
J74417/16	Socket, Impact Hex Bit 1/2" DR 7/16"
J74411/2	Socket, Impact Hex Bit 1/2" DR 1/2"
J74419/16	Socket, Impact Hex Bit 1/2" DR 9/16"
J74415/8	Socket, Impact Hex Bit 1/2" DR 5/8"
J4770TA	Socket, Universal 1/4 DR 7/32" 12 PT
J4771TA	Socket, Universal 1/4 DR 1/4" 12 PT
J4777TA	Socket, Universal 1/4 DR 9/32" 12 PT
J4772TA	Socket, Universal 1/4 DR 5/16" 12 PT
J4778TA	Socket, Universal 1/4 DR 11/32" 12 PT
J4773TA	Socket, Universal 1/4 DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4 DR 7/16" 12 PT
J4775TA	Socket, Universal 1/4 DR 1/2" 12 PT
J4776TA	Socket, Universal 1/4 DR 9/16" 12 PT
J5273HA	Socket, Universal 3/8" DR 3/8" 6 PT
J5274HA	Socket, Universal 3/8" DR 7/16" 6 PT
J5275HA	Socket, Universal 3/8" DR 1/2" 6 PT
J5276HA	Socket, Universal 3/8" DR 9/16" 6 PT
J5277HA	Socket, Universal 3/8" DR 5/8" 6 PT
J5278HA	Socket, Universal 3/8" DR 11/16" 6 PT
J5279HA	Socket, Universal 3/8" DR 3/4" 6 PT
J5273HAM	Socket, Universal 3/8 DR 10 mm 6 PT
J5274HAM	Socket, Universal 3/8 DR 11 mm 6 PT

Contents	Description
J5275HAM	Socket, Universal 3/8 DR 12 mm 6 PT
J5276HAM	Socket, Universal 3/8 DR 13 mm 6 PT
J5277HAM	Socket, Universal 3/8 DR 14 mm 6 PT
J5278HAM	Socket, Universal 3/8 DR 15 mm 6 PT
J5279HAM	Socket, Universal 3/8 DR 16 mm 6 PT
J5280HAM	Socket, Universal 3/8 DR 17 mm 6 PT
J5281HAM	Socket, Universal 3/8 DR 18 mm 6 PT
J5282HAM	Socket, Universal 3/8 DR 19 mm 6 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
68-768	Tap and Die, 76 PC Set
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J350	Tubing Cutter
J351	Tubing Flaring Tool
55-515	Wonder Bar® 13-3/8"
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3112	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3114	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J3116	Wrench, Angle 1/2"
J3118	Wrench, Angle 9/16"
J3120	Wrench, Angle 5/8"
J3122	Wrench, Angle 11/16"
J3124	Wrench, Angle 3/4"
J3126	Wrench, Angle 13/16"
J3128	Wrench, Angle 7/8"
J3130	Wrench, Angle 15/16"
J3132	Wrench, Angle 1"
J3134	Wrench, Angle 1-1/16"
J3136	Wrench, Angle 1-1/8"
J3140	Wrench, Angle 1-1/4"
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J3109M	Wrench, Angle 9 mm
J3110M	Wrench, Angle 10 mm
J3111M	Wrench, Angle 11 mm
J3112M	Wrench, Angle 12 mm
J3113M	Wrench, Angle 13 mm
J3114M	Wrench, Angle 14 mm
J3115M	Wrench, Angle 15 mm
J3116M	Wrench, Angle 16 mm
J3117M	Wrench, Angle 17 mm
J3118M	Wrench, Angle 18 mm
J3119M	Wrench, Angle 19 mm
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT

Contents	Description
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J4708CF	Wrench, Crowfoot 1/4" DR 1/4" Open End
J4710CF	Wrench, Crowfoot 1/4" DR 5/16" Open End
J4712CF	Wrench, Crowfoot 1/4" DR 3/8" Open End
J4714CF	Wrench, Crowfoot 1/4" DR 7/16" Open End
J4716CF	Wrench, Crowfoot 1/4" DR 1/2" Open End
J4718CF	Wrench, Crowfoot 1/4" DR 9/16" Open End
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4930CF	Wrench, Crowfoot 3/8" DR 15/16" Open End
J4932CF	Wrench, Crowfoot 3/8" DR 1" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J5336FL	Wrench, Crowfoot 1/2" DR 1-1/8"
J5338FL	Wrench, Crowfoot 1/2" DR 1-3/16"

(CONTINUED ON NEXT PAGE)

1046 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-1046MAS

Contents	Description
J5340FL	Wrench, Crowfoot 1/2" DR 1-1/4"
J5342FL	Wrench, Crowfoot 1/2" DR 1-5/16"
J5344FL	Wrench, Crowfoot 1/2" DR 1-3/8"
J5346FL	Wrench, Crowfoot 1/2" DR 1-7/16"
J5348FL	Wrench, Crowfoot 1/2" DR 1-1/2"
J5350FL	Wrench, Crowfoot 1/2" DR 1-9/16"
J5352FL	Wrench, Crowfoot 1/2" DR 1-5/8"
J5354FL	Wrench, Crowfoot 1/2" DR 1-11/16"
J5356FL	Wrench, Crowfoot 1/2" DR 1-3/4"
J5358FL	Wrench, Crowfoot 1/2" DR 1-13/16"
J5360FL	Wrench, Crowfoot 1/2" DR 1-7/8"
J5330CF	Wrench, Crowfoot 1/2" DR 15/16" Open End
J5332CF	Wrench, Crowfoot 1/2" DR 1" Open End
J5334CF	Wrench, Crowfoot 1/2" DR 1-1/16" Open End
J5336CF	Wrench, Crowfoot 1/2" DR 1-1/8" Open End
J5338CF	Wrench, Crowfoot 1/2" DR 1-3/16" Open End
J5340CF	Wrench, Crowfoot 1/2" DR 1-1/4" Open End
J5342CF	Wrench, Crowfoot 1/2" DR 1-5/16" Open End
J5344CF	Wrench, Crowfoot 1/2" DR 1-3/8" Open End
J5346CF	Wrench, Crowfoot 1/2" DR 1-7/16" Open End
J5348CF	Wrench, Crowfoot 1/2" DR 1-1/2" Open End
J5350CF	Wrench, Crowfoot 1/2" DR 1-9/16" Open End
J5352CF	Wrench, Crowfoot 1/2" DR 1-5/8" Open End
J5354CF	Wrench, Crowfoot 1/2" DR 1-11/16" Open End
J5356CF	Wrench, Crowfoot 1/2" DR 1-3/4" Open End
J5358CF	Wrench, Crowfoot 1/2" DR 1-13/16" Open End
J5360CF	Wrench, Crowfoot 1/2" DR 1-7/8" Open End
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"

Contents	Description
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1046 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J455743-13RD

Product #: JCS-1046MASBX1

- 1046 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 441 Sockets and Accessories, 237 Wrenches, 41 Striking and Struck Tools, 25 Pliers, 83 Screwdrivers, 219 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MAS-6, JCS-MOD1046.
- Enhanced version of Proto® J99951 Master Technician's Maintenance set.
- Weight: 1137.0 lbs.





Representative Image; Contents May Differ

1046 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J445442-14RD

Product #: JCS-1046MASBX2

- 1046 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 441 Sockets and Accessories, 237 Wrenches, 41 Striking and Struck Tools, 25 Pliers, 83 Screwdrivers, 219 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MAS-6, JCS-MOD1046.
- Enhanced version of Proto® J99952 Master Technician's Maintenance set.
- Weight: 847.0 lbs.





Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

833 PC MASTER TECHNICIAN MAINTENANCE SET

Product #: JCS-0833MAS

- 833 Pieces.
- 1/4", 3/8",1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Tools only.
- Contains: 375 Sockets and Accessories, 170 Wrenches, 34 Striking and Struck Tools, 27 Pliers, 32 Screwdrivers, 139 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MOD833.
- Enhanced version of Proto® J99940 Master Technician Maintenance Set.
- Weight: 356.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
9000-10	Bit, 1/4" x 1"
9000-8	Bit, for P1 1/4" x 1"
9000-9	Bit, for P2 1/4" x 1"
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J60002	Bit, Insert #1 Phillips® 1/4" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60008	Bit, Insert #2 Phillips® 1/4" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60020	Bit, Insert #3 Phillips® 1/4" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60202	Bit, Insert 3/16" Slotted 1/4" Hex
J60208	Bit, Insert 9/32" Slotted 1/4" Hex
J60256	Bit, Insert 10F-12R Slot 5/16" Hex
J60262	Bit, Insert 14F-16R Slot 5/16" Hex
9000-6	Bit, Insert Slotted 3/16" #4
9000-7	Bit, Insert Slotted 1/4" x 7/8"
9000-11	Bit, Insert Slotted 5/16" x 1-1/2"
9000-12	Bit, Insert Slotted 5/16" x 1-1/2"
J4019	Box, for Puller Set
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"

Contents	Description
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J4780G	Handle, Speed 1/4 DR
J5280G	Handle, Speed 3/8 DR
J5480G	Handle, Speed 1/2 DR
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J7099	Impact, Hand Driver 3/8"
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9210	Nut Driver, 5/16"
J9209	Nut Driver, 9/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9211	Nut Driver, 11/32"
J9220	Nut Driver, 5/8"
J9204M	Nut Driver, 4 mm
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J9211M	Nut Driver, 11 mm
J9213M	Nut Driver, 13 mm
J9214M	Nut Driver, 14 mm
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"

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833 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0833MAS

Contents	Description
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360A	Pliers, 6 PC Retaining Ring Set
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J4209JB	Puller, 6 Ton Jaw Block
J4210RJ	Puller, 6 Ton Jaw Reversible
J4229JB	Puller, 10 Ton Jaw Block
J4280B	Puller, Blind Bearing Coll
J2306	Puller, Cotter Pin Tool
J4227CA	Puller, Crossarm 3 Way
J4208CA	Puller, Crossarm 6 Ton 2 Way
J4260R	Puller, Handle T-Rod Acme
J4230RJ	Puller, Jaw 10 Ton Reversible
J4209LS	Puller, Jaw Block Lock Screw
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4331N	Puller, Nut Hex
J4333N	Puller, Nut Hex
J4056PN	Puller, Pin Pivot
J4275R	Puller, Rod Slide Acme Threader
J4333AR	Puller, Rod Threader 3/4"-1"
J4331R	Puller, Screw Cap
J4205S	Puller, Screw Forcing Acme
J4331P	Puller, Separator Plate
J4333P	Puller, Separator Plate
J4260H	Puller, Slide Hammer 2-1/2"
J4055H	Puller, Slide Hammer 5 lbs.
J4040-1	Puller, Step Plate 3/4"
J4040-2	Puller, Step Plate 7/8"
J4040-3	Puller, Step Plate 1"
J4040-4	Puller, Step Plate 1-1/8"
J4040-6	Puller, Step Plate 1-3/8"
J4040-5	Puller, Step Plate 1-1/4"
J4040-8	Puller, Step Plate 1-5/8"
J4040-7	Puller, Step Plate 1-1/2"
J4040-9	Puller, Step Plate 1-3/4"
J4040-10	Puller, Step Plate 1-7/8"
J4040-11	Puller, Step Plate 2"
J4012T	Puller, Tip Detachable
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"

Contents	Description
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J471/2X1/4	Punch, Pin 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X5/32	Punch, Pin 5/32"
J477/16X7/32	Punch, Pin 7/32"
J445/16	Punch, Prick 5/16"
J505/16	Punch, Starting 1/8"
J501/4	Punch, Starting 3/32"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5649	Ratchet, 3/4" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
28-540	Scraper, Flexible 1-1/4" Wood Handle
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4706	Socket, 1/4" DR 3/16" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT

Contents	Description
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT

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833 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0833MAS

Contents	Description
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep

Contents	Description
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J69X09	Socket, Extractor 1/4" DR 7 mm
J69X10	Socket, Extractor 1/4" DR 8 mm
J69X11	Socket, Extractor 1/4" DR 9 mm
J69X13	Socket, Extractor 1/4" DR 10 mm
J69X14	Socket, Extractor 1/4" DR 11 mm
J69X15	Socket, Extractor 1/4" DR 12 mm
J69X16	Socket, Extractor 1/4" DR 13 mm
J69X18	Socket, Extractor 1/4" DR 14 mm
J69X20	Socket, Extractor 1/4" DR 15 mm
J69X12	Socket, Extractor 3/8"
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT
J7209H	Socket, Impact 3/8" DR 9/32" 6 PT
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT
J7211H	Socket, Impact 3/8" DR 11/32" 6 PT
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT
J7226H	Socket, Impact 3/8" DR 13/16" 6 PT
J7228H	Socket, Impact 3/8" DR 7/8" 6 PT
J7230H	Socket, Impact 3/8" DR 15/16" 6 PT
J7232H	Socket, Impact 3/8" DR 1" 6 PT
J4770TA	Socket, Universal 1/4" DR 7/32" 12 PT
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4777TA	Socket, Universal 1/4" DR 9/32" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4778TA	Socket, Universal 1/4" DR 11/32" 12 PT

Contents	Description
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J4775TA	Socket, Universal 1/4" DR 1/2" 12 PT
J4776TA	Socket, Universal 1/4" DR 9/16" 12 PT
J5273HA	Socket, Universal 3/8" DR 3/8" 6 PT
J5274HA	Socket, Universal 3/8" DR 7/16" 6 PT
J5275HA	Socket, Universal 3/8" DR 1/2" 6 PT
J5276HA	Socket, Universal 3/8" DR 9/16" 6 PT
J5277HA	Socket, Universal 3/8" DR 5/8" 6 PT
J5278HA	Socket, Universal 3/8" DR 11/16" 6 PT
J5279HA	Socket, Universal 3/8" DR 3/4" 6 PT
J5273HAM	Socket, Universal 3/8" DR 10 mm 6 PT
J5274HAM	Socket, Universal 3/8" DR 11 mm 6 PT
J5275HAM	Socket, Universal 3/8" DR 12 mm 6 PT
J5276HAM	Socket, Universal 3/8" DR 13 mm 6 PT
J5277HAM	Socket, Universal 3/8" DR 14 mm 6 PT
J5278HAM	Socket, Universal 3/8" DR 15 mm 6 PT
J5279HAM	Socket, Universal 3/8" DR 16 mm 6 PT
J5280HAM	Socket, Universal 3/8" DR 17 mm 6 PT
J5281HAM	Socket, Universal 3/8" DR 18 mm 6 PT
J5282HAM	Socket, Universal 3/8" DR 19 mm 6 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
10-099	Stanley® Classic 99® Retractable Blade Utility Knife
68-768	Tap and Die, 76 PC Set
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J350	Tubing Cutter
J351	Tubing Flaring Tool
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3316	Wrench, Angle 1/4"
J3315	Wrench, Angle 15/64"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3112	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3114	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J3116	Wrench, Angle 1/2"
J3118	Wrench, Angle 9/16"
J3120	Wrench, Angle 5/8"
J3122	Wrench, Angle 11/16"
J3126	Wrench, Angle 13/16"

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833 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0833MAS

Contents	Description
J3124	Wrench, Angle 3/4"
J3128	Wrench, Angle 7/8"
J3130	Wrench, Angle 15/16"
J3132	Wrench, Angle 1"
J3134	Wrench, Angle 1-1/16"
J3136	Wrench, Angle 1-1/8"
J3140	Wrench, Angle 1-1/4"
J3109M	Wrench, Angle 9 mm
J3110M	Wrench, Angle 10 mm
J3111M	Wrench, Angle 11 mm
J3112M	Wrench, Angle 12 mm
J3113M	Wrench, Angle 13 mm
J3114M	Wrench, Angle 14 mm
J3115M	Wrench, Angle 15 mm
J3116M	Wrench, Angle 16 mm
J3117M	Wrench, Angle 17 mm
J3118M	Wrench, Angle 18 mm
J3119M	Wrench, Angle 19 mm
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT

Contents	Description
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J5336FL	Wrench, Crowfoot 1/2" DR 1-1/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5338FL	Wrench, Crowfoot 1/2" DR 1-3/16"
J5340FL	Wrench, Crowfoot 1/2" DR 1-1/4"
J5342FL	Wrench, Crowfoot 1/2" DR 1-5/16"
J5344FL	Wrench, Crowfoot 1/2" DR 1-3/8"
J5346FL	Wrench, Crowfoot 1/2" DR 1-7/16"
J5348FL	Wrench, Crowfoot 1/2" DR 1-1/2"
J5350FL	Wrench, Crowfoot 1/2" DR 1-9/16"
J5352FL	Wrench, Crowfoot 1/2" DR 1-5/8"
J5354FL	Wrench, Crowfoot 1/2" DR 1-11/16"
J5356FL	Wrench, Crowfoot 1/2" DR 1-3/4"
J5358FL	Wrench, Crowfoot 1/2" DR 1-13/16"
J5360FL	Wrench, Crowfoot 1/2" DR 1-7/8"
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"

Contents	Description
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

833 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J455041-10RD

Product #: JCS-0833MASBX1

- 833 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 353 Sockets and Accessories, 205 Wrenches, 34 Striking and Struck Tools, 22 Pliers, 43 Screwdrivers, 176 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MOD833.
- Enhanced version of Proto® J99941 Master Technician's Set.
- Weight: 831.0 lbs.





Representative Image; Contents May Differ

833 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J445442-14RD

Product #: JCS-0833MASBX2

- 833 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 353 Sockets and Accessories, 205 Wrenches, 34 Striking and Struck Tools, 22 Pliers, 43 Screwdrivers, 176 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MOD833.
- Enhanced version of Proto® J99942 Master Technician's Set.
- Weight: 700.0 lbs.



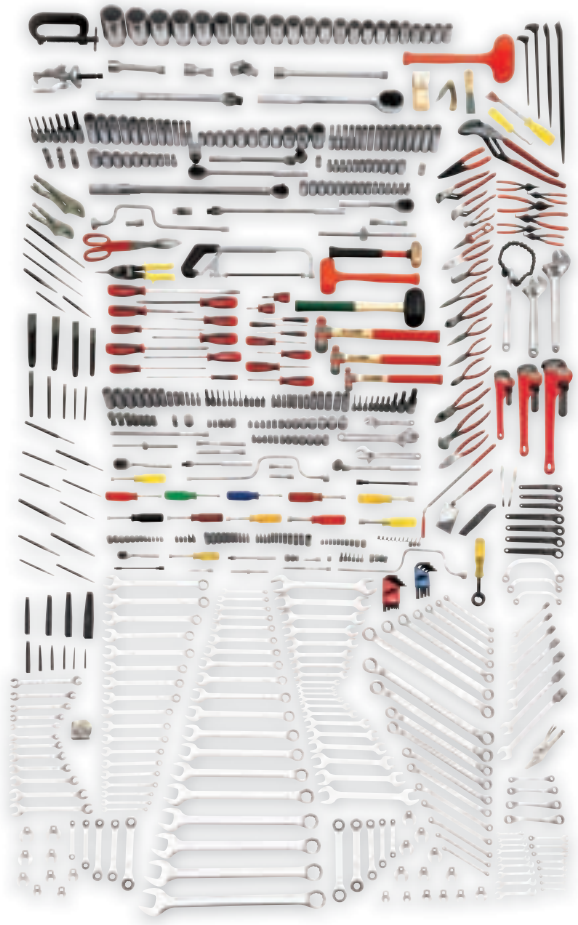


Representative Image; Contents May Differ

613 PC MASTER TECHNICIAN MAINTENANCE SET

Product #: JCS-0613MAS

- 613 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Tools only.
- Contains: 305 Sockets and Accessories, 170 Wrenches, 34 Striking and Struck Tools, 27 Pliers, 32 Screwdrivers, 45 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MOD613.
- Enhanced version of Proto® J99930 Master Technician Maintenance Set.
- Weight: 338.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9523	Extractor, Screw 3/16"
J9522	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.

(CONTINUED ON NEXT PAGE)

613 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0613MAS

Contents	Description
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J4780G	Handle, Speed 1/4 DR
J5280G	Handle, Speed 3/8 DR
J5480G	Handle, Speed 1/2 DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J9209	Nut Driver, 9/32"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360A	Pliers, 6 PC Retaining Ring Set
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot

Contents	Description
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J963/8	Punch, Drift 3/16"
J965/16	Punch, Drift 1/8"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J473/8X3/16	Punch, Pin 3/16"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J503/8	Punch, Starting 3/16"
J505/16	Punch, Starting 1/8"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5649	Ratchet, 3/4" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4706	Socket, 1/4" DR 3/16" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT

Contents	Description
J5224	Socket, 3/8" DR 3/4" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT

(CONTINUED ON NEXT PAGE)

613 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0613MAS

Contents	Description
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep

Contents	Description
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



Contents	Description
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J3332	Wrench, Angle 1/2"
J3316	Wrench, Angle 1/4"
J3322	Wrench, Angle 11/32"
J3315	Wrench, Angle 15/64"
J3324	Wrench, Angle 3/8"
J3320	Wrench, Angle 5/16"
J3328	Wrench, Angle 7/16"
J3314	Wrench, Angle 7/32"
J3318	Wrench, Angle 9/32"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT

Contents	Description
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short

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613 PC MASTER TECHNICIAN MAINTENANCE SET (CONTINUED)

Product #: JCS-0613MAS

Contents	Description
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"

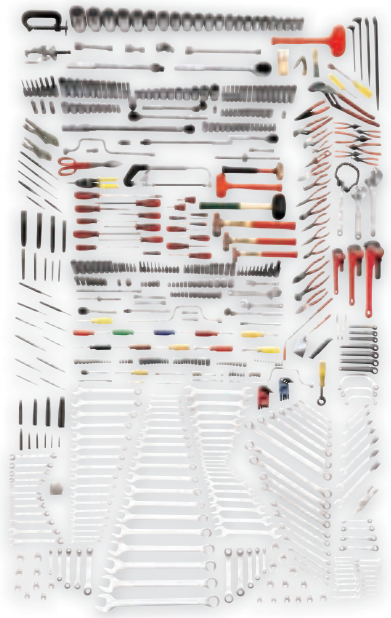
Contents	Description
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1731	Wrench, Obstruction 5/8" x 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

613 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J455041-10RD

Product #: JCS-0613MASBX1

- 613 pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 305 Sockets and Accessories, 167 Wrenches, 33 Striking and Struck Tools, 22 Pliers, 32 Screwdrivers, 54 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MOD613.
- Enhanced version of Proto® J99931 Master Technician Maintenance Set.
- Weight: 813.0 lbs.





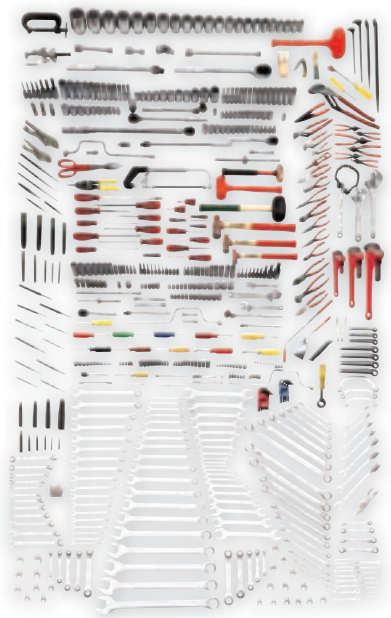
Representative Image; Contents May Differ

613 PC MASTER TECHNICIAN MAINTENANCE SET WITH WORKSTATION J445442-14RD

Product #: JCS-0613MASBX2

- 613 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/16" - 2-3/8", 2 mm - 24 mm.
- Contains: 305 Sockets and Accessories, 167 Wrenches, 33 Striking and Struck Tools, 22 Pliers, 32 Screwdrivers, 54 Miscellaneous Tools.
- Modules contained: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MOD613.
- Enhanced version of Proto® J99932 Master Technician Maintenance Set.
- Weight: 682.0 lbs.





Representative Image; Contents May Differ

497 PC MASTER TECHNICIAN MAINTENANCE TOOL SET

Product #: J99920

- 497 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 2.5 mm - 24 mm.
- Tools Only.
- Contains: 259 Sockets and Accessories, 128 Wrenches, 32 Striking and Struck Tools, 14 Pliers, 30 Screwdrivers, 34 Miscellaneous Tools.
- Sub-sets contained: J99900, J99905, J99915.
- Weight: 297.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9528	Extractor, Screw 3/16"
J9525B	Extractor, Screw 15/64"
J9523	Extractor, Screw 5/16"
J9527	Extractor, Screw 3/8"
J9522	Extractor, Screw 15/32"
J9525	Extractor, Screw 9/16"
J9524	Extractor, Screw 21/32"
J9526	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J5468	Handle, Hinge 1/2" DR
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J4980	Hex Key, 13 PC Standard Set

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4984	Hex Key, 9 PC Metric Set
J2108	Holder, Punch and Chisel
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J501/2	Punch, Starting 1/4"
J507/16	Punch, Starting 7/32"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88393	Screwdriver, Phillips® #0
J88318	Screwdriver, Phillips® #1
J88313	Screwdriver, Phillips® #1
J88328	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep

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497 PC MASTER TECHNICIAN MAINTENANCE TOOL SET (CONTINUED)

Product #: J99920

Contents	Description
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep

Contents	Description
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep

Contents	Description
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5412	Socket, 1/2" DR 3/8" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5444A	Socket, 1/2" DR Drag Link 3/4"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm

Contents	Description
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT

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497 PC MASTER TECHNICIAN MAINTENANCE TOOL SET (CONTINUED)

Product #: J99920

Contents	Description
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm

Contents	Description
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

497 PC MASTER TECHNICIAN MAINTENANCE SET WITH ROLLER CABINET J442742-8RD AND TOP CHEST J442719-12RD-D

Product #: J99921

- 497 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 2.5 mm - 24 mm.
- Contains: 266 Sockets and Accessories, 125 Wrenches, 32 Striking and Struck Tools, 13 Pliers, 19 Screwdrivers, 42 Miscellaneous Tools.
- Sub-sets contained: J99900, J99905, J99915.
- Weight: 640.0 lbs.







Representative Image; Contents May Differ

497 PC MASTER TECHNICIAN MAINTENANCE SET WITH ROLLER CABINET J453441-8RD AND TOP CHEST J453427-6RD

Product #: J99922

- 497 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 2.5 mm - 24 mm.
- Contains: 266 Sockets and Accessories, 125 Wrenches, 32 Striking and Struck Tools, 13 Pliers, 19 Screwdrivers, 42 Miscellaneous Tools.
- Sub-sets contained: J99900, J99905, J99915.
- Weight: 826.0 lbs.







Representative Image; Contents May Differ

272 PC MASTER TOOL SET

Product #: J99710

- 272 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Tools only.
- Contains: 121 Sockets and Accessories, 54 Wrenches, 17 Striking and Struck Tools, 28 Pliers, 19 Screwdrivers, 33 Miscellaneous Tools.
- Weight: 216.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J404	C-Clamps, Capacity 0"-4", 2 Each
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9525	Extractor, Screw 5/16"
J9524	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5661	Extension, 3/4" DR 8"
J5463	Extension, 1/2" DR 10"
J5663	Extension, 3/4" DR 16"
J5696	Box, Extra Heavy-Duty Set
J95218	Knife, Folding Blade
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5668	Handle, Hinge 3/4" DR 20"
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4980	Hex Key, 13 PC Standard Set
J5467	Handle, Hinge 1/2" DR 15-3/4"
J2108	Holder, Punch and Chisel
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J9206	Nut Driver, 3/16"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J4206CA	Puller, Crossarm 6 Ton 2 Way
J4026A	Puller, Jaw 6 Ton
J4027	Puller, Jaw 6 Ton Narrow
J4205S	Puller, Screw Forcing Acme
J4029	Puller, Set Box
J4021S	Puller, Spring Clip
J4022T	Puller, Tip Detachable Standard
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5649	Ratchet, 3/4" DR
J2336	Scrapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT

Contents	Description
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718	Socket, 1/4" DR 9/16" 6 PT
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT

(CONTINUED ON NEXT PAGE)

272 PC MASTER TOOL SET (CONTINUED)

Product #: J99710

Contents	Description
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short

Contents	Description
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT

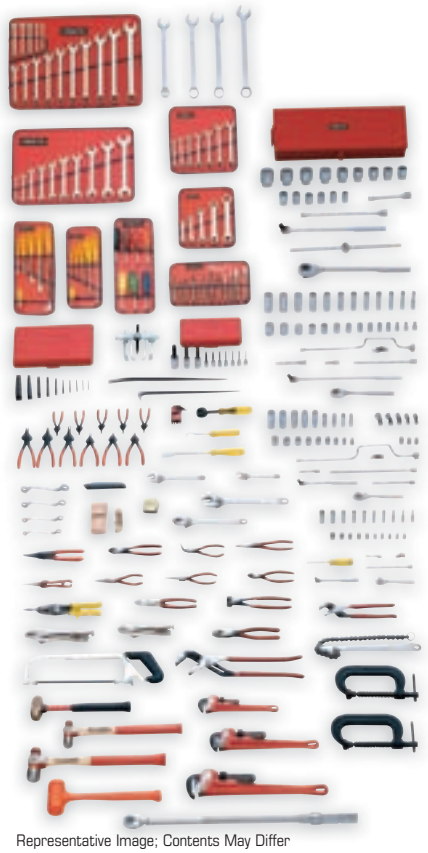
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

272 PC MASTER SET WITH ROLLER CABINET J442742-8RD

Product #: J99711

- 272 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Contains: 122 Sockets and Accessories, 54 Wrenches, 17 Striking and Struck Tools, 26 Pliers, 19 Screwdrivers, 34 Miscellaneous Tools.
- Weight: 403.0 lbs.





Representative Image; Contents May Differ

272 PC MASTER SET WITH ROLLER CABINET J453441-8RD

Product #: J99712

- 272 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Contains: 122 Sockets and Accessories, 54 Wrenches, 17 Striking and Struck Tools, 26 Pliers, 19 Screwdrivers, 34 Miscellaneous Tools.
- Weight: 525.0 lbs.





Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

194 PC MASTER SET

Product #: J99530

- 194 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/8" - 1-1/4".
- Tools only.
- Contains: 109 Sockets and Accessories, 60 Wrenches, 11 Screwdrivers, 1 Pliers, 13 MIscellaneous Tools.
- Weight: 61.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5496-NA	Box, 19" Set
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4980	Hex Key, 13 PC Standard Set
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9218	Nut Driver, 9/16"
J9216	Nut Driver, 1/2"
J9220	Nut Driver, 5/8"
J235	Pliers, Ignition with Grip 4-1/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J4706T	Socket, 1/4" DR 3/16" 12 PT
J4708T	Socket, 1/4" DR 1/4" 12 PT
J4707T	Socket, 1/4" DR 7/32" 12 PT
J4709T	Socket, 1/4" DR 9/32" 12 PT
J4710T	Socket, 1/4" DR 5/16" 12 PT
J4711T	Socket, 1/4" DR 11/32" 12 PT
J4712T	Socket, 1/4" DR 3/8" 12 PT
J4714T	Socket, 1/4" DR 7/16" 12 PT
J4716T	Socket, 1/4" DR 1/2" 12 PT
J4718T	Socket, 1/4" DR 9/16" 12 PT
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT

Contents	Description
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5421	Socket, 1/2" DR 21/32" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5431	Socket, 1/2" DR 31/32" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5312	Socket, 1/2" DR 3/8" 12 PT Deep
J5314	Socket, 1/2" DR 7/16" 12 PT Deep
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5338	Socket, 1/2" DR 1-3/16" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"

(CONTINUED ON NEXT PAGE)



194 PC MASTER SET (CONTINUED)

Product #: J99530

Contents	Description
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT

Contents	Description
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT

194 PC MASTER SET WITH TOP CHEST J442719-10RD-D

Product #: J99531

- 194 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/8" - 1-1/4".
- Tools only.
- Contains: 109 Sockets and Accessories, 61 Wrenches, 11 Screwdrivers, 13 Miscellaneous Tools.
- Weight: 208.0 lbs.





Representative Image; Contents May Differ

194 PC MASTER SET WITH TOP CHEST J442719-8RD

Product #: J99532

- 194 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/8" - 1-1/4".
- Tools only.
- Contains: 109 Sockets and Accessories, 61 Wrenches, 11 Screwdrivers, 13 Miscellaneous Tools.
- Weight: 206.0 lbs.





Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

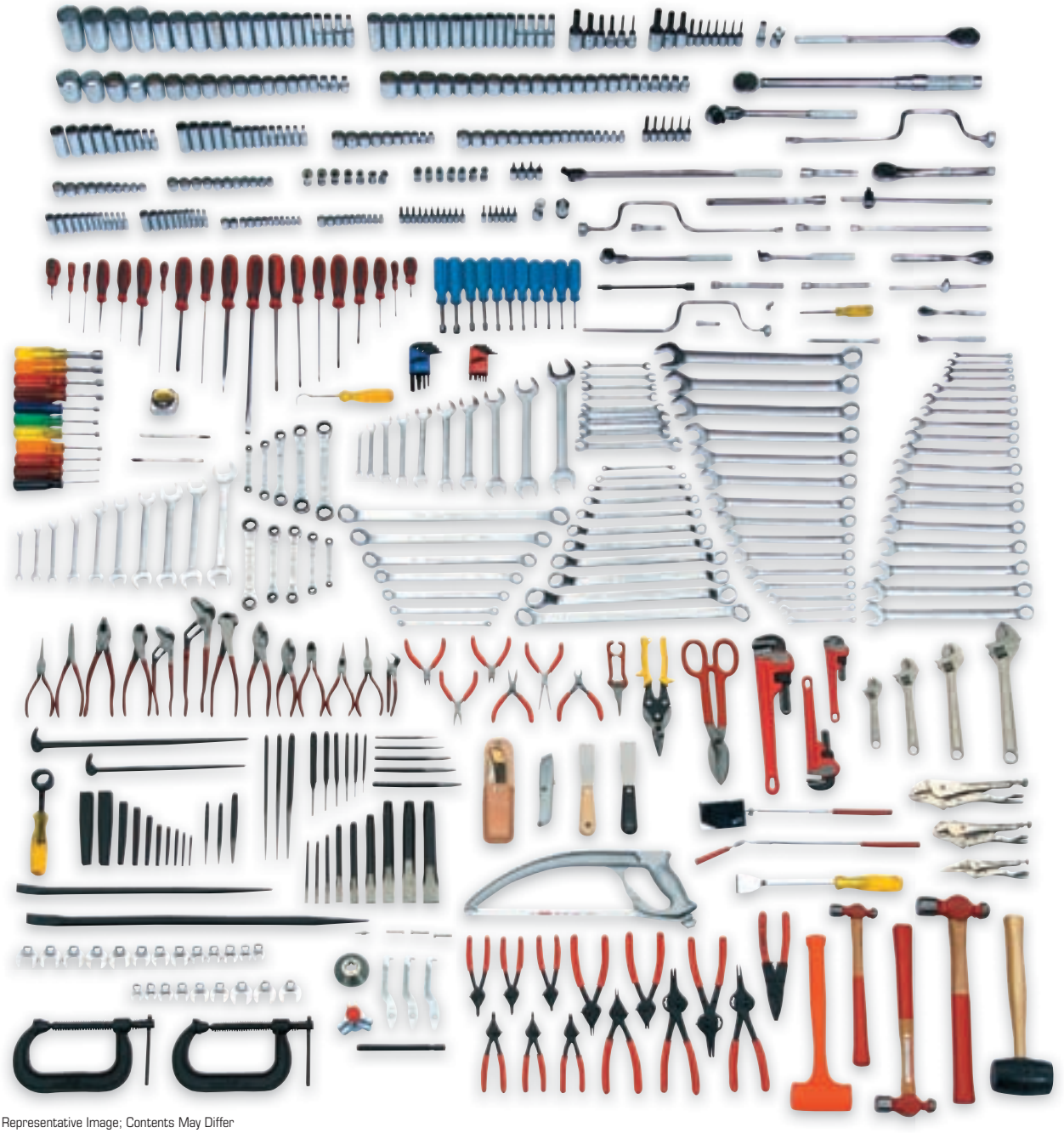
Made in USA Made in USA with global components

558 PC METRIC MASTER SET

METRIC

Product #: JCS-0558MAS

- 558 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/2", 2 mm - 36 mm.
- Tools only.
- Contains: 282 Sockets and Accessories, 122 Wrenches, 32 Striking and Struck Tools, 38 Pliers, 43 Screwdrivers, 41 Miscellaneous Tools.
- Enhanced version of Proto® J99560 Metric Master Set.
- Weight: 223.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J95218	Knife, Folding Blade
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J4780G	Handle, Speed 1/4" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
J4984	Hex Key, 9 PC Metric Set
J2108	Holder, Punch and Chisel
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber

Contents	Description
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9206	Nut Driver, 3/16"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J9204M	Nut Driver, 4 mm
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J9211M	Nut Driver, 11 mm
J9213M	Nut Driver, 13 mm
J9214M	Nut Driver, 14 mm
J2806SMP	Pliers, 6 PC Mini Set
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2375	Retrieval Tool, Pocket Magnetic
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32

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558 PC METRIC MASTER SET (CONTINUED)

METRIC

Product #: JCS-0558MAS

Contents	Description
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head
J5450	Ratchet, 1/2" DR (Long Handle)
J5247	Ratchet, Adapter 3/8" DR 5/16"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
28-540	Scraper, Flexible 1-1/4" Wood Handle
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4981	Set, Hex Key 11 PC
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT

Contents	Description
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J5206HS	Socket, 3/8" DR 3/16" 6 PT Super Short
J5208HS	Socket, 3/8" DR 1/4" 6 PT Super Short
J5210HS	Socket, 3/8" DR 5/16" 6 PT Super Short
J5212HS	Socket, 3/8" DR 3/8" 6 PT Super Short
J5214HS	Socket, 3/8" DR 7/16" 6 PT Super Short
J5216HS	Socket, 3/8" DR 1/2" 6 PT Super Short
J5218HS	Socket, 3/8" DR 9/16" 6 PT Super Short
J5224HS	Socket, 3/8" DR 3/4" 6 PT Super Short
J5222HS	Socket, 3/8" DR 11/16" 6 PT Super Short
J5220HS	Socket, 3/8" DR 5/8" 6 PT Super Short
J5209MHS	Socket, 3/8" DR 9 mm 6 PT Super Short
J5210MHS	Socket, 3/8" DR 10 mm 6 PT Super Short
J5211MHS	Socket, 3/8" DR 11 mm 6 PT Super Short
J5212MHS	Socket, 3/8" DR 12 mm 6 PT Super Short
J5213MHS	Socket, 3/8" DR 13 mm 6 PT Super Short
J5214MHS	Socket, 3/8" DR 14 mm 6 PT Super Short
J5215MHS	Socket, 3/8" DR 15 mm 6 PT Super Short
J5216MHS	Socket, 3/8" DR 16 mm 6 PT Super Short
J5217MHS	Socket, 3/8" DR 17 mm 6 PT Super Short
J5218MHS	Socket, 3/8" DR 18 mm 6 PT Super Short
J5219MHS	Socket, 3/8" DR 19 mm 6 PT Super Short
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5206M	Socket, 3/8" DR 6 mm 12 PT
J5207M	Socket, 3/8" DR 7 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5220M	Socket, 3/8" DR 20 mm 12 PT
J5221M	Socket, 3/8" DR 21 mm 12 PT
J5222M	Socket, 3/8" DR 22 mm 12 PT
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep
J5007M	Socket, 3/8" DR 7 mm 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5273AM	Socket, 3/8" DR 10 mm 12 PT Universal
J5274AM	Socket, 3/8" DR 11 mm 12 PT Universal
J5275AM	Socket, 3/8" DR 12 mm 12 PT Universal
J5276AM	Socket, 3/8" DR 13 mm 12 PT Universal
J5277AM	Socket, 3/8" DR 14 mm 12 PT Universal
J5278AM	Socket, 3/8" DR 15 mm 12 PT Universal
J5272AM	Socket, 3/8" DR 9 mm 12 PT Universal
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT

Contents	Description
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J5427M	Socket, 1/2" DR 27 mm 12 PT
J5428M	Socket, 1/2" DR 28 mm 12 PT
J5429M	Socket, 1/2" DR 29 mm 12 PT
J5430M	Socket, 1/2" DR 30 mm 12 PT
J5431M	Socket, 1/2" DR 31 mm 12 PT
J5432M	Socket, 1/2" DR 32 mm 12 PT
J5436M	Socket, 1/2" DR 36 mm 12 PT
J5314	Socket, 1/2" DR 7/16" 12 PT Deep
J5312	Socket, 1/2" DR 3/8" 12 PT Deep
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5338	Socket, 1/2" DR 1-3/16" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5344	Socket, 1/2" DR 1-3/8" 12 PT Deep
J5346	Socket, 1/2" DR 1-7/16" 12 PT Deep

(CONTINUED ON NEXT PAGE)

558 PC METRIC MASTER SET (CONTINUED)

METRIC

Product #: JCS-0558MAS

Contents	Description
J5342	Socket, 1/2" DR 1-5/16" 12 PT Deep
J5348	Socket, 1/2" DR 1-1/2" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5441-6M	Socket, Hex Bit 1/2" DR 6 mm
J5441-8M	Socket, Hex Bit 1/2" DR 8 mm
J5441-10M	Socket, Hex Bit 1/2" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"

Contents	Description
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J706L	Wrench, Adjustable Clik-Stop® Chrome, 6"
J708L	Wrench, Adjustable Clik-Stop® Chrome, 8"
J710L	Wrench, Adjustable Clik-Stop® Chrome, 10"
J712L	Wrench, Adjustable Clik-Stop® Chrome, 12"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J808HD	Wrench, Pipe Heavy-Duty 8"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End

Contents	Description
J3764	Wrench, Flare Nut 3/8" x 7/16" 6 PT
J3768	Wrench, Flare Nut 1/2" x 9/16" 6 PT
J3772	Wrench, Flare Nut 5/8" x 11/16" 6 PT
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J6016C	Wrench, Torque 1/2" DR 30-150 ft-lbs

558 PC METRIC MASTER SET WITH WORKSTATION J455041-10RD

Product #: JCS-0558MASBX1

- 558 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/2", 2 mm - 36 mm.
- Contains: 279 Sockets and Accessories, 119 Wrenches, 31 Striking and Struck Tools, 27 Pliers, 43 Screwdrivers, 59 Miscellaneous Tools.
- Enhanced version of Proto® J99561 Metric Master Set.
- Weight: 698.0 lbs.





Representative Image; Contents May Differ

558 PC METRIC MASTER SET WITH WORKSTATION J444142-6RD

Product #: JCS-0558MASBX2

- 58 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/2", 2 mm - 36 mm.
- Contains: 279 Sockets and Accessories, 119 Wrenches, 31 Striking and Struck Tools, 27 Pliers, 43 Screwdrivers, 59 Miscellaneous Tools.
- Enhanced version of Proto® J99562 Metric Master Set.
- Weight: 471.0 lbs.





Representative Image; Contents May Differ

411 PC ADVANCED MAINTENANCE TOOL SET

Product #: J99830

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-7/16".
- Tools Only.



Representative Image; Contents May Differ

- Contains: 182 Sockets and Accessories, 99 Wrenches, 31 Striking and Struck Tools, 28 Pliers, 32 Screwdrivers, 39 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825, J99835.
- Weight: 192.0 lbs.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5270A	Adapter, Universal Joint 3/8" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J2306	Puller, Cotter Pin Tool
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J95218	Knife, Folding Blade
15-265	Hacksaw, 3-7/8"
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
28-240	Scraper, Flexible Nylon 1-1/4"
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR

(CONTINUED ON NEXT PAGE)

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

411 PC ADVANCED MAINTENANCE TOOL SET (CONTINUED)

Product #: J99830

Contents	Description
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J4780G	Handle, Speed 1/4" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J298	Pliers, Wire Strippers 8-1/4"
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"

Contents	Description
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-540	Scraper, Flexible 1-1/4" Wood Handle
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88393	Screwdriver, Phillips® #0
J88318	Screwdriver, Phillips® #1
J88313	Screwdriver, Phillips® #1
J88328	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4708	Socket, 1/4" DR 1/4" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4706	Socket, 1/4" DR 3/16" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT

Contents	Description
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT

(CONTINUED ON NEXT PAGE)

411 PC ADVANCED MAINTENANCE TOOL SET (CONTINUED)

Product #: J99830

Contents	Description
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J808HD	Wrench, Pipe Heavy-Duty 8"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short

Contents	Description
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6016C	Wrench, Torque 1/2" DR 30-150 ft-lbs

411 PC ADVANCED MAINTENANCE SET WITH ROLLER CABINET J442735-7RD AND TOP CHEST J442719-10RD-D

Product #: J99831

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-7/16".
- Contains: 183 Sockets and Accessories, 99 Wrenches, 31 Striking and Struck Tools, 26 Pliers, 21 Screwdrivers, 51 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825, J99835.
- Weight: 615.0 lbs.







Representative Image; Contents May Differ

411 PC ADVANCED MAINTENANCE SET WITH ROLLER CABINET J442742-7RD AND TOP CHEST J442719-8RD

Product #: J99832

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-7/16".
- Contains: 183 Sockets and Accessories, 99 Wrenches, 31 Striking and Struck Tools, 26 Pliers, 21 Screwdrivers, 51 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825, J99835.
- Weight: 624.0 lbs.







Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

400 PC ADVANCED MAINTENANCE TOOL SET

Product #: J99680

- 400 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/8" - 2-3/8".
- Tools only.
- Contains: 158 Sockets and Accessories, 104 Wrenches, 34 Striking and Struck Tools, 33 Pliers, 30 Screwdrivers, 41 Miscellaneous Tools.
- Sub-sets contained: J99660, J99665, J99675.
- Weight: 297.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5696	Box, Extra Heavy-Duty Set
J95218	Knife, Folding Blade
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5668	Handle, Hinge 3/4" DR 20"
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"

Contents	Description
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J501/2	Punch, Starting 1/4"
J507/16	Punch, Starting 7/32"
J5249	Ratchet, 3/8" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5649	Ratchet, 3/4" DR
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-540	Scraper, Flexible 1-1/4" Wood Handle
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT

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400 PC ADVANCED MAINTENANCE TOOL SET (CONTINUED)

Product #: J99680

Contents	Description
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep

Contents	Description
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3324	Wrench, Angle 3/8"
J3322	Wrench, Angle 11/32"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short

Contents	Description
J1210EF	Wrench, Combination 5/16" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

400 PC ADVANCE MAINTENANCE SET WITH ROLLER CABINET J442742-8RD AND TOP CHEST J442719-12RD-D

Product #: J99681

- 400 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/8" - 2-3/8".
- Contains: 158 Sockets and Accessories, 104 Wrenches, 38 Striking
- and Struck Tools, 30 Pliers, 21 Screwdrivers, 49 Miscellaneous Tools.
- Sub-sets contained: J99660, J99665, J99675.
- Weight: 640.0 lbs.





Representative Image; Contents May Differ

400 PC ADVANCED MAINTENANCE SET WITH ROLLER CABINET J453441-8RD AND TOP CHEST J453427-6RD

Product #: J99682

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/8" - 1-7/16".
- Contains: 183 Sockets and Accessories, 99 Wrenches, 31 Striking and Struck Tools, 26 Pliers, 21 Screwdrivers, 51 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825, J99835.
- Weight: 624.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

271 PC ADVANCED MAINTENANCE TOOL SET

Product #: J99910

- 271 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/4", 2.5 mm - 24 mm.
- Contains: 176 Sockets and Accessories, 57 Wrenches, 3 Striking and Struck Tools, 5 Pliers, 30 Screwdrivers.
- Sub-sets contained: J99900, J99905.
- Weight: 297.1 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8" DR
J1368	Mallet, Rubber
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J291NC	Pliers, Locking Straight 7"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2

(CONTINUED ON NEXT PAGE)

271 PC ADVANCED MAINTENANCE TOOL SET (CONTINUED)

Product #: J99910

Contents	Description
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4708S	Socket, 1/4" DR 1/4" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J4744	Socket, Bit 1/4" DR Slotted 3/16"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"

Contents	Description
J710	Wrench, Adjustable 10"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"

271 PC ADVANCED MAINTENANCE SET WITH ROLLER CABINET J442742-8RD

Product #: J99911

- 271 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/4", 2.5 mm - 24 mm.
- Contains: 176 Sockets and Accessories, 57 Wrenches, 3 Striking and Struck Tools, 5 Pliers, 19 Screwdrivers, 11 Miscellaneous Tools.
- Sub-sets contained: J99900, J99905.
- Weight: 484.0 lbs.





Representative Image; Contents May Differ

271 PC ADVANCED MAINTENANCE SET WITH ROLLER CABINET J453441-8RD

Product #: J99912

- 271 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/4", 2.5 mm - 24 mm.
- Contains: 176 Sockets and Accessories, 57 Wrenches, 3 Striking and Struck Tools, 5 Pliers, 19 Screwdrivers, 11 Miscellaneous Tools.
- Sub-sets contained: J99900, J99905.
- Weight: 606.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

334 PC MASTER ADVANCED MAINTENANCE SET

Product #: JCS-0334MAS

- 334 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 9 mm - 19 mm.
- Tools only.
- Contains: 193 Sockets and Accessories, 44 Wrenches, 30 Striking and Struck Tools, 15 Pliers, 30 Screwdrivers, 22 Miscellaneous Tools.
- Enhanced version of Proto® J99670 Advanced Maintenance Set.
- Weight: 115.0 lbs.



Representative Image; Contents May Differ

(CONTINUED ON NEXT PAGE)

334 PC MASTER ADVANCED MAINTENANCE SET (CONTINUED)

Product #: JCS-0334MAS

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5461	Extension, 1/2" DR 5"
J5460	Extension, 1/2" DR 2-1/2"
J5463	Extension, 1/2" DR 10"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J95218	Knife, Folding Blade
15-265	Hacksaw, 3-7/8"
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J5468	Handle, Hinge 1/2" DR
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J2108	Holder, Punch and Chisel
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J2806SMP	Pliers, 6 PC Mini Set
J291NC	Pliers, Locking Straight 7"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"

Contents	Description
J268G	Pliers, Lineman's with Grip 8-5/8"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J4749	Ratchet, 1/4" DR Standard Length Premium Pear Handle
J5450	Ratchet, 1/2" DR (Long Handle)
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4980	Hex Key, 13 PC Standard Set
J4707	Socket, 1/4" DR 7/32" 6 PT
J4706	Socket, 1/4" DR 3/16" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5206HS	Socket, 3/8" DR 3/16" 6 PT Super Short
J5208HS	Socket, 3/8" DR 1/4" 6 PT Super Short
J5210HS	Socket, 3/8" DR 5/16" 6 PT Super Short
J5212HS	Socket, 3/8" DR 3/8" 6 PT Super Short
J5214HS	Socket, 3/8" DR 7/16" 6 PT Super Short
J5216HS	Socket, 3/8" DR 1/2" 6 PT Super Short
J5218HS	Socket, 3/8" DR 9/16" 6 PT Super Short
J5220HS	Socket, 3/8" DR 5/8" 6 PT Super Short
J5222HS	Socket, 3/8" DR 11/16" 6 PT Super Short
J5224HS	Socket, 3/8" DR 3/4" 6 PT Super Short
J5209MHS	Socket, 3/8" DR 9 mm 6 PT Super Short
J5210MHS	Socket, 3/8" DR 10 mm 6 PT Super Short
J5211MHS	Socket, 3/8" DR 11 mm 6 PT Super Short
J5212MHS	Socket, 3/8" DR 12 mm 6 PT Super Short
J5213MHS	Socket, 3/8" DR 13 mm 6 PT Super Short
J5214MHS	Socket, 3/8" DR 14 mm 6 PT Super Short
J5215MHS	Socket, 3/8" DR 15 mm 6 PT Super Short
J5216MHS	Socket, 3/8" DR 16 mm 6 PT Super Short
J5217MHS	Socket, 3/8" DR 17 mm 6 PT Super Short
J5218MHS	Socket, 3/8" DR 18 mm 6 PT Super Short
J5219MHS	Socket, 3/8" DR 19 mm 6 PT Super Short
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep

Contents	Description
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®

(CONTINUED ON NEXT PAGE)

334 PC MASTER ADVANCED MAINTENANCE SET (CONTINUED)

Product #: JCS-0334MAS

Contents	Description
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
33-725	Tape Rule, FatMax® 1-1/4" x 25'
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J708L	Wrench, Adjustable Clik-Stop® Chrome, 8"
J710L	Wrench, Adjustable Clik-Stop® Chrome, 10"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J810HD	Wrench, Pipe Heavy-Duty 10"
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

334 PC MASTER ADVANCED MAINTENANCE SET WITH ROLLER CABINET J453441-8RD

Product #: JCS-0334MASBX1

- 334 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 9 mm - 19 mm.
- Contains: 197 Sockets and Accessories, 44 Wrenches, 29 Striking
- and Struck Tools, 17 Pliers, 30 Screwdrivers, 17 Miscellaneous Tools.
- Enhanced version of Proto® J99671 Advanced Maintenance Set.
- Weight: 424.0 lbs.





Representative Image; Contents May Differ

334 PC MASTER ADVANCED MAINTENANCE SET WITH ROLLER CABINET J442742-12RD AND TOP CHEST J442719-8RD

Product #: JCS-0334MASBX2

- 334 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1-1/2", 9 mm - 19 mm.
- Contains: 197 Sockets and Accessories, 44 Wrenches, 29 Striking and Struck Tools, 17 Pliers, 30 Screwdrivers, 17 Miscellaneous Tools.
- Enhanced version of Proto® J99672 Advanced Maintenance Set.
- Weight: 424.0 lbs.





Representative Image; Contents May Differ

MODULAR SET 1

Product #: JCS-MAS-1

- Weight: 57.0 lbs.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J404	C-Clamps, Capacity 0"-4", 2 Each
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J1316PD	Hammer, Ball Pein 16 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8 DR
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4708	Socket, 1/4" DR 1/4" 6 PT
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT

Contents	Description
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT

Contents	Description
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J810HD	Wrench, Pipe Heavy-Duty 10"



MODULAR SET 2

Product #: JCS-MAS-2

- Weight: 27.0 lbs.

Contents	Description
J1308PD	Hammer, Ball Pein 8 oz.
J1368	Mallet, Rubber
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9212	Nut Driver, 3/8"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J291NC	Pliers, Locking Straight 7"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm

Contents	Description
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J706	Wrench, Adjustable 6"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3035	Wrench, Open End 11/16" x 3/4"
J3031	Wrench, Open End 5/8" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J814HD	Wrench, Pipe Heavy-Duty 14"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

MODULAR SET 3

Product #: JCS-MAS-3

- Weight: 121.0 lbs.

Contents	Description
J5470A	Adapter, Universal Joint 1/2" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J9523	Extractor, Screw 1/8"
J9521	Extractor, Screw 3/16"
J9522	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9526	Extractor, Screw 15/32"
J9527	Extractor, Screw 9/16"
J9528	Extractor, Screw 21/32"
J9525B	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J1430-HB	Hammer Head
57-532	Hammer, Compo-Cast® 21 oz.
J5468	Handle, Hinge 1/2" DR
J5485	Handle, Sliding T 1/2" DR
J5480G	Handle, Speed 1/2 DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J2373	Mirror, Rectangular Telescoping 2-1/8"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J475/16X1/8	Punch, Pin 1/8"
J471/4X3/32	Punch, Pin 3/32"
J471/2X1/4	Punch, Pin 1/4"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J445/16	Punch, Prick 5/16"

Contents	Description
J501/2	Punch, Starting 1/4"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT

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MODULAR SET 3 (CONTINUED)

Product #: JCS-MAS-3

Contents	Description
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5444A	Socket, 1/2" DR Drag Link 3/4"
10-099	Stanley® Clasic 99® Retractable Blade Utility Knife
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT

Contents	Description
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

MODULAR SET 4

Product #: JCS-MAS-4

› Weight: 93.27 lbs.

Contents	Description
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J1332PD	Hammer, Ball Pein 32 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J5668	Handle, Hinge 3/4" DR 20"
J5685	Handle, Sliding T 3/4" DR
J4780G	Handle, Speed 1/4" DR
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J360A	Pliers, 6 PC Retaining Ring Set
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J2306	Puller, Cotter Pin Tool
J5649	Ratchet, 3/4" DR
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J322	Snips, Straight 12-3/4"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5446A	Socket, 1/2" DR Drag Link
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT

Contents	Description
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J715	Wrench, Adjustable 15"
J3315	Wrench, Angle 15/64"
J3314	Wrench, Angle 7/32"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J801	Wrench, Chain
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT

MODULAR SET 5

Product #: JCS-MAS-5

- Weight: 53.12 lbs.

Contents	Description
J60002	Bit, Insert #1 Phillips® 1/4" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60008	Bit, Insert #2 Phillips® 1/4" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60020	Bit, Insert #3 Phillips® 1/4" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60202	Bit, Insert 3/16" Slotted 1/4" Hex
J60208	Bit, Insert 9/32" Slotted 1/4" Hex
J60256	Bit, Insert 10F-12R Slot 5/16" Hex
J60262	Bit, Insert 14F-16R Slot 5/16" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J7099	Impact, Hand Driver 3/8"
J9204M	Nut Driver, 4 mm
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J9211M	Nut Driver, 11 mm
J9213M	Nut Driver, 13 mm
J9214M	Nut Driver, 14 mm
J4331N	Puller, Nut Hex
J4333N	Puller, Nut Hex
J4333AR	Puller, Rod Threader 3/4"-1"
J4331R	Puller, Screw Cap
J4331P	Puller, Separator Plate
J4333P	Puller, Separator Plate
J4040-1	Puller, Step Plate 3/4"
J4040-2	Puller, Step Plate 7/8"
J4040-3	Puller, Step Plate 1"
J4040-4	Puller, Step Plate 1-1/8"
J4040-5	Puller, Step Plate 1-1/4"
J4040-6	Puller, Step Plate 1-3/8"
J4040-7	Puller, Step Plate 1-1/2"
J4040-8	Puller, Step Plate 1-5/8"
J4040-9	Puller, Step Plate 1-3/4"
J4040-10	Puller, Step Plate 1-7/8"
J4040-11	Puller, Step Plate 2"
28-540	Scraper, Flexible 1-1/4" Wood Handle
J69X12	Socket, Extractor 3/8"
J4770TA	Socket, Universal 1/4" DR 7/32" 12 PT
J4777TA	Socket, Universal 1/4" DR 9/32" 12 PT
J4778TA	Socket, Universal 1/4" DR 11/32" 12 PT
J4776TA	Socket, Universal 1/4" DR 9/16" 12 PT
J4775TA	Socket, Universal 1/4" DR 1/2" 12 PT
J5273HA	Socket, Universal 3/8" DR 3/8" 6 PT
J5274HA	Socket, Universal 3/8" DR 7/16" 6 PT
J5275HA	Socket, Universal 3/8" DR 1/2" 6 PT
J5276HA	Socket, Universal 3/8" DR 9/16" 6 PT
J5277HA	Socket, Universal 3/8" DR 5/8" 6 PT
J5278HA	Socket, Universal 3/8" DR 11/16" 6 PT

Contents	Description
J5279HA	Socket, Universal 3/8" DR 3/4" 6 PT
J5273HAM	Socket, Universal 3/8" DR 10 mm 6 PT
J5274HAM	Socket, Universal 3/8" DR 11 mm 6 PT
J5275HAM	Socket, Universal 3/8" DR 12 mm 6 PT
J5276HAM	Socket, Universal 3/8" DR 13 mm 6 PT
J5277HAM	Socket, Universal 3/8" DR 14 mm 6 PT
J5278HAM	Socket, Universal 3/8" DR 15 mm 6 PT
J5279HAM	Socket, Universal 3/8" DR 16 mm 6 PT
J5280HAM	Socket, Universal 3/8" DR 17 mm 6 PT
J5281HAM	Socket, Universal 3/8" DR 18 mm 6 PT
J5282HAM	Socket, Universal 3/8" DR 19 mm 6 PT
J69X09	Socket, Extractor 1/4" DR 7 mm
J69X10	Socket, Extractor 1/4" DR 8 mm
J69X11	Socket, Extractor 1/4" DR 9 mm
J69X13	Socket, Extractor 1/4" DR 10 mm
J69X14	Socket, Extractor 1/4" DR 11 mm
J69X15	Socket, Extractor 1/4" DR 12 mm
J69X16	Socket, Extractor 1/4" DR 13 mm
J69X18	Socket, Extractor 1/4" DR 14 mm
J69X20	Socket, Extractor 1/4" DR 15 mm
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT
J7209H	Socket, Impact 3/8" DR 9/32" 6 PT
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT
J7211H	Socket, Impact 3/8" DR 11/32" 6 PT
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT
J7226H	Socket, Impact 3/8" DR 13/16" 6 PT
J7228H	Socket, Impact 3/8" DR 7/8" 6 PT
J7230H	Socket, Impact 3/8" DR 15/16" 6 PT
J7232H	Socket, Impact 3/8" DR 1" 6 PT
68-768	Tap and Die, 76 PC Set
J350	Tubing Cutter
J351	Tubing Flaring Tool
J3112	Wrench, Angle 3/8"
J3114	Wrench, Angle 7/16"
J3116	Wrench, Angle 1/2"
J3118	Wrench, Angle 9/16"
J3120	Wrench, Angle 5/8"
J3122	Wrench, Angle 11/16"
J3124	Wrench, Angle 3/4"
J3126	Wrench, Angle 13/16"
J3128	Wrench, Angle 7/8"
J3130	Wrench, Angle 15/16"
J3132	Wrench, Angle 1"
J3134	Wrench, Angle 1-1/16"
J3136	Wrench, Angle 1-1/8"
J3140	Wrench, Angle 1-1/4"
J3109M	Wrench, Angle 9 mm
J3110M	Wrench, Angle 10 mm

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J3111M	Wrench, Angle 11 mm
J3112M	Wrench, Angle 12 mm
J3113M	Wrench, Angle 13 mm
J3114M	Wrench, Angle 14 mm
J3115M	Wrench, Angle 15 mm
J3116M	Wrench, Angle 16 mm
J3117M	Wrench, Angle 17 mm
J3118M	Wrench, Angle 18 mm
J3119M	Wrench, Angle 19 mm
J5336FL	Wrench, Crowfoot 1/2" DR 1-1/8"
J5338FL	Wrench, Crowfoot 1/2" DR 1-3/16"

Contents	Description
J5340FL	Wrench, Crowfoot 1/2" DR 1-1/4"
J5342FL	Wrench, Crowfoot 1/2" DR 1-5/16"
J5344FL	Wrench, Crowfoot 1/2" DR 1-3/8"
J5346FL	Wrench, Crowfoot 1/2" DR 1-7/16"
J5348FL	Wrench, Crowfoot 1/2" DR 1-1/2"
J5350FL	Wrench, Crowfoot 1/2" DR 1-9/16"
J5352FL	Wrench, Crowfoot 1/2" DR 1-5/8"
J5354FL	Wrench, Crowfoot 1/2" DR 1-11/16"
J5356FL	Wrench, Crowfoot 1/2" DR 1-3/4"
J5358FL	Wrench, Crowfoot 1/2" DR 1-13/16"
J5360FL	Wrench, Crowfoot 1/2" DR 1-7/8"

MODULAR SET 6

Product #: JCS-MAS-6

- Weight: 53.12 lbs.

Contents	Description
J2142	Bar, Pry Aligning 18"
J2146	Bar, Pry Aligning 28"
J61906	Bit, 38 PC Insert Set
J9969-NA	Box, General Purpose with Tray
J404	C-Clamps, Capacity 0"-4", 2 Each
J4761L	Extension, Locking 1/4" DR 6"
J5260-06L	Extension, Locking 3/8" DR 6"
J5463L	Extension, Locking 1/2" DR 10"
J7180P	Extension, Impact 1/2" DR 2"
J7181P	Extension, Impact 1/2" DR 5"
J4760W	Extension, Wobble 1/4" DR 3"
J5261W	Extension, Wobble 3/8" DR 8"
J5460W	Extension, Wobble 1/2" DR 2"
J000D	Feeler Gauge, 10 Blade Ignition Set
J2302	File, Ignition PT
JSF150	Hammer, Soft Face without Tip 1 lb
JSF15XH	Hammer, Tip 1-1/2" Extra Hard
JSF15H	Hammer, Tip 1-1/2" Hard
JSF15M	Hammer, Tip 1-1/2" Medium
JSF15MH	Hammer, Tip 1-1/2" Medium H
JSF15S	Hammer, Tip 1-1/2" Soft
JSF15SS	Hammer, Tip 1-1/2" Super SO
JSF15T	Hammer, Tip 1-1/2" Tough
10-189C	Knife, Self-Retracting Utility
42-465	Level, Aluminum Torpedo Level (Mag)
J2371	Mirror, Inspect Oval 1" x 2"
82-115	Pick and Hook, 4 PC Set
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J235	Pliers, Ignition with Grip 4-1/16"
J4209JB	Puller, 6 Ton Jaw Block
J4210RJ	Puller, 6 Ton Jaw Reversible
J4229JB	Puller, 10 Ton Jaw Block
J4280B	Puller, Blind Bearing Coll
J4280S	Puller, Blind Bearing Screw
J4005C	Puller, Cap Screw
J4028	Puller, Cap Screw
J4226CA	Puller, Crossarm 2 Way
J4227CA	Puller, Crossarm 3 Way
J4208CA	Puller, Crossarm 6 Ton 2 Way
J4260R	Puller, Handle T-Rod Acme
J4026A	Puller, Jaw 6 Ton
J4027	Puller, Jaw 6 Ton Narrow
J4018	Puller, Jaw 10 Ton Cap Screw
J4016A	Puller, Jaw 10 Ton Dual-Reach
J4017	Puller, Jaw 10 Ton Narrow
J4230RJ	Puller, Jaw 10 Ton Reversible
J4209LS	Puller, Jaw Block Lock Screw
J4229LS	Puller, Jaw Block Lock Screw
J4056-2	Puller, Jaw Inside 2 Reach
J4256S	Puller, Jaw Inside Hook
J4056-4	Puller, Jaw Reversible 4 R
J4056-6	Puller, Jaw Reversible 6 R
J4250N	Puller, Nut Adjustable Reversible
J4331N	Puller, Nut Hex

Contents	Description
J4333N	Puller, Nut Hex
J4056PN	Puller, Pin Pivot
J4277B	Puller, Rear Axle Flange F
J4275R	Puller, Rod Slide Acme Threader
J4333AR	Puller, Rod Threader 3/4"-1"
J4205E	Puller, Screw Cap
J4331R	Puller, Screw Cap
J4205S	Puller, Screw Forcing Acme
J4225S	Puller, Screw Forcing Acme
J4331P	Puller, Separator Plate
J4333P	Puller, Separator Plate
J4260H	Puller, Slide Hammer 2-1/2"
J4055H	Puller, Slide Hammer 5 lbs.
J4205B	Puller, Slotted Cross Arm
J4206SC	Puller, Slotted Cross Arm
J4011S	Puller, Spring Clip
J4021S	Puller, Spring Clip
J4040-1	Puller, Step Plate 3/4"
J4040-2	Puller, Step Plate 7/8"
J4040-3	Puller, Step Plate 1"
J4040-4	Puller, Step Plate 1-1/8"
J4040-5	Puller, Step Plate 1-1/4"
J4040-6	Puller, Step Plate 1-3/8"
J4040-7	Puller, Step Plate 1-1/2"
J4040-8	Puller, Step Plate 1-5/8"
J4040-9	Puller, Step Plate 1-3/4"
J4040-10	Puller, Step Plate 1-7/8"
J4040-11	Puller, Step Plate 2"
J4040-12	Puller, Step Plate 2-1/8"
J4040-13	Puller, Step Plate 2-1/4"
J4040-14	Puller, Step Plate 2-3/8"
J4012T	Puller, Tip Detachable
J4022T	Puller, Tip Detachable Standard
J4250B	Puller, Yoke 2 Way Acme Th
J4255B	Puller, Yoke 3 Way Jaw ACM
J2338	Scapers, Gasket and Carbon
J9853	Screw Starter, Standard Tip
66-039	Screwdriver, 6 PC Stanley® Jewelers Precision Set
66-101	Screwdriver, Stanley® 100 Plus® Standard Slotted Tip Pocket 1/8" x 2"
J9320	Set, 11 PC Screwdriver Magnetic Ratchet
J334	Snip, Combination 14"
J307	Snip, Duckbill 7"
J7412H	Socket, Impact 1/2" DR 3/8" 6 PT
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT
J7432H	Socket, Impact 1/2" DR 1" 6 PT
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT
J7438H	Socket, Impact 1/2" DR 1-3/16" 6 PT
J7440H	Socket, Impact 1/2" DR 1-1/4" 6 PT
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT
J7420M	Socket, Impact 1/2" DR 20 mm 6 PT
J7421M	Socket, Impact 1/2" DR 21 mm 6 PT
J7422M	Socket, Impact 1/2" DR 22 mm 6 PT
J7423M	Socket, Impact 1/2" DR 23 mm 6 PT
J7424M	Socket, Impact 1/2" DR 24 mm 6 PT
J7312H	Socket, Impact 1/2" DR 3/8" 6 PT Deep
J7314H	Socket, Impact 1/2" DR 7/16" 6 PT Deep
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep
J7338H	Socket, Impact 1/2" DR 1-3/16" 6 PT Deep
J7340H	Socket, Impact 1/2" DR 1-1/4" 6 PT Deep
J7342H	Socket, Impact 1/2" DR 1-5/16" 6 PT Deep
J7344H	Socket, Impact 1/2" DR 1-3/8" 6 PT Deep
J7346H	Socket, Impact 1/2" DR 1-7/16" 6 PT Deep
J7348H	Socket, Impact 1/2" DR 1-1/2" 6 PT Deep
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep

Contents	Description
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep
J07512	Socket, Impact 3/4" DR 3/4" 6 PT
J07513	Socket, Impact 3/4" DR 13/16" 6 PT
J07514	Socket, Impact 3/4" DR 7/8" 6 PT
J07515	Socket, Impact 3/4" DR 15/16" 6 PT
J07516	Socket, Impact 3/4" DR 1" 6 PT
J07517	Socket, Impact 3/4" DR 1-1/16" 6 PT
J07518	Socket, Impact 3/4" DR 1-1/8" 6 PT
J07520	Socket, Impact 3/4" DR 1-1/4" 6 PT
J07519	Socket, Impact 3/4" DR 1-3/16" 6 PT
J07521	Socket, Impact 3/4" DR 1-5/16" 6 PT
J74411/4	Socket, Impact Hex Bit 1/2" DR 1/4"
J74415/16	Socket, Impact Hex Bit 1/2" DR 5/16"
J74413/8	Socket, Impact Hex Bit 1/2" DR 3/8"
J74417/16	Socket, Impact Hex Bit 1/2" DR 7/16"
J74411/2	Socket, Impact Hex Bit 1/2" DR 1/2"
J74419/16	Socket, Impact Hex Bit 1/2" DR 9/16"
J74415/8	Socket, Impact Hex Bit 1/2" DR 5/8"
55-515	Wonder Bar® 13-3/8"
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J5330CF	Wrench, Open End Crowfoot 1/2" DR 15/16"
J5332CF	Wrench, Open End Crowfoot 1/2" DR 1"
J5334CF	Wrench, Open End Crowfoot 1/2" DR 1-1/16"
J5336CF	Wrench, Open End Crowfoot 1/2" DR 1-1/8"
J5338CF	Wrench, Open End Crowfoot 1/2" DR 1-3/16"
J5340CF	Wrench, Open End Crowfoot 1/2" DR 1-1/4"
J5342CF	Wrench, Open End Crowfoot 1/2" DR 1-5/16"
J5344CF	Wrench, Open End Crowfoot 1/2" DR 1-3/8"
J5346CF	Wrench, Open End Crowfoot 1/2" DR 1-7/16"
J5348CF	Wrench, Open End Crowfoot 1/2" DR 1-1/2"
J5350CF	Wrench, Open End Crowfoot 1/2" DR 1-9/16"
J5352CF	Wrench, Open End Crowfoot 1/2" DR 1-5/8"
J5354CF	Wrench, Open End Crowfoot 1/2" DR 1-11/16"
J5356CF	Wrench, Open End Crowfoot 1/2" DR 1-3/4"
J5358CF	Wrench, Open End Crowfoot 1/2" DR 1-13/16"
J5360CF	Wrench, Open End Crowfoot 1/2" DR 1-7/8"

MODULAR SET 7

Product #: JCS-MAS-7

- Weight: 109.87 lbs.

Contents	Description
J77270P	Adapter, Universal Joint 3/8" DR
J74470P	Adapter, Universal Joint 1/2" DR
J406	C-Clamp, 0-6
J4759L	Extension, Locking 1/4" DR 2"
J5262L	Extension, Locking 3/8" DR 12"
J5461L	Extension, Locking 1/2" DR 5"
J4759W	Extension, Wobble 1/4" DR 2"
J5461W	Extension, Wobble 1/2" DR 5"
J5463W	Extension, Wobble 1/2" DR 10"
J000AA	Feeler Gauge, 25 Blade Master Set
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
57-531	Hammer, Compo-Cast® Mallet 18 oz.
57-541	Hammer, Compo-Cast® Soft Face 14 oz.
57-543	Hammer, Compo-Cast® Soft Face 21 oz.
JSF250	Hammer, Soft-Face without Tips
JSF25XH	Hammer, Tip 2-1/2" Extra Hard
JSF25H	Hammer, Tip 2-1/2" Hard
JSF25M	Hammer, Tip 2-1/2" Medium
JSF25MH	Hammer, Tip 2-1/2" Medium Hard
JSF25T	Hammer, Tip 2-1/2" Tough
J4969	Hex Key, 6 PC Metric T-Handle Set
J4968	Hex Key, 11 PC Standard T-Handle Set
J2806SMP	Pliers, 6 PC Mini Set
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head
J5450XL	Ratchet, 1/2" DR Long Handle Pear Head
J5250XL	Ratchet, 3/8" DR Long Handle Pear Head
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head
J9300MS	Screwdriver, Magnetic Bit Holder
J88510	Screwdriver, Torx® T10
J88515	Screwdriver, Torx® T15
J88520	Screwdriver, Torx® T20
J88525	Screwdriver, Torx® T25
J88527	Screwdriver, Torx® T27
J88530	Screwdriver, Torx® T30
J88540	Screwdriver, Torx® T40
J303L	Snip, Aviation Left
J303R	Snip, Aviation Right
J4705	Socket, 1/4" DR 5/32" 6 PT
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep
J5208H	Socket, 3/8" DR 1/4" 6 PT
J5206H	Socket, 3/8" DR 3/16" 6 PT

Contents	Description
J5210H	Socket, 3/8" DR 5/16" 6 PT
J5212H	Socket, 3/8" DR 3/8" 6 PT
J5214H	Socket, 3/8" DR 7/16" 6 PT
J5216H	Socket, 3/8" DR 1/2" 6 PT
J5218H	Socket, 3/8" DR 9/16" 6 PT
J5220H	Socket, 3/8" DR 5/8" 6 PT
J5222H	Socket, 3/8" DR 11/16" 6 PT
J5224H	Socket, 3/8" DR 3/4" 6 PT
J5226H	Socket, 3/8" DR 13/16" 6 PT
J5228H	Socket, 3/8" DR 7/8" 6 PT
J5230H	Socket, 3/8" DR 15/16" 6 PT
J5232H	Socket, 3/8" DR 1" 6 PT
J5221MH	Socket, 3/8" DR 21 mm 6 PT
J5222MH	Socket, 3/8" DR 22 mm 6 PT
J5223MH	Socket, 3/8" DR 23 mm 6 PT
J5224MH	Socket, 3/8" DR 24 mm 6 PT
J5225MH	Socket, 3/8" DR 25 mm 6 PT
J5226MH	Socket, 3/8" DR 26 mm 6 PT
J5008H	Socket, 3/8" DR 1/4" 6 PT Deep
J5010H	Socket, 3/8" DR 5/16" 6 PT Deep
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep
J5030H	Socket, 3/8" DR 15/16" 6 PT Deep
J5032H	Socket, 3/8" DR 1" 6 PT Deep
J5206HS	Socket, 3/8" DR 3/16" 6 PT Super Short
J5208HS	Socket, 3/8" DR 1/4" 6 PT Super Short
J5210HS	Socket, 3/8" DR 5/16" 6 PT Super Short
J5212HS	Socket, 3/8" DR 3/8" 6 PT Super Short
J5214HS	Socket, 3/8" DR 7/16" 6 PT Super Short
J5216HS	Socket, 3/8" DR 1/2" 6 PT Super Short
J5218HS	Socket, 3/8" DR 9/16" 6 PT Super Short
J5220HS	Socket, 3/8" DR 5/8" 6 PT Super Short
J5222HS	Socket, 3/8" DR 11/16" 6 PT Super Short
J5224HS	Socket, 3/8" DR 3/4" 6 PT Super Short
J5209MHS	Socket, 3/8" DR 9 mm 6 PT Super Short
J5210MHS	Socket, 3/8" DR 10 mm 6 PT Super Short
J5211MHS	Socket, 3/8" DR 11 mm 6 PT Super Short
J5212MHS	Socket, 3/8" DR 12 mm 6 PT Super Short
J5213MHS	Socket, 3/8" DR 13 mm 6 PT Super Short
J5214MHS	Socket, 3/8" DR 14 mm 6 PT Super Short
J5215MHS	Socket, 3/8" DR 15 mm 6 PT Super Short
J5216MHS	Socket, 3/8" DR 16 mm 6 PT Super Short
J5217MHS	Socket, 3/8" DR 17 mm 6 PT Super Short
J5218MHS	Socket, 3/8" DR 18 mm 6 PT Super Short
J5219MHS	Socket, 3/8" DR 19 mm 6 PT Super Short
J5221M	Socket, 3/8" DR 21 mm 12 PT
J5222M	Socket, 3/8" DR 22 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5223M	Socket, 3/8" DR 23 mm 12 PT
J5224M	Socket, 3/8" DR 24 mm 12 PT
J5225M	Socket, 3/8" DR 25 mm 12 PT
J5226M	Socket, 3/8" DR 26 mm 12 PT
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep
J5021M	Socket, 3/8" DR 21 mm 12 PT Deep
J5022M	Socket, 3/8" DR 22 mm 12 PT Deep
J5023M	Socket, 3/8" DR 23 mm 12 PT Deep
J5412H	Socket, 1/2" DR 3/8" 6 PT
J5414H	Socket, 1/2" DR 7/16" 6 PT
J5416H	Socket, 1/2" DR 1/2" 6 PT
J5418H	Socket, 1/2" DR 9/16" 6 PT
J5420H	Socket, 1/2" DR 5/8" 6 PT
J5422H	Socket, 1/2" DR 11/16" 6 PT
J5424H	Socket, 1/2" DR 3/4" 6 PT
J5426H	Socket, 1/2" DR 13/16" 6 PT
J5428H	Socket, 1/2" DR 7/8" 6 PT
J5430H	Socket, 1/2" DR 15/16" 6 PT
J5432H	Socket, 1/2" DR 1" 6 PT
J5434H	Socket, 1/2" DR 1-1/16" 6 PT
J5436H	Socket, 1/2" DR 1-1/8" 6 PT
J5438H	Socket, 1/2" DR 1-3/16" 6 PT
J5440H	Socket, 1/2" DR 1-1/4" 6 PT
J5312H	Socket, 1/2" DR 3/8" 6 PT Deep
J5314H	Socket, 1/2" DR 7/16" 6 PT Deep
J5316H	Socket, 1/2" DR 1/2" 6 PT Deep
J5318H	Socket, 1/2" DR 9/16" 6 PT Deep
J5320H	Socket, 1/2" DR 5/8" 6 PT Deep
J5322H	Socket, 1/2" DR 11/16" 6 PT Deep
J5324H	Socket, 1/2" DR 3/4" 6 PT Deep
J5326H	Socket, 1/2" DR 13/16" 6 PT Deep
J5328H	Socket, 1/2" DR 7/8" 6 PT Deep
J5330H	Socket, 1/2" DR 15/16" 6 PT Deep
J5332H	Socket, 1/2" DR 1" 6 PT Deep
J5334H	Socket, 1/2" DR 1-1/16" 6 PT Deep
J5336H	Socket, 1/2" DR 1-1/8" 6 PT Deep
J5338H	Socket, 1/2" DR 1-3/16" 6 PT Deep
J5340H	Socket, 1/2" DR 1-1/4" 6 PT Deep
J5342H	Socket, 1/2" DR 1-5/16" 6 PT Deep
J5344H	Socket, 1/2" DR 1-3/8" 6 PT Deep
J5346H	Socket, 1/2" DR 1-7/16" 6 PT Deep
J5348H	Socket, 1/2" DR 1-1/2" 6 PT Deep
J4739-10W	Socket, Bit 1/4" DR T10 Torx®
J4739-15W	Socket, Bit 1/4" DR T15 Torx®
J4739-20W	Socket, Bit 1/4" DR T20 Torx®
J4739-25W	Socket, Bit 1/4" DR T25 Torx®
J4739-27W	Socket, Bit 1/4" DR T27 Torx®
J4739-30W	Socket, Bit 1/4" DR T30 Torx®
J5239-20W	Socket, Bit 3/8" DR T20 Torx®
J5239-15W	Socket, Bit 3/8" DR T15 Torx®
J5239-25W	Socket, Bit 3/8" DR T25 Torx®
J5239-27W	Socket, Bit 3/8" DR T27 Torx®
J5239-30W	Socket, Bit 3/8" DR T30 Torx®
J5239-40W	Socket, Bit 3/8" DR T40 Torx®
J5239-45W	Socket, Bit 3/8" DR T45 Torx®
J5239-50W	Socket, Bit 3/8" DR T50 Torx®
J4990-4MXL	Socket, Hex Bit 3/8" DR 4 mm X-Long
J4990-5MXL	Socket, Hex Bit 3/8" DR 5 mm X-Long

Contents	Description
J4990-6MXL	Socket, Hex Bit 3/8" DR 6 mm X-Long
J4990-7MXL	Socket, Hex Bit 3/8" DR 7 mm X-Long
J4990-8MXL	Socket, Hex Bit 3/8" DR 8 mm X-Long
J4990-10MXL	Socket, Hex Bit 3/8" DR 10 mm X-Long
J54411/4XL	Socket, Hex Bit 1/2" DR 1/4" X-Long
J54415/16XL	Socket, Hex Bit 1/2" DR 5/16" X-Long
J54413/8XL	Socket, Hex Bit 1/2" DR 3/8" X-Long
J54411/2XL	Socket, Hex Bit 1/2" DR 1/2" X-Long
J54419/16XL	Socket, Hex Bit 1/2" DR 9/16" X-Long
J54415/8XL	Socket, Hex Bit 1/2" DR 5/8" X-Long
J7316HT	Socket, Impact 1/2" DR 1/2" Thin Wall
J7318HT	Socket, Impact 1/2" DR 9/16" Thin Wall
J7320HT	Socket, Impact 1/2" DR 5/8" Thin Wall
J7322HT	Socket, Impact 1/2" DR 11/16" Thin Wall
J7324HT	Socket, Impact 1/2" DR 3/4" Thin Wall
J7326HT	Socket, Impact 1/2" DR 13/16" Thin Wall
J7328HT	Socket, Impact 1/2" DR 7/8" Thin Wall
J7330HT	Socket, Impact 1/2" DR 15/16" Thin Wall
J7332HT	Socket, Impact 1/2" DR 1" Thin Wall
J7334HT	Socket, Impact 1/2" DR 1-1/16" Thin Wall
J7336HT	Socket, Impact 1/2" DR 1-1/8" Thin Wall
J7338HT	Socket, Impact 1/2" DR 1-3/16" Thin Wall
J7340HT	Socket, Impact 1/2" DR 1-1/4" Thin Wall
J7314MHT	Socket, Impact 1/2" DR 14 mm Thin Wall
J7315MHT	Socket, Impact 1/2" DR 15 mm Thin Wall
J7316MHT	Socket, Impact 1/2" DR 16 mm Thin Wall
J7317MHT	Socket, Impact 1/2" DR 17 mm Thin Wall
J7318MHT	Socket, Impact 1/2" DR 18 mm Thin Wall
J7319MHT	Socket, Impact 1/2" DR 19 mm Thin Wall
J7320MHT	Socket, Impact 1/2" DR 20 mm Thin Wall
J7321MHT	Socket, Impact 1/2" DR 21 mm Thin Wall
J7322MHT	Socket, Impact 1/2" DR 22 mm Thin Wall
J7323MHT	Socket, Impact 1/2" DR 23 mm Thin Wall
J7324MHT	Socket, Impact 1/2" DR 24 mm Thin Wall
J7312HT	Socket, Impact 1/2" DR 3/8" Deep Thin Wall
J7314HT	Socket, Impact 1/2" DR 7/16" Deep Thin Wall
J7008MHT	Socket, Impact 3/8" DR 8 mm Deep Thin Wall
J7009MHT	Socket, Impact 3/8" DR 9 mm Deep Thin Wall
J7310MHT	Socket, Impact 1/2" DR 10 mm Deep Thin Wall
J7311MHT	Socket, Impact 1/2" DR 11 mm Deep Thin Wall
J7312MHT	Socket, Impact 1/2" DR 12 mm Deep Thin Wall
J7313MHT	Socket, Impact 1/2" DR 13 mm Deep Thin Wall
J7010MHT	Socket, Impact 3/8" DR 10 mm Deep Thin Wall
J7011MHT	Socket, Impact 3/8" DR 11 mm Deep Thin Wall
J7012MHT	Socket, Impact 3/8" DR 12 mm Deep Thin Wall
J7013MHT	Socket, Impact 3/8" DR 13 mm Deep Thin Wall
J7014MHT	Socket, Impact 3/8" DR 14 mm Deep Thin Wall
J7015MHT	Socket, Impact 3/8" DR 15 mm Deep Thin Wall
J7016MHT	Socket, Impact 3/8" DR 16 mm Deep Thin Wall
J7017MHT	Socket, Impact 3/8" DR 17 mm Deep Thin Wall
J7018MHT	Socket, Impact 3/8" DR 18 mm Deep Thin Wall
J7019MHT	Socket, Impact 3/8" DR 19 mm Deep Thin Wall
J7708HT	Socket, Impact 3/8" DR 1/4" Deep Thin Wall
J7710HT	Socket, Impact 3/8" DR 5/16" Deep Thin Wall
J7712HT	Socket, Impact 3/8" DR 3/8" Deep Thin Wall
J7714HT	Socket, Impact 3/8" DR 7/16" Deep Thin Wall
J7716HT	Socket, Impact 3/8" DR 1/2" Deep Thin Wall
J7718HT	Socket, Impact 3/8" DR 9/16" Deep Thin Wall

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MODULAR SET 7 (CONTINUED)

Product #: JCS-MAS-7

Contents	Description
J7720HT	Socket, Impact 3/8" DR 5/8" Deep Thin Wall
J7722HT	Socket, Impact 3/8" DR 11/16" Deep Thin Wall
J7724HT	Socket, Impact 3/8" DR 3/4" Deep Thin Wall
J48055AM	Socket, Universal 1/4" DR 5.5 mm 6 PT
J4805AM	Socket, Universal 1/4" DR 5 mm 6 PT
J4806AM	Socket, Universal 1/4" DR 6 mm 6 PT
J4807AM	Socket, Universal 1/4" DR 7 mm 6 PT
J4808AM	Socket, Universal 1/4" DR 8 mm 6 PT
J4809AM	Socket, Universal 1/4" DR 9 mm 6 PT
J4810AM	Socket, Universal 1/4" DR 10 mm 6 PT
J4811AM	Socket, Universal 1/4" DR 11 mm 6 PT
J4812AM	Socket, Universal 1/4" DR 12 mm 6 PT
J4813AM	Socket, Universal 1/4" DR 13 mm 6 PT
J4814AM	Socket, Universal 1/4" DR 14 mm 6 PT
J5281AM	Socket, Universal 3/8" DR 18 mm 12 PT
J5282AM	Socket, Universal 3/8" DR 19 mm 12 PT

Contents	Description
J4815AM	Socket, Universal 1/4" DR 15 mm 6 PT
J5270HAM	Socket, Universal 3/8" DR 7 mm 6 PT
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
TR250	Stapler / Brad Nailer, Heavy-Duty Aluminum
TRA706T	Staples, Heavy-Duty 3/8" - 1,000 Pack
33-725	Tape Rule, FatMax® 1-1/4" x 25'
J5362FL	Wrench, Crowfoot 1/2" DR 1-15/16"
J5364FL	Wrench, Crowfoot 1/2" DR 2"
J5364CF	Wrench, Open End Crowfoot 1/2" DR 2"
J5368CF	Wrench, Open End Crowfoot 1/2" DR 2-1/8"
J5372CF	Wrench, Open End Crowfoot 1/2" DR 2-1/4"
J5376CF	Wrench, Open End Crowfoot 1/2" DR 2-3/8"
J5378CF	Wrench, Open End Crowfoot 1/2" DR 2-7/16"
J5380CF	Wrench, Open End Crowfoot 1/2" DR 2-1/2"
J6064C	Wrench, Torque 3/8" DR 40-200 in-lbs

MODULAR SET FOR JCS-0613MAS

Product #: JCS-MOD613

- Weight: 9.72 lbs.

Contents	Description
J404	C-Clamps, Capacity 0"-4", 2 Each
15-265	Hacksaw, 3-7/8"
J4749	Ratchet, 1/4" DR

Contents	Description
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)

MODULAR SET FOR JCS-0833MAS

Product #: JCS-MOD833

- Weight: 40.78 lbs.

Contents	Description
9000-10	Bit, 1/4" x 1"
9000-8	Bit, for P1 1/4" x 1"
9000-9	Bit, for P2 1/4" x 1"
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
9000-6	Bit, Insert Slotted 3/16" #4
9000-7	Bit, Insert Slotted 1/4" x 7/8"
9000-11	Bit, Insert Slotted 5/16" x 1-1/2"
9000-12	Bit, Insert Slotted 5/16" x 1-1/2"
J4019	Box, Puller Set
15-265	Hacksaw, 3-7/8"
J4209JB	Puller, 6 Ton Jaw Block
J4210RJ	Puller, 6 Ton Jaw Reversible
J4229JB	Puller, 10 Ton Jaw Block
J4280B	Puller, Blind Bearing Coll
J4208CA	Puller, Crossarm 6 Ton 2 Way
J4227CA	Puller, Crossarm 3 Way
J4260R	Puller, Handle T-Rod Acme
J4230RJ	Puller, Jaw 10 Ton Reversible
J4209LS	Puller, Jaw Block Lock Screw
J4229LS	Puller, Jaw Block Lock Screw

Contents	Description
J4056PN	Puller, Pin Pivot
J4275R	Puller, Rod Slide Acme Threader
J4205S	Puller, Screw Forcing Acme
J4225S	Puller, Screw Forcing Acme
J4260H	Puller, Slide Hammer 2-1/2"
J4055H	Puller, Slide Hammer 5 lbs.
J4012T	Puller, Tip Detachable
J4022T	Puller, Tip Detachable Standard
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep

MODULAR SET FOR JCS-1046MAS

Product #: JCSMOD1046

- Weight: 10.2 lbs.

Contents	Description
9000-10	Bit, 1/4" x 1"
9000-8	Bit, for P1 1/4" x 1"
9000-9	Bit, for P2 1/4" x 1"
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
9000-6	Bit, Insert Slotted 3/16" #4
9000-7	Bit, Insert Slotted 1/4" x 7/8"
9000-11	Bit, Insert Slotted 5/16" x 1-1/2"
9000-12	Bit, Insert Slotted 5/16" x 1-1/2"
15-265	Hacksaw, 3-7/8"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep

Contents	Description
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep
J4708CF	Wrench, Crowfoot 1/4" DR 1/4" Open End
J4710CF	Wrench, Crowfoot 1/4" DR 5/16" Open End
J4712CF	Wrench, Crowfoot 1/4" DR 3/8" Open End
J4714CF	Wrench, Crowfoot 1/4" DR 7/16" Open End
J4716CF	Wrench, Crowfoot 1/4" DR 1/2" Open End
J4718CF	Wrench, Crowfoot 1/4" DR 9/16" Open End
J4930CF	Wrench, Crowfoot 3/8" DR 15/16" Open End
J4932CF	Wrench, Crowfoot 3/8" DR 1" Open End

453 PC INTERMEDIATE TOOL SET

Product #: J99720

- 453 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2-3/8".
- Tools only.
- Contains: 212 Sockets and Accessories, 105 Wrenches, 34 Striking and Struck Tools, 32 Pliers, 32 Screwdrivers, 38 Miscellaneous Tools.
- Weight: 280.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J5670	Adapter, Universal Joint 3/4" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J47707/64	Bit, 1/4" DR 7/64" Hex
J404	C-Clamps, Capacity 0"-4", 2 Each
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5696	Box, Extra Heavy-Duty Set
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"

Contents	Description
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5485	Handle, Sliding T 1/2" DR
J5685	Handle, Sliding T 3/4" DR
J4780G	Handle, Speed 1/4" DR
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J308	Miniature Snips
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"

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453 PC INTERMEDIATE TOOL SET (CONTINUED)

Product #: J99720

Contents	Description
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5447	Ratchet Adapter 1/2" DR 2-21/32"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5649	Ratchet, 3/4" DR
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
28-540	Scraper, Flexible 1-1/4" Wood Handle
J2336	Scapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT

Contents	Description
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT

Contents	Description
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5446A	Socket, 1/2" DR Drag Link 15/16"
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®

Contents	Description
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3322	Wrench, Angle 11/32"

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453 PC INTERMEDIATE TOOL SET (CONTINUED)

Product #: J99720

Contents	Description
J3320	Wrench, Angle 5/16"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs

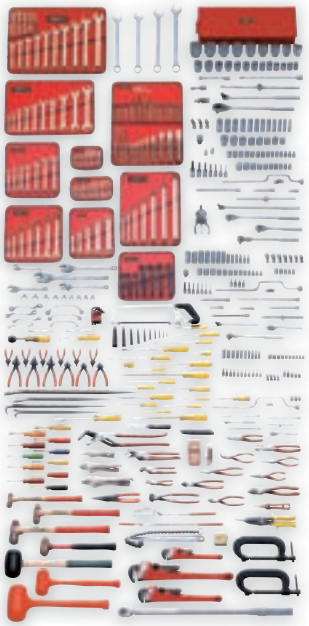
453 PC INTERMEDIATE SET WITH ROLLER CABINET J442742-8RD AND TOP CHEST J442719-12RD-D

Product #: J99721

- 453 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2-3/8".
- Contains: 211 Sockets and Accessories, 105 Wrenches, 30 Pliers, 32 Screwdrivers, 34 Striking and Struck Tools, 41 Miscellaneous Tools.
- Weight: 623.0 lbs.







Representative Image; Contents May Differ

453 PC MASTER SET WITH ROLLER CABINET J453441-8RD AND TOP CHEST J453427-6RD

Product #: J99722

- 453 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 1/8" - 2-3/8".
- Contains: 211 Sockets and Accessories, 105 Wrenches, 34 Striking and Struck Tools, 30 Pliers, 32 Screwdrivers, 41 Miscellaneous Tools.
- Weight: 821.0 lbs.







Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

233 PC INTERMEDIATE MAINTENANCE TOOL SET

Product #: J99820

- 233 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Tools only.
- Contains: 109 Sockets and Accessories, 40 Wrenches, 29 Striking and Struck Tools, 11 Pliers, 30 Screwdrivers, 14 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825.
- Weight: 104.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J4765	Extension, Flex 1/4" DR 6-1/4"
J5268	Extension, Flex 3/8" DR 8"
J5260W	Extension, Wobble 3/8" DR 3"
J1308PD	Hammer, Ball Pein 8 oz.
J1316PD	Hammer, Ball Pein 16 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8" DR
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"

Contents	Description
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT

(CONTINUED ON NEXT PAGE)

233 PC INTERMEDIATE MAINTENANCE TOOL SET (CONTINUED)

Product #: J99820

Contents	Description
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"

Contents	Description
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J808HD	Wrench, Pipe Heavy-Duty 8"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

233 PC ADVANCED MAINTENANCE SET WITH J442719-8RD TOP CHEST

Product #: J99821

- 233 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Contains: 109 Sockets and Accessories, 40 Wrenches, 29 Striking and Struck Tools, 11 Pliers, 19 Screwdrivers, 25 Miscellaneous Tools.
- Sub-sets contained: J99810, J99825.
- Weight: 244.0 lbs.



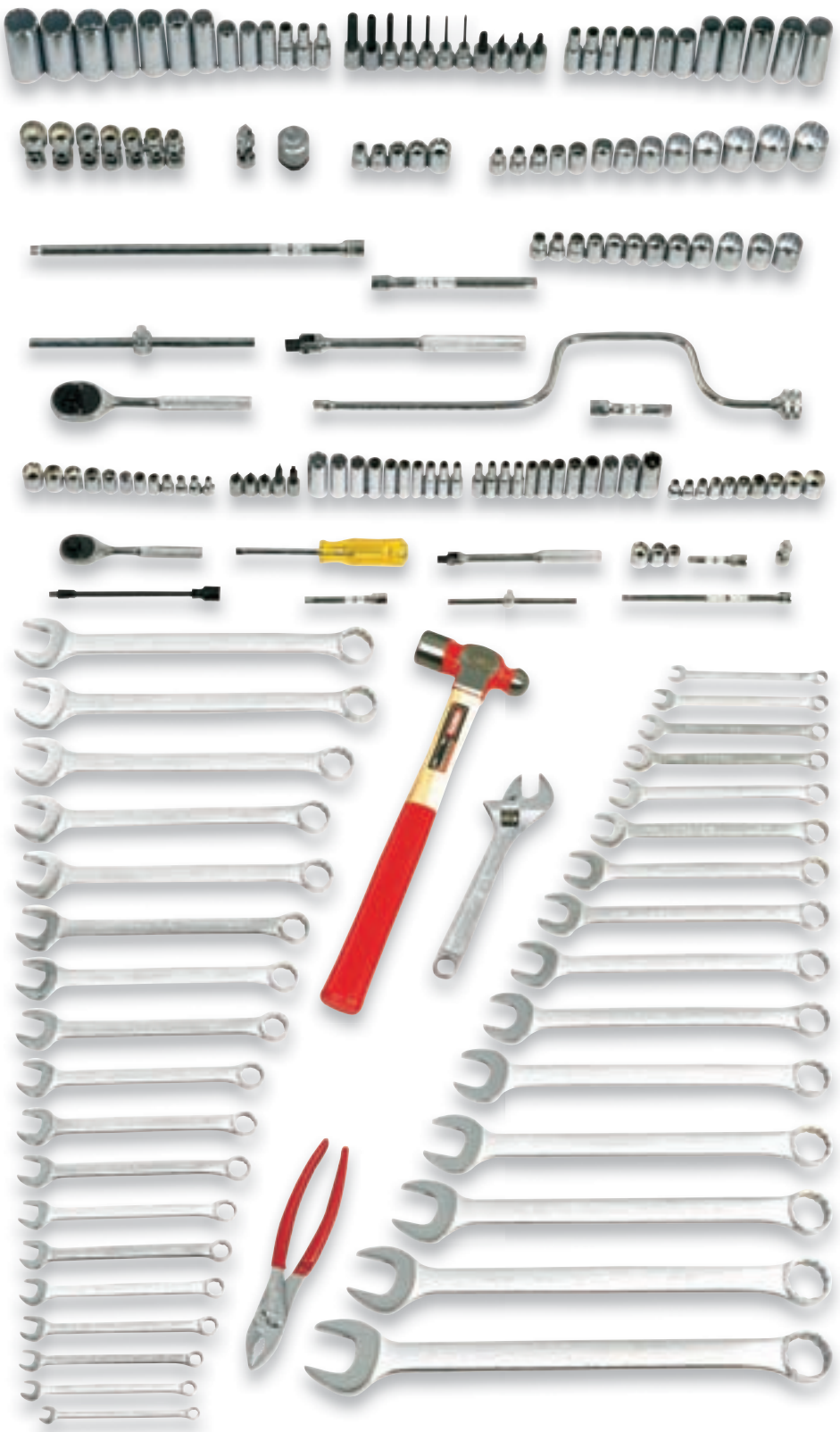


Representative Image; Contents May Differ

179 PC INTERMEDIATE MAINTENANCE TOOL SET

Product #: J99900

- 179 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/14" - 1", 4 mm - 19 mm.
- Tools Only.
- Contains: 143 Sockets and Accessories, 34 Wrenches, 1 Striking and Struck Tool, 1 Pliers.
- Weight: 46.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J4765	Extension, Flex 1/4" DR 6-1/4"
J1316PD	Hammer, Ball Pein 16 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8 DR
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep

(CONTINUED ON NEXT PAGE)



179 PC INTERMEDIATE MAINTENANCE TOOL SET (CONTINUED)

Product #: J99900

Contents	Description
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J5246	Socket, Bit 3/8" DR Slotted
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J708	Wrench, Adjustable 8"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT

Contents	Description
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT

179 PC INTERMEDIATE MAINTENANCE SET WITH ROLLER CABINET J442735-7RD

Product #: J99901

- 179 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/14" - 1", 4 mm - 19 mm.
- Contains: 143 Sockets and Accessories, 34 Wrenches, 1 Striking and Struck Tool, 1 Plier.
- Weight: 221.0 lbs.





Representative Image; Contents May Differ

179 PC INTERMEDIATE MAINTENANCE SET WITH ROLLER CABINET J442742-7RD

Product #: J99902

- 179 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 3/16" - 1-1/4", 4 mm - 19 mm.
- Contains: 143 Sockets and Accessories, 34 Wrenches, 1 Striking and Struck Tool, 1 Plier.
- Weight: 226.0 lbs.





Representative Image; Contents May Differ

165 PC INTERMEDIATE MAINTENANCE TOOL SET

Product #: J99490

- 165 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fasteners sizes 1/8" - 1-1/4".
- Tools only.
- Contains: 76 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 13 Pliers, 12 Scewdrivers, 22 Miscellaneous Tools.
- Sub-sets contained J99480, J99485.
- Weight: 78.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J725/16	Chisel, Cape 13/64"
J765/16	Chisel, Diamond PT 3/16"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5262	Extension, 3/8" DR 12"
J5260	Extension, 3/8" DR 3"

Contents	Description
J5260-06	Extension, 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5480G	Handle, Speed 1/2" DR
J5280G	Handle, Speed 3/8" DR
J4980	Hex Key, 13 PC Standard Set
J5467	Handle, Hinge 1/2" DR 15-3/4"
J2108	Holder, Punch and Chisel
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"

Contents	Description
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J5449	Ratchet, 1/2" DR
J5249	Ratchet, 3/8" DR
J2336	Scapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J303S	Snips, Aviation Straight
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT

Contents	Description
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J3021	Wrench, Open End 3/8" x 7/16"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"

165 PC INTERMEDIATE MAINTENANCE SET WITH TOP CHEST J442719-10RD-D

Product #: J99491

- 165 Pieces.
- 3/8, 1/2" Drive Tools.
- Designed for fasteners sizes 1/8" - 1-1/4".
- Contains: 76 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 12 Pliers, 12 Screwdrivers, 23 Miscellaneous Tools.
- Sub-sets contained: J99480, J99485.
- Weight: 220.0 lbs..





Representative Image; Contents May Differ

165 PC INTERMEDIATE MAINTENANCE SET WITH TOP CHEST J442719-8RD

Product #: J99492

- 165 Pieces.
- 3/8, 1/2" Drive Tools.
- Designed for fasteners sizes 1/8" - 1-1/4".
- Contains: 76 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 12 Pliers, 12 Screwdrivers, 23 Miscellaneous Tools.
- Sub-sets contained: J99480, J99485.
- Weight: 218.0 lbs.





Representative Image; Contents May Differ

248 PC METRIC INTERMEDIATE SET

METRIC

Product #: J99730

- 248 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 4 mm - 46 mm.
- Tools only.
- Contains: 110 Sockets and Accessories, 45 Wrenches, 17 Striking and Struck Tools, 28 Pliers, 19 Screwdrivers, 29 Miscellaneous Tools.
- Weight: 113.0 lbs.



Representative Image; Contents May Differ

(CONTINUED ON NEXT PAGE)

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

248 PC METRIC INTERMEDIATE SET (CONTINUED)

METRIC

Product #: J99730

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J404	C-Clamps, Capacity 0"-4", 2 Each
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J5695	Box, Extra Heavy-Duty Set
15-265	Hacksaw, 3-7/8"
J1430-HB	Hammer Head
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5668	Handle, Hinge 3/4" DR 20"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5480G	Handle, Speed 1/2" DR
J4984	Hex Key, 9 PC Metric Set
J5467	Handle, Hinge 1/2" DR 15-3/4"
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"

Contents	Description
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5649	Ratchet, 3/4" DR
J2336	Scrapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep
J5524M	Socket, 3/4" DR 24 mm 12 PT
J5525M	Socket, 3/4" DR 25 mm 12 PT
J5526M	Socket, 3/4" DR 26 mm 12 PT
J5527M	Socket, 3/4" DR 27 mm 12 PT
J5528M	Socket, 3/4" DR 28 mm 12 PT
J5529M	Socket, 3/4" DR 29 mm 12 PT
J5530M	Socket, 3/4" DR 30 mm 12 PT
J5531M	Socket, 3/4" DR 31 mm 12 PT
J5532M	Socket, 3/4" DR 32 mm 12 PT
J5535M	Socket, 3/4" DR 35 mm 12 PT
J5536M	Socket, 3/4" DR 36 mm 12 PT
J5538M	Socket, 3/4" DR 38 mm 12 PT

Contents	Description
J5541M	Socket, 3/4" DR 41 mm 12 PT
J5542M	Socket, 3/4" DR 42 mm 12 PT
J5546M	Socket, 3/4" DR 46 mm 12 PT
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
33-212	Tape Rule, Stanley® Powerlock® w/Metal Case 1/2"x12'
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm

248 PC METRIC INTERMEDIATE SET WITH ROLLER CABINET J442742-8RD

METRIC

Product #: J99731

- 248 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 4 mm - 46 mm.
- Contains: 110 Sockets and Accessories, 45 Wrenches, 17 Striking and Struck Tools, 26 Pliers, 19 Screwdrivers, 31 Miscellaneous Tools.
- Weight: 300.0 lbs.





Representative Image; Contents May Differ

248 PC METRIC INTERMEDIATE SET WITH ROLLER CABINET J453441-8RD

METRIC

Product #: J99732

- 248 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 4 mm - 46 mm.
- Contains: 110 Sockets and Accessories, 45 Wrenches, 17 Striking and Struck Tools, 26 Pliers, 19 Screwdrivers, 31 Miscellaneous Tools.
- Weight: 422.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

229 PC METRIC INTERMEDIATE SET

METRIC

Product #: J99550

- 229 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fasteners sizes 4 mm - 26 mm.
- Tools only.
- Contains: 111 Sockets and Accessories, 42 Wrenches, 16 Striking and Struck Tools, 17 Pliers, 19 Screwdrivers, 24 Miscellaneous Tools.
- Weight: 93.0 lbs.



Representative Image; Contents May Differ

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229 PC METRIC INTERMEDIATE SET (CONTINUED)

METRIC

Product #: J99550

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J404	C-Clamps, Capacity 0"-4", 2 Each
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9524	Extractor, Screw 5/16"
J9523	Extractor, Screw 15/64"
J9525	Extractor, Screw 3/8"
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4984	Hex Key, 9 PC Metric Set
J5467	Handle, Hinge 1/2" DR 15-3/4"
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J308	Miniature Snips
J9205M	Nut Driver, 5 mm
J92055M	Nut Driver, 5.5 mm
J9206M	Nut Driver, 6 mm
J9207M	Nut Driver, 7 mm
J9208M	Nut Driver, 8 mm
J9209M	Nut Driver, 9 mm
J9210M	Nut Driver, 10 mm
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"

Contents	Description
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J2336	Scrapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J303S	Snips, Aviation Straight
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714M	Socket, 1/4" DR 14 mm 6 PT
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm

Contents	Description
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J5272AM	Socket, Universal 3/8" DR 9 mm 12 PT
J5273AM	Socket, Universal 3/8" DR 10 mm 12 PT
J5274AM	Socket, Universal 3/8" DR 11 mm 12 PT
J5275AM	Socket, Universal 3/8" DR 12 mm 12 PT
J5276AM	Socket, Universal 3/8" DR 13 mm 12 PT
J5277AM	Socket, Universal 3/8" DR 14 mm 12 PT
J5278AM	Socket, Universal 3/8" DR 15 mm 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2"x12'
J706	Wrench, Adjustable 6"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm

229 PC METRIC INTERMEDIATE SET WITH TOP CHEST J442719-10RD-D

METRIC

Product #: J99551

- 229 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fasteners sizes 4 mm - 26 mm.
- Contains: 111 Sockets and Accessories, 42 Wrenches, 16 Striking and Struck Tools, 15 Pliers, 19 Screwdrivers, 26 Miscellaneous Tools.
- Weight: 235.0 lbs.





Representative Image; Contents May Differ

229 PC METRIC INTERMEDIATE SET WITH TOP CHEST J442719-8RD

METRIC

Product #: J99552

- 229 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fasteners sizes 4 mm - 26 mm.
- Contains: 111 Sockets and Accessories, 42 Wrenches, 16 Striking and Struck Tools, 15 Pliers, 19 Screwdrivers, 26 Miscellaneous Tools.
- Weight: 233.0 lbs.





Representative Image; Contents May Differ

157 PC METRIC INTERMEDIATE SET

METRIC

Product #: J99430

- 157 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 26 mm.
- Contains: 73 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 13 Pliers, 12 Screwdrivers, 17 Miscellaneous Tools.
- Weight: 61.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9525	Extractor, Screw 3/8"
J9524	Extractor, Screw 5/16"
J9523	Extractor, Screw 15/64"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5467	Handle, Hinge 1/2" DR 15-3/4"
J5480G	Handle, Speed 1/2" DR
J4984	Hex Key, 9 PC Metric Set
J2108	Holder, Punch and Chisel
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J2336	Scrapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2

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157 PC METRIC INTERMEDIATE SET (CONTINUED)

Product #: J99430

Contents	Description
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J303S	Snips, Aviation Straight
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT

Contents	Description
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

157 PC METRIC INTERMEDIATE SET WITH TOP CHEST J442719-10RD-D

METRIC

Product #: J99431

- 157 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 26 mm.
- Contains: 72 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 12 Pliers, 12 Screwdrivers, 19 Miscellaneous Tools.
- Weight: 203.0 lbs.





Representative Image; Contents May Differ

157 PC METRIC INTERMEDIATE SET WITH TOP CHEST J442719-8RD

METRIC

Product #: J99432

- 157 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 26 mm.
- Contains: 72 Sockets and Accessories, 27 Wrenches, 15 Striking and Struck Tools, 12 Pliers, 12 Screwdrivers, 19 Miscellaneous Tools.
- Weight: 201.0 lbs.





Representative Image; Contents May Differ

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

Phillips® is a trademark of Phillips Screw Company

164 PC STARTER SET

Product #: J99700

- 164 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Tools only.
- Contains: 85 Sockets and Accessories, 19 Wrenches, 16 Striking and Struck Tools, 12 Pliers, 12 Screwdrivers, 20 Miscellaneous Tools.
- Weight: 140.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5496-NA	Box, 19" Set
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J404	C-Clamps, Capacity 0"-4", 2 Each
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J4769	Driver, 1/4" DR
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5262	Extension, 3/8" DR 12"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J5696	Box, Extra Heavy-Duty Set
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J2108	Holder, Punch and Chisel
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J291NC	Pliers, Locking StraightT 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5649	Ratchet, 3/4" DR
J2336	Scrapers, Gasket and Carbon
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4982	Hex Key, 7 PC Set
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J303S	Snips, Aviation Straight
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep

Contents	Description
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5421	Socket, 1/2" DR 21/32" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5431	Socket, 1/2" DR 31/32" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J814HD	Wrench, Pipe Heavy-Duty 14"

164 PC STARTER SET WITH ROLLER CABINET J442735-7RD

Product #: J99701

- 164 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Contains: 86 Sockets and Accessories, 19 Wrenches, 16 Striking and Struck Tools, 11 Pliers, 12 Screwdrivers, 20 Miscellaneous Tools.
- Weight: 315.0 lbs.





Representative Image; Contents May Differ

164 PC STARTER SET WITH ROLLER CABINET J442742-7RD

Product #: J99702

- 164 Pieces.
- 1/4", 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 3/16" - 2".
- Contains: 86 Sockets and Accessories, 19 Wrenches, 16 Striking and Struck Tools, 11 Pliers, 12 Screwdrivers, 20 Miscellaneous Tools.
- Weight: 320.0 lbs.



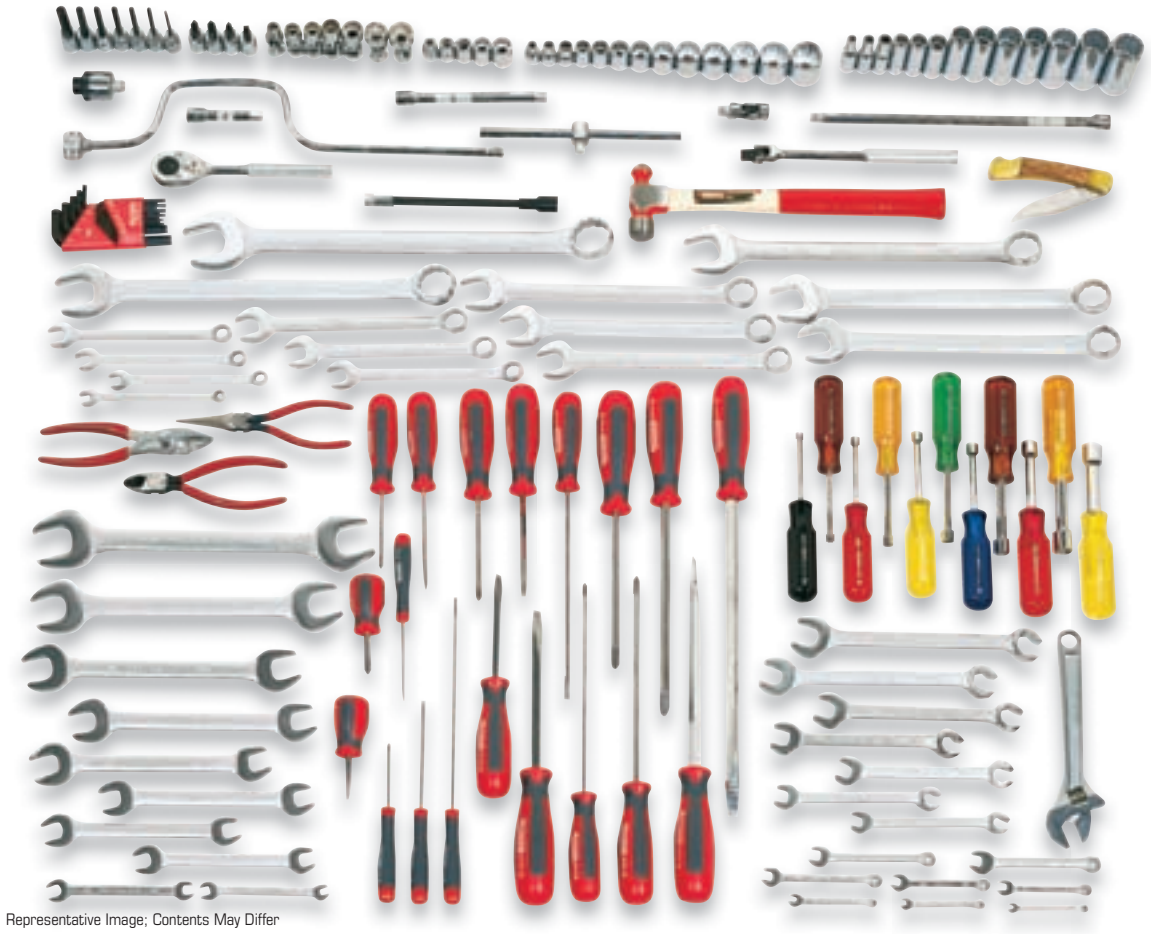


Representative Image; Contents May Differ

148 PC STARTER MAINTENANCE TOOL SET

Product #: J99660

- 148 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 1/8" - 1".
- Tools only.
- Contains: 59 Sockets and Accessories, 41 Wrenches, 1 Striking and Struck Tools, 3 Pliers, 30 Screwdrivers, 14 Miscellaneous Tools.
- Weight: 45.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J5268	Extension, Flex 3/8" DR 8"
J1308PD	Hammer, Ball Pein 8 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8" DR
J4980	Hex Key, 13 PC Standard Set
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"

Contents	Description
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J5247	Ratchet Adapter 3/8" DR 2-1/16"
J5249	Ratchet, 3/8" DR
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88393	Screwdriver, Phillips® #0
J88318	Screwdriver, Phillips® #1
J88313	Screwdriver, Phillips® #1
J88328	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3

(CONTINUED ON NEXT PAGE)

148 PC STARTER MAINTENANCE TOOL SET (CONTINUED)

Product #: J99660

Contents	Description
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"

Contents	Description
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J708	Wrench, Adjustable 8"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

148 PC STARTER MAINTENANCE TOOL SET WITH TOP CHEST J442719-12RD-D

Product #: J99661

- 148 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 1/8" - 1".
- Contains: 59 Sockets and Accessories, 41 Wrenches, 1 Striking and Struck Tool, 3 Pliers, 19 Screwdrivers, 25 Miscellaneous Tools.
- Weight: 201.0 lbs.





Representative Image; Contents May Differ

148 PC STARTER MAINTENANCE TOOL SET WITH ROLLER CABINET J442742-7RD

Product #: J99662

- 148 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 1/8" - 1".
- Contains: 59 Sockets and Accessories, 41 Wrenches, 1 Striking and Struck Tool, 3 Pliers, 19 Screwdrivers, 25 Miscellaneous Tools.
- Weight: 225.0 lbs.





Representative Image; Contents May Differ

126 PC STARTER MAINTENANCE SET

Product #: J99810

- 126 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Tools Only.
- Contains: 107 Sockets and Accessories, 16 Wrenches, 1 Striking and Struck Tools, 2 Pliers.
- Weight: 34.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"

Contents	Description
J4761	Extension, 1/4" DR 6"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
J4765	Extension, Flex 1/4" DR 6-1/4"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5260W	Extension, Wobble 3/8" DR 3"
J1308PD	Hammer, Ball Pein 8 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4785	Handle, Sliding T 1/4" DR
J5285	Handle, Sliding T 3/8" DR
J5280G	Handle, Speed 3/8" DR
J291NC	Pliers, Locking Straight 7"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J4749	Ratchet, 1/4" DR
J5249	Ratchet, 3/8" DR
J5247	Ratchet, Adapter 3/8" DR 5/16"
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep

Contents	Description
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4738	Socket, Bit 1/4" DR #2 Phillips®
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J5246	Socket, Bit 3/8" DR Slotted
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J706	Wrench, Adjustable 6"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT

126 PC STARTER MAINTENANCE SET WITH TOP CHEST J442719-10RD-D

Product #: J99811

- 126 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Contains: 107 Sockets and Accessories, 16 Wrenches, 1 Striking and Struck Tool, 2 Pliers.
- Weight: 176.0 lbs.





Representative Image; Contents May Differ

126 PC STARTER MAINTENANCE SET WITH TOP CHEST J442719-8RD

Product #: J99812

- 126 Pieces.
- 1/4", 3/8" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Contains: 107 Sockets and Accessories, 16 Wrenches, 1 Striking and Struck Tool, 2 Pliers.
- Weight: 174.0 lbs.





Representative Image; Contents May Differ

98 PC STARTER MAINTENANCE TOOL SET

Product #: J99480

- 98 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/4".
- Tools only.
- Contains: 33 Sockets and Accessories, 21 Wrenches, 13 Striking and Struck Tools, 5 Pliers, 12 Screwdrivers, 14 Miscellaneous Tools.
- Weight: 40.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"
15-265	Hacksaw, 3-7/8"
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5280G	Handle, Speed 3/8" DR
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"

Contents	Description
J291NC	Pliers, Locking Straight 7"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J413/8	Punch, Center 3/8"
J475/16X1/8	Punch, Pin 1/8"
J471/4X3/32	Punch, Pin 3/32"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J5249	Ratchet, 3/8" DR
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4

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98 PC STARTER MAINTENANCE TOOL SET (CONTINUED)

Product #: J99480

Contents	Description
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep

Contents	Description
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J706	Wrench, Adjustable 6"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J3021	Wrench, Open End 3/8" x 7/16"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

78 PC STARTER SET

Product #: J99300

- 78 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 5/16" - 1-1/4".
- Tools only.
- Contains: 30 Sockets and Accessories, 17 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 7 Screwdrivers, 9 Miscellaneous Tools.
- Weight: 46.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A5/8	Chisel, Cold 3/4"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5467	Handle, Hinge 1/2" DR 15-3/4"
J4978	Hex Key, 9 PC Folding Set
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J961/2	Punch, Drift 1/4"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J5449	Ratchet, 1/2" DR
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3

Contents	Description
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep

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78 PC STARTER SET (CONTINUED)

Product #: J99300

Contents	Description
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J708	Wrench, Adjustable 8"
J712	Wrench, Adjustable 12"
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT

Contents	Description
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT

78 PC STARTER SET WITH TOOL BOX J9969-NA

Product #: J99301

- 78 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 5/16" - 1-1/4".
- Contains: 30 Sockets and Accessories, 17 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 7 Screwdrivers, 9 Miscellaneous Tools.
- Weight: 55.0 lbs.



Representative Image; Contents May Differ



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

62 PC STARTER SET

Product #: J99200

- 62 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Tools only.
- Contains: 22 Sockets and Accessories, 11 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 5 Screwdrivers, 9 Miscellaneous Tools.
- Weight: 23.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A5/8	Chisel, Cold 3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J1316PD	Hammer, Ball Pein 16 oz.
57-530	Hammer, Compo-Cast® 10 oz.
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J963/8	Punch, Drift 3/16"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"

Contents	Description
J5249	Ratchet, 3/8" DR
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J4978	Hey Key, 9 PC Folding Set
J5212H	Socket, 3/8" DR 3/8" 6 PT
J5214H	Socket, 3/8" DR 7/16" 6 PT
J5216H	Socket, 3/8" DR 1/2" 6 PT
J5218H	Socket, 3/8" DR 9/16" 6 PT
J5220H	Socket, 3/8" DR 5/8" 6 PT
J5222H	Socket, 3/8" DR 11/16" 6 PT
J5224H	Socket, 3/8" DR 3/4" 6 PT
J5226H	Socket, 3/8" DR 13/16" 6 PT
J5228H	Socket, 3/8" DR 7/8" 6 PT
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep

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62 PC STARTER SET (CONTINUED)

Product #: J99200

Contents	Description
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"

Contents	Description
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT

62 PC STARTER SET WITH TOOL BOX J9975-NA

Product #: J99201

- 62 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Contains: 22 Sockets and Accessories, 11 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 5 Screwdrivers, 9 Miscellaneous Tools.
- Weight: 35.0 lbs.



Representative Image; Contents May Differ



99 PC METRIC STARTER SET

Product #: J99420

METRIC

- 99 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 6 mm - 26 mm.
- Tools only.
- Contains: 42 Sockets and Accessories, 17 Wrenches, 15 Striking and Struck Tools, 6 Pliers, 8 Screwdrivers, 11 Miscellaneous Tools.
- Weight: 44.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5496-NA	Box, 19" Set
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J5260	Extension, 3/8" DR 3"
J5262	Extension, 3/8" DR 12"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5468	Handle, Hinge 1/2" DR
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5280G	Handle, Speed 3/8" DR
J4984	Hex Key, 9 PC Metric Set
J2108	Holder, Punch and Chisel
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J2336	Scrapers, Gasket and Carbon
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J303S	Snips, Aviation Straight
J5206M	Socket, 3/8" DR 6 mm 12 PT
J5207M	Socket, 3/8" DR 7 mm 12 PT
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT

(CONTINUED ON NEXT PAGE)

99 PC METRIC STARTER SET (CONTINUED)

METRIC

Product #: J99420

Contents	Description
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT

Contents	Description
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT

99 PC METRIC STARTER SET WITH TOOL BOX J9969-NA

METRIC

Product #: J99421

- 99 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 6 mm - 26 mm.
- Contains: 42 Sockets and Accessories, 17 Wrenches, 15 Striking and Struck Tools, 5 Pliers, 8 Screwdrivers, 12 Miscellaneous Tools.
- Weight: 68.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

77 PC METRIC STARTER SET

METRIC

Product #: J99310

- 77 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 7 mm - 26 mm.
- Tools only.
- Contains: 31 Sockets and Accessories, 17 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 7 Screwdrivers, 7 Miscellaneous Tools.
- Weight: 38.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A5/8	Chisel, Cold 3/4"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5467	Handle, Hinge 1/2" DR 15-3/4"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J961/2	Punch, Drift 1/4"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J5449	Ratchet, 1/2" DR

Contents	Description
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J4974	Hex Key, 7 PC Folding Set
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT

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77 PC METRIC STARTER SET (CONTINUED)

METRIC

Product #: J99310

Contents	Description
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5425M	Socket, 1/2" DR 25 mm 12 PT
J5426M	Socket, 1/2" DR 26 mm 12 PT
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep
J708	Wrench, Adjustable 8"

Contents	Description
J712	Wrench, Adjustable 12"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT

77 PC METRIC STARTER SET WITH TOOL BOX J9969-NA

METRIC

Product #: J99311

- 77 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 7 mm - 26 mm.
- Contains: 31 Sockets and Accessories, 17 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 7 Screwdrivers, 7 Miscellaneous Tools.
- Weight: 58.0 lbs.





Representative Image; Contents May Differ

67 PC METRIC STARTER SET

METRIC

Product #: J99210

- 67 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 7 mm - 19 mm.
- Tools only.
- Contains: 29 Sockets and Accessories, 11 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 5 Screwdrivers, 7 Miscellaneous Tools.
- Weight: 24.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A5/8	Chisel, Cold 3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J1316PD	Hammer, Ball Pein 16 oz.
57-530	Hammer, Compo-Cast® 10 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J4974	Hex Key, 7 PC Folding Set
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"

Contents	Description
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J411/2	Punch, Center 1/2"
J413/8	Punch, Center 3/8"
J963/8	Punch, Drift 3/16"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J5249	Ratchet, 3/8" DR
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT

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67 PC METRIC STARTER SET (CONTINUED)

METRIC

Product #: J99210

Contents	Description
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep

Contents	Description
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT

67 PC METRIC STARTER SET WITH TOOL BOX J9975-NA

METRIC

Product #: J99211

- 67 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 7 mm - 19 mm.
- Contains: 29 Sockets and Accessories, 11 Wrenches, 10 Striking and Struck Tools, 5 Pliers, 5 Screwdrivers, 7 Miscellaneous Tools.
- Weight: 36.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

131 PC SMALL TOOL SET

Product #: J99100

- 131 Pieces.
- 1/4" Drive Tools.
- Designed for fastener sizes 5/64" - 3/4".
- Tools only.
- Contains: 44 Sockets and Accessories, 28 Wrenches, 6 Striking and Struck Tools, 14 Pliers, 23 Screwdrivers, 16 Miscellaneous Tools.
- Weight: 25.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J86A3/16	Chisel, Cold 1/4"
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4760	Extension, 1/4" DR 3"
J4761	Extension, 1/4" DR 6"
J4763	Extension, 1/4" DR 14"
J4765	Extension, Flex 1/4" DR 6-1/4"
J2302	File, Ignition PT
J1304PD	Hammer, Ball Pein 4 oz.
57-595	Hammer, Soft Face 16 oz.
J4766	Handle, Hinge 1/4" DR 5-3/4"
J4785	Handle, Sliding T 1/4" DR
J4780G	Handle, Speed 1/4 DR
J4980	Hex Key, 13 PC Standard Set
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9211H	Nut Driver, 11/32" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft
J9214H	Nut Driver, 7/16" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J92021/2	Nut Driver, 5/64" Midget
J9203	Nut Driver, 3/32" Midget
J92031/2	Nut Driver, 7/64" Midget
J9204	Nut Driver, 1/8" Midget
J9205	Nut Driver, 5/32" Midget

Contents	Description
J282G	Pliers, Chain Nose 4-7/8"
J285G	Pliers, Diagonal Cutting with Grip 4-5/8"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J291NC	Pliers, Locking Straight 7"
J220G	Pliers, Needle-Nose 6-5/8"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J261SG	Pliers, Tongue and Groove 5" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J411/4	Punch, Center
J471/4X1/16	Punch, Pin 1/16"
J441/4	Punch, Prick
J4749	Ratchet, 1/4" DR
J9884	Screw Starter, Phillips® Tip
J341/4	Offset Screwdriver, Phillips®
J361/4	Offset Screwdriver, Standard Tip
J308	Snips, Miniature
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT

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131 PC SMALL TOOL SET (CONTINUED)

Product #: J99100

Contents	Description
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4738	Socket, Bit 1/4" DR #2 Phillips®
J4737	Socket, Bit 1/4" DR #1 Phillips®
J4743	Socket, Bit 1/4" DR Slotted 1/4" 1-3/16"
J4744	Socket, Bit 1/4" DR Slotted 3/16"
J4745	Socket, Bit 1/4" DR Slotted 1/4" 1-13/64"
J4764	Socket, Driver 1/4" DR Flexible
J4771A	Socket, Universal 1/4" DR 1/4" 6 PT
J4772A	Socket, Universal 1/4" DR 5/16" 6 PT
J4773A	Socket, Universal 1/4" DR 3/8" 6 PT
J4774A	Socket, Universal 1/4" DR 7/16" 6 PT
66-568	Screwdriver, 8 PC Stanley® 100 Plus® Vinyl Grip Set

Contents	Description
J704G	Wrench, Adjustable 4" with Grip
J706G	Wrench, Adjustable 6" with Grip
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J3336	Wrench, Angle 9/16"
J3340	Wrench, Angle 5/8"
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short
J1214EF	Wrench, Combination 7/16" 6 PT Short
J1216EF	Wrench, Combination 1/2" 6 PT Short
J1218EF	Wrench, Combination 9/16" 6 PT Short
J1220EF	Wrench, Combination 5/8" 6 PT Short
J1222TF	Wrench, Combination 11/16" 12 PT Short
J1224TF	Wrench, Combination 3/4" 12 PT Short

131 PC SMALL TOOL SET WITH TOOL BOX J9993-NA

Product #: J99101

- 131 Pieces.
- 1/4" Drive Tools.
- Designed for fastener sizes 5/64" - 3/4".
- Contains: 46 Sockets and Accessories, 28 Wrenches, 6 Striking and Struck Tools, 13 Pliers, 23 Screwdrivers, 15 Miscellaneous Tools.
- Weight: 42.0 lbs.





Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

111 PC METRIC ADD-ON SET

Product #: J99570

METRIC

- 111 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 24 mm.
- Tools only.
- Contains: 84 Sockets and Accessories, 18 Wrenches, 9 Hex Keys.
- Weight: 28.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4984	Hex Key, 9 PC Metric Set
J4704M	Socket, 1/4" DR 4 mm 6 PT
J4705M	Socket, 1/4" DR 5 mm 6 PT
J47055M	Socket, 1/4" DR 5.5 mm 6 PT
J4706M	Socket, 1/4" DR 6 mm 6 PT
J4707M	Socket, 1/4" DR 7 mm 6 PT
J4708M	Socket, 1/4" DR 8 mm 6 PT
J4709M	Socket, 1/4" DR 9 mm 6 PT
J4710M	Socket, 1/4" DR 10 mm 6 PT
J4711M	Socket, 1/4" DR 11 mm 6 PT
J4712M	Socket, 1/4" DR 12 mm 6 PT
J4713M	Socket, 1/4" DR 13 mm 6 PT
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep
J5208M	Socket, 3/8" DR 8 mm 12 PT
J5209M	Socket, 3/8" DR 9 mm 12 PT
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep

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111 PC METRIC ADD-ON SET (CONTINUED)

METRIC

Product #: J99570

Contents	Description
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT

Contents	Description
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1223MASD	Wrench, Combination 23 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT

111 PC METRIC ADD-ON SET WITH TOP CHEST J442710-4RD-IC

METRIC

Product #: J99571

- 111 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 24 mm.
- Contains: 84 Sockets and Accessories, 18 Wrenches, 9 Hex Keys.
- Weight: 106.0 lbs.



111 PC METRIC ADD-ON SET WITH TOP CHEST J442719-8RD

METRIC

Product #: J99572

- 111 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 4 mm - 24 mm.
- Contains: 84 Sockets and Accessories, 18 Wrenches, 9 Hex Keys.
- Weight: 168.0 lbs



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

92 PC HEAVY EQUIPMENT SET

Product #: J98310

- 92 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 5/16" - 2-1/4".
- Contains: 52 Sockets and Accessories, 21 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 77.0 lbs.

Representative Image; Contents May Differ



Contents	Description
J5653	Adapter 1/2" F x 3/4" M
J5254	Adapter 1/2" F x 3/8" M
J5253	Adapter 3/8" F x 1/2" M
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J86A5/16	Chisel, Cold 3/8"
J86A5/8	Chisel, Cold 3/4"
J5260	Extension, 3/8" DR 3"
J5261	Extension, 3/8" DR 8"
J5463	Extension, 1/2" DR 10"
J5661	Extension, 3/4" DR 8"
J000AA	Feeler Gauge, 25 Blade Master Set
J1312PD	Hammer, Ball Pein 12 oz.
J1332PD	Hammer, Ball Pein 32 oz.
J1364	Hammer, Soft Face 1-11/16"
J5468	Handle, Hinge 1/2" DR
J5668	Handle, Hinge 3/4" DR 20"
J5280G	Handle, Speed 3/8" DR
J276	Pliers, Combination 6-1/2"
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J292NC	Pliers, Locking Curved 10"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J417/16	Punch, Center
J963/8	Punch, Drift 3/16"
J963/4	Punch, Drift 3/8"

Contents	Description
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5649	Ratchet, 3/4" DR
J2336	Scrapers, Gasket and Carbon
J88206	Screwdriver, Slotted Cabinet, Round 1/8" x 6"
J88006	Screwdriver, Slotted Round 6"
J88008	Screwdriver, Slotted Round 8"
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT

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92 PC HEAVY EQUIPMENT SET (CONTINUED)

Product #: J98310

Contents	Description
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
J1208A	Wrench, Combination 1/4" 12 PT

Contents	Description
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J1230ASD	Wrench, Combination 15/16" 12 PT
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1252	Wrench, Combination 1-5/8" 12 PT
J3426	Wrench, Tappet 1/2" x 9/16" Thin

92 PC HEAVY EQUIPMENT SET WITH TOP CHEST J442715-6RD-D

Product #: J98311

- 92 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 5/16" - 2-1/4".
- Contains: 52 Sockets and Accessories, 21 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 151.0 lbs.



92 PC HEAVY EQUIPMENT SET WITH TOP CHEST J442719-8RD

Product #: J98312

- 92 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 5/16" - 2-1/4".
- Contains: 52 Sockets and Accessories, 21 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 217.0 lbs.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

71 PC MASTER HEAVY EQUIPMENT SET

Product #: J98300

- 71 Pieces.
- 3/4", 1" Drive Tools.
- Designed for fastener sizes 1" - 3-1/2".
- Contains: 46 Sockets and Accessories, 16 Wrenches, 3 Striking and Struck Tools, 6 Miscellaneous Tools.
- Weight: 228.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5453	Adapter, 3/4" F x 1/2" M
J5853	Adapter, 3/4" F x 1" M
J5854	Adapter, 1" F x 3/4" M
J5670	Adapter, Universal Joint 3/4" DR
J2125	Bar, Pry Aligning 30"
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J5861	Extension 8", 1" DR
J5863	Extension 17", 1" DR
J1430-HB	Hammer Head
J1340PD	Hammer, Ball Pein 40 oz.
J1332PD	Hammer, Ball Pein 32 oz.
J5685	Handle, Sliding T 3/4" DR
J4226CA	Puller, Crossarm 2 Way
J4018	Puller, Jaw 10 Ton Cap Screw
J4016A	Puller, Jaw 10 Ton Dual-Reach
J4017	Puller, Jaw 10 Ton Narrow
J4332N	Puller, Nut Hex
J4332R	Puller, Rod Threaded 5/8"-18 UNF
J4225S	Puller, Screw Forcing Acme
J4332P	Puller, Separator Plate
J4011S	Puller, Spring Clip
J4012T	Puller, Tip Detachable
J5647	Ratchet, 3/4" DR
J5649	Ratchet, 3/4" DR
J5885	Sliding Drive Plug 1" DR
J5884	Handling, Sliding T 1" DR 28-1/2"
J5542HL	Socket, 3/4" DR 6 PT Deep 1-5/16"
J5544HL	Socket, 3/4" DR 6 PT Deep 1-3/8"
J5546HL	Socket, 3/4" DR 6 PT Deep 1-7/16"
J5548HL	Socket, 3/4" DR 8 PT Deep 1-1/2"
J5552HL	Socket, 3/4" DR 6 PT Deep 1-5/8"
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT

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71 PC MASTER HEAVY EQUIPMENT SET (CONTINUED)

Product #: J98300

Contents	Description
J5764	Socket, 1" DR 2" 12 PT
J5770	Socket, 1" DR 2-3/16" 12 PT
J5772	Socket, 1" DR 2-1/4" 12 PT
J5776	Socket, 1" DR 2-3/8" 12 PT
J5780	Socket, 1" DR 2-1/2" 12 PT
J5782	Socket, 1" DR 2-9/16" 12 PT
J5784	Socket, 1" DR 2-5/8" 12 PT
J5788	Socket, 1" DR 2-3/4" 12 PT
J5794	Socket, 1" DR 2-15/16" 12 PT
J5796	Socket, 1" DR 3" 12 PT
J5800	Socket, 1" DR 3-1/8" 12 PT
J5812	Socket, 1" DR 3-1/2" 12 PT
J715	Wrench, Adjustable 15"
J724	Wrench, Adjustable 24"

Contents	Description
J1232ASD	Wrench, Combination 1" 12 PT
J1234ASD	Wrench, Combination 1-1/16" 12 PT
J1236ASD	Wrench, Combination 1-1/8" 12 PT
J1240ASD	Wrench, Combination 1-1/4" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J1252	Wrench, Combination 1-5/8" 12 PT
J1254	Wrench, Combination 1-11/16" 12 PT
J1256	Wrench, Combination 1-3/4" 12 PT
J1258	Wrench, Combination 1-13/16" 12 PT
J1260	Wrench, Combination 1-7/8" 12 PT
J1264	Wrench, Combination 2" 12 PT

71 PC HEAVY EQUIPMENT SET WITH ROLLER CABINET J453441-8RD

Product #: J98301

- 71 Pieces.
- 3/4", 1" Drive Tools.
- Designed for fastener sizes 1" - 3-1/2".
- Contains: 46 Sockets and Accessories, 16 Wrenches, 3 Striking and Struck Tools,
- 6 Miscellaneous Tools.
- Weight: 537.0 lbs.





Representative Image; Contents May Differ

99 PC METRIC HEAVY EQUIPMENT SET

METRIC

Product #: J98320

- 99 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 7 mm - 60 mm.
- Contains: 56 Sockets and Accessories, 24 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 91.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5253	Adapter, 3/8" F x 1/2" M
J5653	Adapter, 1/2" F x 3/4" M
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J86A5/16	Chisel, Cold 3/8"
J86A5/8	Chisel, Cold 3/4"
J5260	Extension, 3/8" DR 3"
J5261	Extension, 3/8" DR 8"
J5463	Extension, 1/2" DR 10"
J5661	Extension, 3/4" DR 8"
J00MM25	Feeler Gauge, 25 Blade Metric Set
J1312PD	Hammer, Ball Pein 12 oz.
J1332PD	Hammer, Ball Pein 32 oz.
J1364	Hammer, Soft Face 1-11/16"
J5668	Handle, Hinge 3/4" DR 20"
J5280G	Handle, Speed 3/8" DR
J5480G	Handle, Speed 1/2" DR
J276	Pliers, Combination 6-1/2"
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J292NC	Pliers, Locking Curved 10"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J417/16	Punch, Center
J963/8	Punch, Drift 3/16"
J963/4	Punch, Drift 3/8"
J5249	Ratchet, 3/8" DR
J5449	Ratchet, 1/2" DR
J5649	Ratchet, 3/4" DR
J2336	Scrapers, Gasket and Carbon
J88206	Screwdriver, Slotted Cabinet, Round 1/8" x 6"

Contents	Description
J88006	Screwdriver, Slotted Round 6"
J88008	Screwdriver, Slotted Round 8"
J5210M	Socket, 3/8" DR 10 mm 12 PT
J5211M	Socket, 3/8" DR 11 mm 12 PT
J5212M	Socket, 3/8" DR 12 mm 12 PT
J5213M	Socket, 3/8" DR 13 mm 12 PT
J5214M	Socket, 3/8" DR 14 mm 12 PT
J5215M	Socket, 3/8" DR 15 mm 12 PT
J5216M	Socket, 3/8" DR 16 mm 12 PT
J5217M	Socket, 3/8" DR 17 mm 12 PT
J5218M	Socket, 3/8" DR 18 mm 12 PT
J5219M	Socket, 3/8" DR 19 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5521M	Socket, 3/4" DR 21 mm 12 PT
J5522M	Socket, 3/4" DR 22 mm 12 PT
J5523M	Socket, 3/4" DR 23 mm 12 PT
J5524M	Socket, 3/4" DR 24 mm 12 PT
J5527M	Socket, 3/4" DR 27 mm 12 PT
J5528M	Socket, 3/4" DR 28 mm 12 PT
J5530M	Socket, 3/4" DR 30 mm 12 PT

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99 PC METRIC HEAVY EQUIPMENT SET (CONTINUED)

METRIC

Product #: J98320

Contents	Description
J5532M	Socket, 3/4" DR 32 mm 12 PT
J5536M	Socket, 3/4" DR 36 mm 12 PT
J5541M	Socket, 3/4" DR 41 mm 12 PT
J5542M	Socket, 3/4" DR 42 mm 12 PT
J5546M	Socket, 3/4" DR 46 mm 12 PT
J5550M	Socket, 3/4" DR 50 mm 12 PT
J5555M	Socket, 3/4" DR 55 mm 12 PT
J5558M	Socket, 3/4" DR 58 mm 12 PT
J5560M	Socket, 3/4" DR 60 mm 12 PT
J5272AM	Socket, Universal 3/8" DR 9 mm 12 PT
J5273AM	Socket, Universal 3/8" DR 10 mm 12 PT
J5274AM	Socket, Universal 3/8" DR 11 mm 12 PT
J5275AM	Socket, Universal 3/8" DR 12 mm 12 PT
J5276AM	Socket, Universal 3/8" DR 13 mm 12 PT
J5277AM	Socket, Universal 3/8" DR 14 mm 12 PT
J5278AM	Socket, Universal 3/8" DR 15 mm 12 PT
J1207MA	Wrench, Combination 7 mm 12 PT
J1208MA	Wrench, Combination 8 mm 12 PT
J1209MA	Wrench, Combination 9 mm 12 PT
J1210MASD	Wrench, Combination 10 mm 12 PT

Contents	Description
J1211MASD	Wrench, Combination 11 mm 12 PT
J1212MASD	Wrench, Combination 12 mm 12 PT
J1213MASD	Wrench, Combination 13 mm 12 PT
J1214MASD	Wrench, Combination 14 mm 12 PT
J1215MASD	Wrench, Combination 15 mm 12 PT
J1216MASD	Wrench, Combination 16 mm 12 PT
J1217MASD	Wrench, Combination 17 mm 12 PT
J1218MASD	Wrench, Combination 18 mm 12 PT
J1219MASD	Wrench, Combination 19 mm 12 PT
J1220MASD	Wrench, Combination 20 mm 12 PT
J1221MASD	Wrench, Combination 21 mm 12 PT
J1222MASD	Wrench, Combination 22 mm 12 PT
J1224MASD	Wrench, Combination 24 mm 12 PT
J1228MASD	Wrench, Combination 28 mm 12 PT
J1232MASD	Wrench, Combination 32 mm 12 PT
J1241M	Wrench, Combination 41 mm 12 PT
J1246M	Wrench, Combination 46 mm 12 PT
J1250M	Wrench, Combination 50 mm 12 PT
J1226MASD	Wrench, Combination 26 mm 12 PT Satin Finish
J1236M	Wrench, Combination 36 mm 12 PT Satin Finish

99 PC METRIC HEAVY-DUTY EQUIPMENT SET WITH TOP CHEST J442715-6RD-D

METRIC

Product #: J98321

- 99 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 7 mm - 60 mm.
- Contains: 56 Sockets and Accessories, 24 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 165.0 lbs.



99 PC METRIC HEAVY EQUIPMENT SET WITH TOP CHEST J442719-8RD

METRIC

Product #: J98322

- 99 Pieces.
- 3/8", 1/2", 3/4" Drive Tools.
- Designed for fastener sizes 7 mm - 60 mm.
- Contains: 56 Sockets and Accessories, 24 Wrenches, 8 Striking and Struck Tools, 5 Pliers, 3 Screwdrivers, 3 Miscellaneous Tools.
- Weight: 231.0 lbs.



411 PC AIRCRAFT MAINTENANCE SET

Product #: JTS-0411AIR

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Tools only.
- Contains: 173 Sockets and Accessories, 107 Wrenches, 17 Striking and Struck Tools, 17 Pliers, 40 Screwdrivers, 57 Miscellaneous Tools.
- Enhanced version of Proto® J98200 Aircraft Maintenance Set.
- Weight: 129.0 lbs



Representative Image; Contents May Differ

Contents	Description
J5112	Adapter, Torque 3/8" DR 3/8"
J5114	Adapter, Torque 3/8" DR 7/16"
J5116	Adapter, Torque 3/8" DR 1/2"
J5118	Adapter, Torque 3/8" DR 9/16"
J5120	Adapter, Torque 3/8" DR 5/8"
J5122	Adapter, Torque 3/8" DR 11/16"
J5124	Adapter, Torque 3/8" DR 3/4"
J5126	Adapter, Torque 3/8" DR 13/16"
J5128	Adapter, Torque 3/8" DR 7/8"
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2116	Bar, Pry Aligning 16"
J725/16	Chisel, Cape 13/64"
J86A1/4	Chisel, Cold 5/16"
J86A3/8	Chisel, Cold 7/16"
J86A7/16	Chisel, Cold 1/2"
J765/16	Chisel, Diamond PT 3/16"
J4769	Driver, 1/4" DR
J4759L	Extension, Locking 1/4" DR 2"
J4761L	Extension, Locking 1/4" DR 6"
J5261	Extension, 3/8" DR 8"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5262	Extension, 3/8" DR 12"

Contents	Description
J5260-06L	Extension, Locking 3/8" DR 6"
J5262L	Extension, Locking 3/8" DR 12"
J5461L	Extension, Locking 1/2" DR 5"
J5463L	Extension, Locking 1/2" DR 10"
J4760W	Extension, Wobble 1/4" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5461W	Extension, Wobble 1/2" DR 5"
J000AA	Feeler Gauge, 25 Blade Master Set
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
J2337	Flexible Carbon Scraper
J2344	Retrieval Tool, Flexible
J2336	Gasket Scraper and Carbon Scraper
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
J1316PD	Hammer, Ball Pein 16 oz.
J1308PD	Hammer, Ball Pein 8 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-533	Hammer, Compo-Cast® Soft-Face 42 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5285	Handle, Sliding T 3/8" DR
J5480G	Handle, Speed 1/2" DR
J4780G	Handle, Speed 1/4" DR
J5280G	Handle, Speed 3/8" DR
J4980	Hex Key, 13 PC Standard Set
J5467	Handle, Hinge 1/2" DR 15-3/4"
J2108	Holder, Punch and Chisel

(CONTINUED ON NEXT PAGE)



411 PC AIRCRAFT MAINTENANCE SET (CONTINUED)

Product #: JTS-0411AIR

Contents	Description
10-189C	Knife, Self-Retracting Utility
J2373	Mirror, Rectangular Telescoping 2-1/8"
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9211H	Nut Driver, 11/32" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft
J9214H	Nut Driver, 7/16" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J2806SMP	Pliers, 6 PC Mini Set
J253G	Pliers, Cannon Plug Soft Jaw 9/12"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J298	Pliers, Wire Strippers 8-1/4"
J197	Pliers, Wire Twister Reversible 11"
J2306	Puller, Cotter Pin Tool
J413/8	Punch, Center 3/8"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J503/16	Punch, Starting 1/16"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J4749HS	Ratchet, 1/4" DR Aerospace
J4749XL	Ratchet, 1/4" DR Standard Length Pear Head
J5249HS	Ratchet, 3/8" DR Aerospace
J5248S	Ratchet, 3/8" DR Stubby
J5247	Ratchet, Adapter 3/8" DR 5/16"
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head
J2375	Retrieval Tool, Pocket Magnetic
46-123	Square, Combination Prem Etched Blade 12"
28-240	Scraper, Flexible Nylon 1-1/4"
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88004	Screwdriver Slotted Round 4"
J88010	Screwdriver Slotted Round 10"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88206	Screwdriver, Slotted Cabinet, Round 1/8" x 6"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J88006	Screwdriver, Slotted Round 6"
J88008	Screwdriver, Slotted Round 8"

Contents	Description
J341/4	Offset Screwdriver, Phillips®
J343/8	Offset Screwdriver, Phillips®
J361/4	Offset Screwdriver, Standard Tip
J363/8	Offset Screwdriver, Standard Tip
J9322	Screwdriver, Magnetic Ratcheting Bit Set
J000K	Gauge, Spark Plug Gap Gauge Set
J303L	Snips, Aviation Left
J303R	Snips, Aviation Right
J303S	Snips, Aviation Straight
J4706T	Socket, 1/4" DR 3/16" 12 PT
J4707T	Socket, 1/4" DR 7/32" 12 PT
J4708T	Socket, 1/4" DR 1/4" 12 PT
J4709T	Socket, 1/4" DR 9/32" 12 PT
J4710T	Socket, 1/4" DR 5/16" 12 PT
J4711T	Socket, 1/4" DR 11/32" 12 PT
J4712T	Socket, 1/4" DR 3/8" 12 PT
J4714T	Socket, 1/4" DR 7/16" 12 PT
J4716T	Socket, 1/4" DR 1/2" 12 PT
J4718T	Socket, 1/4" DR 9/16" 12 PT
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep
J4706SPL	Socket, 1/4" DR 3/16" #6 Spline
J4707SPL	Socket, 1/4" DR 7/32" #7 Spline
J4708SPL	Socket, 1/4" DR 1/4" #8 Spline
J4709SPL	Socket, 1/4" DR 9/32" #9 Spline
J4710SPL	Socket, 1/4" DR 5/16" #10 Spline
J4712SPL	Socket, 1/4" DR 3/8" #12 Spline
J4714SPL	Socket, 1/4" DR 7/16" #14 Spline
J4706DPL	Socket, 1/4" DR 3/16" #6 Spline Deep
J4707DPL	Socket, 1/4" DR 7/32" #7 Spline Deep
J4708DPL	Socket, 1/4" DR 1/4" #8 Spline Deep
J4709DPL	Socket, 1/4" DR 9/32" #9 Spline Deep
J4710DPL	Socket, 1/4" DR 5/16" #10 Spline Deep
J4712DPL	Socket, 1/4" DR 3/8" #12 Spline Deep
J4714DPL	Socket, 1/4" DR 7/16" #14 Spline Deep
J5208S	Socket, 3/8" DR 1/4" 8 PT
J5210S	Socket, 3/8" DR 5/16" 8 PT
J5212S	Socket, 3/8" DR 3/8" 8 PT
J5214S	Socket, 3/8" DR 7/16" 8 PT
J5216S	Socket, 3/8" DR 1/2" 8 PT
J5208	Socket, 3/8" DR 1/4" 12 PT
J5210	Socket, 3/8" DR 5/16" 12 PT
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT

Contents	Description
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5230	Socket, 3/8" DR 15/16" 12 PT
J5232	Socket, 3/8" DR 1" 12 PT
J5008	Socket, 3/8" DR 1/4" 12 PT Deep
J5010	Socket, 3/8" DR 5/16" 12 PT Deep
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J5030	Socket, 3/8" DR 15/16" 12 PT Deep
J5032	Socket, 3/8" DR 1" 12 PT Deep
J5212SPL	Socket, 3/8" DR 3/8" #12 Spline
J5214SPL	Socket, 3/8" DR 7/16" #14 Spline
J5216SPL	Socket, 3/8" DR 1/2" #16 Spline
J5218SPL	Socket, 3/8" DR 9/16" #18 Spline
J5220SPL	Socket, 3/8" DR 5/8" #20 Spline
J5012DPL	Socket, 3/8" DR 3/8" #12 Spline Deep
J5014DPL	Socket, 3/8" DR 7/16" #14 Spline Deep
J5016DPL	Socket, 3/8" DR 1/2" #16 Spline Deep
J5018DPL	Socket, 3/8" DR 9/16" #18 Spline Deep
J5020DPL	Socket, 3/8" DR 5/8" #20 Spline Deep
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5416SPL	Socket, 1/2" DR 1/2" #16 Spline
J5418SPL	Socket, 1/2" DR 9/16" #18 Spline
J5420SPL	Socket, 1/2" DR 5/8" #20 Spline
J5422SPL	Socket, 1/2" DR 11/16" #22 Spline
J5424SPL	Socket, 1/2" DR 3/4" #24 Spline
J5426SPL	Socket, 1/2" DR 13/16" #26 Spline
J5428SPL	Socket, 1/2" DR 7/8" #28 Spline
J5430SPL	Socket, 1/2" DR 15/16" #30 Spline
J5316DPL	Socket, 1/2" DR 1/2" #16 Spline Deep
J5318DPL	Socket, 1/2" DR 9/16" #18 Spline Deep
J5320DPL	Socket, 1/2" DR 5/8" #20 Spline Deep
J5322DPL	Socket, 1/2" DR 11/16" #22 Spline Deep
J5324DPL	Socket, 1/2" DR 3/4" #24 Spline Deep
J5326DPL	Socket, 1/2" DR 13/16" #26 Spline Deep
J5328DPL	Socket, 1/2" DR 7/8" #28 Spline Deep
J5330DPL	Socket, 1/2" DR 15/16" #30 Spline Deep
J5241	Socket, Bit 3/8" DR #2 Phillips®
J5242	Socket, Bit 3/8" DR #3 Phillips®
J5243	Socket, Bit 3/8" DR #4 Phillips®
J5246	Socket, Bit 3/8" DR Slotted

Contents	Description
J69X09	Socket, Extractor 1/4" DR 7 mm
J69X10	Socket, Extractor 1/4" DR 8 mm
J69X11	Socket, Extractor 1/4" DR 9 mm
J69X13	Socket, Extractor 1/4" DR 10 mm
J69X14	Socket, Extractor 1/4" DR 11 mm
J69X15	Socket, Extractor 1/4" DR 12 mm
J69X16	Socket, Extractor 1/4" DR 13 mm
J69X18	Socket, Extractor 1/4" DR 14 mm
J69X20	Socket, Extractor 1/4" DR 15 mm
J69X12	Socket, Extractor 3/8"
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J5277A	Socket, Universal 3/8" DR 5/8" 12 PT
J5278A	Socket, Universal 3/8" DR 11/16" 12 PT
J5279A	Socket, Universal 3/8" DR 3/4" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J704L	Wrench, Adjustable Clik-Stop® Chrome, 4"
J708L	Wrench, Adjustable Clik-Stop® Chrome, 8"
J712L	Wrench, Adjustable Clik-Stop® Chrome, 12"
J3112	Wrench, Angle 3/8"
J3114	Wrench, Angle 7/16"
J3116	Wrench, Angle 1/2"
J3118	Wrench, Angle 9/16"
J3120	Wrench, Angle 5/8"
J3122	Wrench, Angle 11/16"
J3124	Wrench, Angle 3/4"
J3126	Wrench, Angle 13/16"
J3128	Wrench, Angle 7/8"
J3130	Wrench, Angle 15/16"
J3132	Wrench, Angle 1"
J3134	Wrench, Angle 1-1/16"
J3136	Wrench, Angle 1-1/8"
J3140	Wrench, Angle 1-1/4"

(CONTINUED ON NEXT PAGE)



411 PC AIRCRAFT MAINTENANCE SET (CONTINUED)

Product #: JTS-0411AIR

Contents	Description
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J8180	Wrench, Box 3/8" x 7/16" 12 PT Deep
J8181	Wrench, Box 1/2" x 9/16" 12 PT Deep
J8182	Wrench, Box 5/8" x 11/16" 12 PT
J8183A	Wrench, Box 11/16" x 13/16" 12 PT
J8184	Wrench, Box 3/4" x 7/8" 12 PT Deep
J8185	Wrench, Box 15/16" x 1" 12 PT Deep
JSBV0709	Wrench, Box Reversible Spline 7/32" x 9/32"
JSBV0810	Wrench, Box Reversible Spline 1/4" x 5/16"
JSBV1214	Wrench, Box Reversible Spline 3/8" x 7/16"
JSBV1618	Wrench, Box Reversible Spline 1/2" x 9/16"
JSBV2022	Wrench, Box Reversible Spline 5/8" x 11/16"
JSBV2428	Wrench, Box Reversible Spline 3/4" x 7/8"
JSBV2630	Wrench, Box Reversible Spline 13/16" x 15/16"
JSBV3236	Wrench, Box Reversible Spline 1" x 1-1/8"
J1210-T500	Wrench, Combination 5/16" ASD FP 12 PT
J1212-T500	Wrench, Combination 3/8" ASD FP 12 PT
J1214-T500	Wrench, Combination 7/16" ASD FP 12 PT
J1216-T500	Wrench, Combination 1/2" ASD FP 12 PT
J1218-T500	Wrench, Combination 9/16" ASD FP 12 PT
J1220-T500	Wrench, Combination 5/8" ASD FP 12 PT
J1222-T500	Wrench, Combination 11/16" ASD FP 12 PT
J1224-T500	Wrench, Combination 3/4" ASD FP 12 PT
J1226-T500	Wrench, Combination 13/16" ASD FP 12 PT
J1228-T500	Wrench, Combination 7/8" ASD FP 12 PT
J1230-T500	Wrench, Combination 15/16" ASD FP 12 PT
J1232-T500	Wrench, Combination 1" ASD FP 12 PT
J1234-T500	Wrench, Combination 1-1/16" ASD FP 12 PT
J1236-T500	Wrench, Combination 1-1/8" ASD FP 12 PT
J1240-T500	Wrench, Combination 1-1/4" ASD FP 12 PT
JSCV09	Wrench, Combination Reversible Spline 9/32" #9
JSCV10	Wrench, Combination Reversible Spline 5/16" #10
JSCV12	Wrench, Combination Reversible Spline 3/8" #12
JSCV14	Wrench, Combination Reversible Spline 7/16" #14
JSCV16	Wrench, Combination Reversible Spline 1/2" #16
JSCV18	Wrench, Combination Reversible Spline 9/16" #18
JSCV20	Wrench, Combination Reversible Spline 5/8" #20
JSCV22	Wrench, Combination Reversible Spline 11/16" #22
JSCV24	Wrench, Combination Reversible Spline 3/4" #24
JSCVM07	Wrench, Combination Reversible Spline 7 mm
JSCVM08	Wrench, Combination Reversible Spline 8 mm
JSCVM09	Wrench, Combination Reversible Spline 9 mm

Contents	Description
JSCVM10	Wrench, Combination Reversible Spline 10 mm
JSCVM11	Wrench, Combination Reversible Spline 11 mm
JSCVM12	Wrench, Combination Reversible Spline 12 mm
JSCVM13	Wrench, Combination Reversible Spline 13 mm
JSCVM14	Wrench, Combination Reversible Spline 14 mm
JSCVM15	Wrench, Combination Reversible Spline 15 mm
JSCVM16	Wrench, Combination Reversible Spline 16 mm
JSCVM17	Wrench, Combination Reversible Spline 17 mm
JSCVM18	Wrench, Combination Reversible Spline 18 mm
JSCVM19	Wrench, Combination Reversible Spline 19 mm
J4708CF	Wrench, Crowfoot 1/4" DR 1/4" Open End
J4710CF	Wrench, Crowfoot 1/4" DR 5/16" Open End
J4712CF	Wrench, Crowfoot 1/4" DR 3/8" Open End
J4714CF	Wrench, Crowfoot 1/4" DR 7/16" Open End
J4716CF	Wrench, Crowfoot 1/4" DR 1/2" Open End
J4718CF	Wrench, Crowfoot 1/4" DR 9/16" Open End
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4930CF	Wrench, Crowfoot 3/8" DR 15/16" Open End
J4932CF	Wrench, Crowfoot 3/8" DR 1" Open End
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J3425	Wrench, Tappet 7/16" x 1/2" Thin
J3426	Wrench, Tappet 1/2" x 9/16" Thin
J3430	Wrench, Tappet 9/16" x 5/8" Thin
J3435	Wrench, Tappet 11/16" x 3/4" Thin
J3440	Wrench, Tappet 13/16" x 7/8" Thin
J6064C	Wrench, Torque 3/8" DR 40-200 in-lbs
J6066C	Wrench, Torque 3/8" DR 100-1000 in-lbs
J6072C	Wrench, Torque 1/2" DR 600-3000 in-lbs

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

411 PC AIRCRAFT MAINTENANCE SET WITH ROLLER CABINET J453411-8RD

Product #: JTS-0411AIRBX1

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Contains: 164 Sockets and Accessories, 107 Wrenches, 16 Striking and Struck Tools, 20 Pliers, 38 Screwdrivers, 66 Miscellaneous Tools.
- Enhanced version of Proto® J98201 Aircraft Maintenance Set.
- Weight: 438.0 lbs.





Representative Image; Contents May Differ

411 PC AIRCRAFT MAINTENANCE SET WITH ROLLER CABINET J442742-12RD AND TOP CHEST J442719-6RD

Product #: JTS-0411AIRBX2

- 411 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 1/16" - 1".
- Contains: 164 Sockets and Accessories, 107 Wrenches, 16 Striking and Struck Tools, 20 Pliers, 38 Screwdrivers, 66 Miscellaneous Tools.
- Enhanced version of Proto® J98202 Aircraft Maintenance Set.
- Weight: 339.0 lbs.





Representative Image; Contents May Differ

116 PC AIRCRAFT MECHANIC'S STARTER SET

Product #: JTS-0116AIR

- 116 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 5/64" - 7/8".
- Tools only.
- Contains: 43 Sockets and Accessories, 16 Wrenches, 8 Striking and Struck Tools, 11 Pliers, 23 Screwdrivers, 15 Miscellaneous Tools.
- Enhanced version of Proto® J98220 Aircraft Mechanic's Starter Set.
- Weight: 38.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5253	Adapter 3/8" F x 1/2" M
J4770A	Adapter, Universal Joint 1/4" DR
J5270A	Adapter, Universal Joint 3/8" DR
J86A1/2	Chisel, Cold 5/8"
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5262	Extension, 3/8" DR 12"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J000AA	Feeler Gauge, 25 Blade Master Set
J2344	Retrieval Tool, Flexible
J1308PD	Hammer, Ball Pein 8 oz.
57-595	Hammer, Soft Face 16 oz.
J5265	Handle, Hinge 3/8" DR 8-1/2"
J5280G	Handle, Speed 3/8 DR
20-001	Stanley® High Tension Low Profile Hacksaw 12"
J2108	Holder, Punch and Chisel
J2373	Mirror, Rectangular Telescoping 2-1/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J297	Pliers, Wire Stripper/Cutter 6-1/16"

Contents	Description
J197	Pliers, Wire Twister Reversible 11"
J413/8	Punch, Center 3/8"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J505/16	Punch, Starting 1/8"
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
J88213	Screwdriver, Cabinet 3/16" x 3"
J88215	Screwdriver, Cabinet 3/16" x 5"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88322	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J88004	Screwdriver, Slotted Round 4"
J88006	Screwdriver, Slotted Round 6"
J341/4	Offset Screwdriver, Phillips®
J361/4	Offset Screwdriver, Standard Tip
J4982	Hex Key, 7 PC Set
J9322	Screwdriver, Magnetic Ratcheting Bit Set
J303L	Snips, Aviation Left
J303R	Snips, Aviation Right

116 PC AIRCRAFT MECHANIC'S STARTER SET (CONTINUED)

Product #: JTS-0116AIR

Contents	Description
J303S	Snips, Aviation Straight
J4706T	Socket, 1/4" DR 3/16" 12 PT
J4707T	Socket, 1/4" DR 7/32" 12 PT
J4708T	Socket, 1/4" DR 1/4" 12 PT
J4709T	Socket, 1/4" DR 9/32" 12 PT
J4710T	Socket, 1/4" DR 5/16" 12 PT
J4711T	Socket, 1/4" DR 11/32" 12 PT
J4712T	Socket, 1/4" DR 3/8" 12 PT
J4714T	Socket, 1/4" DR 7/16" 12 PT
J4716T	Socket, 1/4" DR 1/2" 12 PT
J4718T	Socket, 1/4" DR 9/16" 12 PT
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT

Contents	Description
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5328H	Socket, 1/2" DR 7/8" 6 PT Deep
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J710L	Wrench, Adjustable Clik-Stop® 10"
J1210-T500	Wrench, Combination 5/16" ASD FP 12 PT
J1212-T500	Wrench, Combination 3/8" ASD FP 12 PT
J1214-T500	Wrench, Combination 7/16" ASD FP 12 PT
J1216-T500	Wrench, Combination 1/2" ASD FP 12 PT
J1218-T500	Wrench, Combination 9/16" ASD FP 12 PT
J1220-T500	Wrench, Combination 5/8" ASD FP 12 PT
J1222-T500	Wrench, Combination 11/16" ASD FP 12 PT
J1224-T500	Wrench, Combination 3/4" ASD FP 12 PT
J1226-T500	Wrench, Combination 13/16" ASD FP 12 PT
J1228-T500	Wrench, Combination 7/8" ASD FP 12 PT
J1230-T500	Wrench, Combination 15/16" ASD FP 12 PT
J1232-T500	Wrench, Combination 1" ASD FP 12 PT
J1234-T500	Wrench, Combination 1-1/16" ASD FP 12 PT
J1236-T500	Wrench, Combination 1-1/8" ASD FP 12 PT
J1240-T500	Wrench, Combination 1-1/4" ASD FP 12 PT

116 PC AIRCRAFT MECHANIC'S STARTER SET WITH TOOL BOX J9969-NA

Product #: JTS-0116AIRBX1

- 116 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 5/64" - 7/8".
- Contains: 43 Sockets and Accessories, 16 Wrenches, 7 Striking and Struck Tools, 14 Pliers, 21 Screwdrivers, 15 Miscellaneous Tools.
- Weight: 58.0 lbs.





Representative Image; Contents May Differ

149 PC AVIONICS TECHNICIAN'S SET

Product #: JTS-0149AVI

- 149 Pieces.
- 1/4" Drive Tools.
- Designed for fastener sizes 1/8" - 3/4".
- Tools only.
- Contains: 34 Sockets and Accessories, 26 Wrenches, 9 Striking and Struck Tools, 14 Pliers, 52 Screwdrivers, 14 Miscellaneous Tools.
- Enhanced version of Proto® J98240 Avionics Technician's Set.
- Weight: 25.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J86A1/2	Chisel, Cold 5/8"
J4769	Driver, 1/4" DR
J4759L	Extension, Locking 1/4" DR 2"
J4761L	Extension, Locking 1/4" DR 6"
J4765	Extension, Flex 1/4" DR 6-1/4"
J4760W	Extension, Wobble 1/4" DR 3"
J000AA	Feeler Gauge, 25 Blade Master Set
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
J2344	Retrieval Tool, Flexible
J1304PD	Hammer, Ball Pein 4 oz.
57-530	Hammer, Compo-Cast® 10 oz.
57-595	Hammer, Soft Face 16 oz.
J2108	Holder, Punch and Chisel
J2371	Mirror, Inspect Oval 1" x 2"
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9211H	Nut Driver, 11/32" Hollow Shaft

Contents	Description
J9212H	Nut Driver, 3/8" Hollow Shaft
J9214H	Nut Driver, 7/16" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J92021/2	Nut Driver, 5/64" Midget
J9203	Nut Driver, 3/32" Midget
J92031/2	Nut Driver, 7/64" Midget
J9204	Nut Driver, 1/8" Midget
J9205	Nut Driver, 5/32" Midget
82-115	Pick and Hook, 4 PC Set
J2806SMP	Pliers, 6 PC Mini Set
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J297	Pliers, Wire Stripper/Cutter 6-1/16"
J2306	Puller, Cotter Pin Tool

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

149 PC AVIONICS TECHNICIAN'S SET (CONTINUED)

Product #: JTS-0149AVI

Contents	Description
J413/8	Punch, Center 3/8"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J505/16	Punch, Starting 1/8"
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head
J2375	Retrieval Tool, Pocket Magnetic
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88206	Screwdriver, Slotted Cabinet, Round 1/8" x 6"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88213	Screwdriver, Cabinet 3/16" x 3"
J88215	Screwdriver, Cabinet 3/16" x 5"
J88216	Screwdriver, Cabinet 3/16" x 6"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J88004	Screwdriver, Slotted Round 4"
J88006	Screwdriver, Slotted Round 6"
J341/4	Offset Screwdriver, Phillips®
J361/4	Offset Screwdriver, Standard Tip
J4982	Hex Key, 7 PC Set
J9322	Screwdriver, Magnetic Ratcheting Bit Set
66-039	Screwdriver, 6 PC Stanley® Jewelers Precision Set
J4708S	Socket, 1/4" DR 1/4" 8 PT
J4710S	Socket, 1/4" DR 5/16" 8 PT
J4712S	Socket, 1/4" DR 3/8" 8 PT
J4706T	Socket, 1/4" DR 3/16" 12 PT
J4707T	Socket, 1/4" DR 7/32" 12 PT
J4708T	Socket, 1/4" DR 1/4" 12 PT
J4709T	Socket, 1/4" DR 9/32" 12 PT
J4710T	Socket, 1/4" DR 5/16" 12 PT
J4711T	Socket, 1/4" DR 11/32" 12 PT
J4712T	Socket, 1/4" DR 3/8" 12 PT
J4714T	Socket, 1/4" DR 7/16" 12 PT
J4716T	Socket, 1/4" DR 1/2" 12 PT
J4718T	Socket, 1/4" DR 9/16" 12 PT

Contents	Description
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
33-115	Tape Rule, Measuring 1/4" x 10'
J704L	Wrench, Adjustable Clik-Stop® Chrome, 4"
J708L	Wrench, Adjustable Clik-Stop® Chrome, 8"
J3332	Wrench, Angle 1/2"
J3316	Wrench, Angle 1/4"
J3322	Wrench, Angle 11/32"
J3315	Wrench, Angle 15/64"
J3324	Wrench, Angle 3/8"
J3320	Wrench, Angle 5/16"
J3328	Wrench, Angle 7/16"
J3314	Wrench, Angle 7/32"
J3318	Wrench, Angle 9/32"
J1212-T500	Wrench, Combination 3/8" ASD FP 12 PT
J1214-T500	Wrench, Combination 7/16" ASD FP 12 PT
J1216-T500	Wrench, Combination 1/2" ASD FP 12 PT
J1218-T500	Wrench, Combination 9/16" ASD FP 12 PT
J1220-T500	Wrench, Combination 5/8" ASD FP 12 PT
J1222-T500	Wrench, Combination 11/16" ASD FP 12 PT
J1224-T500	Wrench, Combination 3/4" ASD FP 12 PT
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short

149 PC AVIONICS TECHNICIAN'S SET WITH ROLLER CABINET J453441-8RD-D

Product #: JTS-0149AVIBX1

- 149 Pieces.
- 1/4" Drive Tools.
- Designed for fastener sizes 1/8" - 3/4".
- Contains: 34 Sockets and Accessories, 26 Wrenches, 8 Striking and Struck Tools, 17 Pliers, 46 Screwdrivers, 18 Miscellaneous Tools.
- Enhanced version of Proto® J98241 Avionics Technician's Set.
- Weight: 334.0 lbs.



Representative Image; Contents May Differ



149 PC MASTER AVIONICS TECHNICIAN'S SET WITH ROLLER CABINET J442742-12RD

Product #: JTS-0149AVIBX2

- 149 Pieces.
- 1/4" Drive Tools.
- Designed for fastener sizes 3/16" - 9/16".
- Contains: 34 Sockets and Accessories, 26 Wrenches, 8 Striking and Struck Tools, 17 Pliers, 46 Screwdrivers, 18 Miscellaneous Tools.
- Weight: 235.0 lbs.



Representative Image; Contents May Differ



172 PC RAILROAD ROADWAY MECHANIC'S SET

Product #: JTS-0172RR

- 172 Pieces.
- 1/2", 3/8" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/2".
- Tools only.
- Contains: 68 Sockets and Accessories, 36 Wrenches, 16 Striking and Struck Tools, 26 Pliers, 7 Screwdrivers, 19 Miscellaneous Tools.
- Enhanced version of Proto® J98100 Railroad Roadway Mechanic's Set.
- Weight: 81.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2116	Bar, Pry Aligning 16"
J2126	Bar, 12" Long 1/2" Tip
J725/16	Chisel, Cape 13/64"
J86038	Chisel, Cold 3/8" Super Duty
J86012	Chisel, Cold 1/2" Super Duty
J86001	Chisel, Cold 1" Super Duty
J5259B	Extension, 3/8" DR 1-3/4" Black
J5260B	Extension, 3/8" DR 3" Black
J5260-06B	Extension, 3/8" DR 6" Black
J5261B	Extension, 3/8" DR 8" Black
J5460B	Extension, 1/2" DR 2-1/2" Black
J5461B	Extension, 1/2" DR 5" Black
J5463B	Extension, 1/2" DR 10" Black
J000AA	Feeler Gauge, 25 Blade Master Set
20-531	Hacksaw, FatMax® High Tension 12"

Contents	Description
J1316PD	Hammer, Ball Pein 16 oz.
JSF200	Hammer, Soft Face without Tips
JSF20T	Hammer Tip, 2" Tough
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J292NC	Pliers, Locking Curved 10"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J415/16	Punch, Center
J965/16	Punch, Drift 1/8"
J961/2	Punch, Drift 1/4"
J48116	Punch, Pin, 1/16" Super Duty

(CONTINUED ON NEXT PAGE)

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

172 PC RAILROAD ROADWAY MECHANIC'S SET (CONTINUED)

Product #: JTS-0172RR

Contents	Description
J48018	Punch, Pin, 1/8" Super Duty
J48316	Punch, Pin, 3/16" Super Duty
J48038	Punch, Pin, 3/8" Super Duty
J48532	Punch, Pin, 5/32" Super Duty
J5249BL	Ratchet, 3/8" DR Female
J5449BL	Ratchet, 1/2" DR Black
J2375	Retrieval Tool, Pocket Magnetic
J2345	Retriever and Holder Tool, Flexible
J9853	Screw Starter, Standard Tip
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88110	Screwdriver, Slotted Keystone, Square 1/4" x 10"
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J5212B	Socket, 3/8" DR 3/8" 12 PT Black Oxide
J5214B	Socket, 3/8" DR 7/16" 12 PT Black Oxide
J5216B	Socket, 3/8" DR 1/2" 12 PT Black Oxide
J5218B	Socket, 3/8" DR 9/16" 12 PT Black Oxide
J5220B	Socket, 3/8" DR 5/8" 12 PT Black Oxide
J5222B	Socket, 3/8" DR 11/16" 12 PT Black Oxide
J5224B	Socket, 3/8" DR 3/4" 12 PT Black Oxide
J5210B	Socket, 3/8" DR 5/16" 12 PT Black Oxide
J5014B	Socket, 3/8" DR 7/16" 12 PT Deep Black Oxide
J5016B	Socket, 3/8" DR 1/2" 12 PT Deep Black Oxide
J5018B	Socket, 3/8" DR 9/16" 12 PT Deep Black Oxide
J5020B	Socket, 3/8" DR 5/8" 12 PT Deep Black Oxide
J5022B	Socket, 3/8" DR 11/16" 12 PT Deep Black Oxide
J5024B	Socket, 3/8" DR 3/4" 12 PT Deep Black Oxide
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide
J5426B	Socket, 1/2" DR 13/16" 12 PT Black Oxide
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide
J5434B	Socket, 1/2" DR 1-1/16" 12 PT Black Oxide
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide
J5440B	Socket, 1/2" DR 1-1/4" 12 PT Black Oxide
J5442B	Socket, 1/2" DR 1-5/16" 12 PT Black Oxide
J5444B	Socket, 1/2" DR 1-3/8" 12 PT Black Oxide
J5446B	Socket, 1/2" DR 1-7/16" 12 PT Black Oxide
J5448B	Socket, 1/2" DR 1-1/2" 12 PT Black Oxide
J5316B	Socket, 1/2" DR 1/2" 12 PT Deep Black Oxide
J5318B	Socket, 1/2" DR 9/16" 12 PT Deep Black Oxide
J5320B	Socket, 1/2" DR 5/8" 12 PT Deep Black Oxide
J5322B	Socket, 1/2" DR 11/16" 12 PT Deep Black Oxide
J5324B	Socket, 1/2" DR 3/4" 12 PT Deep Black Oxide
J5326B	Socket, 1/2" DR 13/16" 12 PT Deep Black Oxide
J5328B	Socket, 1/2" DR 7/8" 12 PT Deep Black Oxide

Contents	Description
J5330B	Socket, 1/2" DR 15/16" 12 PT Deep Black Oxide
J5332B	Socket, 1/2" DR 1" 12 PT Deep Black Oxide
J5334B	Socket, 1/2" DR 1-1/16" 12 PT Deep Black Oxide
J5336B	Socket, 1/2" DR 1-1/8" 12 PT Deep Black Oxide
J5246	Socket, Bit 3/8" DR Slotted
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J712SL	Wrench, Adjustable Clik-Stop® 1"
J715SL	Wrench, Adjustable Clik-Stop® 1"
J708SL	Wrench, Adjustable Clik-Stop® 8"
J1212BASD	Wrench, Combination 3/8" 12 PT Black
J1214BASD	Wrench, Combination 7/16" 12 PT Black
J1216BASD	Wrench, Combination 1/2" 12 PT Black
J1218BASD	Wrench, Combination 9/16" 12 PT Black
J1220BASD	Wrench, Combination 5/8" 12 PT Black
J1222BASD	Wrench, Combination 11/16" 12 PT Black
J1224BASD	Wrench, Combination 3/4" 12 PT Black
J1226BASD	Wrench, Combination 13/16" 12 PT Black
J1228BASD	Wrench, Combination 7/8" 12 PT Black
J1230BASD	Wrench, Combination 15/16" 12 PT Black
J1232BASD	Wrench, Combination 1" 12 PT Black
J1234BASD	Wrench, Combination 1-1/16" 12 PT Black
J1236BASD	Wrench, Combination 1-1/8" 12 PT Black
J1240BASD	Wrench, Combination 1-1/4" 12 PT Black
J1244B	Wrench, Combination 1-3/8" 12 PT Black
J1246B	Wrench, Combination 1-7/16" 12 PT Black
J1248B	Wrench, Combination 1-1/2" 12 PT Black
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J810HD	Wrench, Pipe Heavy-Duty 10"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1208EF	Wrench, Short Combination 1/4" 6 PT
J1209EF	Wrench, Short Combination 9/32" 6 PT
J1210EF	Wrench, Short Combination 5/16" 6 PT
J1211EF	Wrench, Short Combination 11/32" 6 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

172 PC RAILROAD ROADWAY WITH ROLLER CABINET J453441-7RD

Product #: JTS-0172RRBX1

- 172 Pieces.
- 1/2", 3/8" Drive Tools.
- Designed for fastener sizes 1/4 - 1-1/2".
- Enhanced version of Proto® J98100 Railroad Roadway Mechanic's Set.
- Contains: 68 Sockets and Accessories, 54 Wrenches, 15 Striking and Struck Tools, 9 Pliers, 7 Screwdrivers, 19 Miscellaneous Tools.
- Enhanced version of Proto® J98101 Railroad Roadway Mechanic's Set.
- Weight: 390.0 lbs.



Representative Image; Contents May Differ



172 PC RAILROAD ROADWAY SET WITH ROLLER CABINET J442742-12RD

Product #: JTS-0172RRBX2

- 172 Pieces.
- 1/2", 3/8" Drive Tools.
- Designed for fastener sizes 1/4" - 1-1/2".
- Contains: 68 Sockets and Accessories, 54 Wrenches, 15 Striking and Struck Tools, 9 Pliers, 7 Screwdrivers, 19 Miscellaneous Tools.
- Enhanced version of Proto® J98100 Railroad Roadway Mechanic's Set.
- Weight: 291.0 lbs.



Representative Image; Contents May Differ



141 PC RAILROAD ELECTRICIAN'S SET

Product #: JTS-0141RR

- 141 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/16" - 1-1/4".
- Tools only.
- Contains: 69 Sockets and Accessories, 27 Wrenches, 5 Striking and Struck Tools, 7 Pliers, 15 Screwdrivers, 18 Miscellaneous Tools.
- Enhanced version of Proto® J98110 Railroad Electrician's Set.
- Weight: 45.0 lbs.



Representative Image; Contents May Differ

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J4770A	Adapter, Universal Joint 1/4" DR
J74470P	Adapter, Universal Joint 1/2" DR
J77270P	Adapter, Universal Joint 3/8" DR
J2116	Bar, Pry Aligning 16"
J4769	Driver, 1/4" DR
J4759	Extension, 1/4" DR 2"
J4761	Extension, 1/4" DR 6"
J5260B	Extension, 3/8" DR 3" Black
J5260-06B	Extension, 3/8" DR 6" Black
J5461B	Extension, 1/2" DR 5" Black
J5463B	Extension, 1/2" DR 10" Black
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
J1312PD	Hammer, Ball Pein 12 oz.
J5468BL	Handle Hinge 1/2" DR 18-5/8"
J5265BL	Handle Hinge 3/8" DR 8-1/2"
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9211H	Nut Driver, 11/32" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft
J9214H	Nut Driver, 7/16" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J235	Pliers, Ignition with Grip 4-1/16"
J267G	Pliers, Lineman's New England Style, 7-1/4"
J291NC	Pliers, Locking Straight 7"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
J48116	Punch Pin, 1/16" Super Duty
J48038	Punch Pin, 3/8" Super Duty
J48532	Punch Pin, 5/32" Super Duty
J5249BL	Ratchet, 3/8" DR Female
J4749BL	Ratchet, 1/4" DR Black
J5449BL	Ratchet, 1/2" DR Black
J9866	Screw Starter, Double End
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88103	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88110	Screwdriver, Slotted Keystone, Square 1/4" x 10"
J4706	Socket, 1/4" DR 3/16" 6 PT
J4707	Socket, 1/4" DR 7/32" 6 PT
J4708	Socket, 1/4" DR 1/4" 6 PT
J4709	Socket, 1/4" DR 9/32" 6 PT
J4710	Socket, 1/4" DR 5/16" 6 PT
J4711	Socket, 1/4" DR 11/32" 6 PT
J4712	Socket, 1/4" DR 3/8" 6 PT
J4714	Socket, 1/4" DR 7/16" 6 PT
J4716	Socket, 1/4" DR 1/2" 6 PT
J4718	Socket, 1/4" DR 9/16" 6 PT
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep

Contents	Description
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep
J5210B	Socket, 3/8" DR 5/16" 12 PT Black Oxide
J5212B	Socket, 3/8" DR 3/8" 12 PT Black Oxide
J5214B	Socket, 3/8" DR 7/16" 12 PT Black Oxide
J5216B	Socket, 3/8" DR 1/2" 12 PT Black Oxide
J5218B	Socket, 3/8" DR 9/16" 12 PT Black Oxide
J5220B	Socket, 3/8" DR 5/8" 12 PT Black Oxide
J5222B	Socket, 3/8" DR 11/16" 12 PT Black Oxide
J5224B	Socket, 3/8" DR 3/4" 12 PT Black Oxide
J5012B	Socket, 3/8" DR 3/8" 12 PT Deep Black Oxide
J5014B	Socket, 3/8" DR 7/16" 12 PT Deep Black Oxide
J5016B	Socket, 3/8" DR 1/2" 12 PT Deep Black Oxide
J5018B	Socket, 3/8" DR 9/16" 12 PT Deep Black Oxide
J5020B	Socket, 3/8" DR 5/8" 12 PT Deep Black Oxide
J5022B	Socket, 3/8" DR 11/16" 12 PT Deep Black Oxide
J5024B	Socket, 3/8" DR 3/4" 12 PT Deep Black Oxide
J5028B	Socket, 3/8" DR 7/8" 12 PT Deep Black Oxide
J5412B	Socket, 1/2" DR 3/8" 12 PT Black Oxide
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide
J5426B	Socket, 1/2" DR 13/16" 12 PT Black Oxide
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide
J5434B	Socket, 1/2" DR 1-1/16" 12 PT Black Oxide
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide
J5440B	Socket, 1/2" DR 1-1/4" 12 PT Black Oxide
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
33-725	Tape Rule, FatMax® 1-1/4" x 25'
J706SL	Wrench, Adjustable Clik-Stop® 6"
J708SL	Wrench, Adjustable Clik-Stop® 8"
J3210	Wrench, Angle 13/64" x 15/64" Short
J3215	Wrench, Angle 7/32" x 1/4" Short
J3211	Wrench, Angle 15/64" x 13/64" Short
J3216	Wrench, Angle 1/4" x 7/32" Short
J3220	Wrench, Angle 9/32" x 5/16" Short
J3221	Wrench, Angle 5/16" x 9/32" Short
J3225	Wrench, Angle 11/32" x 3/8" Short
J3226	Wrench, Angle 3/8" x 11/32" Short
J1212BASD	Wrench, Combination 3/8" 12 PT Black
J1214BASD	Wrench, Combination 7/16" 12 PT Black
J1216BASD	Wrench, Combination 1/2" 12 PT Black
J1218BASD	Wrench, Combination 9/16" 12 PT Black
J1220BASD	Wrench, Combination 5/8" 12 PT Black

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141 PC RAILROAD ELECTRICIAN'S SET (CONTINUED)

Product #: JTS-0141RR

Contents	Description
J1222BASD	Wrench, Combination 11/16" 12 PT Black
J1224BASD	Wrench, Combination 3/4" 12 PT Black
J1226BASD	Wrench, Combination 13/16" 12 PT Black
J1228BASD	Wrench, Combination 7/8" 12 PT Black
J1230BASD	Wrench, Combination 15/16" 12 PT Black
J1232BASD	Wrench, Combination 1" 12 PT Black

Contents	Description
J1234BASD	Wrench, Combination 1-1/16" 12 PT Black
J1236BASD	Wrench, Combination 1-1/8" 12 PT Black
J1240BASD	Wrench, Combination 1-1/4" 12 PT Black
J1192-A	Wrench, Ratcheting Box 3/8" x 7/16" 6 PT
J1193-A	Wrench, Ratcheting Box 1/2" x 9/16" 6 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT

141 PC RAILROAD ELECTRICIAN'S SET WITH TOOL BOX J9969-NA

Product #: JTS-0141RRBX1

- 141 Pieces.
- 1/4", 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/16" - 1-1/4".
- Contains: 69 Sockets and Accessories, 27 Wrenches, 5 Striking and Struck Tools, 7 Pliers, 15 Screwdrivers, 18 Miscellaneous Tools.
- Enhanced version of Proto® J98111 Railroad Electrician's Set.
- Weight: 65.0 lbs.



Representative Image; Contents May Differ



107 PC RAILROAD PIPE FITTER'S SET

Product #: JTS-0107RR

- 107 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/8" - 1-1/4".
- Tools only.
- Contains: 45 Sockets and Accessories, 25 Wrenches, 9 Striking and Struck Tools, 6 Pliers, 5 Screwdrivers, 17 Miscellaneous Tools.
- Enhanced version of Proto® J98130 Railroad Pipe Fitter's Set.
- Weight: 55.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5470A	Adapter, Universal Joint 1/2" DR
J2130	Bar, 16" Long 5/8" Tip
J721/4	Chisel, Cape 11/64
J86038	Chisel, Cold 3/8" Super Duty
J86034	Chisel, Cold 3/4" Super Duty
J5461B	Extension, 1/2" DR 5" Black
J5463B	Extension, 1/2" DR 10" Black
J5260B	Extension, 3/8" DR 3" Black
J5260-06B	Extension, 3/8" DR 6" Black
J5262B	Extension, 3/8" DR 12" Black
J7181P	Extension, Impact 1/2" DR 5"
J7183-00	Extension, Impact 1/2" DR 10"
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
J1316PD	Hammer, Ball Pein 16 oz.
J4993	Hex Key, 9 PC Folding Set
J2108	Holder, Punch and Chisel
43-511	Level, Shock-Resistant Magnetic Torpedo - 9"

Contents	Description
J2373	Mirror, Rectangular Telescoping 2-1/8"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J292NC	Pliers, Locking Curved 10"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J411/4	Punch, Center
J48018	Punch, Pin 1/8" Super Duty
J48316	Punch, Pin 3/16" Super Duty
J48038	Punch, Pin 3/8" Super Duty
J5249BL	Ratchet, 3/8" DR Female
J5449BL	Ratchet, 1/2" DR Black
J5450BL	Ratchet, 1/2" DR Black
J2377	Retriever, Magnetic
J2336	Scrapers, Gasket and Carbon
J88324	Screwdriver, Phillips® #2
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"

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107 PC RAILROAD PIPE FITTER'S SET (CONTINUED)

Product #: JTS-0107RR

Contents	Description
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J303S	Snips, Aviation Straight
J5412B	Socket, 1/2" DR 3/8" 12 PT Black Oxide
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide
J5426B	Socket, 1/2" DR 13/16" 12 PT Black Oxide
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide
J5434B	Socket, 1/2" DR 1-1/16" 12 PT Black Oxide
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide
J5438B	Socket, 1/2" DR 1-3/16" 12 PT Black Oxide
J5440B	Socket, 1/2" DR 1-1/4" 12 PT Black Oxide
J5212B	Socket, 3/8" DR 3/8" 12 PT Black Oxide
J5214B	Socket, 3/8" DR 7/16" 12 PT Black Oxide
J5216B	Socket, 3/8" DR 1/2" 12 PT Black Oxide
J5218B	Socket, 3/8" DR 9/16" 12 PT Black Oxide
J5220B	Socket, 3/8" DR 5/8" 12 PT Black Oxide
J5222B	Socket, 3/8" DR 11/16" 12 PT Black Oxide
J5224B	Socket, 3/8" DR 3/4" 12 PT Black Oxide
J5012B	Socket, 3/8" DR 3/8" 12 PT Deep Black Oxide
J5014B	Socket, 3/8" DR 7/16" 12 PT Deep Black Oxide
J5016B	Socket, 3/8" DR 1/2" 12 PT Deep Black Oxide
J5018B	Socket, 3/8" DR 9/16" 12 PT Deep Black Oxide
J5020B	Socket, 3/8" DR 5/8" 12 PT Deep Black Oxide
J5022B	Socket, 3/8" DR 11/16" 12 PT Deep Black Oxide

Contents	Description
J5024B	Socket, 3/8" DR 3/4" 12 PT Deep Black Oxide
J5028B	Socket, 3/8" DR 7/8" 12 PT Deep Black Oxide
J5240A	Socket, Bit 3/8" DR Slotted
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT
J7651	Socket, Impact Adapter 1/2"F x 3/8" M
33-116	Tape Rule, PowerLock® 3/4" x 16"
J710SL	Wrench, Adjustable Clik-Stop® 1"
J706SL	Wrench, Adjustable Clik-Stop® 6"
J708SL	Wrench, Adjustable Clik-Stop® 8"
J801	Wrench, Chain
J1212BASD	Wrench, Combination 3/8" 12 PT Black
J1214BASD	Wrench, Combination 7/16" 12 PT Black
J1216BASD	Wrench, Combination 1/2" 12 PT Black
J1218BASD	Wrench, Combination 9/16" 12 PT Black
J1220BASD	Wrench, Combination 5/8" 12 PT Black
J1222BASD	Wrench, Combination 11/16" 12 PT Black
J1224BASD	Wrench, Combination 3/4" 12 PT Black
J1226BASD	Wrench, Combination 13/16" 12 PT Black
J1228BASD	Wrench, Combination 7/8" 12 PT Black
J1230BASD	Wrench, Combination 15/16" 12 PT Black
J1232BASD	Wrench, Combination 1" 12 PT Black
J1234BASD	Wrench, Combination 1-1/16" 12 PT Black
J1236BASD	Wrench, Combination 1-1/8" 12 PT Black
J1240BASD	Wrench, Combination 1-1/4" 12 PT Black
J1725	Wrench, Obstruction 7/16" x 1/2"
J1731	Wrench, Obstruction 5/8" x 3/4"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT

107 PC RAILROAD PIPE FITTER'S SET WITH TOOL BOX J9969-NA

Product #: JTS-0107RRBX1

- 107 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/8" - 1-1/4".
- Contains: 46 Sockets and Accessories, 25 Wrenches, 8 Striking and Struck Tools, 7 Pliers, 5 Screwdrivers, 16 Miscellaneous Tools.
- Enhanced version of Proto® J98131 Railroad Pipe Fitter's Set.
- Weight: 74.0 lbs.





Representative Image; Contents May Differ

89 PC RAILROAD MACHINIST'S SET

Product #: JTS-0089RR

- 89 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/8" - 1-1/4".
- Tools only.
- Contains: 36 Sockets and Accessories, 18 Wrenches, 8 Striking and Struck Tools, 4 Pliers, 6 Screwdrivers, 17 Miscellaneous Tools.
- Enhanced version of Proto® J98120 Railroad Machinist's Set.
- Weight: 40.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J74470P	Adapter, Universal Joint 1/2" DR
J2130	Bar, 16" Long 5/8" Tip
J721/4	Chisel, Cape 11/64"
J86012	Chisel, Cold 1/2" Super Duty
J000AA	Feeler Gauge, 25 Blade Master Set
J5260B	Extension, 3/8" DR 3" Black
J5260-06B	Extension, 3/8" DR 6" Black
J5461B	Extension, 1/2" DR 5" Black
J5463B	Extension, 1/2" DR 10" Black
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
J1324PD	Hammer, Ball Pein 24 oz.
J5265BL	Handle, Hinge 3/8" DR 8-1/2"
J5468BL	Handle, Hinge 1/2" DR 18-5/8"
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J291NC	Pliers, Locking Straight 7"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J48116	Punch, Pin, 1/16" Super Duty
J48018	Punch, Pin, 1/8" Super Duty

Contents	Description
J48532	Punch, Pin, 5/32" Super Duty
J48038	Punch, Pin, 3/8" Super Duty
J5249BL	Ratchet, 3/8" DR Female
J5449BL	Ratchet, 1/2" DR Black
J2336	Scrapers, Gasket and Carbon
J88336B	Screwdriver Phillips® #3 x 6"
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88110	Screwdriver, Slotted Keystone, Square 1/4" x 10"
J5210B	Socket, 3/8" DR 5/16" 12 PT Black Oxide
J5212B	Socket, 3/8" DR 3/8" 12 PT Black Oxide
J5214B	Socket, 3/8" DR 7/16" 12 PT Black Oxide
J5216B	Socket, 3/8" DR 1/2" 12 PT Black Oxide
J5218B	Socket, 3/8" DR 9/16" 12 PT Black Oxide
J5220B	Socket, 3/8" DR 5/8" 12 PT Black Oxide
J5222B	Socket, 3/8" DR 11/16" 12 PT Black Oxide
J5224B	Socket, 3/8" DR 3/4" 12 PT Black Oxide
J5012B	Socket, 3/8" DR 3/8" 12 PT Deep Black Oxide
J5022B	Socket, 3/8" DR 11/16" 12 PT Deep Black Oxide

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89 PC RAILROAD MACHINIST'S SET (CONTINUED)

Product #: JTS-0089RR

Contents	Description
J5412B	Socket, 1/2" DR 3/8" 12 PT Black Oxide
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide
J5434B	Socket, 1/2" DR 1-1/16" 12 PT Black Oxide
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide
J5440B	Socket, 1/2" DR 1-1/4" 12 PT Black Oxide
J5273A	Socket, Universal 3/8" DR 3/8" 12 PT
J5274A	Socket, Universal 3/8" DR 7/16" 12 PT
J5275A	Socket, Universal 3/8" DR 1/2" 12 PT
J5276A	Socket, Universal 3/8" DR 9/16" 12 PT
J712SL	Wrench, Adjustable Clik-Stop® 1"

Contents	Description
J708SL	Wrench, Adjustable Clik-Stop® 8"
J1212BASD	Wrench, Combination 3/8" 12 PT Black
J1214BASD	Wrench, Combination 7/16" 12 PT Black
J1216BASD	Wrench, Combination 1/2" 12 PT Black
J1218BASD	Wrench, Combination 9/16" 12 PT Black
J1220BASD	Wrench, Combination 5/8" 12 PT Black
J1222BASD	Wrench, Combination 11/16" 12 PT Black
J1224BASD	Wrench, Combination 3/4" 12 PT Black
J1226BASD	Wrench, Combination 13/16" 12 PT Black
J1228BASD	Wrench, Combination 7/8" 12 PT Black
J1230BASD	Wrench, Combination 15/16" 12 PT Black
J1232BASD	Wrench, Combination 1" 12 PT Black
J1234BASD	Wrench, Combination 1-1/16" 12 PT Black
J1236BASD	Wrench, Combination 1-1/8" 12 PT Black
J1240BASD	Wrench, Combination 1-1/4" 12 PT Black
J1193-A	Wrench, Ratcheting Box 1/2" x 9/16" 6 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT

89 PC RAILROAD MACHINIST'S SET WITH TOOL BOX J9969-NA

Product #: JTS-0089RRBX1

- 89 Pieces.
- 3/8", 1/2" Drive Tools.
- Designed for fastener sizes 3/8" - 1-1/4".
- Contains: 36 Sockets and Accessories, 18 Wrenches, 7 Striking and Struck Tools, 5 Pliers, 6 Screwdrivers, and 17 Miscellaneous Tools.
- Enhanced version of Proto® J98121 Railroad Machinist's Set.
- Weight: 59.0 lbs.





Representative Image; Contents May Differ

67 PC RAILROAD CARMAN'S SET

Product #: JTS-0067RR

- 67 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 7/16" - 1-1/4".
- Tools only.
- Contains: 17 Sockets and Accessories, 16 Wrenches, 7 Striking and Struck Tools, 3 Pliers, 8 Screwdrivers, 16 Miscellaneous Tools.
- Enhanced version of Proto® J98140 Railroad Carman's Set.
- Weight: 41.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J2116	Bar, Pry Aligning 16"
J2130	Bar, 16" Long 5/8" Tip
J721/4	Chisel, Cape 11/64"
J86001	Chisel, Cold 1" Super Duty
J5461B	Extension, 1/2" DR 5" Black
J1332PD	Hammer, Ball Pein 32 oz.
J5468BL	Handle Hinge 1/2" DR 18-5/8"
51-616	Hammer, Hickory Handle Nailing - 16 oz.
J2108	Holder, Punch and Chisel
J4978	Hex Key, 9 PC Folding Set
43-511	Level, Shock-Resistant Magnetic Torpedo - 9"
J210G	Pliers, Diagonal Cutting with Grip 8-1/2"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J2306	Puller, Cotter Pin Tool

Contents	Description
J411/2	Punch, Center 1/2"
J961/2	Punch, Drift 1/4"
J5449BL	Ratchet, 1/2" DR Black
J2336	Scrapers, Gasket and Carbon
J88313	Screwdriver, Phillips® #1
J88324	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88110	Screwdriver, Slotted Keystone, Square 1/4" x 10"
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide

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67 PC RAILROAD CARMAN'S SET (CONTINUED)

Product #: JTS-0067RR

Contents	Description
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide
J5426B	Socket, 1/2" DR 13/16" 12 PT Black Oxide
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide
J5318B	Socket, 1/2" DR 9/16" 12 PT Deep Black Oxide
J5330B	Socket, 1/2" DR 15/16" 12 PT Deep Black Oxide
J5332B	Socket, 1/2" DR 1" 12 PT Deep Black Oxide
46-222	Square, 12" Die-Cast Combination
33-725	Tape Rule, FatMax® 1-1/4" x 25'
J712SL	Wrench, Adjustable Clik-Stop® 1"
J812HD	Wrench, Pipe 12"

Contents	Description
J1212BASD	Wrench, Combination 3/8" 12 PT Black
J1214BASD	Wrench, Combination 7/16" 12 PT Black
J1216BASD	Wrench, Combination 1/2" 12 PT Black
J1218BASD	Wrench, Combination 9/16" 12 PT Black
J1220BASD	Wrench, Combination 5/8" 12 PT Black
J1222BASD	Wrench, Combination 11/16" 12 PT Black
J1224BASD	Wrench, Combination 3/4" 12 PT Black
J1226BASD	Wrench, Combination 13/16" 12 PT Black
J1228BASD	Wrench, Combination 7/8" 12 PT Black
J1230BASD	Wrench, Combination 15/16" 12 PT Black
J1232BASD	Wrench, Combination 1" 12 PT Black
J1234BASD	Wrench, Combination 1-1/16" 12 PT Black
J1236BASD	Wrench, Combination 1-1/8" 12 PT Black
J1240BASD	Wrench, Combination 1-1/4" 12 PT Black

67 PC RAILROAD CARMAN'S SET WITH TOOL BOX J9969-NA

Product #: JTS-0067RRBX1

- 67 Pieces.
- 1/2" Drive Tools.
- Designed for fastener sizes 7/16" - 1-1/4".
- Contains: 17 Sockets and Accessories, 16 Wrenches, 6 Striking and Struck Tools, 4 Pliers, 8 Screwdrivers, 16 Miscellaneous Tools.
- Enhanced version of Proto® J98141 Railroad Carman's Set.
- Weight: 61.0 lbs.





Representative Image; Contents May Differ

105 PC BASIC TOOL SET

Product #: JTS-0105HVAC

- 105 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Contains: 28 Sockets and Accessories, 26 Wrenches, 7 Striking and Struck Tools, 8 Pliers, 13 Screwdrivers, 23 Miscellaneous Tools.
- Weight: 40.36.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J86012	Chisel, Cold 1/2" Super Duty
J86058	Chisel, Cold 5/8" Super Duty
J5259	Extension, 3/8" DR 1-3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
54-016	Stanley® Hammer, Ball Pein Hickory 16 oz.
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
10-788	Knife, QuickChange™ Retractable Blade Utility
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J2370	Mirror, Inspect Circle 7/8"
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft

Contents	Description
J9216H	Nut Driver, 1/2" Hollow Shaft
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J291NC	Pliers, Locking Straight 7"
J228G	Pliers, Needle-Nose Long Handle 7-25/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
J4029	Puller Set Box
J413/8	Punch, Center 3/8"
J48018	Punch, Pin 1/8" Super Duty
J48316	Punch, Pin 3/16" Super Duty
J5249	Ratchet, 3/8" DR
28-240	Scraper, Flexible Nylon 1-1/4"
66-095	Screwdriver, Vinyl Grip
65-903	Screwdriver, Vinyl Grip Phillips® 3 PT x 3"
66-565P	Screwdriver, 6 PC Stanley® Vinyl Grip

(CONTINUED ON NEXT PAGE)

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Phillips® is a trademark of Phillips Screw Company



105 PC BASIC TOOL SET (CONTINUED)

Product #: JTS-0105HVAC

Contents	Description
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J7210PF	Socket, Power 3/8" DR 5/16" Magnetic
J7212PF	Socket, Power 3/8" DR 3/8" Magnetic
J7214PF	Socket, Power 3/8" DR 7/16" Magnetic
J7216PF	Socket, Power 3/8" DR 1/2" Magnetic
J7218PF	Socket, Power 3/8" DR 9/16" Magnetic
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708G	Wrench, Adjustable 8" Grip

Contents	Description
J712G	Wrench, Adjustable 12" Grip
J812HD	Wrench, Pipe 12"
J1111	Wrench, Ratchet Refrigeration, 1/4" - 3/16" Sq. x 9/16
J1112	Wrench, Ratchet Refrigeration, 3/8" - 5/16" Sq. x 1/4"
J1208A	Wrench, Combination 1/4" 12 PT
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J3764	Wrench, Flare Nut 3/8" x 7/16" 6 PT
J3768	Wrench, Flare Nut 1/2" x 9/16" 6 PT
J3772	Wrench, Flare Nut 5/8" x 11/16" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"

70 PC STARTER TOOL SET

Product #: JTS-0070HVAC

- 70 Pieces.
- Contains: 19 Wrenches, 7 Striking and Struck Tools, 8 Pliers, 12 Screwdrivers, 24 Miscellaneous Tools.
- Weight: 45.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J86012	Chisel, Cold 1/2" Super Duty
J86058	Chisel, Cold 5/8" Super Duty
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
54-016	Stanley® Hammer, Ball Pein Hickory 16 oz.
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
10-788	Knife, Utility QuickChange™ Retractable Blade
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J2370	Mirror, Inspect Circle 7/8"
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J291NC	Pliers, Locking Straight 7"
J228G	Pliers, Needle-Nose Long Handle 7-25/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
J4029	Puller Set Box
J413/8	Punch, Center 3/8"
J48018	Punch, Pin 1/8" Super Duty
J48316	Punch, Pin 3/16" Super Duty
28-240	Scraper, Flexible Nylon 1-1/4"

Contents	Description
66-095	Screwdriver, Vinyl Grip
65-903	Screwdriver, Vinyl Grip Phillips® 3 PT x 3"
66-565P	Screwdriver, 6 PC Stanley® Vinyl Grip
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708G	Wrench, Adjustable, 8" Grip
J712G	Wrench, Adjustable, 12" Grip
J1208A	Wrench, Combination 1/4" 12 PT
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J3764	Wrench, Flare Nut 3/8" x 7/16" 6 PT
J3768	Wrench, Flare Nut 1/2" x 9/16" 6 PT
J3772	Wrench, Flare Nut 5/8" x 11/16" 6 PT
J812HD	Wrench, Pipe 12"
J1111	Wrench, Ratchet Refrigeration, 1/4" - 3/16" Sq. x 9/16
J1112	Wrench, Ratchet Refrigeration, 3/8" - 5/16" Sq. x 1/4

35 PC ADD-ON

Product #: JTS-0035HVAC

- 35 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Tools only.
- Contains: 28 Sockets and Accessories, 7 Wrenches.
- Weight: 7.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5259	Extension 3/8" DR, 1-3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5249	Ratchet, 3/8" DR
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep

Contents	Description
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J7210PF	Socket, Power 3/8" DR 5/16" Magnetic
J7212PF	Socket, Power 3/8" DR 3/8" Magnetic
J7214PF	Socket, Power 3/8" DR 7/16" Magnetic
J7216PF	Socket, Power 3/8" DR 1/2" Magnetic
J7218PF	Socket, Power 3/8" DR 9/16" Magnetic
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

37 PC PLUMBER'S TOOL SET

Product #: JTS-0037PLUM

- 37 Pieces.
- Contains: 10 Wrenches, 5 Striking and Struck Tools, 6 Pliers, 4 Screwdrivers, 12 Miscellaneous Tools.
- Enhanced version of Proto® 90-731 Plumber's Tool Set.
- Weight: 41.0 lbs.



Representative Image; Contents May Differ

Contents	Description
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
54-732	Hammer, Ball Pein Jacketed Graphite 32 oz.
51-505	Hammer, Jacketed Graphite Nailing CC - 16 oz.
10-788	Knife, Utility QuickChange™ Retractable Blade
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J294WRXL	Pliers, Locking Curved Jaw with Cutter 7-15/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
20-556	Saw, FatMax® Jab
15-334	Saw, Sharptooth™ 15" 9 PT
62-559	Screwdriver, Prodriver™ Phillips® 3" x #1
62-561	Screwdriver, Prodriver™ Phillips® 4" x #2
62-553	Screwdriver, Prodriver™ Std 1/4" x 4"

Contents	Description
62-555	Screwdriver, Prodriver™ Std 5/16" x 6"
16-298	Chisel, 3 PC Stanley® Cold Chisel Set
14-563	Snip, Aviation MaxSteel® Straight
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708L	Wrench, Adjustable Clik-Stop® Chrome 8"
J712L	Wrench, Adjustable Clik-Stop® Chrome 12"
J801	Wrench, Chain
J806HD	Wrench, Pipe Heavy-Duty 6"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J140-38	Wrench, Pipe Internal 3/8"
J140-12	Wrench, Pipe Internal 1/2"
J140-34	Wrench, Pipe Internal 3/4"
J140-1	Wrench, Pipe Internal 1"

30 PC CONTRACTOR'S TOOL SET

Product #: JTS-0030CONT

- 30 Pieces.
- Contains: 7 Striking and Struck Tools, 7 Screwdrivers, 16 Miscellaneous Tools.
- Enhanced version of Proto® 90-730 Contractor's Tool Set.
- Weight: 27.0 lbs.



Representative Image; Contents May Differ

Contents	Description
47-480L	Chalk Reel, Stanley® FatMax® Xtreme™
16-970	Chisel, 3 PC Stanley® FatMax® Short Blade Set
J95120	Construction Pouch, Professional 11
15-265	Hacksaw, 3-7/8"
51-941	Hammer, Antivibe® Curved Claw 16 oz.
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
43-548	Level, Stanley® FatMax® Box Beam 48"
43-609	Level, FatMax® Xtreme™ Torpedo 9"
58-230	Nail Set, 3 PC Stanley® Square Head
46-053	Quick-Square® Premium with Adjustable Arm 6-3/4"

Contents	Description
17-205	Saw, Compass Stanley® FatMax® 12"
20-527	Saw, Stanley® Fine Finish with Cushion Grip 20"
69-122	Scratch Awl, Stanley®
60-060	Screwdriver, 6 PC Stanley® Standard Fluted Set
45-500	Square, Carpenter Steel 16" x 24"
46-123	Square, Combination Prem Etched Blade 12"
47-973	Plumb Bob, Stanley® Brass 8 oz.
33-525	Tape Rule, Powerlock® 1" x 25'
34-106	Tape Rule, Stanley® Closed Case Long 3/8" x 100'
518160M	Tote, Stanley® FatMax® 18"
55-515	Wonder Bar® 13-3/8"

25 PC ELECTRICIAN'S TOOL SET

Product #: JTS-0025ELEC

- 25 Pieces.
- Contains: 1 Wrench, 1 Striking and Struck Tool, 6 Pliers, 6 Screwdrivers, 11 Miscellaneous Tools.
- Enhanced version of Proto® 90-732 Electrician's Tool Set.
- Weight: 20.0 lbs.



Representative Image; Contents May Differ

Contents	Description
J95230	Belt, Wide Web 2"
95-112W	Flashlight, Stanley® TriPod 20 LUMENS
20-001	Stanley® Hacksaw, High Tension Low Profile 12"
15-809	Stanley® Hacksaw, Metal Mini
51-505	Hammer, Jacketed Graphite Nailing CC 16 oz.
J18500	Knife, Electrician's 3-3/4"
10-788	Knife, QuickChange™ Retractable Blade Utility
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J268G	Pliers, Lineman's with Grip 8-5/8"

Contents	Description
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
20-556	Saw, FatMax® Jab
66-565P	Screwdriver, 6 PC Stanley® Vinyl Grip
33-725	Tape Rule, FatMax® 1-1/4" x 25'
511150M	Tool Bag, FatMax® Technician 12"
J708G	Wrench, Adjustable, 8" Grip

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FACOM® 39 PC 1000V VSE

Product #: FC-2184C.VSE

- For workshop or on-site electrical work.
- Supplied in case.
- Contains: 1 Wrench, 1 Striking and Struck Tool, 6 Pliers, 6 Screwdrivers, 11 miscellaneous tools.
- Weight: 32.3 lbs.



Representative Image; Contents May Differ

Contents	Description
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FA-414.45AVSE	Cutter, Cable RCH 1000V VSE 1-3/4" Diagonal
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-195.20AVSE	Pliers, Bentnose 1000V VSE 7-7/8"
FA-187.18AVSE	Pliers, Combo 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagnal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagnal Cutter 1000V VSE 6-1/2"
FA-190.16AVSE	Pliers, Endcutter 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flatnose 1000V VSE 6-1/2"
FA-180.VSE	Pliers, Multigrip 1000V VSE 10"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FM-DELA.401.00	Rule, Folding 2 mm
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slot 7-7/8"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slot 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slot 10-1/8"
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slot 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slot 10-1/2"

Contents	Description
FW-A10X200VE	Screwdriver, 1000V 10 mm Slot 12-3/4"
FW-AP1X100VE	Screwdriver, 1000V Round Bar #1 x 4"
FW-AP2X125VE	Screwdriver, 1000V Round Bar #2 x 5"
FW-AD1X100VE	Screwdriver, 1000V Pozidriv® Round Bar PZ1 x 4"
FW-AD3X150VE	Screwdriver, 1000V Pozidriv® Round Bar PZ3 x 6"
FT-701A	Tester, Multifunction
FT-BV.5A	Tool Briefcase 2184CVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6.5 in
FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm
FM-46.21AVSE	Wrench, Combination 1000V VSE 21 mm
FM-94T.8AVSE	Nut Driver, T-Handle 1000V VSE 8 mm
FM-94T.10AVSE	Nut Driver, T-Handle 1000V VSE 10 mm
FM-94T.13AVSE	Nut Driver, T-Handle 1000V VSE 13 mm

FACOM® 40 PC 1000V VSE

Product #: FC-2187C.VSE

- Supplied in leather case.
- Contains: 10 Sockets and Accessories, 9 Wrenches, 6 Pliers, 10 Screwdrivers, 6 Miscellaneous Tools.
- Weight: 19.6 lbs.



Representative Image; Contents May Differ

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4.5"
FT-BC.109VSE	Gloves, Leather Size 9"
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slotted 7-7/8"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-APOX75VE	Screwdriver, 1000V PH0

Contents	Description
FW-AP1X100VE	Screwdriver, 1000V Round Bar #1 x 4"
FW-AP2X125VE	Screwdriver, 1000V Round Bar #2 x 5"
FM-R.10AVSE	Socket, 1/4" DR 1000V VSE 10 mm
FM-R.12AVSE	Socket, 1/4" DR 1000V VSE 12 mm
FM-R.6AVSE	Socket, 1/4" DR 1000V VSE 6 mm
FM-R.7AVSE	Socket, 1/4" DR 1000V VSE 7 mm
FM-R.8AVSE	Socket, 1/4" DR 1000V VSE 8 mm
FT-AV.HT1B	Scewdriver, Volt Test 90-480V
FT-701A	Tester, Multifunction
FT-BV.7A	Tool, Briefcase
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FM-46.11AVSE	Wrench, Combination 1000V VSE 11 mm
FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm

FACOM® 28 PC 1000V VSE

Product #: FC-2185C.VSE

- Supplied in a case with modular storage.
- Basic general purpose tools supplied in a plastic box.
- Spare capacity for additional tools.
- Contains: 10 Sockets and Accessories, 1 Wrench, 6 Pliers, 7 Screwdrivers, 4 Miscellaneous Tools
- Weight: 16.51 lbs.



Representative Image; Contents May Differ

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-1/2"
FT-BC.109VSE	Gloves, Leather Size 9"
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagonal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FM-DELA.401.00	Rule, Folding 2 mm
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"

Contents	Description
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-AP1X100VE	Screwdriver, 1000V PH1
FW-AP2X125VE	Screwdriver, 1000V PH2
FT-AV.HT1B	Screwdriver, Voltage Test 90-480V
FM-R.6AVSE	Socket, 1/4 DR 1000V VSE 6 mm
FM-R.7AVSE	Socket, 1/4 DR 1000V VSE 7 mm
FM-R.8AVSE	Socket, 1/4 DR 1000V VSE 8 mm
FM-R.10AVSE	Socket, 1/4 DR 1000V VSE 10 mm
FM-R.12AVSE	Socket, 1/4 DR 1000V VSE 12 mm
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FT-BP.P26	Tool Box

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 9 PC 1000V VSE

Product #: FC-2180B.VSE

- Basic set for servicing workshop electrical gear.
- Supplied in leather case.
- Contains: 3 Screwdrivers, 4 Pliers, 2 Miscellaneous Tools.
- Weight: 4.12 lbs..



Representative Image; Contents May Differ

Contents	Description
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slot 7-7/8"

Contents	Description
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slot 10-1/8"
FW-AP1X100VE	Screwdriver, 1000V Round Bar #1 x 4"
FT-BV.100	Tool Bag, Leather 2180BVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6.5"

SUB SETS

Product #: J99485

- Weight: 43.0 lbs.

Contents	Description
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2120	Bar, Pry Aligning 18"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9525	Extractor, Screw 3/8"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J1316PD	Hammer, Ball Pein 16 oz.
57-532	Hammer, Compo-Cast® 21 oz.
J5480G	Handle, Speed 1/2 DR
J5467	Handle, Hinge 1/2" DR 15-3/4"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J5449	Ratchet, 1/2" DR
J2336	Scrapers, Gasket and Carbon
J380	Pliers, 6 PC Retaining Ring Set with Replacement Tips
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT

Contents	Description
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J710	Wrench, Adjustable 10"
J712	Wrench, Adjustable 12"
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short

SUB SETS

Product #: J99665

- Weight: 64.0 lbs.

Contents	Description
J5470A	Adapter, Universal Joint 1/2" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
15-265	Hacksaw, 3-7/8"
J1316PD	Hammer, Ball Pein 16 oz.
J5468	Handle, Hinge 1/2" DR
J5485	Handle, Sliding T 1/2" DR
J5480G	Handle, Speed 1/2" DR
J2108	Holder, Punch and Chisel
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J291NC	Pliers, Locking Straight 7"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5447	Ratchet, Adapter 1/2" DR 2-1/16"
J303S	Snips, Aviation Straight
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT

Contents	Description
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link 3/4"
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J710	Wrench, Adjustable 10"
J810HD	Wrench, Pipe Heavy-Duty 10"
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs



SUB SETS

Product #: J99825

- Weight: 42.7 lbs.

Contents	Description
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J5268	Extension, Flex 3/8" DR 8"
J1316PD	Hammer, Ball Pein 16 oz.
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
J95218	Knife, Folding Blade
J18545B	Knife, Lockback 5"
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J278G	Pliers, Slip-Joint with Grip 8-1/16"
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J963/8	Punch, Drift 3/16"
J961/2	Punch, Drift 1/4"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J475/16X5/32	Punch, Pin 5/32"
J473/8X3/16	Punch, Pin 3/16"
J477/16X7/32	Punch, Pin 7/32"
J471/2X1/4	Punch, Pin 1/4"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"

Contents	Description
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J708	Wrench, Adjustable 8"
J710	Wrench, Adjustable 10"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J808HD	Wrench, Pipe Heavy-Duty 8"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SUB SETS

Product #: J99835

- Weight: 91.0 lbs.

Contents	Description
J5470A	Adapter, Universal Joint 1/2" DR
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0" and 4", 2 Each
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5260-06W	Extension, Wobble 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
J1332PD	Hammer, Ball Pein 32 oz.
J5468	Handle, Hinge 1/2" DR
J5485	Handle, Sliding T 1/2" DR
J4780G	Handle, Speed 1/4 DR
J5480G	Handle, Speed 1/2 DR
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J1368	Mallet, Rubber
J2373	Mirror, Rectangular Telescoping 2-1/8"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J4749	Ratchet, 1/4" DR
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5447	Ratchet, Adapter 1/2" DR 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-540	Scraper, Flexible 1-1/4" Wood Handle
28-240	Scraper, Flexible Nylon 1-1/4"
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J303S	Snips, Aviation Straight
J308	Snips, Miniature
J5412S	Socket, 1/2" DR 3/8" 8 PT

Contents	Description
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link
J5446A	Socket, 1/2" DR Drag Link
J54411/4	Socket, Hex Bit 1/2 DR 1/4"
J54415/16	Socket, Hex Bit 1/2 DR 5/16"
J54413/8	Socket, Hex Bit 1/2 DR 3/8"
J54417/16	Socket, Hex Bit 1/2 DR 7/16"
J54411/2	Socket, Hex Bit 1/2 DR 1/2"
J54419/16	Socket, Hex Bit 1/2 DR 9/16"
J54415/8	Socket, Hex Bit 1/2 DR 5/8"
J4771TA	Socket, Universal 1/4 DR 1/4 12 PT
J4772TA	Socket, Universal 1/4 DR 5/16 12 PT

(CONTINUED ON NEXT PAGE)



SUB SETS (CONTINUED)

Product #: J99835

Contents	Description
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J5475A	Socket, Universal 1/2" DR 1/2" 12 PT
J5476A	Socket, Universal 1/2" DR 9/16" 12 PT
J5477A	Socket, Universal 1/2" DR 5/8" 12 PT
J712	Wrench, Adjustable 12"
J3314	Wrench, Angle 7/32"
J3315	Wrench, Angle 15/64"
J3316	Wrench, Angle 1/4"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J1204EF	Wrench, Combination 1/8" 6 PT Short
J1205EF	Wrench, Combination 5/32" 6 PT Short
J1206EF	Wrench, Combination 3/16" 6 PT Short
J1208EF	Wrench, Combination 1/4" 6 PT Short
J1209EF	Wrench, Combination 9/32" 6 PT Short
J1210EF	Wrench, Combination 5/16" 6 PT Short
J1211EF	Wrench, Combination 11/32" 6 PT Short
J1212EF	Wrench, Combination 3/8" 6 PT Short

Contents	Description
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT
J6016C	Wrench, Torque 1/2" DR 30-150 ft-lbs

SUB SETS

Product #: J99905

- Weight: 32.2 lbs.

Contents	Description
J5268	Extension, Flex 3/8" DR 8"
J1308PD	Hammer, Ball Pein 8 oz.
J1368	Mallet, Rubber
J9206	Nut Driver, 3/16"
J9207	Nut Driver, 7/32"
J9208	Nut Driver, 1/4"
J9209	Nut Driver, 9/32"
J9210	Nut Driver, 5/16"
J9211	Nut Driver, 11/32"
J9212	Nut Driver, 3/8"
J9214	Nut Driver 7/16"
J9216	Nut Driver, 1/2"
J9218	Nut Driver, 9/16"
J9220	Nut Driver, 5/8"
J206G	Pliers, Diagonal Cutting with Grip 6-1/16"
J291NC	Pliers, Locking Straight 7"
J222G	Pliers, Needle-Nose Long Thin 6-1/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J88204	Screwdriver, Slotted Cabinet, Round 1/8" x 4"
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"
J88393	Screwdriver, Phillips® #0
J88313	Screwdriver, Phillips® #1
J88318	Screwdriver, Phillips® #1
J88322	Screwdriver, Phillips® #2
J88324	Screwdriver, Phillips® #2
J88328	Screwdriver, Phillips® #2
J88336	Screwdriver, Phillips® #3
J88348	Screwdriver, Phillips® #4
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 2"
J88104	Screwdriver, Slotted Keystone, Square 1/4" x 4"
J88106	Screwdriver, Slotted Keystone, Square 1/4" x 6"
J88108	Screwdriver, Slotted Keystone, Square 1/4" x 8"
J88112	Screwdriver, Slotted Keystone, Square 1/4" x 12"
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"
J47701/16	Socket, Hex Bit 1/4" DR 1/16"
J47705/64	Socket, Hex Bit 1/4" DR 5/64"
J47703/32	Socket, Hex Bit 1/4" DR 3/32"
J47707/64	Socket, Hex Bit 1/4" DR 7/64"
J47701/8	Socket, Hex Bit 1/4" DR 1/8"
J47709/64	Socket, Hex Bit 1/4" DR 9/64"
J47705/32	Socket, Hex Bit 1/4" DR 5/32"
J47703/16	Socket, Hex Bit 1/4" DR 3/16"

Contents	Description
J47707/32	Socket, Hex Bit 1/4" DR 7/32"
J47701/4	Socket, Hex Bit 1/4" DR 1/4"
J47705/16	Socket, Hex Bit 1/4" DR 5/16"
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT
J706	Wrench, Adjustable 6"
J710	Wrench, Adjustable 10"
J3018	Wrench, Open End 1/4" x 5/16"
J3020	Wrench, Open End 3/8" x 5/16"
J3025	Wrench, Open End 7/16" x 1/2"
J3026	Wrench, Open End 1/2" x 9/16"
J3030	Wrench, Open End 9/16" x 5/8"
J3031	Wrench, Open End 5/8" x 3/4"
J3035	Wrench, Open End 11/16" x 3/4"
J3040	Wrench, Open End 13/16" x 7/8"
J3045	Wrench, Open End 15/16" x 1"
J3050	Wrench, Open End 1-1/16" x 1-1/8"
J30607	Wrench, Open End 6 mm x 7 mm
J30809	Wrench, Open End 8 mm x 9 mm
J31011	Wrench, Open End 10 mm x 11 mm
J31213	Wrench, Open End 12 mm x 13 mm
J31415	Wrench, Open End 14 mm x 15 mm
J31617	Wrench, Open End 16 mm x 17 mm
J31819	Wrench, Open End 18 mm x 19 mm
J32022	Wrench, Open End 20 mm x 22 mm
J32123	Wrench, Open End 21 mm x 23 mm
J32426	Wrench, Open End 24 mm x 26 mm
J810HD	Wrench, Pipe Heavy-Duty 10"

SUB SETS

Product #: J99915

- Weight: 110.3 lbs.

Contents	Description
J5470A	Adapter, Universal Joint 1/2" DR
J86A3/16	Chisel, Cold 1/4"
J86A1/4	Chisel, Cold 5/16"
J86A5/16	Chisel, Cold 3/8"
J86A7/16	Chisel, Cold 1/2"
J86A1/2	Chisel, Cold 5/8"
J86A5/8	Chisel, Cold 3/4"
J86A3/4X8	Chisel, Cold 7/8"
J86A7/8X8	Chisel, Cold 1"
J86A1X8	Chisel, Cold 1-3/16"
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5460	Extension, 1/2" DR 2-1/2"
J5461	Extension, 1/2" DR 5"
J5463	Extension, 1/2" DR 10"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
15-265	Hacksaw, 3-7/8"
57-532	Hammer, Compo-Cast® 21 oz.
J1430-HB	Hammer Head
J5468	Handle, Hinge 1/2" DR
J5485	Handle, Sliding T 1/2" DR
J5480G	Handle, Speed 1/2" DR
J4984	Hex Key, 9 PC Metric Set
J4980	Hex Key, 13 PC Standard Set
J2108	Holder, Punch and Chisel
10-099	Knife, Stanley® Classic 99® Retractable Blade Utility
J2373	Mirror, Rectangular Telescoping 2-1/8"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J227G	Pliers, Duckbill with Grip 7-25/32"
J272G	Pliers, End Cutting High Leverage 8-1/4"
J268G	Pliers, Lineman's with Grip 8-5/8"
J292NC	Pliers, Locking Curved 10"
J225G	Pliers, Needle-Nose Bent Nose 6-5/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J298	Pliers, Wire Strippers 8-1/4"
J413/8	Punch, Center 3/8"
J411/2	Punch, Center 1/2"
J965/16	Punch, Drift 1/8"
J961/2	Punch, Drift 1/4"
J963/8	Punch, Drift 3/16"
J471/4X3/32	Punch, Pin 3/32"
J475/16X1/8	Punch, Pin 1/8"
J473/8X3/16	Punch, Pin 3/16"
J471/2X1/4	Punch, Pin 1/4"

Contents	Description
J475/16X5/32	Punch, Pin 5/32"
J477/16X7/32	Punch, Pin 7/32"
J445/16	Punch, Prick 5/16"
J501/4	Punch, Starting 3/32"
J505/16	Punch, Starting 1/8"
J503/8	Punch, Starting 3/16"
J507/16	Punch, Starting 7/32"
J501/2	Punch, Starting 1/4"
J5449	Ratchet, 1/2" DR
J5450	Ratchet, 1/2" DR (Long Handle)
J5447	Ratchet, Adapter 1/2" DR 2/1-16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
J303S	Snips, Aviation Straight
J5412S	Socket, 1/2" DR 3/8" 8 PT
J5414S	Socket, 1/2" DR 7/16" 8 PT
J5416S	Socket, 1/2" DR 1/2" 8 PT
J5418S	Socket, 1/2" DR 9/16" 8 PT
J5420S	Socket, 1/2" DR 5/8" 8 PT
J5422S	Socket, 1/2" DR 11/16" 8 PT
J5424S	Socket, 1/2" DR 3/4" 8 PT
J5426S	Socket, 1/2" DR 13/16" 8 PT
J5428S	Socket, 1/2" DR 7/8" 8 PT
J5430	Socket, 1/2" DR 15/16" 12 PT
J5432S	Socket, 1/2" DR 1" 8 PT
J5412	Socket, 1/2" DR 3/8" 12 PT
J5414	Socket, 1/2" DR 7/16" 12 PT
J5416	Socket, 1/2" DR 1/2" 12 PT
J5418	Socket, 1/2" DR 9/16" 12 PT
J5419	Socket, 1/2" DR 19/32" 12 PT
J5420	Socket, 1/2" DR 5/8" 12 PT
J5422	Socket, 1/2" DR 11/16" 12 PT
J5424	Socket, 1/2" DR 3/4" 12 PT
J5425	Socket, 1/2" DR 25/32" 12 PT
J5426	Socket, 1/2" DR 13/16" 12 PT
J5428	Socket, 1/2" DR 7/8" 12 PT
J5429	Socket, 1/2" DR 29/32" 12 PT
J5432	Socket, 1/2" DR 1" 12 PT
J5434	Socket, 1/2" DR 1-1/16" 12 PT
J5436	Socket, 1/2" DR 1-1/8" 12 PT
J5438	Socket, 1/2" DR 1-3/16" 12 PT
J5440	Socket, 1/2" DR 1-1/4" 12 PT
J5442	Socket, 1/2" DR 1-5/16" 12 PT
J5444	Socket, 1/2" DR 1-3/8" 12 PT
J5446	Socket, 1/2" DR 1-7/16" 12 PT
J5448	Socket, 1/2" DR 1-1/2" 12 PT
J5410M	Socket, 1/2" DR 10 mm 12 PT
J5411M	Socket, 1/2" DR 11 mm 12 PT
J5412M	Socket, 1/2" DR 12 mm 12 PT
J5413M	Socket, 1/2" DR 13 mm 12 PT
J5414M	Socket, 1/2" DR 14 mm 12 PT
J5415M	Socket, 1/2" DR 15 mm 12 PT
J5416M	Socket, 1/2" DR 16 mm 12 PT
J5417M	Socket, 1/2" DR 17 mm 12 PT

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5418M	Socket, 1/2" DR 18 mm 12 PT
J5419M	Socket, 1/2" DR 19 mm 12 PT
J5420M	Socket, 1/2" DR 20 mm 12 PT
J5421M	Socket, 1/2" DR 21 mm 12 PT
J5422M	Socket, 1/2" DR 22 mm 12 PT
J5423M	Socket, 1/2" DR 23 mm 12 PT
J5424M	Socket, 1/2" DR 24 mm 12 PT
J5316	Socket, 1/2" DR 1/2" 12 PT Deep
J5318	Socket, 1/2" DR 9/16" 12 PT Deep
J5320	Socket, 1/2" DR 5/8" 12 PT Deep
J5322	Socket, 1/2" DR 11/16" 12 PT Deep
J5324	Socket, 1/2" DR 3/4" 12 PT Deep
J5326	Socket, 1/2" DR 13/16" 12 PT Deep
J5328	Socket, 1/2" DR 7/8" 12 PT Deep
J5330	Socket, 1/2" DR 15/16" 12 PT Deep
J5332	Socket, 1/2" DR 1" 12 PT Deep
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep
J5444A	Socket, 1/2" DR Drag Link
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J5475A	Socket, Universal 1/2 DR 1/2 12 PT
J5476A	Socket, Universal 1/2 DR 9/16 12 PT
J5477A	Socket, Universal 1/2 DR 5/8 12 PT
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1050M	Wrench, Box 6 x 7 mm 12 PT
J1051M	Wrench, Box 8 x 9 mm 12 PT
J1053M	Wrench, Box 10 x 11 mm 12 PT
J1057M	Wrench, Box 12 x 13 mm 12 PT
J1061M	Wrench, Box 14 x 15 mm 12 PT
J1064M	Wrench, Box 16 x 18 mm 12 PT
J1065M	Wrench, Box 17 x 19 mm 12 PT
J1072M	Wrench, Box 21 x 24 mm 12 PT
J1073M	Wrench, Box 22 x 24 mm 12 PT
J1077M	Wrench, Box 27 x 30 mm 12 PT
J1079M	Wrench, Box 30 x 32 mm 12 PT
J1244	Wrench, Combination 1-3/8" 12 PT
J1242	Wrench, Combination 1-5/16" 12 PT

Contents	Description
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J4909MCF	Wrench, Crowfoot 3/8" DR 9 mm Open End
J4910MCF	Wrench, Crowfoot 3/8" DR 10 mm Open End
J4911MCF	Wrench, Crowfoot 3/8" DR 11 mm Open End
J4912MCF	Wrench, Crowfoot 3/8" DR 12 mm Open End
J4913MCF	Wrench, Crowfoot 3/8" DR 13 mm Open End
J4914MCF	Wrench, Crowfoot 3/8" DR 14 mm Open End
J4915MCF	Wrench, Crowfoot 3/8" DR 15 mm Open End
J4916MCF	Wrench, Crowfoot 3/8" DR 16 mm Open End
J4917MCF	Wrench, Crowfoot 3/8" DR 17 mm Open End
J4918MCF	Wrench, Crowfoot 3/8" DR 18 mm Open End
J4919MCF	Wrench, Crowfoot 3/8" DR 19 mm Open End
J4920MCF	Wrench, Crowfoot 3/8" DR 20 mm Open End
J4921MCF	Wrench, Crowfoot 3/8" DR 21 mm Open End
J4922MCF	Wrench, Crowfoot 3/8" DR 22 mm Open End
J4923MCF	Wrench, Crowfoot 3/8" DR 23 mm Open End
J4924MCF	Wrench, Crowfoot 3/8" DR 24 mm Open End
J3751	Wrench, Flare Nut Combination 3/8" 6 PT
J3752	Wrench, Flare Nut Combination 7/16" 6 PT
J3753	Wrench, Flare Nut Combination 1/2" 6 PT
J3754	Wrench, Flare Nut Combination 9/16" 6 PT
J3755	Wrench, Flare Nut Combination 5/8" 6 PT
J3756	Wrench, Flare Nut Combination 11/16" 6 PT
J3757	Wrench, Flare Nut Combination 3/4" 6 PT
J3707M	Wrench, Flare Nut 7 mm x 8 mm
J3709M	Wrench, Flare Nut 9 mm x 11 mm
J3710M	Wrench, Flare Nut 10 mm x 12 mm
J3713M	Wrench, Flare Nut 13 mm x 14 mm
J3715M	Wrench, Flare Nut 15 mm x 17 mm
J814HD	Wrench, Pipe Heavy-Duty 14"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1191M-A	Wrench, Ratcheting Box 7 mm x 8 mm
J1192M-A	Wrench, Ratcheting Box 9 mm x 10 mm
J1193MA-A	Wrench, Ratcheting Box 11 mm x 12 mm
J1194MA-A	Wrench, Ratcheting Box 13 mm x 14 mm
J1195M-A	Wrench, Ratcheting Box 15 mm x 17 mm
J6014C	Wrench, Torque 1/2" DR 50-250 ft-lbs



SUB SETS

Product #: J99675

- Weight: 297.1 lbs.

Contents	Description
J2126	Bar, 12" Long 1/2" Tip
J2130	Bar, 16" Long 5/8" Tip
J2120	Bar, Pry Aligning 18"
J2124	Bar, Pry Aligning 24"
J404	C-Clamps, Capacity 0"-4", 2 Each
J9521	Extractor, Screw 1/8"
J9522	Extractor, Screw 3/16"
J9523	Extractor, Screw 15/64"
J9524	Extractor, Screw 5/16"
J9525	Extractor, Screw 3/8"
J9525B	Extractor, Screw 15/32"
J9526	Extractor, Screw 9/16"
J9527	Extractor, Screw 21/32"
J9528	Extractor, Screw 13/16"
J9529	Extractor, Screw 1-1/16"
J5660	Extension, 3/4" DR 4"
J5661	Extension, 3/4" DR 8"
J5663	Extension, 3/4" DR 16"
J5260W	Extension, Wobble 3/8" DR 3"
J5260-06W	Extension, Wobble 3/8" DR 6"
J5696	Box, Extra Heavy-Duty Set
J1430-HB	Hammer Head
J1332PD	Hammer, Ball Pein 32 oz.
57-532	Hammer, Compo-Cast® 21 oz.
57-534	Hammer, Compo-Cast® 52 oz.
J5668	Handle, Hinge 3/4" DR 20"
J5685	Handle, Sliding T 3/4" DR
J2373	Mirror, Rectangular Telescoping 2-1/8"
J227G	Pliers, Duckbill with Grip 7-25/32"
J292NC	Pliers, Locking Curved 10"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J261SG	Pliers, Tongue and Groove 5" with Grip
J262SG	Pliers, Tongue and Groove 6-1/2" with Grip
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
J298	Pliers, Wire Strippers 8-1/4"
J2306	Puller, Cotter Pin Tool
J4056-4	Puller, Jaw Reversible 4 R
J4250N	Puller, Nut Adjustable Reversible
J4056PN	Puller, Pin Pivot
J4205S	Puller, Screw Forcing Acme
J360B	Pliers, 12 PC Set Convertible Retaining Ring
J4022T	Puller, Tip Detachable Standard
J4255B	Puller, Yoke 3 Way Jaw ACM
J5649	Ratchet, 3/4" DR
J5257F	Ratchet, 3/8" DR Flex-Head 2-1/16"
J5457F	Ratchet, 1/2" DR Flex-Head 17-3/32"
J2375	Retrieval Tool, Pocket Magnetic
28-240	Scraper, Flexible Nylon 1-1/4"
28-540	Scraper, Flexible 1-1/4" Wood Handle
J2336	Scrapers, Gasket and Carbon
J9884	Screw Starter, Phillips® Tip
J9853	Screw Starter, Standard Tip
J322	Snips, Straight 12-3/4"
J308	Snips, Miniature
J5446A	Socket, 1/2" DR Drag Link
J5528	Socket, 3/4" DR 7/8" 12 PT
J5530	Socket, 3/4" DR 15/16" 12 PT
J5532	Socket, 3/4" DR 1" 12 PT
J5534	Socket, 3/4" DR 1-1/16" 12 PT
J5536	Socket, 3/4" DR 1-1/8" 12 PT
J5538	Socket, 3/4" DR 1-3/16" 12 PT
J5540	Socket, 3/4" DR 1-1/4" 12 PT
J5542	Socket, 3/4" DR 1-5/16" 12 PT
J5544	Socket, 3/4" DR 1-3/8" 12 PT
J5546	Socket, 3/4" DR 1-7/16" 12 PT
J5548	Socket, 3/4" DR 1-1/2" 12 PT
J5550	Socket, 3/4" DR 1-9/16" 12 PT
J5552	Socket, 3/4" DR 1-5/8" 12 PT
J5554	Socket, 3/4" DR 1-11/16" 12 PT
J5556	Socket, 3/4" DR 1-3/4" 12 PT
J5558	Socket, 3/4" DR 1-13/16" 12 PT
J5560	Socket, 3/4" DR 1-7/8" 12 PT
J5564	Socket, 3/4" DR 2" 12 PT
J5568	Socket, 3/4" DR 2-1/8" 12 PT
J5570	Socket, 3/4" DR 2-3/16" 12 PT
J5572	Socket, 3/4" DR 2-1/4" 12 PT
J5576	Socket, 3/4" DR 2-3/8" 12 PT
33-212	Tape Rule, Stanley® Powerlock® with Metal Case 1/2" x 12'
J5670	Adapter, Universal Joint 3/4" DR
J712	Wrench, Adjustable 12"
J715	Wrench, Adjustable 15"
J3314	Wrench, Angle 7/32"
J3316	Wrench, Angle 1/4"
J3315	Wrench, Angle 15/64"
J3318	Wrench, Angle 9/32"
J3320	Wrench, Angle 5/16"
J3322	Wrench, Angle 11/32"
J3324	Wrench, Angle 3/8"
J3328	Wrench, Angle 7/16"
J3332	Wrench, Angle 1/2"
J1170	Wrench, Box 5/16" x 3/8" 12 PT
J1171	Wrench, Box 7/16" x 1/2" 12 PT
J1172	Wrench, Box 9/16" x 5/8" 12 PT
J1173	Wrench, Box 11/16" x 3/4" 12 PT
J1174	Wrench, Box 13/16" x 7/8" 12 PT
J1175	Wrench, Box 15/16" x 1" 12 PT
J1176	Wrench, Box 1-1/16" x 1-1/8" 12 PT
J1120	Wrench, Box 5/16" x 3/8" 12 PT Short
J1122	Wrench, Box 3/8" x 7/16" 12 PT Short
J1126	Wrench, Box 1/2" x 9/16" 12 PT Short
J1131	Wrench, Box 5/8" x 3/4" 12 PT Short
J801	Wrench, Chain
J1242	Wrench, Combination 1-5/16" 12 PT

Contents	Description
J1244	Wrench, Combination 1-3/8" 12 PT
J1246	Wrench, Combination 1-7/16" 12 PT
J1248	Wrench, Combination 1-1/2" 12 PT
J4912CF	Wrench, Crowfoot 3/8" DR 3/8" Open End
J4914CF	Wrench, Crowfoot 3/8" DR 7/16" Open End
J4916CF	Wrench, Crowfoot 3/8" DR 1/2" Open End
J4918CF	Wrench, Crowfoot 3/8" DR 9/16" Open End
J4920CF	Wrench, Crowfoot 3/8" DR 5/8" Open End
J4922CF	Wrench, Crowfoot 3/8" DR 11/16" Open End
J4924CF	Wrench, Crowfoot 3/8" DR 3/4" Open End
J4926CF	Wrench, Crowfoot 3/8" DR 13/16" Open End
J4928CF	Wrench, Crowfoot 3/8" DR 7/8" Open End
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3822	Wrench, Flare Nut Ratcheting 11/16"

Contents	Description
J3824	Wrench, Flare Nut Ratcheting 3/4"
J1725	Wrench, Obstruction 7/16" x 1/2"
J1730	Wrench, Obstruction 9/16" x 5/8"
J1731	Wrench, Obstruction 5/8" x 3/4"
J814HD	Wrench, Pipe Heavy-Duty 14"
J818HD	Wrench, Pipe Heavy-Duty 18"
J1191T-A	Wrench, Ratcheting Box 1/4" x 5/16" 12 PT
J1192T-A	Wrench, Ratcheting Box 3/8" x 7/16" 12 PT
J1193T-A	Wrench, Ratcheting Box 1/2" x 9/16" 12 PT
J1194-A	Wrench, Ratcheting Box 5/8" x 11/16" 12 PT
J1195-A	Wrench, Ratcheting Box 3/4" x 7/8" 12 PT
J1270-12	Wrench, Swivel Combination 3/8" 12 PT
J1270-14	Wrench, Swivel Combination 7/16" 12 PT
J1270-16	Wrench, Swivel Combination 1/2" 12 PT
J1270-18	Wrench, Swivel Combination 9/16" 12 PT
J1270-20	Wrench, Swivel Combination 5/8" 12 PT
J1270-22	Wrench, Swivel Combination 11/16" 12 PT
J1270-24	Wrench, Swivel Combination 3/4" 12 PT

PROTO® MASTER SET CONVERSION CHART

Product ID No.	# of Pieces	Description	Suggested Replacement	# of Pieces	Description
J99950	1026	Master Technician Maintenance Set	JCS-1046MAS	1046	Master Technician Maintenance Set
J99951	1026	Master Technician Maintenance Set With Box	JCS-1046MASBX1	1046	Master Technician Maintenance Set With Box
J99952	1026	Master Technician Maintenance Set With Box	JCS-1046MASBX2	1046	Master Technician Maintenance Set With Box
J99940	821	Master Technician Maintenance Set	JCS-0833MAS	833	Master Technician Maintenance Set
J99941	821	Master Technician Maintenance Set With Box	JCS-0833MASBX1	833	Master Technician Maintenance Set With Box
J99942	821	Master Technician Maintenance Set With Box	JCS-0833MASBX2	833	Master Technician Maintenance Set With Box
J99930	613	Master Technician Maintenance Set	JCS-0613MAS	613	Master Technician Maintenance Set
J99931	613	Master Technician Maintenance Set With Box	JCS-0613MASBX1	613	Master Technician Maintenance Set With Box
J99932	613	Master Technician Maintenance Set With Box	JCS-0613MASBX2	613	Master Technician Maintenance Set With Box
J99670	254	Advanced Maintenance Set	JCS-0334MAS	334	Advanced Maintenance Set
J99671	254	Advanced Maintenance Set With Box	JCS-0334MASBX1	334	Advanced Maintenance Set With Box
J99672	254	Advanced Maintenance Set With Box	JCS-0334MASBX2	334	Advanced Maintenance Set With Box
J99560	355	Metric Master Set	JCS-0558MAS	558	Metric Master Set
J99561	355	Metric Master Set With Box	JCS-0558MASBX2	558	Metric Master Set With Box
J99562	355	Metric Master Set With Box	JCS-0558MASBX1	558	Metric Master Set With Box
J98240	111	Avionics Technician's Set	JTS-0149AVI	149	Avionics Technician's Set
J98241	111	Avionics Technician's Set With Box	JTS-0149AVIBX1	149	Avionics Technician's Set With Box
J98220	99	Aircraft Mechanic's Starter Set	JTS-0116AIR	116	Aircraft Mechanic's Starter Set
J98200	264	Aircraft Maintenance Set	JTS-0411AIR	411	Aircraft Maintenance Set
J98201	264	Aircraft Maintenance Set With Box	JTS-0411AIRBX2	411	Aircraft Maintenance Set With Box
J98202	264	Aircraft Maintenance Set With Box	JTS-0411AIRBX1	411	Aircraft Maintenance Set With Box
J98140	40	Railroad Carman's Set	JTS-0067RR	67	Railroad Carman's Set
J98141	40	Railroad Carman's Set With Box	JTS-0067RRBX1	67	Railroad Carman's Set With Box
J98130	80	Railroad Pipefitter's Set	JTS-0107RR	107	Railroad Pipefitter's Set
J98131	80	Railroad Pipefitter's Set With Box	JTS-0107RRBX1	107	Railroad Pipefitter's Set With Box
J98120	80	Railroad Machinist's Set	JTS-0089RR	89	Railroad Machinist's Set
J98121	80	Railroad Machinist's Set With Box	JTS-0089RRBX1	89	Railroad Machinist's Set With Box
J98110	129	Railroad Electrician's Set	JTS-0141RR	141	Railroad Electrician's Set
J98111	129	Railroad Electrician's Set With Box	JTS-0141RRBX1	141	Railroad Electrician's Set With Box
J98100	156	Railroad Roadway Mechanic's Set	JTS-0172RR	172	Railroad Roadway Mechanic's Set
J98101	156	Railroad Roadway Mechanic's Set With Box	JTS-0172RRBX1	172	Railroad Roadway Mechanic's Set With Box
90-732	19	Electrician's Tool Set	JTS-0025ELEC	25	Electrician's Tool Set
90-731	23	Plumber's Tool Set	JTS-0037PLUM	37	Plumber's Tool Set
90-730	21	Contractor's Tool Set	JTS-0030CONT	30	Contractor's Tool Set



RATCHETS ARE THE MOST-USED TOOLS IN ANY BOX. ESPECIALLY WHEN THEY'RE STAMPED PROTO®.

Our drive tools are super efficient with features like pear-shaped heads that fit in tight spaces, reversing levers you can switch easily with one-hand and knurled grips to prevent slippage. Our sockets are strong and sure, whether you're talking the aerospace spline variety or our standard TorquePlus™ models that all but eliminate fastener rounding. And every ratchet and socket we make is crafted to resist corrosion, stand up to use and work flawlessly every time you reach for it. Which will likely be a million times and then some.

HAND SOCKETS, DRIVE TOOLS, AND ACCESSORIES

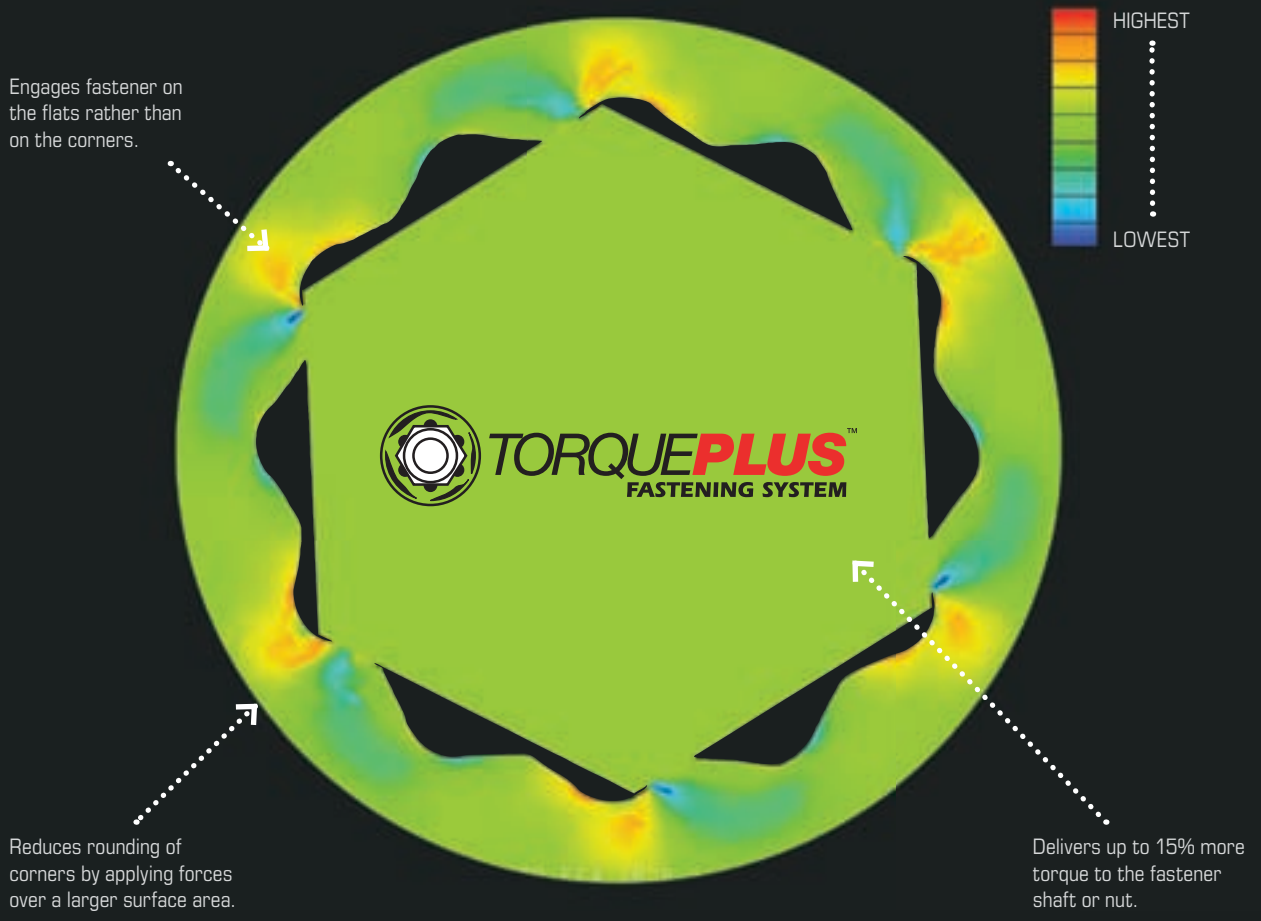


6 Point 1/4" Drive Hand Sockets

PROTO

TORQUEPLUS™ DELIVERS POWER WHERE YOU NEED IT

With TorquePlus™ technology, our sockets grip fasteners tighter than a conventional socket can, enabling you to solidly seat fasteners and more easily break stubborn fasteners free.



CONVENTIONAL SOCKETS VS TORQUEPLUS™

The difference is in the points. A TorquePlus™ socket features rounded points which allow the socket walls to contact the fastener walls, keeping pressure off the points. This engineering change helps the socket find a longer, better grip on the flat of the fastener head. All Proto® hand sockets feature the innovative TorquePlus™ design.



CONVENTIONAL 6 POINT SOCKET

TORQUEPLUS™ 6 POINT SOCKET

TORQUEPLUS™ 12 POINT SOCKET

RATCHET GUIDE

STANDARD PEAR HEAD RATCHETS
24-tooth gear produces 15° arc per click.



PREMIUM PEAR RATCHETS
45-tooth gear produces 8° arc per click. Sealed ratchet head available with Quick Release button.



AEROSPACE RATCHETS
Vertical hole drilled through drive plug. Installs frangible collars onto threaded pins.



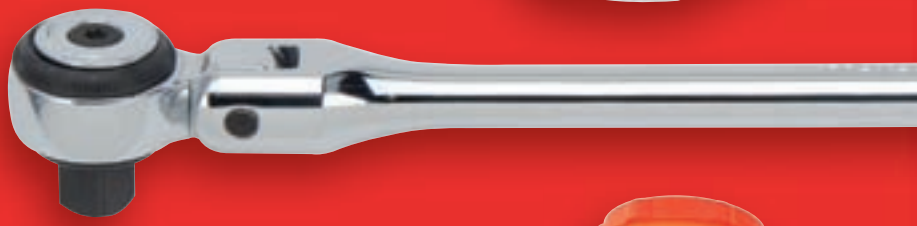
ROUND HEAD RATCHETS
72-tooth gear produces 5° arc for precision applications.



FEMALE DRIVE RATCHETS
Used on plug-end connectors like clamps, threading machines, and pipe-end caps.



FLEX-HEAD RATCHETS
Pivoting head to reach bolts at different angle.



LONG-HANDLED RATCHETS
Various lengths for extra leverage.







INSULATED RATCHETS
Insulated to 1000V AC or 1500V DC.

SPUD HANDLE RATCHETS
Lines up steel beams before the bolts are tightened.

SCAFFOLDING RATCHETS
Single-piece socket and drive tool with tether hole.





STUBBY RATCHETS
Used for tight quarters and enclosed spaces.

PROTO

SOCKETS

We offer a wide range of socket sizes with different point counts to meet an equally wide range of job site needs. The right tool for the right job is frequently a very specific tool.

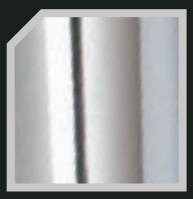


6 POINT 8 POINT 12 POINT

FINISHES

Finishes protect the tool from dirt, wear and light damage. Different finishes serve different goals and industry needs.

Polished Chrome finish is the industry standard. We upgrade ours to meet aerospace standards where applicable.



Black Oxide is used where the threat of any chrome peeling or chipping might be an issue.



Satin Chrome is used in larger sizes. The finish has more grip and better handling, especially with gloved hands.





FRACTIONAL METRIC DEEP



SPLINE SPARK PLUG UNIVERSAL

DRIVE SIZES: 1/4", 1/2", 3/4", 3/8" AND 1"

Manufactured to exceed ASME B107 specifications, Proto® sockets have a hardness rating of 47 to 51 HRC. Proto® leads the industry in the breadth and depth of its product line, and we have added more new sizes to our 1/2" Drive, 3/8" Drive and 1/4" Drive sockets.



SCREWDRIVER BITS

Allows ratchets to sink and remove fasteners quicker than standard screwdrivers. Most sets will have a good range of the standard bits, along with a mix of specialty ones.



HEX BITS

Available in both metric and fractional sizes, Proto® Hex Bits also come in different lengths. The Ball End Hex Bit allows you to pivot as much as 15° in order to reach fasteners offset from the vertical.



CROWFOOT

Frequently used where obstructions are an issue, a Crowfoot wrench, with a locking extension, can reach around pipes, tubes and rods that block direct access to the fastener.



INSULATED SOCKETS AND BITS

Used in electrical applications where it is not possible to power down the equipment being serviced. They must be used with insulated ratchets and extensions.



Torx® is a trademark of Acument Intellectual Properties, LLC
Phillips® is a trademark of Phillips Screw Company



STANDARD LENGTH PREMIUM PEAR HEAD RATCHETS

- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or black oxide finish.
- Field repairable.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XL	1/4	Full Polish	5-45/64	0.25	J4749XLRK
J4749XLBL	1/4	Black Oxide	5-45/64	0.25	J4749XLRK
J5249XL	3/8	Full Polish	8-1/2	0.86	J5249XLRK
J5249XLBL	3/8	Black Oxide	8-1/2	0.87	J5249XLRK
J5449XL	1/2	Full Polish	10-1/2	1.72	J5449XLRK
J5449XLBL	1/2	Black Oxide	10-1/2	1.72	J5449XLRK

ASME B107.500

QUICK RELEASE PREMIUM PEAR HEAD RATCHETS

- Small, pear head design for access in tight, hard to reach work areas.
- 45-tooth gear, 8° swing articulation.
- Low profile quick release button for access in restricted areas.
- Low profile reversing lever design for quick, one-hand operation.
- Patented sealed head design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components.
- Contoured, ergonomically-designed handle for comfort.
- Knurled bands allow for increased grip and slip resistance.
- Full polished handle, easy to clean.
- Double nickel chrome plated for enhanced corrosion protection meeting aerospace requirements.
- Field repairable.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XLQR	1/4	Full Polish	6-11/16	0.25	J4749XLQRRK
J4749XLQRBL	1/4	Black Oxide	6-11/16	0.25	J4749XLQRRK
J5249XLQR	3/8	Full Polish	8-1/2	0.86	J5249XLQRRK
J5249XLQRBL	3/8	Black Oxide	8-1/2	0.86	J5249XLQRRK
J5449XLQR	1/2	Full Polish	10-1/2	1.72	J5449XLQRRK
J5449XLQRBL	1/2	Black Oxide	10-1/2	1.72	J5449XLQRRK
J5450XLQR	1/2	Full Polish	15	2.18	J5449XLQRRK
J5450XLQRBL	1/2	Black Oxide	15	2.18	J5449XLQRRK

ASME B107.10

LONG HANDLE PREMIUM PEAR HEAD RATCHETS

- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or black oxide finish.
- Field repairable.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5250XL	3/8	Full Polish	11	1.03	J5249XLRK
J5250XLBL	3/8	Black Oxide	11	0.98	J5249XLRK
J5450XL	1/2	Full Polish	15	2.18	J5449XLRK
J5450XLBL	1/2	Black Oxide	15	2.18	J5449XLRK

ASME B107.500

AEROSPACE PREMIUM PEAR HEAD RATCHETS

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Unique 45-tooth gear pawl design provides 8° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.
- Full polish nickel chrome plated.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XLHS	1/4	Full Polish	5-45/64	0.25	J4749XLHSRK
J5249XLHS	3/8	Full Polish	8-1/2	0.86	J5249XLHSRK

ASME B107.500

AEROSPACE CLASSIC PEAR HEAD RATCHETS

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Metal spring clip on drive plug for positive socket retention.
- 24-tooth gear provides 15° articulation angle.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.
- Full polish double nickel chrome plated.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749HS	1/4	Full Polish	5	0.25	J4749RK
J5249HS	3/8	Full Polish	7	0.62	J5249HSRK

ASME B107.500

STUBBY CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5248S	3/8	Full Polish	5	0.28	J5249RK

ASME B107.500



STANDARD LENGTH CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth gear/floating pawl design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749	1/4	Full Polish	5	0.26	J4749RK
J4749BL	1/4	Black Oxide	5	0.24	J4749RK
J5249	3/8	Full Polish	7	0.61	J5249RK
J5249BL	3/8	Black Oxide	7	0.62	J5249RK
J5449	1/2	Full Polish	10	1.57	J5449RK
J5449BL	1/2	Black Oxide	10	1.74	J5449RK
J5649	3/4	Full Polish	20	6.00	J5649RK
J5649BL	3/4	Black Oxide	20	6.00	J5649RK

ASME B107.500

CLASSIC PEAR HEAD RATCHET WITH OVERSIZED REVERSE LEVER

- Oversized reverse lever for easy reversing while wearing work gloves.
- Reversing lever designed for quick one-hand operation.
- Ideal ratchet for lineman operations.
- Robust 24-tooth gear/floating pawl design provides 15° ratcheting angle while maximizing ultimate torque.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5449UT	1/2	Full Polish	10	1.50	J5449UTRK

ASME B107.500

LONG HANDLE CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth gear/floating pawl design provides 15° ratcheting angle while maximizing ultimate torque.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5250	3/8	Full Polish	11	0.89	J5249RK
J5250BL	3/8	Black Oxide	11	0.81	J5249RK
J5450	1/2	Full Polish	16	2.03	J5449RK
J5450BL	1/2	Black Oxide	16	2.03	J5449RK

ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



CLASSIC PEAR HEAD RATCHET - MALE/FEMALE

- An extra safety factor is provided through the use of a spring-loaded pellet in each male drive plug that snaps into a hole in the drive end of the socket and acts as a retaining pin. The socket stays locked on until the pellet is depressed and the socket is removed.
- Robust 24-tooth gear design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5849	1	Full Polish	26	13.02	J5849RK

ASME B107.500

FEMALE DRIVE RATCHETS

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.
- Made of heat-treated alloy steel.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249FW	3/8	Full Polish	7	0.56	J5249FWRK
J5450FW	1/2	Full Polish	16	1.82	J5450FWRK
J5649FW	3/4	Satin	20	5.62	J5649FWRK

ASME B107.500

STANDARD LENGTH ROUND HEAD RATCHETS

- Round head ratchet mechanism allows for a compact head.
- 72-tooth = 5° swing arc.
- Small head design and tight swing arc allow for fastener access in tight areas.
- Full polish or black oxide finish with knurled grip for strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4752F	1/4	Full Polish	4-1/2	0.26	J4752FRK
J4752FBL	1/4	Black Oxide	4-1/2	0.24	J4752FRK
J5252F	3/8	Full Polish	7-3/8	0.57	J5252FRK
J5252FBL	3/8	Black Oxide	7-3/8	0.57	J5252FRK
J5452F	1/2	Full Polish	9-3/8	1.12	J5452FRK
J5452FBL	1/2	Black Oxide	9-3/8	1.12	J5452FRK

ASME B107.500

LONG HANDLE ROUND HEAD RATCHET

- Round head ratchet mechanism allows for a compact head.
- 72-tooth = 5° swing arc.
- Small head design and tight swing arc allow for fastener access in tight areas.
- Full polish shaft with knurled grip for strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5454F	1/2	Full Polish	15	1.65	J5452FRK

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

FLEX-HEAD RATCHETS

- 180° flex.
- 72-tooth gear.
- 5° ratcheting angle.
- Small head design and tight swing to allow access to fastener in a tight area.
- Full polish shaft with knurled grip allows for a strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4757F	1/4	Full Polish	6-37/64	0.32	J4752FRK
J5257F	3/8	Full Polish	8-1/2	0.86	J5252FRK
J5457F	1/2	Full Polish	17-3/32	1.53	J5452FRK

ASME B107.500

FACOM® INSULATED RATCHETS

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.



Product #	Drive Size (in)	Overall Length (in)	Weight (lbs)
FT-R.151AVSE	1/4	4-7/8	0.28
FT-J.151AVSE	3/8	7	0.53
FT-S.151AVSE	1/2	10-3/8	1.24

SPUD HANDLE RATCHET

- Tapered handle for aligning bolt holes.
- Spring-loaded pellet in male drive plug.
- Black oxide finish.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5449-14BL	1/2	Black Oxide	14	2.03

ASME B107.500

SCAFFOLDING RATCHET

- The scaffold ratchet is designed for working with scaffolding and other construction applications.
- Socket retained with through hole and pin for safety.
- Hammer tip reduces vibration and protects fasteners against distortion.
- Hole in ratchet handle to be used with tether strap.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5449SC	1/2	Full Polish	10	2.01

SPINNER RATCHETS

- Made from alloy steel.
- Heat-treated for strength and durability.
- Fits on the drive end of the ratchet for quickly running down the fastener before final tightening with the ratchet.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5251	3/8	Full Polish	1-1/2	0.56

ASME B107.500



SOCKET DRIVERS

- 1/4" square female drive in handle.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4769	1/4	Full Polish	6	0.22

ASME B107.500



FLEXIBLE DRIVERS

- Flexible shaft for bending around obstructions in low torque applications.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4764	1/4	Chrome	6-3/4	0.19
J5267	3/8	Chrome	9	0.35



RATCHET ADAPTERS

- Converts standard handles to ratcheting handles.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5247	3/8	Full Polish	2-1/16	0.34
J5447	1/2	Full Polish	2-21/32	0.86
J5647	3/4	Full Polish	3-3/4	2.38

ASME B107.500



PEAR HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4749XLRK	1/4	J4749XL	0.04
J4749XLHSRK	1/4	J4749XLHS	0.06
J4749RK	1/4	J4749	0.04
J4749HSRK	1/4	J4749HS	0.04
J5249XLRK	3/8	J5249XL	0.13
J5249FWRK	3/8	J5249FW	0.13
J5249HSRK	3/8	J5249HS	0.15
J5249XLHSRK	3/8	J5249XLHS	0.15
J5449RK	1/2	J5449	0.38
J5449UTRK	1/2	J5449UT	0.38
J5449XLRK	1/2	J5449XL	0.23
J5449-14RK	1/2	J5449-14BL	0.37
J5450FWRK	1/2	J5450FW	0.26
J5649FWRK	3/4	J5649FW	1.00
J5649RK	3/4	J5649	1.00



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Made in USA Made in USA with global components

ROUND HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4752FRK	1/4	J4752F, J4752FBL	0.10
J5252FRK	3/8	J5252F, J5252FBL, J5257F	0.60
J5452FRK	1/2	J5452F, J5452FBL, J5454F, J5457F	0.30



REVERSE CAM REPAIR KITS

Product #	Drive Size (in)	Weight (lbs)
J5649RC	3/4	0.02



HINGE HANDLES

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4766	1/4	Full Polish	5-3/4	0.22
J5265	3/8	Full Polish	8-1/2	0.58
J5265BL	3/8	Black Oxide	8-1/2	0.58
J5266	3/8	Full Polish	12	0.80
J5466	1/2	Full Polish	10-7/8	1.14
J5467	1/2	Full Polish	15-3/4	1.52
J5468	1/2	Full Polish	18-5/8	1.69
J5468BL	1/2	Black Oxide	18-5/8	1.69
J5469	1/2	Full Polish	24	2.68
J5668	3/4	Full Polish	20	4.32`
J5668BL	3/4	Black Oxide	20	4.41
J5868	1	Full Polish	27	7.56

ASME B107.500



SPEED HANDLES

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4780G	1/4	Full Polish	15-1/2	0.52
J5280G	3/8	Full Polish	17-1/2	0.86
J5480	1/2	Full Polish	18	1.51

ASME B107.500



SLIDING T-HANDLES

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4785	1/4	Full Polish	4-1/2	0.08
J5285	3/8	Full Polish	8	0.41
J5485	1/2	Full Polish	12-15/16	1.11
J5685	3/4	Full Polish	20	2.95
J5884	1	Full Polish	28-1/2	6.30

ASME B107.500



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

ELL HANDLE

- Satin finish.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5686	3/4	Satin	16	3.96



STANDARD EXTENSIONS

- Extensions help provide access to fasteners in areas that might otherwise be difficult to reach.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759	1/4	Full Polish	2	0.05
J4760	1/4	Full Polish	3	0.08
J4761	1/4	Full Polish	6	0.15
J4762	1/4	Full Polish	10	0.24
J4763	1/4	Full Polish	14-1/8	0.30
J5259	3/8	Full Polish	1-3/4	0.11
J5259B	3/8	Black Oxide	1-3/4	0.11
J5260	3/8	Full Polish	3	0.16
J5260B	3/8	Black Oxide	3	0.16
J5260-06	3/8	Full Polish	6	0.31
J5260-06B	3/8	Black Oxide	6	0.30
J5261	3/8	Full Polish	8	0.40
J5261B	3/8	Black Oxide	8	0.46
J5262	3/8	Full Polish	12	0.61
J5262B	3/8	Black Oxide	12	0.62
J5263	3/8	Full Polish	17-3/16	0.94
J5460	1/2	Full Polish	2-1/2	0.24
J5460B	1/2	Black Oxide	2-1/2	0.24
J5461	1/2	Full Polish	5	0.44
J5461B	1/2	Black Oxide	5	0.44
J5463	1/2	Full Polish	10	0.89
J5463B	1/2	Black Oxide	10	0.89
J5464	1/2	Full Polish	20	1.87
J5465	1/2	Full Polish	36	3.41
J5660	3/4	Full Polish	4	0.88
J5661	3/4	Full Polish	8	1.80
J5663	3/4	Full Polish	16	2.36
J5861	1	Full Polish	8	2.88
J5863	1	Full Polish	17	4.87

ASME B107.500

LOCKING EXTENSIONS

- One-piece extension design.
- Provides positive socket retention.
- Use where accidental socket disengagement may be a concern or safety hazard.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759L	1/4	Full Polish	2	0.07
J4761L	1/4	Full Polish	6	0.15
J5260-03L	3/8	Full Polish	3	0.21
J5260-06L	3/8	Full Polish	6	0.37
J5262L	3/8	Full Polish	12	0.71
J5460-03L	1/2	Full Polish	3	0.40
J5461L	1/2	Full Polish	5	0.55
J5463L	1/2	Full Polish	10	1.04

ASME B107.500

WOBBLE EXTENSIONS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759W	1/4	Full Polish	2	0.06
J4761W	1/4	Full Polish	6	0.14
J5259W	3/8	Full Polish	1-3/4	0.11
J5260W	3/8	Full Polish	3	0.17
J5260-06W	3/8	Full Polish	6	0.29
J5261W	3/8	Full Polish	8	0.42
J5262W	3/8	Full Polish	12	0.65
J5263W	3/8	Full Polish	17-3/16	0.92
J5460W	1/2	Full Polish	2-1/2	0.24
J5461W	1/2	Full Polish	5	0.44
J5463W	1/2	Full Polish	10	0.89
J5464W	1/2	Full Polish	20	1.90

ASME B107.500

- Provides up to 17° angle of operation.
- Socket can be pushed past the detent ball for straight driving.



FLEXIBLE EXTENSIONS

- Flexible shaft extensions help reach around obstructions in low torque applications.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4765	1/4	Full Polish	6-1/4	0.11
J5268	3/8	Black Oxide	8	0.25

ASME B107.500



DRIVE ADAPTERS

Product #	Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5255	3/8" F x 1/4" M	Full Polish	1	0.05
J5256	1/4" F x 3/8" M	Full Polish	1	0.04
J5253	3/8" F x 1/2" M	Full Polish	1-7/16	0.11
J5254	1/2" F x 3/8" M	Full Polish	1-3/8	0.13
J5653	1/2" F x 3/4" M	Full Polish	1-11/16	0.24
J5453	3/4" F x 1/2" M	Full Polish	1-7/8	0.39
J5853	3/4" F x 1" M	Full Polish	2-1/2	0.82
J5854	1" F x 3/4" M	Full Polish	2-7/8	1.27

ASME B107.500



LOCKING ADAPTERS

- Includes hex key for easy locking into drive tool.
- Knurl locking ring.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759BLS	1/4	Black Oxide	1-11/16	0.06
J5260-02BLS	3/8	Black Oxide	2-1/8	0.12
J5460-02BLS	1/2	Black Oxide	3	0.36



UNIVERSAL JOINTS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4770A	1/4	Full Polish	1-11/32	0.04
J5270A	3/8	Full Polish	1-7/8	0.13
J5470A	1/2	Full Polish	2-3/4	0.30
J5670	3/4	Full Polish	4	1.03



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 37 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47120

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8 Inch.
- 6 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Phillips® Bits #1 and #2, Standard Bits 3/8, 3/16, 1/4 Inch, Pear Head Ratchet, 2, 3, and 6 Inch Extensions, 6 Inch Flex Extension, Hinge Handle, Socket Driver, Universal Joint, Sliding T-Handle, and Blow-Molded Case.
- Weight (lbs): 5.79



Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep	ASME B107.1	
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep	ASME B107.1	
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep	ASME B107.1	
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep	ASME B107.1	
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep	ASME B107.1	
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep	ASME B107.1	
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep	ASME B107.1	
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep	ASME B107.1	
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep	ASME B107.1	
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep	ASME B107.1	
J4708S	Socket, 1/4" DR 1/4" 8 PT	ASME B107.1	
J4710S	Socket, 1/4" DR 5/16" 8 PT	ASME B107.1	
J4712S	Socket, 1/4" DR 3/8" 8 PT	ASME B107.1	
J4737	Socket, Bit 1/4" DR #1 Phillips®		
J4738	Socket, Bit 1/4" DR #2 Phillips®		
J4743	Socket, Bit 1/4" DR Slotted 1/4"		
J4744	Socket, Bit 1/4" DR Slotted 3/16"		
J4745	Socket, Bit 1/4" DR Slotted 1/4"		
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4760	Extension, 1/4" DR 3"	ASME B107.500	
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4765	Extension, Flex 1/4" DR 6-1/4"	ASME B107.500	
J4766	Handle, Hinge 1/4" DR 5-3/4"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
J4785	Handle, Sliding T 1/4" DR 4-1/2"	ASME B107.500	
JBM1008	Blow-Molded Case		

1/4" DRIVE 37 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J4712OXL

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 6 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8 Inch.
- Accessories: Premium Ratchet, Socket Driver, 2, 3, and 6 Inch Extensions, 6 Inch Flex Driver, Hinge Handle, Sliding T-Handle, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 5.75



Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep	ASME B107.1	
J4708S	Socket, 1/4" DR 1/4" 8 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep	ASME B107.1	
J4710S	Socket, 1/4" DR 5/16" 8 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep	ASME B107.1	
J4712S	Socket, 1/4" DR 3/8" 8 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep	ASME B107.1	
J4737	Socket, Bit 1/4" DR #1 Phillips®		
J4738	Socket, Bit 1/4" DR #2 Phillips®		
J4743	Socket, Bit 1/4" DR Slotted 1/4"		
J4744	Socket, Bit 1/4" DR Slotted 3/16"		
J4745	Socket, Bit 1/4" DR Slotted		
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4760	Extension, 1/4" DR 3"	ASME B107.500	
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4765	Extension, Flex 1/4" DR 6-1/4"	ASME B107.500	
J4766	Handle, Hinge 1/4" DR 5-3/4"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
J4785	Handle, Sliding T 1/4" DR 4-1/2"	ASME B107.500	
JBM1008	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

METRIC

Product #: J47206



- 6 Point Standard: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- 6 Point Deep: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: Pear Head Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 4.21

Contents	Description	ASME Spec.	AS Spec.
J4704M	Socket, 1/4" DR 4 mm 6 PT	ASME B107.5M	
J4705M	Socket, 1/4" DR 5 mm 6 PT	ASME B107.5M	
J47055M	Socket, 1/4" DR 5.5 mm 6 PT	ASME B107.5M	
J4706M	Socket, 1/4" DR 6 mm 6 PT	ASME B107.5M	
J4707M	Socket, 1/4" DR 7 mm 6 PT	ASME B107.5M	
J4708M	Socket, 1/4" DR 8 mm 6 PT	ASME B107.5M	
J4709M	Socket, 1/4" DR 9 mm 6 PT	ASME B107.5M	
J4710M	Socket, 1/4" DR 10 mm 6 PT	ASME B107.5M	
J4711M	Socket, 1/4" DR 11 mm 6 PT	ASME B107.5M	
J4712M	Socket, 1/4" DR 12 mm 6 PT	ASME B107.5M	
J4713M	Socket, 1/4" DR 13 mm 6 PT	ASME B107.5M	
J4714M	Socket, 1/4" DR 14 mm 6 PT	ASME B107.5M	
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep	ASME B107.5M	
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep	ASME B107.5M	
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep	ASME B107.5M	
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep	ASME B107.5M	
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep	ASME B107.5M	
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep	ASME B107.5M	
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep	ASME B107.5M	
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep	ASME B107.5M	
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep	ASME B107.5M	
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep	ASME B107.5M	
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep	ASME B107.5M	
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep	ASME B107.5M	
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
JBM1004	Blow-Molded Case		

1/4" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

METRIC

Product #: J4720GXL

PREMIUM RATCHET

- 6 Point Standard: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- 6 Point Deep: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 4.27



Contents	Description	ASME Spec.	AS Spec.
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep	ASME B107.5M	
J4704M	Socket, 1/4" DR 4 mm 6 PT	ASME B107.5M	
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep	ASME B107.5M	
J47055M	Socket, 1/4" DR 5.5 mm 6 PT	ASME B107.5M	
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep	ASME B107.5M	
J4705M	Socket, 1/4" DR 5 mm 6 PT	ASME B107.5M	
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep	ASME B107.5M	
J4706M	Socket, 1/4" DR 6 mm 6 PT	ASME B107.5M	
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep	ASME B107.5M	
J4707M	Socket, 1/4" DR 7 mm 6 PT	ASME B107.5M	
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep	ASME B107.5M	
J4708M	Socket, 1/4" DR 8 mm 6 PT	ASME B107.5M	
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep	ASME B107.5M	
J4709M	Socket, 1/4" DR 9 mm 6 PT	ASME B107.5M	
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep	ASME B107.5M	
J4710M	Socket, 1/4" DR 10 mm 6 PT	ASME B107.5M	
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep	ASME B107.5M	
J4711M	Socket, 1/4" DR 11 mm 6 PT	ASME B107.5M	
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep	ASME B107.5M	
J4712M	Socket, 1/4" DR 12 mm 6 PT	ASME B107.5M	
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep	ASME B107.5M	
J4713M	Socket, 1/4" DR 13 mm 6 PT	ASME B107.5M	
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep	ASME B107.5M	
J4714M	Socket, 1/4" DR 14 mm 6 PT	ASME B107.5M	
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1004	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 25 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47116

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 6 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Pear Head Ratchet, 2 and 6 Inch Extensions, Socket Driver, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 4.08



Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep	ASME B107.1	
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep	ASME B107.1	
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep	ASME B107.1	
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep	ASME B107.1	
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep	ASME B107.1	
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep	ASME B107.1	
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep	ASME B107.1	
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep	ASME B107.1	
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep	ASME B107.1	
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep	ASME B107.1	
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
JBM1002	Blow-Molded Case		

1/4" DRIVE 25 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47116XL

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 6 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 3.98



Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep	ASME B107.1	
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep	ASME B107.1	
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep	ASME B107.1	
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep	ASME B107.1	
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep	ASME B107.1	
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep	ASME B107.1	
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep	ASME B107.1	
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep	ASME B107.1	
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep	ASME B107.1	
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep	ASME B107.1	
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1002	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 25 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J47118

- 12 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 12 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Pear Head Ratchet, 2 and 6 Inch Extensions, Socket Driver, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 4.12



Contents	Description	ASME Spec.	AS Spec.
J4706T	Socket, 1/4" DR 3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4707T	Socket, 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4708T	Socket, 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4709T	Socket, 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4710T	Socket, 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4711T	Socket, 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4712T	Socket, 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4714T	Socket, 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4716T	Socket, 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4718T	Socket, 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
JBM1002	Blow-Molded Case		

1/4" DRIVE 25 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J47118XL

- 12 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 12 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 3.99



Contents	Description	ASME Spec.	AS Spec.
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4706T	Socket, 1/4" DR 3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4707T	Socket, 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4708T	Socket, 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4709T	Socket, 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4710T	Socket, 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4711T	Socket, 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4712T	Socket, 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4714T	Socket, 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4716T	Socket, 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4718T	Socket, 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1002	Blow-Molded Case		

1/4" DRIVE 19 PIECE COMBINATION SOCKET SET - 6 POINT AND 8 POINT

Product #: J47114



- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8 Inch.
- Accessories: Pear Head Ratchet, 2 and 6 Inch Extensions, Hinge Handle, Socket Driver, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 2.76

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4708S	Socket, 1/4" DR 1/4" 8 PT	ASME B107.1	
J4710S	Socket, 1/4" DR 5/16" 8 PT	ASME B107.1	
J4712S	Socket, 1/4" DR 3/8" 8 PT	ASME B107.1	
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4766	Handle, Hinge 1/4" DR 5-3/4"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1006	Blow-Molded Case		

1/4" DRIVE 19 PIECE COMBINATION SOCKET SET - 6 POINT AND 8 POINT

Product #: J47114XL



- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8 Inch.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 3.02

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4708S	Socket, 1/4" DR 1/4" 8 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4710S	Socket, 1/4" DR 5/16" 8 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4712S	Socket, 1/4" DR 3/8" 8 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4766	Handle, Hinge 1/4" DR 5-3/4"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1006	Blow-Molded Case		

1/4" DRIVE 17 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

Product #: J47204

METRIC



- 6 Point Metric: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: Pear Head Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 2.58

Contents	Description	ASME Spec.	AS Spec.
J4704M	Socket, 1/4" DR 4 mm 6 PT	ASME B107.5M	
J4705M	Socket, 1/4" DR 5 mm 6 PT	ASME B107.5M	
J47055M	Socket, 1/4" DR 5.5 mm 6 PT	ASME B107.5M	
J4706M	Socket, 1/4" DR 6 mm 6 PT	ASME B107.5M	
J4707M	Socket, 1/4" DR 7 mm 6 PT	ASME B107.5M	
J4708M	Socket, 1/4" DR 8 mm 6 PT	ASME B107.5M	
J4709M	Socket, 1/4" DR 9 mm 6 PT	ASME B107.5M	
J4710M	Socket, 1/4" DR 10 mm 6 PT	ASME B107.5M	
J4711M	Socket, 1/4" DR 11 mm 6 PT	ASME B107.5M	
J4712M	Socket, 1/4" DR 12 mm 6 PT	ASME B107.5M	
J4713M	Socket, 1/4" DR 13 mm 6 PT	ASME B107.5M	
J4714M	Socket, 1/4" DR 14 mm 6 PT	ASME B107.5M	
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
JBM1007	Blow-Molded Case		

1/4" DRIVE 17 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

Product #: J47204XL

METRIC

PREMIUM RATCHET



- 6 Point Standard: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 2.72

Contents	Description	ASME Spec.	AS Spec.
J4704M	Socket, 1/4" DR 4 mm 6 PT	ASME B107.5M	
J47055M	Socket, 1/4" DR 5.5 mm 6 PT	ASME B107.5M	
J4705M	Socket, 1/4" DR 5 mm 6 PT	ASME B107.5M	
J4706M	Socket, 1/4" DR 6 mm 6 PT	ASME B107.5M	
J4707M	Socket, 1/4" DR 7 mm 6 PT	ASME B107.5M	
J4708M	Socket, 1/4" DR 8 mm 6 PT	ASME B107.5M	
J4709M	Socket, 1/4" DR 9 mm 6 PT	ASME B107.5M	
J4710M	Socket, 1/4" DR 10 mm 6 PT	ASME B107.5M	
J4711M	Socket, 1/4" DR 11 mm 6 PT	ASME B107.5M	
J4712M	Socket, 1/4" DR 12 mm 6 PT	ASME B107.5M	
J4713M	Socket, 1/4" DR 13 mm 6 PT	ASME B107.5M	
J4714M	Socket, 1/4" DR 14 mm 6 PT	ASME B107.5M	
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1007	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 15 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47112



- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Pear Head Ratchet, 2 and 6 Inch Extensions, Socket Driver, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 2.73

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"	ASME B107.500	
JBM1005	Blow-Molded Case		

1/4" DRIVE 15 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47112XL



- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Premium Ratchet, Socket Driver, 2 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 1.82

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1	
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1	
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1	
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4759	Extension, 1/4" DR 2"	ASME B107.500	AS 4283
J4761	Extension, 1/4" DR 6"	ASME B107.500	AS 4283
J4769	Driver, Socket 1/4" DR	ASME B107.500	
J4770A	Universal Joint, 1/4" DR 1-11/32"		
JBM1005	Blow-Molded Case		

1/4" DRIVE 12 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47108

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Pear Head Ratchet, Socket Driver, and Blow-Molded Case.
- Weight (lbs): 1.62



Contents	Description	ASME Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500
J4769	Driver, Socket 1/4" DR	ASME B107.500
JBM1001	Blow-Molded Case	

1/4" DRIVE 12 PIECE COMBINATION SOCKET SET - 6 POINT

Product #: J47108XL

- 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Premium Ratchet, Socket Driver, and Blow-Molded Case.
- Weight (lbs): 1.57



Contents	Description	ASME Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500
J4769	Driver, Socket 1/4" DR	ASME B107.500
JBM1001	Blow-Molded Case	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 12 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J47110



- 12 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 and 9/16 Inch.
- Accessories: Pear Head Ratchet, Socket Driver, and Blow-Molded Case.
- Weight (lbs): 1.64

Contents	Description	ASME Spec.	AS Spec.
J4706T	Socket, 1/4" DR 3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4707T	Socket, 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4708T	Socket, 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4709T	Socket, 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4710T	Socket, 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4711T	Socket, 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4712T	Socket, 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4714T	Socket, 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4716T	Socket, 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4718T	Socket, 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4749	Ratchet, 1/4" DR Standard Length Classic Pear Head 5"	ASME B107.500	
J4769	Driver, Socket 1/4" DR	ASME B107.500	
JBM1001	Blow-Molded Case		

1/4" DRIVE 12 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J47110XL



- 12 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: Premium Ratchet, Socket Driver, and Blow-Molded Case.
- Weight (lbs): 1.55

Contents	Description	ASME Spec.	AS Spec.
J4706T	Socket, 1/4" DR 3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4707T	Socket, 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4708T	Socket, 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4709T	Socket, 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4710T	Socket, 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4711T	Socket, 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4712T	Socket, 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4714T	Socket, 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4716T	Socket, 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4718T	Socket, 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4749XL	Ratchet, 1/4" DR Standard Length Premium Pear Head 5-45/64"	ASME B107.500	
J4769	Driver, Socket 1/4" DR	ASME B107.500	
JBM1001	Blow-Molded Case		

1/4" DRIVE 10 PIECE SOCKET SET - 12 POINT

Product #: J47104

- 12 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: 6-1/4 Inch Socket Bar, 10 Socket Clips.
- Weight (lbs): 0.42



Contents	Description	ASME Spec.	AS Spec.
J4706T	Socket, 1/4" DR 3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4707T	Socket, 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4708T	Socket, 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4709T	Socket, 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4710T	Socket, 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4711T	Socket, 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4712T	Socket, 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4714T	Socket, 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4716T	Socket, 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4718T	Socket, 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J2584	Socket, Bar 6-1/4"		
J2590	Socket, Clip 1/4" DR		

1/4" DRIVE 11 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J47201

- 12 Point Metric: 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: 9 Inch Socket Bar with 11 Socket Clips.
- Weight (lbs): 0.56



Contents	Description	ASME Spec.	AS Spec.
J4705TM	Socket, 1/4" DR 5 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J47055TM	Socket, 1/4" DR 5.5 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4706TM	Socket, 1/4" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4707TM	Socket, 1/4" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4708TM	Socket, 1/4" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4709TM	Socket, 1/4" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4710TM	Socket, 1/4" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4711TM	Socket, 1/4" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4712TM	Socket, 1/4" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4713TM	Socket, 1/4" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J4714TM	Socket, 1/4" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J2585	Socket, Bar 9"		
J2590	Socket, Clip 1/4" DR		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 10 PIECE DEEP SOCKET SET - 12 POINT

Product #: J47100

- 12 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 0.79



Contents	Description	ASME Spec.	AS Spec.
J4706LT	Socket, 1/4" DR 3/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4707LT	Socket, 1/4" DR 7/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4708LT	Socket, 1/4" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4709LT	Socket, 1/4" DR 9/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4710LT	Socket, 1/4" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4711LT	Socket, 1/4" DR 11/32" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4712LT	Socket, 1/4" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4714LT	Socket, 1/4" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4716LT	Socket, 1/4" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J4718LT	Socket, 1/4" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2584	Socket, Bar 6-1/4"		
J2590	Socket, Clip 1/4" DR		

1/4" DRIVE 11 PIECE METRIC DEEP SOCKET SET - 12 POINT

METRIC

Product #: J47203

- 12 Point Deep: 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: 9 Inch Socket Bar with 11 Socket Clips.
- Weight (lbs): 1.03



Contents	Description	ASME Spec.	AS Spec.
J4705LTM	Socket, 1/4" DR 5 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J47055LTM	Socket, 1/4" DR 5.5 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4706LTM	Socket, 1/4" DR 6 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4707LTM	Socket, 1/4" DR 7 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4708LTM	Socket, 1/4" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4709LTM	Socket, 1/4" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4710LTM	Socket, 1/4" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4711LTM	Socket, 1/4" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4712LTM	Socket, 1/4" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4713LTM	Socket, 1/4" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J4714LTM	Socket, 1/4" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J2585	Socket, Bar 9"		
J2590	Socket, Clip 1/4" DR		

1/4" DRIVE 10 PIECE SOCKET SET - 6 POINT

Product #: J47106

- 6 Point: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 0.48



Contents	Description	ASME Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1
J4714	Socket, 1/4" DR 7/16" 6 PT	ASME B107.1
J4716	Socket, 1/4" DR 1/2" 6 PT	ASME B107.1
J4718	Socket, 1/4" DR 9/16" 6 PT	ASME B107.1
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 12 PIECE METRIC SOCKET SET - 6 POINT

METRIC

Product #: J47200

- 6 Point: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: 9 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs): 0.58



Contents	Description	ASME Spec.
J4704M	Socket, 1/4" DR 4 mm 6 PT	ASME B107.5M
J4705M	Socket, 1/4" DR 5 mm 6 PT	ASME B107.5M
J47055M	Socket, 1/4" DR 5.5 mm 6 PT	ASME B107.5M
J4706M	Socket, 1/4" DR 6 mm 6 PT	ASME B107.5M
J4707M	Socket, 1/4" DR 7 mm 6 PT	ASME B107.5M
J4708M	Socket, 1/4" DR 8 mm 6 PT	ASME B107.5M
J4709M	Socket, 1/4" DR 9 mm 6 PT	ASME B107.5M
J4710M	Socket, 1/4" DR 10 mm 6 PT	ASME B107.5M
J4711M	Socket, 1/4" DR 11 mm 6 PT	ASME B107.5M
J4712M	Socket, 1/4" DR 12 mm 6 PT	ASME B107.5M
J4713M	Socket, 1/4" DR 13 mm 6 PT	ASME B107.5M
J4714M	Socket, 1/4" DR 14 mm 6 PT	ASME B107.5M
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 10 PIECE DEEP SOCKET SET - 6 POINT

Product #: J47102

- 6 Point Deep: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 0.87



Contents	Description	ASME Spec.
J4706L	Socket, 1/4" DR 3/16" 6 PT Deep	ASME B107.1
J4707L	Socket, 1/4" DR 7/32" 6 PT Deep	ASME B107.1
J4708L	Socket, 1/4" DR 1/4" 6 PT Deep	ASME B107.1
J4709L	Socket, 1/4" DR 9/32" 6 PT Deep	ASME B107.1
J4710L	Socket, 1/4" DR 5/16" 6 PT Deep	ASME B107.1
J4711L	Socket, 1/4" DR 11/32" 6 PT Deep	ASME B107.1
J4712L	Socket, 1/4" DR 3/8" 6 PT Deep	ASME B107.1
J4714L	Socket, 1/4" DR 7/16" 6 PT Deep	ASME B107.1
J4716L	Socket, 1/4" DR 1/2" 6 PT Deep	ASME B107.1
J4718L	Socket, 1/4" DR 9/16" 6 PT Deep	ASME B107.1
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 12 PIECE METRIC DEEP SOCKET SET - 6 POINT

METRIC

Product #: J47202

- 6 Point Deep: 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm.
- Accessories: 9 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs):1.10



Contents	Description	ASME Spec.
J4704LM	Socket, 1/4" DR 4 mm 6 PT Deep	ASME B107.5M
J4705LM	Socket, 1/4" DR 5 mm 6 PT Deep	ASME B107.5M
J47055LM	Socket, 1/4" DR 5.5 mm 6 PT Deep	ASME B107.5M
J4706LM	Socket, 1/4" DR 6 mm 6 PT Deep	ASME B107.5M
J4707LM	Socket, 1/4" DR 7 mm 6 PT Deep	ASME B107.5M
J4708LM	Socket, 1/4" DR 8 mm 6 PT Deep	ASME B107.5M
J4709LM	Socket, 1/4" DR 9 mm 6 PT Deep	ASME B107.5M
J4710LM	Socket, 1/4" DR 10 mm 6 PT Deep	ASME B107.5M
J4711LM	Socket, 1/4" DR 11 mm 6 PT Deep	ASME B107.5M
J4712LM	Socket, 1/4" DR 12 mm 6 PT Deep	ASME B107.5M
J4713LM	Socket, 1/4" DR 13 mm 6 PT Deep	ASME B107.5M
J4714LM	Socket, 1/4" DR 14 mm 6 PT Deep	ASME B107.5M
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 9 PIECE UNIVERSAL SOCKET SET - 12 POINT

Product #: J47107



- 12 Point: 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 9 Socket Clips.
- Weight (lbs): 0.47

Contents	Description	ASME Spec.	AS Spec.
J4770TA	Socket, Universal 1/4" DR 7/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4775TA	Socket, Universal 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J4776TA	Socket, Universal 1/4" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4777TA	Socket, Universal 1/4" DR 9/32" 12 PT	ASME B107.1	AS954E S3.8.1
J4778TA	Socket, Universal 1/4" DR 11/32" 12 PT	ASME B107.1	AS954E S3.8.1
J2584	Socket, Bar 6-1/4"		
J2590	Socket, Clip 1/4" DR		

1/4" DRIVE 5 PIECE UNIVERSAL SOCKET SET - 12 POINT

Product #: J47105



- 12 Point: 1/4, 5/16, 3/8, 7/16, 1/2 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 5 Socket Clips.
- Weight (lbs): 0.32

Contents	Description	ASME Spec.	AS Spec.
J4771TA	Socket, Universal 1/4" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J4772TA	Socket, Universal 1/4" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4773TA	Socket, Universal 1/4" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J4774TA	Socket, Universal 1/4" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J4775TA	Socket, Universal 1/4" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J2584	Socket, Bar 6-1/4"		
J2590	Socket, Clip 1/4" DR		

1/4" DRIVE 12 PIECE METRIC UNIVERSAL SOCKET SET - 6 POINT

Product #: J47205



- 12 Point: 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 mm.
- Accessories: 9 Inch Socket Bar with 12 Clips.
- Weight (lbs):0.67

Contents	Description	ASME Spec.
J4805AM	Socket, 1/4" DR 5 mm 6 PT Universal	ASME B107.5M
J48055AM	Socket, 1/4" DR 5.5 mm 6 PT Universal	ASME B107.5M
J4806AM	Socket, 1/4" DR 6 mm 6 PT Universal	ASME B107.5M
J4807AM	Socket, 1/4" DR 7 mm 6 PT Universal	ASME B107.5M
J4808AM	Socket, 1/4" DR 8 mm 6 PT Universal	ASME B107.5M
J4809AM	Socket, 1/4" DR 9 mm 6 PT Universal	ASME B107.5M
J4810AM	Socket, 1/4" DR 10 mm 6 PT Universal	ASME B107.5M
J4811AM	Socket, 1/4" DR 11 mm 6 PT Universal	ASME B107.5M
J4812AM	Socket, 1/4" DR 12 mm 6 PT Universal	ASME B107.5M
J4813AM	Socket, 1/4" DR 13 mm 6 PT Universal	ASME B107.5M
J4814AM	Socket, 1/4" DR 14 mm 6 PT Universal	ASME B107.5M
J4815AM	Socket, 1/4" DR 15 mm 6 PT Universal	ASME B107.5M
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 6 PIECE METRIC HEX BIT SET

METRIC

Product #: J4770-6

Contents	Description
J4770-2M	Socket, Hex Bit 1/4" DR 2 mm
J4770-2.5M	Socket, Hex Bit 1/4" DR 2.5 mm
J4770-3M	Socket, Hex Bit 1/4" DR 3 mm
J4770-4M	Socket, Hex Bit 1/4" DR 4 mm
J4770-5M	Socket, Hex Bit 1/4" DR 5 mm
J4770-6M	Socket, Hex Bit 1/4" DR 6 mm
J2584	Socket, Bar 6-1/4"
J2590	Socket, Clip 1/4" DR

- Weight (lbs): 0.41



1/4" DRIVE 8 PIECE HEX BIT BALL END SOCKET SET

Product #: J4770-8B

Contents	Description
J47701/4B	Socket, Hex Bit 1/4" DR 1/4"
J47701/8B	Socket, Hex Bit 1/4" DR 1/8"
J47703/16B	Socket, Hex Bit 1/4" DR 3/16"
J47703/32B	Socket, Hex Bit 1/4" DR 3/32"
J47705/32B	Socket, Hex Bit 1/4" DR 5/32"
J47707/32B	Socket, Hex Bit 1/4" DR 7/32"
J47707/64B	Socket, Hex Bit 1/4" DR 7/64"
J47709/64B	Socket, Hex Bit 1/4" DR 9/64"
J2584	Socket, Bar 6-1/4"
J2590	Socket, Clip 1/4" DR

- Weight (lbs): 0.49



1/4" DRIVE 11 PIECE HEX BIT SET

Product #: J4770-11

Contents	Description
J47701/16	Socket, 1/4" DR Hex Bit 1/16"
J47705/64	Socket, 1/4" DR Hex Bit 5/64"
J47707/64	Socket, 1/4" DR Hex Bit 7/64"
J47703/32	Socket, 1/4" DR Hex Bit 3/32"
J47701/8	Socket, 1/4" DR Hex Bit 1/8"
J47709/64	Socket, 1/4" DR Hex Bit 9/64"
J47705/32	Socket, 1/4" DR Hex Bit 5/32"
J47703/16	Socket, 1/4" DR Hex Bit 3/16"
J47707/32	Socket, 1/4" DR Hex Bit 7/32"
J47701/4	Socket, 1/4" DR Hex Bit 1/4"
J47705/16	Socket, 1/4" DR Hex Bit 5/16"
J2584	Socket, Bar 6-1/4"
J2590	Socket, Clip 1/4" DR

- Weight (lbs): 0.64



1/4" DRIVE 6 PIECE TORX® BIT SET

Product #: J4739C

Contents	Description
J4739-10W	Socket, Bit 1/4" DR T10 Torx®
J4739-15W	Socket, Bit 1/4" DR T15 Torx®
J4739-20W	Socket, Bit 1/4" DR T20 Torx®
J4739-25W	Socket, Bit 1/4" DR T25 Torx®
J4739-27W	Socket, Bit 1/4" DR T27 Torx®
J4739-30W	Socket, Bit 1/4" DR T30 Torx®
J2584	Socket, Bar 6-1/4"
J2590	Socket, Clip 1/4" DR

- Weight (lbs): 0.38





1/4" DRIVE 6 PIECE CROWFOOT WRENCH SET

Product #: J47000CF

- Weight (lbs): 0.41

Contents	Description
J4708CF	Wrench, Crowfoot 1/4" DR 1/4" Open End
J4710CF	Wrench, Crowfoot 1/4" DR 5/16" Open End
J4712CF	Wrench, Crowfoot 1/4" DR 3/8" Open End
J4714CF	Wrench, Crowfoot 1/4" DR 7/16" Open End
J4716CF	Wrench, Crowfoot 1/4" DR 1/2" Open End
J4718CF	Wrench, Crowfoot 1/4" DR 9/16" Open End



1/4" DRIVE 8 PIECE CROWFOOT WRENCH SET WITH LOCKING EXTENSIONS

Product #: J47000CFL

- Weight (lbs): 0.63

Contents	Description	ASME Spec.
J4708CF	Wrench, Crowfoot 1/4" DR 1/4" Open End	
J4710CF	Wrench, Crowfoot 1/4" DR 5/16" Open End	
J4712CF	Wrench, Crowfoot 1/4" DR 3/8" Open End	
J4714CF	Wrench, Crowfoot 1/4" DR 7/16" Open End	
J4716CF	Wrench, Crowfoot 1/4" DR 1/2" Open End	
J4718CF	Wrench, Crowfoot 1/4" DR 9/16" Open End	
J4761L	Extension, 1/4" DR Locking 6"	ASME B107.500
J4759L	Extension, 1/4" DR Locking 2"	ASME B107.500



1/4" DRIVE 7 PIECE METRIC CROWFOOT WRENCH SET

Product #: J47000MCF

- Weight (lbs): 0.47

Contents	Description
J4707MCF	Wrench, Crowfoot 1/4" DR 7 mm Open End
J4708MCF	Wrench, Crowfoot 1/4" DR 8 mm Open End
J4710MCF	Wrench, Crowfoot 1/4" DR 10 mm Open End
J4711MCF	Wrench, Crowfoot 1/4" DR 11 mm Open End
J4712MCF	Wrench, Crowfoot 1/4" DR 12 mm Open End
J4713MCF	Wrench, Crowfoot 1/4" DR 13 mm Open End
J4714MCF	Wrench, Crowfoot 1/4" DR 14 mm Open End



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE STANDARD LENGTH PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET

- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or black oxide finish.
- Field repairable.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XL	1/4	Full Polish	5-45/64	0.25	J4749XLRK
J4749XLBL	1/4	Black Oxide	5-45/64	0.25	J4749XLRK

ASME B107.500

1/4" DRIVE QUICK RELEASE PREMIUM PEAR HEAD RATCHET

PREMIUM RATCHET

- Small, pear head design for access in tight, hard to reach work areas.
- 45-tooth gear, 8° swing articulation.
- Low profile quick release button for access in restricted areas.
- Low profile reversing lever design for quick, one-hand operation.
- Patented sealed head design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance
- Full polished handle, easy to clean.
- Double nickel chrome plated for enhanced corrosion protection meeting aerospace requirements.
- Field repairable.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XLQR	1/4	Full Polish	6-11/16	0.25	J4749XLQRRK
J4749XLQRBL	1/4	Black	6-11/16	0.25	J4749XLQRRK

ASME B107.10



1/4" DRIVE AEROSPACE PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Robust 45-tooth gear pawl design provides 8° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.
- Full polish nickel chrome plated.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749XLHS	1/4	Full Polish	5-45/64	0.25	J4749XLHSRK

ASME B107.500

1/4" DRIVE STANDARD LENGTH CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth gear/floating pawl design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749	1/4	Full Polish	5	0.26	J4749RK
J4749BL	1/4	Black Oxide	5	0.24	J4749RK

ASME B107.500

1/4" DRIVE AEROSPACE CLASSIC PEAR HEAD RATCHET

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Metal spring clip on drive plug for positive socket retention.
- 24-tooth gear provides 15° articulation angle.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.
- Full polish double nickel chrome plated.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4749HS	1/4	Full Polish	5	0.25	J4749RK

ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE STANDARD LENGTH ROUND HEAD RATCHET

- Round head ratchet mechanism allows for a compact head.
- 72-tooth = 5° swing arc.
- Small head design and tight swing arc allow for fastener access in tight areas.
- Full polish shaft with knurled grip for strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4752F	1/4	Full Polish	4-1/2	0.26	J4752FRK

ASME B107.500

1/4" DRIVE FLEX-HEAD RATCHET

- 180° flex.
- 72-tooth gear.
- 5° ratcheting angle.
- Small head design and tight swing to allow access to fastener in a tight area.
- Full polish shaft with knurled grip allows for a strong slip-resistant grip.

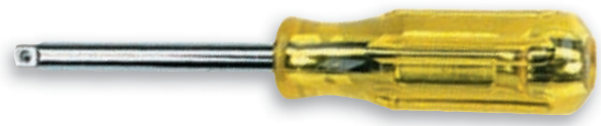


Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J4757F	1/4	Full Polish	6-37/64	0.32	J4752FRK

ASME B107.500

1/4" DRIVE SOCKET DRIVER

- 1/4" square female drive in handle.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4769	1/4	Full Polish	6	0.22

ASME B107.500

1/4" DRIVE FLEXIBLE DRIVER

- Flexible shaft for bending around obstructions in low torque applications.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4764	1/4	Chrome	6-3/4	0.19



1/4" DRIVE SPEED HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.

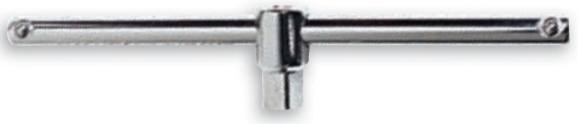


Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4780G	1/4	Full Polish	15-1/2	0.52

ASME B107.500

1/4" DRIVE SLIDING T-HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4785	1/4	Full Polish	4-1/2	0.08

ASME B107.500

1/4" DRIVE HINGE HANDLE



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4766	1/4	Full Polish	5-3/4	0.22

ASME B107.500

1/4" DRIVE STANDARD EXTENSIONS

- Extensions help provide access to fasteners in areas that might otherwise be difficult to reach.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759	1/4	Full Polish	2	0.05
J4760	1/4	Full Polish	3	0.08
J4761	1/4	Full Polish	6	0.15
J4762	1/4	Full Polish	10	0.24
J4763	1/4	Full Polish	14-3/32	0.30

ASME B107.500

1/4" DRIVE LOCKING EXTENSIONS

- One-piece extension design.
- Provides positive socket retention.
- Use where accidental socket disengagement may be a concern or safety hazard.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759L	1/4	Full Polish	2	0.07
J4761L	1/4	Full Polish	6	0.15
J4762L	1/4	Full Polish	10	0.25
J4763L	1/4	Full Polish	14-3/32	0.33

ASME B107.500

1/4" DRIVE WOBBLE EXTENSIONS

- Provides up to 17° angle of operation.
- Socket can be pushed past the detent ball for straight driving.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759W	1/4	Full Polish	2	0.06
J4760W	1/4	Full Polish	3	0.07
J4764W	1/4	Full Polish	4	0.10
J4761W	1/4	Full Polish	6	0.14
J4762W	1/4	Full Polish	10	0.20

ASME B107.500



1/4" DRIVE FLEXIBLE EXTENSION

- Flexible shaft extensions help reach around obstructions in low torque applications.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4765	1/4	Full Polish	6-1/4	0.11

ASME B107.500



1/4" DRIVE ADAPTERS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5255	3/8" F x 1/4" M	Full Polish	1	0.05
J5256	1/4" F x 3/8" M	Full Polish	1	0.04

ASME B107.500



1/4" DRIVE UNIVERSAL JOINT

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4770A	1/4	Full Polish	1-11/32	0.04



1/4" DRIVE LOCKING ADAPTERS

- Includes hex key for easy locking into drive tool.
- Knurl locking ring.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J4759BLS	1/4	Black Oxide	1-11/16	0.06



1/4" DRIVE SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4704	1/4	5/32	15/32	11/32	7/8	0.02
J4705	17/64	31/64	11/64	11/32	7/8	0.03
J4706	5/16	31/64	13/64	11/32	7/8	0.03
J4707	11/32	31/64	13/64	11/32	7/8	0.02
J4708	11/32	31/64	7/32	11/32	7/8	0.02
J4709	27/64	31/64	1/4	11/32	7/8	0.02
J4710	31/64	31/64	19/64	9/16	7/8	0.03
J4711	33/64	33/64	11/32	17/32	7/8	0.03
J4712	9/16	11/32	17/32	17/32	7/8	0.03
J4714	5/8	5/8	23/64	17/32	7/8	0.05
J4716	11/16	11/16	23/64	17/32	7/8	0.06
J4718	47/64	47/64	23/64	9/16	7/8	0.07
J4720A	5/8	3/8	7/8	9/16	7/8	0.09

ASME B107.1

1/4" DRIVE METRIC SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

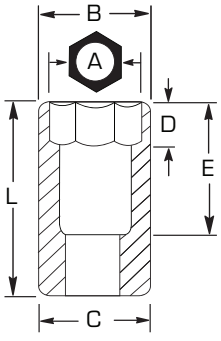


Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4704M	4	17/64	15/32	11/64	13/32	7/8	0.01
J47045M	4.5	5/16	15/32	11/64	13/32	7/8	0.01
J4705M	5	5/16	15/32	11/64	13/32	7/8	0.02
J47055M	5.5	21/64	15/32	11/64	13/32	7/8	0.02
J4706M	6	3/8	15/32	7/32	13/32	7/8	0.02
J4707M	7	27/64	15/32	1/4	15/32	7/8	0.02
J4708M	8	15/32	15/32	19/64	35/64	7/8	0.04
J4709M	9	33/64	33/64	23/64	35/64	7/8	0.03
J4710M	10	37/64	37/64	23/64	35/64	7/8	0.04
J4711M	11	5/8	5/8	23/64	35/64	7/8	0.05
J4712M	12	21/32	21/32	23/64	35/64	7/8	0.05
J4713M	13	11/16	11/16	23/64	35/64	7/8	0.05
J4714M	14	3/4	3/4	23/64	9/16	7/8	0.06
J4715M	15	51/64	51/64	23/64	9/16	7/8	0.08
J4716M	16	7/8	7/8	3/8	9/16	7/8	0.09

ASME B107.5M

FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE DEEP SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4706L	3/16	5/16	15/32	9/32	1-21/32	2	0.05
J4707L	7/32	11/32	15/32	3/8	1-21/32	2	0.05
J4708L	1/4	25/64	15/32	3/8	1-1/2	2	0.05
J4709L	9/32	7/16	15/32	3/8	1-1/2	2	0.05
J4710L	5/16	15/32	15/32	3/8	1-1/2	2	0.06
J4711L	11/32	1/2	1/2	5/8	1-1/2	2	0.06
J4712L	3/8	9/16	9/16	5/8	1-27/64	2	0.08
J4714L	7/16	37/64	39/64	5/8	1-27/64	2	0.09
J4716L	1/2	11/16	11/16	5/8	1-27/64	2	0.13
J4718L	9/16	3/4	3/4	5/8	1-27/64	2	0.14

ASME B107.1

1/4" DRIVE METRIC DEEP SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4704LM	4	9/32	29/64	13/64	55/64	1-63/64	0.04
J4705LM	5	5/16	29/64	9/32	55/64	1-63/64	0.04
J47055LM	5.5	11/32	29/64	9/32	55/64	1-63/64	0.04
J4706LM	6	3/8	29/64	3/8	55/64	1-63/64	0.04
J4707LM	7	27/64	29/64	3/8	55/64	1-63/64	0.04
J4708LM	8	29/64	29/64	13/32	1-5/32	1-63/64	0.06
J4709LM	9	1/2	1/2	39/64	1-5/32	1-63/64	0.06
J4710LM	10	9/16	9/16	5/8	1-27/64	1-63/64	0.07
J4711LM	11	39/64	39/64	5/8	1-27/64	1-63/64	0.09
J4712LM	12	21/32	21/32	5/8	1-27/64	1-63/64	0.11
J4713LM	13	11/16	11/16	5/8	1-27/64	1-63/64	0.15
J4714LM	14	49/64	49/64	5/8	1-27/64	1-63/64	0.15
J4715LM	15	53/64	53/64	5/8	1-27/64	2	0.20

ASME B107.5M



1/4" DRIVE SOCKETS - 8 POINT

- Proto® 8 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ featureas apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4708S	1/4	31/64	31/64	1/4	17/32	7/8	0.03
J4710S	5/16	9/16	9/16	1/4	17/32	7/8	0.05
J4712S	3/8	11/16	11/16	1/4	17/32	7/8	0.06
							ASME B107.1

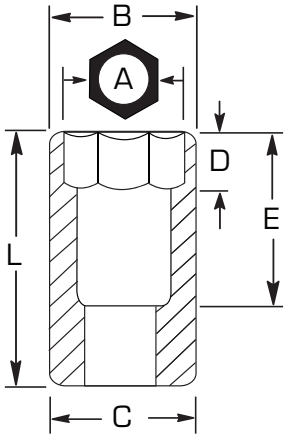
1/4" DRIVE SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4705T	5/32	3/8	3/8	13/64	5/16	7/8	0.02
J4706T	3/16	5/16	7/16	13/64	5/16	7/8	0.02
J4707T	7/32	11/32	7/16	13/64	5/16	7/8	0.02
J4708T	1/4	3/8	7/16	7/32	5/16	7/8	0.02
J4709T	9/32	27/64	27/64	17/64	9/16	7/8	0.02
J4710T	5/16	15/32	15/32	19/64	9/16	7/8	0.02
J4711T	11/32	1/2	1/2	11/32	9/16	7/8	0.03
J4712T	3/8	35/64	35/64	23/64	17/32	7/8	0.04
J4714T	7/16	5/8	5/8	3/8	17/32	7/8	0.05
J4716T	1/2	11/16	11/16	23/64	17/32	7/8	0.05
J4718T	9/16	47/64	47/64	23/64	17/32	7/8	0.07
						AS954E S3.8.1	ASME B107.1



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE METRIC SOCKETS - 12 POINT

METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4704TM	4	5/16	15/32	11/64	1/2	7/8	0.02
J47045TM	4.5	5/16	15/32	11/64	1/2	7/8	0.02
J4705TM	5	5/16	15/32	11/64	1/2	7/8	0.03
J47055TM	5.5	21/64	15/32	11/64	1/2	7/8	0.02
J4706TM	6	3/8	15/32	7/32	1/2	7/8	0.02
J4707TM	7	27/64	15/32	1/4	9/16	7/8	0.04
J4708TM	8	15/32	15/32	19/64	35/64	7/8	0.03
J4709TM	9	33/64	33/64	23/64	35/64	7/8	0.03
J4710TM	10	37/64	37/64	23/64	35/64	7/8	0.04
J4711TM	11	5/8	5/8	23/64	35/64	7/8	0.05
J4712TM	12	21/32	21/32	23/64	35/64	7/8	0.05
J4713TM	13	11/16	11/16	23/64	35/64	7/8	0.05
J4714TM	14	3/4	3/4	23/64	9/16	7/8	0.06
J4715TM	15	13/16	13/16	23/64	17/32	7/8	0.07

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1/4" DRIVE DEEP SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4706LT	3/16	5/16	27/64	9/32	1-5/32	2	0.05
J4707LT	7/32	11/32	27/64	3/8	1-5/32	2	0.05
J4708LT	1/4	3/8	27/64	3/8	1-5/32	2	0.05
J4709LT	9/32	27/64	27/64	3/8	1-5/32	2	0.05
J4710LT	5/16	29/64	29/64	3/8	1-5/32	2	0.06
J4711LT	11/32	1/2	1/2	5/8	1-5/32	2	0.07
J4712LT	3/8	35/64	35/64	5/8	1-5/32	2	0.07
J4714LT	7/16	39/64	39/64	5/8	1-5/32	2	0.10
J4716LT	1/2	11/16	11/16	5/8	1-5/32	2	0.12
J4718LT	9/16	3/4	3/4	5/8	1-5/32	2	0.13

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1/4" DRIVE METRIC DEEP SOCKETS - 12 POINT

METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4705LTM	5	5/16	29/64	9/32	49/64	1-63/64	0.05
J47055LTM	5.5	11/32	29/64	9/32	49/64	1-63/64	0.05
J4706LTM	6	3/8	29/64	3/8	49/64	1-63/64	0.05
J4707LTM	7	27/64	29/64	3/8	49/64	1-63/64	0.07
J4708LTM	8	29/64	29/64	3/8	49/64	1-63/64	0.06
J4709LTM	9	1/2	1/2	5/8	1-7/16	1-63/64	0.06
J4710LTM	10	9/16	9/16	5/8	1-7/16	1-63/64	0.08
J4711LTM	11	39/64	39/64	5/8	1-7/16	1-63/64	0.09
J4712LTM	12	21/32	21/32	5/8	1-7/16	1-63/64	0.10
J4713LTM	13	11/16	11/16	5/8	1-7/16	1-63/64	0.11
J4714LTM	14	49/64	49/64	5/8	1-7/16	1-63/64	0.13
J4715LTM	15	27/32	27/32	5/8	1-7/16	1-63/64	0.20

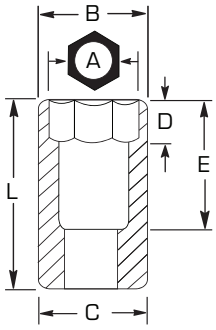
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1/4" DRIVE SOCKETS - SPLINE

- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 Point wrenches on double box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.



Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4706SPL	3/16	#6	5/16	7/16	3/16	9/16	59/64	0.02
J4707SPL	7/32	#7	11/32	7/16	13/64	9/16	59/64	0.02
J4708SPL	1/4	#8	3/8	7/16	1/4	9/16	59/64	0.02
J4709SPL	9/32	#9	7/16	7/16	9/32	9/16	59/64	0.02
J4710SPL	5/16	#10	29/64	29/64	5/16	9/16	59/64	0.03
J4712SPL	3/8	#12	35/64	35/64	11/32	9/16	59/64	0.04
J4714SPL	7/16	#14	5/8	5/8	27/64	11/16	1-1/32	0.05



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE DEEP SOCKETS - SPLINE

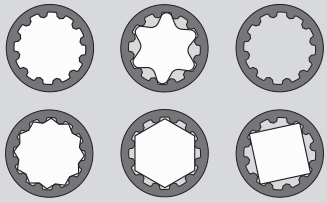


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- Spline sockets on spline fasteners help deliver twice the torque of 12 Point wrenches on double box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4706DPL	3/16	#6	5/16	7/16	3/16	1-21/32	2	0.03
J4707DPL	7/32	#7	11/32	7/16	13/64	1-21/32	2	0.04
J4708DPL	1/4	#8	3/8	7/16	1/4	1-21/32	2	0.04
J4709DPL	9/32	#9	7/16	7/16	9/32	1-21/32	2	0.05
J4710DPL	5/16	#10	29/64	29/64	5/16	1-21/32	2	0.06
J4712DPL	3/8	#12	35/64	35/64	11/32	1-21/32	2	0.08
J4714DPL	7/16	#14	5/8	5/8	27/64	1-21/32	2	0.09

FEATURES AND BENEFITS — SPLINE SOCKETS

- High strength in a compact profile.
- Standard depth and deep sockets are available in the three smaller drive sizes - 1/4", 3/8", and 1/2".
- Can be used on spline fasteners, as well as on 4, 6, 8 or 12 point fasteners.



1/4" DRIVE UNIVERSAL JOINTS - 6 POINT



- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4771A	1/4	3/8	1/2	9/32	11/32	1-1/4	0.04
J4772A	5/16	15/32	1/2	9/32	11/32	1-1/4	0.04
J4773A	3/8	9/16	1/2	9/32	11/32	1-1/4	0.05
J4774A	7/16	5/8	1/2	9/32	3/8	1-1/4	0.04

ASME B107.1

1/4" DRIVE METRIC UNIVERSAL JOINTS - 6 POINT

METRIC

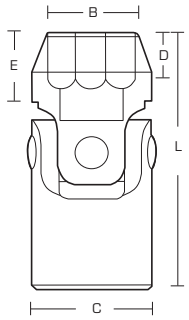
- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4805AM	5	5/16	31/64	9/32	11/32	1-1/4	0.03
J48055AM	5.5	21/64	31/64	9/32	11/32	1-1/4	0.04
J4806AM	6	11/32	31/64	9/32	11/32	1-1/4	0.04
J4807AM	7	13/32	31/64	9/32	11/32	1-1/4	0.04
J4808AM	8	29/64	31/64	9/32	11/32	1-1/4	0.03
J4809AM	9	1/2	31/64	9/32	11/32	1-1/4	0.04
J4810AM	10	35/64	31/64	9/32	11/32	1-1/4	0.04
J4811AM	11	19/32	31/64	9/32	11/32	1-1/4	0.05
J4812AM	12	21/32	31/64	9/32	11/32	1-1/4	0.04
J4813AM	13	45/64	31/64	19/64	11/32	1-1/4	0.05
J4814AM	14	47/64	31/64	23/64	27/64	1-21/64	0.05
J4815AM	15	51/64	31/64	23/64	27/64	1-21/64	0.05

ASME B107.5M



1/4" DRIVE UNIVERSAL JOINTS - 12 POINT

- Proto® Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J4770TA	7/32	11/32	1/2	9/32	3/8	1-1/4	0.05
J4771TA	1/4	3/8	1/2	9/32	3/8	1-1/4	0.05
J4777TA	9/32	7/16	1/2	9/32	3/8	1-1/4	0.06
J4772TA	5/16	15/32	1/2	9/32	3/8	1-1/4	0.04
J4778TA	11/32	1/2	1/2	9/32	3/8	1-1/4	0.05
J4773TA	3/8	9/16	1/2	9/32	3/8	1-1/4	0.04
J4774TA	7/16	5/8	1/2	9/32	3/8	1-1/4	0.05
J4775TA	1/2	11/16	1/2	9/32	3/8	1-1/4	0.05
J4776TA	9/16	3/4	1/2	23/64	29/64	1-21/64	0.07

AS954E S3.8.1 ASME B107.1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE SLOTTED SCREWDRIVER BIT SOCKETS

Product #	Tip W. (in)	Tip Thick. (in)	Overall Length (in)	Weight (lbs)
J4743	1/4	3/64	1-13/64	0.05
J4744	3/16	1/32	1-53/64	0.05
J4745	1/4	3/64	1-53/64	0.06



1/4" DRIVE PHILLIPS® SCREWDRIVER BIT SOCKETS

Product #	Tip Size	Overall Length (in)	Weight (lbs)
J4737	#1	1-13/64	0.04
J4738	#2	1-13/64	0.05



1/4" DRIVE TORX® SCREWDRIVER BIT SOCKETS

Product #	Torx® Size	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4739-10W	T10	5/8	1-1/2	0.06
J4739-15W	T15	5/8	1-1/2	0.05
J4739-20W	T20	5/8	1-1/2	0.05
J4739-25W	T25	5/8	1-1/2	0.05
J4739-27W	T27	5/8	1-1/2	0.06
J4739-30W	T30	7/8	1-3/4	0.05



1/4" DRIVE HEX BIT SOCKETS

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J47701/16	1/16	1	1-7/8	0.05
J47705/64	5/64	1	1-7/8	0.05
J47703/32	3/32	1	1-7/8	0.05
J47707/64	7/64	1	1-7/8	0.06
J47701/8	1/8	1	1-7/8	0.05
J47709/64	9/64	1	1-7/8	0.05
J47705/32	5/32	1	1-7/8	0.05
J47703/16	3/16	1	1-7/8	0.05
J47707/32	7/32	1	1-7/8	0.05
J47701/4	1/4	1	1-7/8	0.06
J47705/16	5/16	1	1-7/8	0.06



1/4" DRIVE METRIC HEX BIT SOCKETS

METRIC

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4770-2M	2	1	1-7/8	0.04
J4770-2.5M	2.5	1	1-7/8	0.05
J4770-3M	3	1	1-7/8	0.05
J4770-4M	4	1	1-7/8	0.05
J4770-5M	5	1	1-7/8	0.05
J4770-6M	6	1	1-7/8	0.05



1/4" DRIVE BALL END HEX BIT SOCKETS

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J47701/4B	1/4	1-1/2	0.05
J47701/8B	1/8	1-1/2	0.05
J47703/16B	3/16	1-1/2	0.05
J47703/32B	3/32	1-1/2	0.05
J47705/32B	5/32	1-1/2	0.05
J47707/32B	7/32	1-1/2	0.05
J47707/64B	7/64	1-1/2	0.05
J47709/64B	9/64	1-1/2	0.05



1/4" DRIVE CROWFOOT WRENCHES

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4708CF	1/4	15/16	0.02
J4710CF	5/16	1	0.03
J4712CF	3/8	1-1/16	0.03
J4714CF	7/16	1-5/32	0.04
J4716CF	1/2	1-3/16	0.05
J4718CF	9/16	1-9/32	0.05



1/4" DRIVE METRIC CROWFOOT WRENCHES

METRIC

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4707MCF	7	15/16	0.02
J4708MCF	8	31/32	0.02
J4710MCF	10	1-1/16	0.03
J4711MCF	11	1-1/8	0.04
J4712MCF	12	1-5/32	0.04
J4713MCF	13	1-3/16	0.05
J4714MCF	14	1-1/4	0.05



3/8" DRIVE 58 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J52140

- 12 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- 12 Point Deep: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- 12 Point Universal: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2 Inch.
- Hex: 1/8, 1/4, 5/32, 3/16, 5/16, 7/32, 3/8 Inch.
- Phillips®: #2, 3, 4 and 1/4 Slotted.
- Accessories: Pear Head Ratchet and Adapter, 3, 6, and 12 Inch Extensions, Universal Joint, Hinge, Speed, Sliding T-Handle, and Metal Box.
- Weight (lbs): 22.67



Contents	Description	ASME Spec.	AS Spec.
J5208	Socket, 3/8" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5210	Socket, 3/8" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5230	Socket, 3/8" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5232	Socket, 3/8" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5008	Socket, 3/8" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5010	Socket, 3/8" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1

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Torx® is a trademark of Acument Intellectual Properties, LLC



Contents	Description	ASME Spec.	AS Spec.
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5030	Socket, 3/8" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5032	Socket, 3/8" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5273	Socket, 3/8" DR Universal 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5274	Socket, 3/8" DR Universal 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5275	Socket, 3/8" DR Universal 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5276	Socket, 3/8" DR Universal 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5277	Socket, 3/8" DR Universal 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5278	Socket, 3/8" DR Universal 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5279	Socket, 3/8" DR Universal 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5208S	Socket, 3/8" DR 1/4" 8 PT	ASME B107.1	
J5210S	Socket, 3/8" DR 5/16" 8 PT	ASME B107.1	
J5212S	Socket, 3/8" DR 3/8" 8 PT	ASME B107.1	
J5214S	Socket, 3/8" DR 7/16" 8 PT	ASME B107.1	
J5216S	Socket, 3/8" DR 1/2" 8 PT	ASME B107.1	
J5241	Socket, Bit 3/8" DR #2 Phillips®		
J49901/4	Socket, Hex Bit 3/8" DR 1/4"		
J5242	Socket, Bit 3/8" DR #3 Phillips®		
J49905/32	Socket, Hex Bit 3/8" DR 5/32"		
J5243	Socket, Bit 3/8" DR #4 Phillips®		
J49903/16	Socket, Hex Bit 3/8" DR 3/16"		
J5246	Socket, Bit 3/8" DR Slotted		
J49905/16	Socket, Hex Bit 3/8" DR 5/16"		
J5247	Ratchet, Adapter 3/8" DR 2-1/16"	ASME B107.500	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J49907/32	Socket, Hex Bit 3/8" DR 7/32"		
J49901/8	Socket, Hex Bit 3/8" DR 1/8"		
J49903/8	Socket, Hex Bit 3/8" DR 3/8"		
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
J5285	Handle, Sliding T 3/8" DR 8"	ASME B107.500	
J9977	General Purpose Box with Tray		

3/8" DRIVE 58 PIECE COMBINATION SOCKET SET - 12 POINT

Product #: J52142



- 12 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- 12 Point Deep: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- 12 Point Universal: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 Inch.
- 8 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2 Inch.
- Hex: 1/8, 1/4, 5/32, 3/16, 5/16, 7/32, 3/8 Inch.
- Phillips® Bits #2, #3, #4, and 1/4 Slotted.
- Accessories: Pear Head Ratchet and Adapter, 3, 6, and 12 Inch Extensions, Hinge, Speed, and Sliding T-Handle, Universal Joint.
- Weight (lbs): 12.10

Contents	Description	ASME Spec.	AS Spec.
J5208	Socket, 3/8" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5210	Socket, 3/8" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5230	Socket, 3/8" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5232	Socket, 3/8" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5008	Socket, 3/8" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5010	Socket, 3/8" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5030	Socket, 3/8" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5032	Socket, 3/8" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5273	Socket, 3/8" DR Universal 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5274	Socket, 3/8" DR Universal 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5275	Socket, 3/8" DR Universal 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5276	Socket, 3/8" DR Universal 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5277	Socket, 3/8" DR Universal 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5278	Socket, 3/8" DR Universal 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5279	Socket, 3/8" DR Universal 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5208S	Socket, 3/8" DR 1/4" 8 PT	ASME B107.1	
J5210S	Socket, 3/8" DR 5/16" 8 PT	ASME B107.1	
J5212S	Socket, 3/8" DR 3/8" 8 PT	ASME B107.1	
J5214S	Socket, 3/8" DR 7/16" 8 PT	ASME B107.1	
J5216S	Socket, 3/8" DR 1/2" 8 PT	ASME B107.1	
J49901/8	Socket, Hex Bit 3/8" DR 1/8"		
J49901/4	Socket, Hex Bit 3/8" DR 1/4"		
J49905/32	Socket, Hex Bit 3/8" DR 5/32"		
J49903/16	Socket, Hex Bit 3/8" DR 3/16"		
J49905/16	Socket, Hex Bit 3/8" DR 5/16"		
J49907/32	Socket, Hex Bit 3/8" DR 7/32"		
J49903/8	Socket, Hex Bit 3/8" DR 3/8"		
J5242	Socket, Bit 3/8" DR #3 Phillips®		

Contents	Description	ASME Spec.	AS Spec.
J5241	Socket, Bit 3/8" DR #2 Phillips®		
J5243	Socket, Bit 3/8" DR #4 Phillips®		
J5246	Socket, Bit 3/8" DR Slotted		
J5247	Ratchet, Adapter 3/8" DR 2-1/16"	ASME B107.500	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5285	Handle, Sliding T 3/8" DR 8"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	AS4283

3/8" DRIVE 33 PIECE COMBINATION SOCKET SET - 12 AND 8 POINT

Product #: J52138



- 8 Point Standard: 1/4, 5/16, 3/8 Inch.
- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 12 Point Universal: 7/16, 1/2, 9/16, 5/8, 3/4 Inch.
- Accessories: Pear Head Ratchet, 3, 6, and 12 Inch Extensions, 7-7/8 Inch Hinge Handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 12.68

Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5208S	Socket, 3/8" DR 1/4" 8 PT	ASME B107.1	
J5210S	Socket, 3/8" DR 5/16" 8 PT	ASME B107.1	
J5212S	Socket, 3/8" DR 3/8" 8 PT	ASME B107.1	
J5274	Socket, 3/8" DR Universal 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5275	Socket, 3/8" DR Universal 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5276	Socket, 3/8" DR Universal 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5277	Socket, 3/8" DR Universal 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5279	Socket, 3/8" DR Universal 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1104	Blow-Molded Case		

3/8" DRIVE 33 PIECE COMBINATION SOCKET SET - 12 AND 8 POINT

Product #: J52138XL



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 8 Point Standard: 7/16, 1/2, 9/16, 5/8, 3/4 Inch.
- Accessories: Premium Ratchet, 3 and 12 Inch Extensions, Hinge handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 13.27

Contents	Description	ASME Spec.	AS Spec.
J5012	Socket, 3/8" DR 3/8" 12 PT Deep		
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep		
J5018	Socket, 3/8" DR 9/16" 12 PT Deep		
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep		
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5208S	Socket, 3/8" DR 1/4" 8 PT	ASME B107.1	
J5210S	Socket, 3/8" DR 5/16" 8 PT	ASME B107.1	
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5212S	Socket, 3/8" DR 3/8" 8 PT	ASME B107.1	
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5274A	Socket, 3/8" DR Universal 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5275A	Socket, 3/8" DR Universal 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5276A	Socket, 3/8" DR Universal 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5277A	Socket, 3/8" DR Universal 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5279A	Socket, 3/8" DR Universal 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1104	Blow-Molded Case		

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3/8" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

Product #: J52220

METRIC



- 6 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- 6 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, Hinge Handle, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 9.18

Contents	Description	ASME Spec.	AS Spec.
J5208MH	Socket, 3/8" DR 8 mm 6 PT	ASME B107.5M	
J5209MH	Socket, 3/8" DR 9 mm 6 PT	ASME B107.5M	
J5210MH	Socket, 3/8" DR 10 mm 6 PT	ASME B107.5M	
J5211MH	Socket, 3/8" DR 11 mm 6 PT	ASME B107.5M	
J5212MH	Socket, 3/8" DR 12 mm 6 PT	ASME B107.5M	
J5213MH	Socket, 3/8" DR 13 mm 6 PT	ASME B107.5M	
J5214MH	Socket, 3/8" DR 14 mm 6 PT	ASME B107.5M	
J5215MH	Socket, 3/8" DR 15 mm 6 PT	ASME B107.5M	
J5216MH	Socket, 3/8" DR 16 mm 6 PT	ASME B107.5M	
J5217MH	Socket, 3/8" DR 17 mm 6 PT	ASME B107.5M	
J5218MH	Socket, 3/8" DR 18 mm 6 PT	ASME B107.5M	
J5219MH	Socket, 3/8" DR 19 mm 6 PT	ASME B107.5M	
J5008MH	Socket, 3/8" DR 8 mm 6 PT Deep	ASME B107.5M	
J5009MH	Socket, 3/8" DR 9 mm 6 PT Deep	ASME B107.5M	
J5010MH	Socket, 3/8" DR 10 mm 6 PT Deep	ASME B107.5M	
J5011MH	Socket, 3/8" DR 11 mm 6 PT Deep	ASME B107.5M	
J5012MH	Socket, 3/8" DR 12 mm 6 PT Deep	ASME B107.5M	
J5013MH	Socket, 3/8" DR 13 mm 6 PT Deep	ASME B107.5M	
J5014MH	Socket, 3/8" DR 14 mm 6 PT Deep	ASME B107.5M	
J5015MH	Socket, 3/8" DR 15 mm 6 PT Deep	ASME B107.5M	
J5016MH	Socket, 3/8" DR 16 mm 6 PT Deep	ASME B107.5M	
J5017MH	Socket, 3/8" DR 17 mm 6 PT Deep	ASME B107.5M	
J5018MH	Socket, 3/8" DR 18 mm 6 PT Deep	ASME B107.5M	
J5019MH	Socket, 3/8" DR 19 mm 6 PT Deep	ASME B107.5M	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1106	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 6 POINT

METRIC

Product #: J52220XL

PREMIUM RATCHET

- 6 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- 6 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, Universal Joint, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 9.51



Contents	Description	ASME Spec.	AS Spec.
J5008MH	Socket, 3/8" DR 8 mm 6 PT Deep	ASME B107.5M	
J5009MH	Socket, 3/8" DR 9 mm 6 PT Deep	ASME B107.5M	
J5010MH	Socket, 3/8" DR 10 mm 6 PT Deep	ASME B107.5M	
J5011MH	Socket, 3/8" DR 11 mm 6 PT Deep	ASME B107.5M	
J5012MH	Socket, 3/8" DR 12 mm 6 PT Deep	ASME B107.5M	
J5013MH	Socket, 3/8" DR 13 mm 6 PT Deep	ASME B107.5M	
J5014MH	Socket, 3/8" DR 14 mm 6 PT Deep	ASME B107.5M	
J5015MH	Socket, 3/8" DR 15 mm 6 PT Deep	ASME B107.5M	
J5016MH	Socket, 3/8" DR 16 mm 6 PT Deep	ASME B107.5M	
J5017MH	Socket, 3/8" DR 17 mm 6 PT Deep	ASME B107.5M	
J5018MH	Socket, 3/8" DR 18 mm 6 PT Deep	ASME B107.5M	
J5019MH	Socket, 3/8" DR 19 mm 6 PT Deep	ASME B107.5M	
J5208MH	Socket, 3/8" DR 8 mm 6 PT	ASME B107.5M	
J5209MH	Socket, 3/8" DR 9 mm 6 PT	ASME B107.5M	
J5210MH	Socket, 3/8" DR 10 mm 6 PT	ASME B107.5M	
J5211MH	Socket, 3/8" DR 11 mm 6 PT	ASME B107.5M	
J5212MH	Socket, 3/8" DR 12 mm 6 PT	ASME B107.5M	
J5213MH	Socket, 3/8" DR 13 mm 6 PT	ASME B107.5M	
J5214MH	Socket, 3/8" DR 14 mm 6 PT	ASME B107.5M	
J5215MH	Socket, 3/8" DR 15 mm 6 PT	ASME B107.5M	
J5216MH	Socket, 3/8" DR 16 mm 6 PT	ASME B107.5M	
J5217MH	Socket, 3/8" DR 17 mm 6 PT	ASME B107.5M	
J5218MH	Socket, 3/8" DR 18 mm 6 PT	ASME B107.5M	
J5219MH	Socket, 3/8" DR 19 mm 6 PT	ASME B107.5M	
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1106	Blow-Molded Case		

3/8" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 12 POINT

METRIC

Product #: J52222

- 12 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- 12 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, Hinge Handle, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 9.14



Contents	Description	ASME Spec.	AS Spec.
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1106	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 29 PIECE METRIC COMBINATION SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J52222XL

- 12 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- 12 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, Universal Joint, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 9.36



Contents	Description	ASME Spec.	AS Spec.
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1106	Blow-Molded Case		

3/8" DRIVE 20 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J52224



- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Ratchet, 3 and 12 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 7.97

Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Universal Joint, 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1104	Blow-Molded Case		

3/8" DRIVE 20 PIECE METRIC SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J52224XL



- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Premium Ratchet, 3 and 12 Inch Extensions, Hinge handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 8.39

Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1107	Blow-Molded Case		

3/8" DRIVE 57 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J52226

- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22 mm.
- 12 Point Deep: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19 mm.
- 12 Point Universal: 9, 10, 11, 12, 13, 14, 15 mm.
- Hex: 4, 5, 6, 7, 8, 10 mm.
- Bits: #2, 3, 4 Phillips®, 1/4 Inch Slotted.
- Accessories: Pear Head Ratchet and Adapter, 3, 6, and 12 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, Sliding T-Handle, and Metal Box.
- Weight (lbs): 22.50



Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5220M	Socket, 3/8" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5221M	Socket, 3/8" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5222M	Socket, 3/8" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5007M	Socket, 3/8" DR 7 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1



Contents	Description	ASME Spec.	AS Spec.
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5272M	Socket, 3/8" DR Universal 9 mm 12 PT	ASME B107.5M	
J5273M	Socket, 3/8" DR Universal 10 mm 12 PT	ASME B107.5M	
J5274M	Socket, 3/8" DR Universal 11 mm 12 PT	ASME B107.5M	
J5275M	Socket, 3/8" DR Universal 12 mm 12 PT	ASME B107.5M	
J5276M	Socket, 3/8" DR Universal 13 mm 12 PT	ASME B107.5M	
J5277M	Socket, 3/8" DR Universal 14 mm 12 PT	ASME B107.5M	
J5278M	Socket, 3/8" DR Universal 15 mm 12 PT	ASME B107.5M	
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm		
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm		
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm		
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm		
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm		
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm		
J5241	Socket, Bit 3/8" DR #2 Phillips®		
J5242	Socket, Bit 3/8" DR #3 Phillips®		
J5243	Socket, Bit 3/8" DR #4 Phillips®		
J5246	Socket, Bit 3/8" DR Slotted		
J5247	Ratchet, Adapter 3/8" DR 2-1/16"	ASME B107.500	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Universal Joint, 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	AS4283
J5285	Handle, Sliding T 3/8" DR 8"	ASME B107.500	
J9977-NA	General Purpose Box with Tray		

3/8" DRIVE 57 PIECE METRIC SOCKET SET - 12 POINT - TOOLS ONLY

Product #: J52228

METRIC

- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 mm.
- 12 Point Deep: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Universal: 9, 10, 11, 12, 13, 14, 15 mm.
- Hex: 4, 5, 6, 7, 8, 10 mm.
- Screwdriver Bit: #2, #3, #4 Phillips®, and 1/4 Inch Slotted.
- Accessories: Pear Head Ratchet and Adapter, 3, 6, and 12 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, and Sliding T-Handle.
- Weight (lbs): 10.76



Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5220M	Socket, 3/8" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5221M	Socket, 3/8" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5222M	Socket, 3/8" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5007M	Socket, 3/8" DR 7 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5272M	Socket, 3/8" DR Universal 9 mm 12 PT	ASME B107.5M	
J5273M	Socket, 3/8" DR Universal 10 mm 12 PT	ASME B107.5M	
J5274M	Socket, 3/8" DR Universal 11 mm 12 PT	ASME B107.5M	
J5275M	Socket, 3/8" DR Universal 12 mm 12 PT	ASME B107.5M	
J5276M	Socket, 3/8" DR Universal 13 mm 12 PT	ASME B107.5M	
J5277M	Socket, 3/8" DR Universal 14 mm 12 PT	ASME B107.5M	
J5278M	Socket, 3/8" DR Universal 15 mm 12 PT	ASME B107.5M	
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm		
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm		
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm		

Contents	Description	ASME Spec.	AS Spec.
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm		
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm		
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm		
J5241	Socket, Bit 3/8" DR #2 Phillips®		
J5242	Socket, Bit 3/8" DR #3 Phillips®		
J5243	Socket, Bit 3/8" DR #4 Phillips®		
J5246	Socket, Bit 3/8" DR Slotted		
J5247	Ratchet, Adapter 3/8" DR 2-1/16"	ASME B107.500	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Universal Joint, 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
J5285	Handle, Sliding T 3/8" DR 8"	ASME B107.500	

3/8" DRIVE 22 PIECE SOCKET SET - 6 POINT

Product #: J52134



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 6 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 7.63

Contents	Description	ASME Spec.	AS Spec.
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep	ASME B107.1	
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep	ASME B107.1	
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep	ASME B107.1	
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep	ASME B107.1	
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep	ASME B107.1	
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep	ASME B107.1	
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep	ASME B107.1	
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep	ASME B107.1	
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep	ASME B107.1	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1102	Blow-Molded Case		

3/8" DRIVE 22 PIECE SOCKET SET - 6 POINT

Product #: J52134XL

- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 6 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 7.84



Contents	Description	ASME Spec.	AS Spec.
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep	ASME B107.1	
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep	ASME B107.1	
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep	ASME B107.1	
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep	ASME B107.1	
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep	ASME B107.1	
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep	ASME B107.1	
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep	ASME B107.1	
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep	ASME B107.1	
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep	ASME B107.1	
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1102	Blow-Molded Case		

3/8" DRIVE 22 PIECE SOCKET SET- 12 POINT

Product #: J52136

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 7.70



Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1102	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 22 PIECE SOCKET SET- 12 POINT

Product #: J52136XL



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 6.60

Contents	Description	ASME Spec.	AS Spec.
J5012	Socket, 3/8" DR 3/8" 12 PT Deep		
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep		
J5018	Socket, 3/8" DR 9/16" 12 PT Deep		
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep		
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
JBM1102	Blow-Molded Case		

3/8" DRIVE 16 PIECE METRIC SOCKET SET - 12 POINT

Product #: J52218



- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Pear Head Ratchet, 6 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 4.07

Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1101	Blow-Molded Case		

3/8" DRIVE 16 PIECE METRIC SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J52218XL



- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Premium Ratchet, 6 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 4.48

Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1101	Blow-Molded Case		

3/8" DRIVE 15 PIECE SOCKET SET - 12 POINT

Product #: J52132



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Pear Head Ratchet, 3 and 12 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 8.18

Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1105	Blow-Molded Case		

3/8" DRIVE 15 PIECE SOCKET SET - 12 POINT

Product #: J52132XL



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, Hinge handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 8.34

Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5262	Extension, 3/8" DR 12"	ASME B107.500	AS 4283
J5265	Handle, Hinge 3/8" DR 8-1/2"	ASME B107.500	AS 4283
J5270A	Joint, Universal 3/8" DR 2"	ASME B107.500	
J5280G	Handle, Speed 3/8" DR 17-1/2"	ASME B107.500	
JBM1105	Blow-Molded Case		

3/8" DRIVE 12 PIECE SOCKET SET - 6 POINT

Product #: J52128



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, and Blow-Molded Case.
- Weight (lbs): 3.67

Contents	Description	ASME Spec.	AS Spec.
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1103	Blow-Molded Case		

3/8" DRIVE 12 PIECE SOCKET SET - 6 POINT

Product #: J52128XL



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, and Blow-Molded Case.
- Weight (lbs): 4.03

Contents	Description	ASME Spec.	AS Spec.
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1103	Blow-Molded Case		

1/4" & 3/8" DRIVE 22 PIECE SOCKET SET - 6 POINT

Product #: J47152



- 1/4 Inch Drive 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8 Inch.
- 3/8 Inch Drive 6 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: 1/4 Inch Drive Socket Driver, 3/8 Inch Drive Pear Head Ratchet, 3 and 6 Inch Extensions, 3/8 Inch Female x 1/4 Inch Male Adapter, and Blow-Molded Case.
- Weight (lbs): 5.41

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4769	Socket, Driver 1/4" DR	ASME B107.500	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5230H	Socket, 3/8" DR 15/16" 6 PT	ASME B107.1	
J5232H	Socket, 3/8" DR 1" 6 PT	ASME B107.1	
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5255	Adaper 3/8" F x 1/4" M	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1003	Blow-Molded Case		

1/4" & 3/8" DRIVE 22 PIECE SOCKET SET - 6 POINT

Product #: J47152XL



- 1/4 Inch Drive 6 Point Standard: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 Inch.
- 3/8 Inch Drive 6 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, and 1 Inch.
- Accessories: Premium Ratchet, Female x Male Adapter, 3 and 6 Inch Extensions, and Blow-Molded Case.
- Weight (lbs): 5.57

Contents	Description	ASME Spec.	AS Spec.
J4706	Socket, 1/4" DR 3/16" 6 PT	ASME B107.1	
J4707	Socket, 1/4" DR 7/32" 6 PT	ASME B107.1	
J4708	Socket, 1/4" DR 1/4" 6 PT	ASME B107.1	
J4709	Socket, 1/4" DR 9/32" 6 PT	ASME B107.1	
J4710	Socket, 1/4" DR 5/16" 6 PT	ASME B107.1	
J4711	Socket, 1/4" DR 11/32" 6 PT	ASME B107.1	
J4712	Socket, 1/4" DR 3/8" 6 PT	ASME B107.1	
J4769	Socket, Driver 1/4" DR	ASME B107.500	
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1	
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1	
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1	
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1	
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1	
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1	
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1	
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1	
J5230H	Socket, 3/8" DR 15/16" 6 PT	ASME B107.1	
J5232H	Socket, 3/8" DR 1" 6 PT	ASME B107.1	
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5255	Adaper 3/8" F x 1/4" M	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1003	Blow-Molded Case		

3/8" DRIVE 12 PIECE SOCKET SET - 12 POINT

Product #: J52130



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Pear Head Ratchet, 3 and 6 Inch Extensions, and Blow-Molded Case.
- Weight (lbs): 3.70

Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249	Ratchet, 3/8" DR Standard Length Classic Pear Head 7"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1103	Blow-Molded Case		

3/8" DRIVE 12 PIECE SOCKET SET - 12 POINT

Product #: J52130XL



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Premium Ratchet, 3 and 6 Inch Extensions, and Blow-Molded Case.
- Weight (lbs): 4.00

Contents	Description	ASME Spec.	AS Spec.
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5249XL	Ratchet, 3/8" DR Standard Length Premium Pear Head 8-1/2"	ASME B107.500	
J5260	Extension, 3/8" DR 3"	ASME B107.500	AS 4283
J5260-06	Extension, 3/8" DR 6"	ASME B107.500	AS 4283
JBM1103	Blow-Molded Case		

3/8" DRIVE 21 PIECE METRIC SOCKET SET - 6 POINT

Product #: J52211



- 6 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- Accessories: 9 and 11 Inch Socket Bars, and 21 Socket Clips.
- Weight (lbs): 3.36

Contents	Description	ASME Spec.
J5206MH	Socket, 3/8" DR 6 mm 6 PT	ASME B107.5M
J5207MH	Socket, 3/8" DR 7 mm 6 PT	ASME B107.5M
J5208MH	Socket, 3/8" DR 8 mm 6 PT	ASME B107.5M
J5209MH	Socket, 3/8" DR 9 mm 6 PT	ASME B107.5M
J5210MH	Socket, 3/8" DR 10 mm 6 PT	ASME B107.5M
J5211MH	Socket, 3/8" DR 11 mm 6 PT	ASME B107.5M
J5212MH	Socket, 3/8" DR 12 mm 6 PT	ASME B107.5M
J5213MH	Socket, 3/8" DR 13 mm 6 PT	ASME B107.5M
J5214MH	Socket, 3/8" DR 14 mm 6 PT	ASME B107.5M
J5215MH	Socket, 3/8" DR 15 mm 6 PT	ASME B107.5M
J5216MH	Socket, 3/8" DR 16 mm 6 PT	ASME B107.5M
J5217MH	Socket, 3/8" DR 17 mm 6 PT	ASME B107.5M
J5218MH	Socket, 3/8" DR 18 mm 6 PT	ASME B107.5M
J5219MH	Socket, 3/8" DR 19 mm 6 PT	ASME B107.5M
J5220MH	Socket, 3/8" DR 20 mm 6 PT	ASME B107.5M
J5221MH	Socket, 3/8" DR 21 mm 6 PT	ASME B107.5M
J5222MH	Socket, 3/8" DR 22 mm 6 PT	ASME B107.5M
J5223MH	Socket, 3/8" DR 23 mm 6 PT	ASME B107.5M
J5224MH	Socket, 3/8" DR 24 mm 6 PT	ASME B107.5M
J5225MH	Socket, 3/8" DR 25 mm 6 PT	ASME B107.5M
J5226MH	Socket, 3/8" DR 26 mm 6 PT	ASME B107.5M
J2585	Socket, Bar 9"	
J2588	Socket, Bar 11"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 21 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J52215

- 12 Point Standard: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- Accessories: 9 and 11 Inch Socket Bars, and 21 Socket Clips.
- Weight (lbs): 2.98



Contents	Description	ASME Spec.	AS Spec.
J5206M	Socket, 3/8" DR 6 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5207M	Socket, 3/8" DR 7 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5220M	Socket, 3/8" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5221M	Socket, 3/8" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5222M	Socket, 3/8" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5223M	Socket, 3/8" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5224M	Socket, 3/8" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5225M	Socket, 3/8" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5226M	Socket, 3/8" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J2585	Socket, Bar 9"		
J2588	Socket, Bar 11"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 18 PIECE METRIC DEEP SOCKET SET - 12 POINT

METRIC

Product #: J52207

- 12 Point Deep: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 mm
- Accessories: 17 Inch Socket Bar with 18 Socket Clips.
- Weight (lbs): 4.55



Contents	Description	ASME Spec.	AS Spec.
J5006M	Socket, 3/8" DR 6 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5007M	Socket, 3/8" DR 7 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5020M	Socket, 3/8" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5021M	Socket, 3/8" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5022M	Socket, 3/8" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5023M	Socket, 3/8" DR 23 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 18 PIECE METRIC DEEP SOCKET SET - 6 POINT

METRIC

Product #: J52203

- 6 Point Deep: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 mm
- Accessories: 17 Inch Socket Bar with 18 Socket Clips.
- Weight (lbs): 4.78



Contents	Description	ASME Spec.
J5006MH	Socket, 3/8" DR 6 mm 6 PT Deep	ASME B107.5M
J5007MH	Socket, 3/8" DR 7 mm 6 PT Deep	ASME B107.5M
J5008MH	Socket, 3/8" DR 8 mm 6 PT Deep	ASME B107.5M
J5009MH	Socket, 3/8" DR 9 mm 6 PT Deep	ASME B107.5M
J5010MH	Socket, 3/8" DR 10 mm 6 PT Deep	ASME B107.5M
J5011MH	Socket, 3/8" DR 11 mm 6 PT Deep	ASME B107.5M
J5012MH	Socket, 3/8" DR 12 mm 6 PT Deep	ASME B107.5M
J5013MH	Socket, 3/8" DR 13 mm 6 PT Deep	ASME B107.5M
J5014MH	Socket, 3/8" DR 14 mm 6 PT Deep	ASME B107.5M
J5015MH	Socket, 3/8" DR 15 mm 6 PT Deep	ASME B107.5M
J5016MH	Socket, 3/8" DR 16 mm 6 PT Deep	ASME B107.5M
J5017MH	Socket, 3/8" DR 17 mm 6 PT Deep	ASME B107.5M
J5018MH	Socket, 3/8" DR 18 mm 6 PT Deep	ASME B107.5M
J5019MH	Socket, 3/8" DR 19 mm 6 PT Deep	ASME B107.5M
J5020MH	Socket, 3/8" DR 20 mm 6 PT Deep	ASME B107.5M
J5021MH	Socket, 3/8" DR 11 mm 6 PT Deep	ASME B107.5M
J5022MH	Socket, 3/8" DR 22 mm 6 PT Deep	ASME B107.5M
J5023MH	Socket, 3/8" DR 23 mm 6 PT Deep	ASME B107.5M
J2587	Socket, Bar 17"	
J2591	Socket, Clip 3/8" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 13 PIECE SOCKET SET - 12 POINT

Product #: J52124



- 12 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch
- Accessories: 13 Inch Socket Bar with 13 Socket Clips.
- Weight (lbs): 1.96

Contents	Description	ASME Spec.	AS Spec.
J5208	Socket, 3/8" DR 1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5210	Socket, 3/8" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5230	Socket, 3/8" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5232	Socket, 3/8" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 13 PIECE SOCKET SET - 6 POINT

Product #: J52126



- 6 Point Standard: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch
- Accessories: 13 Inch Socket Bar with 13 Socket Clips.
- Weight (lbs): 2.10

Contents	Description	ASME Spec.
J5208H	Socket, 3/8" DR 1/4" 6 PT	ASME B107.1
J5210H	Socket, 3/8" DR 5/16" 6 PT	ASME B107.1
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1
J5230H	Socket, 3/8" DR 15/16" 6 PT	ASME B107.1
J5232H	Socket, 3/8" DR 1" 6 PT	ASME B107.1
J2586	Socket, Bar 13"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 13 PIECE DEEP SOCKET SET - 6 POINT

Product #: J52114



- 6 Point Deep: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: 13 Inch Socket Bar with 13 Socket Clips.
- Weight (lbs): 3.73

Contents	Description	ASME Spec.
J5008H	Socket, 3/8" DR 1/4" 6 PT Deep	ASME B107.1
J5010H	Socket, 3/8" DR 5/16" 6 PT Deep	ASME B107.1
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep	ASME B107.1
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep	ASME B107.1
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep	ASME B107.1
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep	ASME B107.1
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep	ASME B107.1
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep	ASME B107.1
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep	ASME B107.1
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep	ASME B107.1
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep	ASME B107.1
J5030H	Socket, 3/8" DR 15/16" 6 PT Deep	ASME B107.1
J5032H	Socket, 3/8" DR 1" 6 PT Deep	ASME B107.1
J2586	Socket, Bar 13"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 13 PIECE DEEP SOCKET SET - 12 POINT

Product #: J52112



- 12 Point Deep: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: 13 Inch Socket Bar with 13 Socket Clips.
- Weight (lbs): 3.64

Contents	Description	ASME Spec.	AS Spec.
J5008	Socket, 3/8" DR 1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5010	Socket, 3/8" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5030	Socket, 3/8" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5032	Socket, 3/8" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 12 PIECE METRIC SOCKET SET - 6 POINT

METRIC

Product #: J52212



- 6 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: 13 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs): 1.35

Contents	Description	ASME Spec.
J5208MH	Socket, 3/8" DR 8 mm 6 PT	ASME B107.5M
J5209MH	Socket, 3/8" DR 9 mm 6 PT	ASME B107.5M
J5210MH	Socket, 3/8" DR 10 mm 6 PT	ASME B107.5M
J5211MH	Socket, 3/8" DR 11 mm 6 PT	ASME B107.5M
J5212MH	Socket, 3/8" DR 12 mm 6 PT	ASME B107.5M
J5213MH	Socket, 3/8" DR 13 mm 6 PT	ASME B107.5M
J5214MH	Socket, 3/8" DR 14 mm 6 PT	ASME B107.5M
J5215MH	Socket, 3/8" DR 15 mm 6 PT	ASME B107.5M
J5216MH	Socket, 3/8" DR 16 mm 6 PT	ASME B107.5M
J5217MH	Socket, 3/8" DR 17 mm 6 PT	ASME B107.5M
J5218MH	Socket, 3/8" DR 18 mm 6 PT	ASME B107.5M
J5219MH	Socket, 3/8" DR 19 mm 6 PT	ASME B107.5M
J2586	Socket, Bar 13"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 12 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J52216



- 12 Point Standard: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: 13 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs): 1.32

Contents	Description	ASME Spec.	AS Spec.
J5208M	Socket, 3/8" DR 8 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5209M	Socket, 3/8" DR 9 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5210M	Socket, 3/8" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5211M	Socket, 3/8" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5212M	Socket, 3/8" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5213M	Socket, 3/8" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5214M	Socket, 3/8" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5215M	Socket, 3/8" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5216M	Socket, 3/8" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5217M	Socket, 3/8" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5218M	Socket, 3/8" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5219M	Socket, 3/8" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 12 PIECE METRIC DEEP SOCKET SET - 12 POINT

METRIC

Product #: J52209

- 12 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: 13 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs): 2.52



Contents	Description	ASME Spec.	AS Spec.
J5008M	Socket, 3/8" DR 8 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5009M	Socket, 3/8" DR 9 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5010M	Socket, 3/8" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5011M	Socket, 3/8" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5012M	Socket, 3/8" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5013M	Socket, 3/8" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5014M	Socket, 3/8" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5015M	Socket, 3/8" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5016M	Socket, 3/8" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5017M	Socket, 3/8" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5018M	Socket, 3/8" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5019M	Socket, 3/8" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 12 PIECE METRIC DEEP SOCKET SET - 6 POINT

METRIC

Product #: J52205

- 6 Point Deep: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: 13 Inch Socket Bar with 12 Socket Clips.
- Weight (lbs): 2.62



Contents	Description	ASME Spec.
J5008MH	Socket, 3/8" DR 8 mm 6 PT Deep	ASME B107.5M
J5009MH	Socket, 3/8" DR 9 mm 6 PT Deep	ASME B107.5M
J5010MH	Socket, 3/8" DR 10 mm 6 PT Deep	ASME B107.5M
J5011MH	Socket, 3/8" DR 11 mm 6 PT Deep	ASME B107.5M
J5012MH	Socket, 3/8" DR 12 mm 6 PT Deep	ASME B107.5M
J5013MH	Socket, 3/8" DR 13 mm 6 PT Deep	ASME B107.5M
J5014MH	Socket, 3/8" DR 14 mm 6 PT Deep	ASME B107.5M
J5015MH	Socket, 3/8" DR 15 mm 6 PT Deep	ASME B107.5M
J5016MH	Socket, 3/8" DR 16 mm 6 PT Deep	ASME B107.5M
J5017MH	Socket, 3/8" DR 17 mm 6 PT Deep	ASME B107.5M
J5018MH	Socket, 3/8" DR 18 mm 6 PT Deep	ASME B107.5M
J5019MH	Socket, 3/8" DR 19 mm 6 PT Deep	ASME B107.5M
J2586	Socket, Bar 13"	
J2591	Socket, Clip 3/8" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 10 PIECE SOCKET SET - 6 POINT

Product #: J52122



- 6 Point Standard: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: 9 Inch Socket Bar, 10 Socket Clips.
- Weight (lbs): 1.34

Contents	Description	ASME Spec.
J5210H	Socket, 3/8" DR 5/16" 6 PT	ASME B107.1
J5212H	Socket, 3/8" DR 3/8" 6 PT	ASME B107.1
J5214H	Socket, 3/8" DR 7/16" 6 PT	ASME B107.1
J5216H	Socket, 3/8" DR 1/2" 6 PT	ASME B107.1
J5218H	Socket, 3/8" DR 9/16" 6 PT	ASME B107.1
J5220H	Socket, 3/8" DR 5/8" 6 PT	ASME B107.1
J5222H	Socket, 3/8" DR 11/16" 6 PT	ASME B107.1
J5224H	Socket, 3/8" DR 3/4" 6 PT	ASME B107.1
J5226H	Socket, 3/8" DR 13/16" 6 PT	ASME B107.1
J5228H	Socket, 3/8" DR 7/8" 6 PT	ASME B107.1
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 10 PIECE SOCKET SET - 12 POINT

Product #: J52118



- 12 Point Standard: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: 9 Inch Socket Bar, 10 Socket Clips.
- Weight (lbs): 1.30

Contents	Description	ASME Spec.	AS Spec.
J5210	Socket, 3/8" DR 5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5212	Socket, 3/8" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5214	Socket, 3/8" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5216	Socket, 3/8" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5218	Socket, 3/8" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5220	Socket, 3/8" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5222	Socket, 3/8" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5224	Socket, 3/8" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5226	Socket, 3/8" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5228	Socket, 3/8" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J2585	Socket, Bar 9"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 10 PIECE DEEP SOCKET SET - 6 POINT

Product #: J52111

- 6 Point Deep: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: 9 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 2.51



Contents	Description	ASME Spec.
J5010H	Socket, 3/8" DR 5/16" 6 PT Deep	ASME B107.1
J5012H	Socket, 3/8" DR 3/8" 6 PT Deep	ASME B107.1
J5014H	Socket, 3/8" DR 7/16" 6 PT Deep	ASME B107.1
J5016H	Socket, 3/8" DR 1/2" 6 PT Deep	ASME B107.1
J5018H	Socket, 3/8" DR 9/16" 6 PT Deep	ASME B107.1
J5020H	Socket, 3/8" DR 5/8" 6 PT Deep	ASME B107.1
J5022H	Socket, 3/8" DR 11/16" 6 PT Deep	ASME B107.1
J5024H	Socket, 3/8" DR 3/4" 6 PT Deep	ASME B107.1
J5026H	Socket, 3/8" DR 13/16" 6 PT Deep	ASME B107.1
J5028H	Socket, 3/8" DR 7/8" 6 PT Deep	ASME B107.1
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 10 PIECE DEEP SOCKET SET - 12 POINT

Product #: J52107

- 12 Point Deep: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: 9 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 2.43



Contents	Description	ASME Spec.	AS Spec.
J5010	Socket, 3/8" DR 5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5012	Socket, 3/8" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5014	Socket, 3/8" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5016	Socket, 3/8" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5018	Socket, 3/8" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5020	Socket, 3/8" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5022	Socket, 3/8" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5024	Socket, 3/8" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5026	Socket, 3/8" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5028	Socket, 3/8" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2585	Socket, Bar 9"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 10 PIECE SUPER SHORT SOCKET SET - 6 POINT

Product #: J52123

Contents	Description
J5206HS	Socket, 3/8" DR 3/16" 6 PT Super Short
J5208HS	Socket, 3/8" DR 1/4" 6 PT Super Short
J5210HS	Socket, 3/8" DR 5/16" 6 PT Super Short
J5212HS	Socket, 3/8" DR 3/8" 6 PT Super Short
J5214HS	Socket, 3/8" DR 7/16" 6 PT Super Short
J5216HS	Socket, 3/8" DR 1/2" 6 PT Super Short
J5218HS	Socket, 3/8" DR 9/16" 6 PT Super Short
J5220HS	Socket, 3/8" DR 5/8" 6 PT Super Short
J5222HS	Socket, 3/8" DR 11/16" 6 PT Super Short
J5224HS	Socket, 3/8" DR 3/4" 6 PT Super Short
J2585	Socket, Bar 9"
J2591	Socket, Clip 3/8" DR



- 6 Point Super Short: 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 Inch.
- Accessories: 9 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 0.82

3/8" DRIVE 13 PIECE BLACK OXIDE SOCKET SET - 12 POINT

Product #: J52304

- 12 Point: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Weight (lbs): 1.93



Contents	Description	ASME Spec.	AS Spec.
J5208B	Socket, 3/8" DR 1/4" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5210B	Socket, 3/8" DR 5/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5212B	Socket, 3/8" DR 3/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5214B	Socket, 3/8" DR 7/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5216B	Socket, 3/8" DR 1/2" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5218B	Socket, 3/8" DR 9/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5220B	Socket, 3/8" DR 5/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5222B	Socket, 3/8" DR 11/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5224B	Socket, 3/8" DR 3/4" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5226B	Socket, 3/8" DR 13/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5228B	Socket, 3/8" DR 7/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5230B	Socket, 3/8" DR 15/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5232B	Socket, 3/8" DR 1" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 10 PIECE METRIC UNIVERSAL SOCKET SET - 6 POINT

METRIC

Product #: J52201



- 6 Point Universal: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: 9 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 1.36

Contents	Description	ASME Spec.
J5273HAM	Socket, 3/8" DR Universal 10 mm 6 PT	ASME B107.5M
J5274HAM	Socket, 3/8" DR Universal 11 mm 6 PT	ASME B107.5M
J5275HAM	Socket, 3/8" DR Universal 12 mm 6 PT	ASME B107.5M
J5276HAM	Socket, 3/8" DR Universal 13 mm 6 PT	ASME B107.5M
J5277HAM	Socket, 3/8" DR Universal 14 mm 6 PT	ASME B107.5M
J5278HAM	Socket, 3/8" DR Universal 15 mm 6 PT	ASME B107.5M
J5279HAM	Socket, 3/8" DR Universal 16 mm 6 PT	ASME B107.5M
J5280HAM	Socket, 3/8" DR Universal 17 mm 6 PT	ASME B107.5M
J5281HAM	Socket, 3/8" DR Universal 18 mm 6 PT	ASME B107.5M
J5282HAM	Socket, 3/8" DR Universal 19 mm 6 PT	ASME B107.5M
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 7 PIECE UNIVERSAL SOCKET SET - 12 POINT

Product #: J52102



- 12 Point Universal 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 0.94

Contents	Description	ASME Spec.	AS Spec.
J5273A	Socket, 3/8" DR Universal 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5274A	Socket, 3/8" DR Universal 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5275A	Socket, 3/8" DR Universal 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5276A	Socket, 3/8" DR Universal 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5277A	Socket, 3/8" DR Universal 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5278A	Socket, 3/8" DR Universal 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5279A	Socket, 3/8" DR Universal 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J2584	Socket, Bar 6-1/4"		
J2591	Socket, Clip 3/8" DR		

3/8" DRIVE 7 PIECE METRIC UNIVERSAL SOCKET SET - 12 POINT

METRIC

Product #: J52200



- 12 Point Standard: 9, 10, 11, 12, 13, 14, 15 mm.
- Accessories: 6-1/4 Inch Socket Bar, 7 Socket Clips.
- Weight (lbs): 0.92

Contents	Description	ASME Spec.
J5272AM	Socket, 3/8" DR Universal 9 mm 12 PT	ASME B107.5M
J5273AM	Socket, 3/8" DR Universal 10 mm 12 PT	ASME B107.5M
J5274AM	Socket, 3/8" DR Universal 11 mm 12 PT	ASME B107.5M
J5275AM	Socket, 3/8" DR Universal 12 mm 12 PT	ASME B107.5M
J5276AM	Socket, 3/8" DR Universal 13 mm 12 PT	ASME B107.5M
J5277AM	Socket, 3/8" DR Universal 14 mm 12 PT	ASME B107.5M
J5278AM	Socket, 3/8" DR Universal 15 mm 12 PT	ASME B107.5M
J2584	Socket, Bar 6-1/4"	
J2591	Socket, Clip 3/8" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 7 PIECE UNIVERSAL SOCKET SET - 6 POINT

Product #: J52100



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 0.97

Contents	Description	ASME Spec.
J5273HA	Socket, 3/8" DR Universal 3/8" 6 PT	ASME B107.1
J5274HA	Socket, 3/8" DR Universal 7/16" 6 PT	ASME B107.1
J5275HA	Socket, 3/8" DR Universal 1/2" 6 PT	ASME B107.1
J5276HA	Socket, 3/8" DR Universal 9/16" 6 PT	ASME B107.1
J5277HA	Socket, 3/8" DR Universal 5/8" 6 PT	ASME B107.1
J5278HA	Socket, 3/8" DR Universal 11/16" 6 PT	ASME B107.1
J5279HA	Socket, 3/8" DR Universal 3/4" 6 PT	ASME B107.1
J2584	Socket, Bar 6-1/4"	
J2591	Socket, Clip 3/8" DR	

3/8" & 1/2" DRIVE 10 PIECE HEX BIT SET

Product #: J4900A

Contents	Description
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J4968PB	Blow-Molded Case



- 3/8 Inch Drive: 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Inch.
- 1/2 Inch Drive: 1/2, 9/16, 5/8 Inch.
- Blow-Molded Case.
- Weight (lbs): 3.15

3/8" & 1/2" DRIVE 10 PIECE METRIC HEX BIT SET

METRIC

Product #: J4900MA

Contents	Description
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 3/8" DR 17 mm
J4968PB	Blow-Molded Case



- 3/8 Inch Drive: 4, 5, 6, 7, 8, 9, 10.
- 1/2 Inch Drive: 12, 14, 17 mm.
- Blow-Molded Case.
- Weight (lbs): 3.11

3/8" & 1/2" DRIVE 10 PIECE HEX BIT SET

Product #: J4900AC

Contents	Description
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J2585	Socket, Bar 9"
J2591	Socket, Clip 3/8" DR
J2592	Socket Clip



- 3/8 Inch Drive: 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Inch.
- 1/2 Inch Drive: 1/2, 9/16, 5/8 Inch.
- Accessories 9 Inch Socket Bar with 10 Socket Clips.
- Weight (lbs): 2.91

3/8" DRIVE 7 PIECE HEX BIT SET

Product #: J4900-7C

Contents	Description
J49901/8	Socket, Hex Bit 3/8" DR 1/8"
J49905/32	Socket, Hex Bit 3/8" DR 5/32"
J49903/16	Socket, Hex Bit 3/8" DR 3/16"
J49907/32	Socket, Hex Bit 3/8" DR 7/32"
J49901/4	Socket, Hex Bit 3/8" DR 1/4"
J49905/16	Socket, Hex Bit 3/8" DR 5/16"
J49903/8	Socket, Hex Bit 3/8" DR 3/8"
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 0.99

3/8" DRIVE 7 PIECE BALL STYLE EXTRA-LONG HEX BIT SET

Product #: J4900BD

Contents	Description
J4904BD	Socket, 3/8" DR 1/8" Ball Style Hex Bit
J4905BD	Socket, 3/8" DR 5/32" Ball Style Hex Bit
J4906BD	Socket, 3/8" DR 3/16" Ball Style Hex Bit
J4907BD	Socket, 3/8" DR 7/32" Ball Style Hex Bit
J4908BD	Socket, 3/8" DR 1/4" Ball Style Hex Bit
J4910BD	Socket, 3/8" DR 5/16" Ball Style Hex Bit
J4912BD	Socket, 3/8" DR 3/8" Ball Style Hex Bit
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 1/8, 5/32, 3/16, 7/32, 1/4, 3/8 Inch.
- Accessories: 6-1/4 Inch Socket Bar and 7 Socket Clips.
- Weight (lbs): 1.46

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 7 PIECE EXTRA-LONG HEX BIT SET

Product #: J4990-7XL

Contents	Description
J49901/8XL	Socket, 3/8" DR 1/8" Hex Bit Extra-Long
J49905/32XL	Socket, 3/8" DR 5/32" Hex Bit Extra-Long
J49903/16XL	Socket, 3/8" DR 3/16" Hex Bit Extra-Long
J49907/32XL	Socket, 3/8" DR 7/32" Hex Bit Extra-Long
J49901/4XL	Socket, 3/8" DR 1/4" Hex Bit Extra-Long
J49905/16XL	Socket, 3/8" DR 5/16" Hex Bit Extra-Long
J49903/8XL	Socket, 3/8" DR 3/8" Hex Bit Extra-Long
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Inch.
- Accessories: 6-1/4 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 1.21

3/8" DRIVE 7 PIECE SHORT HEX BIT SET

Product #: J4990-7ST

Contents	Description
J49901/8ST	Socket, 3/8" DR 1/8" Hex Bit Short
J49905/32ST	Socket, 3/8" DR 5/32" Hex Bit Short
J49903/16ST	Socket, 3/8" DR 3/16" Hex Bit Short
J49907/32ST	Socket, 3/8" DR 7/32" Hex Bit Short
J49901/4ST	Socket, 3/8" DR 1/4" Hex Bit Short
J49905/16ST	Socket, 3/8" DR 5/16" Hex Bit Short
J49903/8ST	Socket, 3/8" DR 3/8" Hex Bit Short
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 1/4, 1/8, 3/16, 3/8, 5/16, 5/32, 7/32 Inch.
- Accessories: 6-1/4 Inch Socket Bar, 7 Socket Clips.
- Weight (lbs): 0.84

3/8" DRIVE 7 PIECE METRIC SHORT HEX BIT SET

METRIC

Product #: J4990-MST

Contents	Description
J4990-4MST	Socket, Hex Bit 3/8" DR 4 mm Short
J4990-5MST	Socket, Hex Bit 3/8" DR 5 mm Short
J4990-6MST	Socket, Hex Bit 3/8" DR 6 mm Short
J4990-7MST	Socket, Hex Bit 3/8" DR 7 mm Short
J4990-8MST	Socket, Hex Bit 3/8" DR 8 mm Short
J4990-9MST	Socket, Hex Bit 3/8" DR 9 mm Short
J4990-10MST	Socket, Hex Bit 3/8" DR 10 mm Short
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 4, 5, 6, 7, 8, 9, 10 mm.
- Accessories: 6-1/4 Inch Socket Bar, 7 Socket Clips.
- Weight (lbs): 0.83

3/8" DRIVE 7 PIECE METRIC HEX BIT SET

METRIC

Product #: J4990-SMA

Contents	Description
J4990-4M	Socket, Hex Bit 3/8" DR 4 mm
J4990-5M	Socket, Hex Bit 3/8" DR 5 mm
J4990-6M	Socket, Hex Bit 3/8" DR 6 mm
J4990-7M	Socket, Hex Bit 3/8" DR 7 mm
J4990-8M	Socket, Hex Bit 3/8" DR 8 mm
J4990-9M	Socket, Hex Bit 3/8" DR 9 mm
J4990-10M	Socket, Hex Bit 3/8" DR 10 mm
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 4, 5, 6, 7, 8, 9, 10 mm.
- Accessories: 6-1/4 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 1.04

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

3/8" DRIVE 6 PIECE METRIC EXTRA-LONG HEX BIT SET

Product #: J4990-SMXL

Contents	Description
J4990-4MXL	Socket, Hex Bit 3/8" DR 4 mm X-Long
J4990-5MXL	Socket, Hex Bit 3/8" DR 5 mm X-Long
J4990-6MXL	Socket, Hex Bit 3/8" DR 6 mm X-Long
J4990-7MXL	Socket, Hex Bit 3/8" DR 7 mm X-Long
J4990-8MXL	Socket, Hex Bit 3/8" DR 8 mm X-Long
J4990-10MXL	Socket, Hex Bit 3/8" DR 10 mm X-Long
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- 4, 5, 6, 7, 8, 10 mm
- Accessories: 6-1/4 Inch Socket Bar with 6 Socket Clips.
- Weight (lbs): 1.23

1/4" & 3/8" DRIVE 11 PIECE TORX® BIT SET

Product #: J5239P

Contents	Description
J60508	Bit, Insert T10 Torx® 1/4" Hex
J60510	Bit, Insert T15 Torx® 1/4" Hex
J60512	Bit, Insert T20 Torx® 1/4" Hex
J60514	Bit, Insert T25 Torx® 1/4" Hex
J60516	Bit, Insert T27 Torx® 1/4" Hex
J60518	Bit, Insert T30 Torx® 1/4" Hex
J60562	Bit, Insert T40 Torx® 1/4" Hex
J60564	Bit, Insert T45 Torx® 1/4" Hex
J60566	Bit, Insert T50 Torx® 1/4" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex
J25TR50C	Pouch



- T10 - T50, 2 Bit Holders, with Pouch.
- Weight (lbs): 0.36

3/8" DRIVE 6 PIECE TORX® BIT SET

Product #: J5238C

Contents	Description
J5239-15W	Socket, Bit 3/8" DR T15 Torx®
J5239-20W	Socket, Bit 3/8" DR T20 Torx®
J5239-25W	Socket, Bit 3/8" DR T25 Torx®
J5239-27W	Socket, Bit 3/8" DR T27 Torx®
J5239-30W	Socket, Bit 3/8" DR T30 Torx®
J5239-40W	Socket, Bit 3/8" DR T40 Torx®
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



- T15, T20, T25, T27, T30, T40.
- Accessories: 6-1/4 Inch Socket Bar with 6 Socket Clips.
- Weight (lbs): 0.78

3/8" DRIVE 8 PIECE TORX® BIT SET

Product #: J5239C

Contents	Description
J5239-15W	Socket, Bit 3/8" DR T15 Torx®
J5239-20W	Socket, Bit 3/8" DR T20 Torx®
J5239-25W	Socket, Bit 3/8" DR T25 Torx®
J5239-27W	Socket, Bit 3/8" DR T27 Torx®
J5239-30W	Socket, Bit 3/8" DR T30 Torx®
J5239-40W	Socket, Bit 3/8" DR T40 Torx®
J5239-45W	Socket, Bit 3/8" DR T45 Torx®
J5239-50W	Socket, Bit 3/8" DR T50 Torx®
J2585	Socket, Bar 9"
J2591	Socket, Clip 3/8" DR



- T15, T20, T25, T27, T30, T40, T45, T50.
- Accessories: 9 Inch Socket Bar with 8 Socket Clips.
- Weight (lbs): 1.04

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

9 PIECE 3/8" DRIVE TORQUE ADAPTER SOCKET SET - 12 POINT

Product #: J5100

Contents	Description	AS Spec.
J5112	Torque Adapter, 3/8" DR 3/8"	AS954E S3.8.1
J5114	Torque Adapter, 3/8" DR 7/16"	AS954E S3.8.1
J5116	Torque Adapter, 3/8" DR 1/2"	AS954E S3.8.1
J5118	Torque Adapter, 3/8" DR 9/16"	AS954E S3.8.1
J5120	Torque Adapter, 3/8" DR 5/8"	AS954E S3.8.1
J5122	Torque Adapter, 3/8" DR 11/16"	AS954E S3.8.1
J5124	Torque Adapter, 3/8" DR 3/4"	AS954E S3.8.1
J5126	Torque Adapter, 3/8" DR 13/16"	AS954E S3.8.1
J5128	Torque Adapter, 3/8" DR 7/8"	AS954E S3.8.1
J2599	Socket Bar For Torque Adapters	

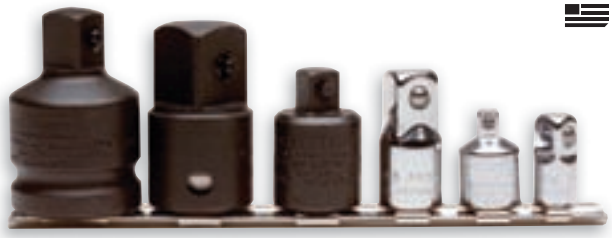


- 12 Point Standard with Torque Adapter: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: Steel Holder.
- Weight (lbs): 1.32

3/8" DRIVE 6 PIECE ADAPTER SET

Product #: J52006

Contents	Description	ASME Spec.
J5255	Adapter, 3/8" F x 1/4" M	ASME B107.500
J5256	Adapter, 1/4" F x 3/8" M	ASME B107.500
J5253	Adapter, 3/8" F x 1/2" M	ASME B107.500
J7651	Socket, Impact 1/2" DR Adapter 1/2" F x 3/8" M	ASME B107.2
J7652	Socket, Impact 1/2" DR Adapter 1/2" F x 3/4" M	ASME B107.2
J7653	Socket, Impact 1/2" DR Adapter 3/4" F x 1/2" M	ASME B107.2
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	
J2592	Socket, Clip 1/2" DR	



- Hand Impact: 3/8F x 1/4"M, 1/4F x 3/8"M, 3/8F x 1/2"M.
- Impact: 1/2F x 3/8"M, 1/2F x 3/4"M, 3/4F x 1/2"M.
- Accessories: 6-1/4" Socket Bar, 6 Socket Clips, Drive Size 1/4, 3/8, 1/2, and 3/4 Inch, Full Polish/Black Oxide Finish.
- Weight (lbs): 1.33

3/8" DRIVE 53 PIECE CROWFOOT WRENCH SET

Product #: J49000CFL



- Wrenches Included 3/8 Inch Drive: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 2-1/16, 2-1/8, 2-3/16, 2-1/4, 2-5/16, 2-3/8, 2-7/16, 2-1/2, 2-9/16, 2-5/8, 2-11/16, 2-3/4, 2-13/16, 2-7/8, 2-15/16, 3 Inch.
- Flare Nut: 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 3/8 Inch.
- Drive Locking Extensions: 3/8" Drive Locking Extensions: 6, 12" L.
- Full Polish Chrome Finish.
- Weight (lbs): 26.14

Contents	Description	ASME Spec.
J4912CF	Wrench, Crowfoot Open End 3/8" DR 3/8"	ASME B107.21
J4914CF	Wrench, Crowfoot Open End 3/8" DR 7/16"	ASME B107.21
J4916CF	Wrench, Crowfoot Open End 3/8" DR 1/2"	ASME B107.21
J4918CF	Wrench, Crowfoot Open End 3/8" DR 9/16"	ASME B107.21
J4920CF	Wrench, Crowfoot Open End 3/8" DR 5/8"	ASME B107.21
J4922CF	Wrench, Crowfoot Open End 3/8" DR 11/16"	ASME B107.21
J4924CF	Wrench, Crowfoot Open End 3/8" DR 3/4"	ASME B107.21
J4926CF	Wrench, Crowfoot Open End 3/8" DR 13/16"	ASME B107.21
J4928CF	Wrench, Crowfoot Open End 3/8" DR 7/8"	ASME B107.21
J4930CF	Wrench, Crowfoot Open End 3/8" DR 15/16"	ASME B107.21
J4932CF	Wrench, Crowfoot Open End 3/8" DR 1"	ASME B107.21



Contents	Description	ASME Spec.
J4934CF	Wrench, Crowfoot Open End 3/8" DR 1-1/16"	ASME B107.21
J4936CF	Wrench, Crowfoot Open End 3/8" DR 1-1/8"	ASME B107.21
J4938CF	Wrench, Crowfoot Open End 3/8" DR 1-3/16"	ASME B107.21
J4940CF	Wrench, Crowfoot Open End 3/8" DR 1-1/4"	ASME B107.21
J4942CF	Wrench, Crowfoot Open End 3/8" DR 1-5/16"	ASME B107.21
J4944CF	Wrench, Crowfoot Open End 3/8" DR 1-3/8"	ASME B107.21
J4946CF	Wrench, Crowfoot Open End 3/8" DR 1-7/16"	ASME B107.21
J4948CF	Wrench, Crowfoot Open End 3/8" DR 1-1/2"	ASME B107.21
J4950CF	Wrench, Crowfoot Open End 3/8" DR 1-9/16"	ASME B107.21
J4952CF	Wrench, Crowfoot Open End 3/8" DR 1-5/8"	ASME B107.21
J4954CF	Wrench, Crowfoot Open End 3/8" DR 1-11/16"	ASME B107.21
J4956CF	Wrench, Crowfoot Open End 3/8" DR 1-3/4"	ASME B107.21
J4958CF	Wrench, Crowfoot Open End 3/8" DR 1-13/16"	ASME B107.21
J4960CF	Wrench, Crowfoot Open End 3/8" DR 1-7/8"	ASME B107.21
J4962CF	Wrench, Crowfoot Open End 3/8" DR 1-15/16"	ASME B107.21
J4964CF	Wrench, Crowfoot Open End 3/8" DR 2"	ASME B107.21
J4966CF	Wrench, Crowfoot Open End 3/8" DR 2-1/16"	ASME B107.21
J4968CF	Wrench, Crowfoot Open End 3/8" DR 2-1/8"	ASME B107.21
J4970CF	Wrench, Crowfoot Open End 3/8" DR 2-3/16"	ASME B107.21
J4972CF	Wrench, Crowfoot Open End 3/8" DR 2-1/4"	ASME B107.21
J4974CF	Wrench, Crowfoot Open End 3/8" DR 2-5/16"	ASME B107.21
J4976CF	Wrench, Crowfoot Open End 3/8" DR 2-3/8"	ASME B107.21
J4978CF	Wrench, Crowfoot Open End 3/8" DR 2-7/16"	ASME B107.21
J4980CF	Wrench, Crowfoot Open End 3/8" DR 2-1/2"	ASME B107.21
J4982CF	Wrench, Crowfoot Open End 3/8" DR 2-9/16"	ASME B107.21
J4984CF	Wrench, Crowfoot Open End 3/8" DR 2-5/8"	ASME B107.21
J4986CF	Wrench, Crowfoot Open End 3/8" DR 2-11/16"	ASME B107.21
J4988CF	Wrench, Crowfoot Open End 3/8" DR 2-3/4"	ASME B107.21
J4990CF	Wrench, Crowfoot Open End 3/8" DR 2-13/16"	ASME B107.21
J4992CF	Wrench, Crowfoot Open End 3/8" DR 2-7/8"	ASME B107.21
J4994CF	Wrench, Crowfoot Open End 3/8" DR 2-15/16"	ASME B107.21
J4996CF	Wrench, Crowfoot Open End 3/8" DR 3"	ASME B107.21
J4920FL	Wrench, Crowfoot Flare Nut 3/8" DR 5/8"	ASME B107.21
J4922FL	Wrench, Crowfoot Flare Nut 3/8" DR 11/16"	ASME B107.21
J4924FL	Wrench, Crowfoot Flare Nut 3/8" DR 3/4"	ASME B107.21
J4926FL	Wrench, Crowfoot Flare Nut 3/8" DR 13/16"	ASME B107.21
J4928FL	Wrench, Crowfoot Flare Nut 3/8" DR 7/8"	ASME B107.21
J4930FL	Wrench, Crowfoot Flare Nut 3/8" DR 15/16"	ASME B107.21
J4932FL	Wrench, Crowfoot Flare Nut 3/8" DR 1"	ASME B107.21
J4934FL	Wrench, Crowfoot Flare Nut 3/8" DR 1-1/16"	ASME B107.21
J5262L	Extension, 3/8" DR Locking 12"	ASME B107.500
J5260-06L	Extension, 3/8" DR Locking 6"	ASME B107.500

3/8" DRIVE 43 PIECE CROWFOOT WRENCH SET

Product #: J49001CF

- Wrenches Included 3/8 Inch Drive: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8,15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16.
- Full Polish Chrome Finish.
- Weight (lbs): 23.92



Contents	Description	ASME Spec.
J4912CF	Wrench, Crowfoot Open End 3/8" DR 3/8"	ASME B107.21
J4914CF	Wrench, Crowfoot Open End 3/8" DR 7/16"	ASME B107.21
J4916CF	Wrench, Crowfoot Open End 3/8" DR 1/2"	ASME B107.21
J4918CF	Wrench, Crowfoot Open End 3/8" DR 9/16"	ASME B107.21
J4920CF	Wrench, Crowfoot Open End 3/8" DR 5/8"	ASME B107.21
J4922CF	Wrench, Crowfoot Open End 3/8" DR 11/16"	ASME B107.21
J4924CF	Wrench, Crowfoot Open End 3/8" DR 3/4"	ASME B107.21
J4926CF	Wrench, Crowfoot Open End 3/8" DR 13/16"	ASME B107.21
J4928CF	Wrench, Crowfoot Open End 3/8" DR 7/8"	ASME B107.21
J4930CF	Wrench, Crowfoot Open End 3/8" DR 15/16"	ASME B107.21
J4932CF	Wrench, Crowfoot Open End 3/8" DR 1"	ASME B107.21
J4934CF	Wrench, Crowfoot Open End 3/8" DR 1-1/16"	ASME B107.21
J4936CF	Wrench, Crowfoot Open End 3/8" DR 1-1/8"	ASME B107.21
J4938CF	Wrench, Crowfoot Open End 3/8" DR 1-3/16"	ASME B107.21
J4940CF	Wrench, Crowfoot Open End 3/8" DR 1-1/4"	ASME B107.21
J4942CF	Wrench, Crowfoot Open End 3/8" DR 1-5/16"	ASME B107.21
J4944CF	Wrench, Crowfoot Open End 3/8" DR 1-3/8"	ASME B107.21
J4946CF	Wrench, Crowfoot Open End 3/8" DR 1-7/16"	ASME B107.21
J4948CF	Wrench, Crowfoot Open End 3/8" DR 1-1/2"	ASME B107.21
J4950CF	Wrench, Crowfoot Open End 3/8" DR 1-9/16"	ASME B107.21
J4952CF	Wrench, Crowfoot Open End 3/8" DR 1-5/8"	ASME B107.21
J4954CF	Wrench, Crowfoot Open End 3/8" DR 1-11/16"	ASME B107.21
J4956CF	Wrench, Crowfoot Open End 3/8" DR 1-3/4"	ASME B107.21
J4958CF	Wrench, Crowfoot Open End 3/8" DR 1-13/16"	ASME B107.21
J4960CF	Wrench, Crowfoot Open End 3/8" DR 1-7/8"	ASME B107.21
J4962CF	Wrench, Crowfoot Open End 3/8" DR 1-15/16"	ASME B107.21
J4964CF	Wrench, Crowfoot Open End 3/8" DR 2"	ASME B107.21
J4966CF	Wrench, Crowfoot Open End 3/8" DR 2-1/16"	ASME B107.21
J4968CF	Wrench, Crowfoot Open End 3/8" DR 2-1/8"	ASME B107.21
J4970CF	Wrench, Crowfoot Open End 3/8" DR 2-3/16"	ASME B107.21
J4972CF	Wrench, Crowfoot Open End 3/8" DR 2-1/4"	ASME B107.21
J4974CF	Wrench, Crowfoot Open End 3/8" DR 2-5/16"	ASME B107.21
J4976CF	Wrench, Crowfoot Open End 3/8" DR 2-3/8"	ASME B107.21
J4978CF	Wrench, Crowfoot Open End 3/8" DR 2-7/16"	ASME B107.21
J4980CF	Wrench, Crowfoot Open End 3/8" DR 2-1/2"	ASME B107.21
J4982CF	Wrench, Crowfoot Open End 3/8" DR 2-9/16"	ASME B107.21
J4984CF	Wrench, Crowfoot Open End 3/8" DR 2-5/8"	ASME B107.21
J4986CF	Wrench, Crowfoot Open End 3/8" DR 2-11/16"	ASME B107.21
J4988CF	Wrench, Crowfoot Open End 3/8" DR 2-3/4"	ASME B107.21
J4990CF	Wrench, Crowfoot Open End 3/8" DR 2-13/16"	ASME B107.21
J4992CF	Wrench, Crowfoot Open End 3/8" DR 2-7/8"	ASME B107.21
J4994CF	Wrench, Crowfoot Open End 3/8" DR 2-15/16"	ASME B107.21
J4996CF	Wrench, Crowfoot Open End 3/8" DR 3"	ASME B107.21

3/8" DRIVE 27 PIECE CROWFOOT WRENCH SET

Product #: J49002CF

- Wrenches Included 3/8 Inch Drive: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2 Inch.
- Full Polish Chrome Finish.
- Weight (lbs): 6.74



Contents	Description	ASME Spec.
J4912CF	Wrench, Crowfoot Open End 3/8" DR 3/8"	ASME B107.21
J4914CF	Wrench, Crowfoot Open End 3/8" DR 7/16"	ASME B107.21
J4916CF	Wrench, Crowfoot Open End 3/8" DR 1/2"	ASME B107.21
J4918CF	Wrench, Crowfoot Open End 3/8" DR 9/16"	ASME B107.21
J4920CF	Wrench, Crowfoot Open End 3/8" DR 5/8"	ASME B107.21
J4922CF	Wrench, Crowfoot Open End 3/8" DR 11/16"	ASME B107.21
J4924CF	Wrench, Crowfoot Open End 3/8" DR 3/4"	ASME B107.21
J4926CF	Wrench, Crowfoot Open End 3/8" DR 13/16"	ASME B107.21
J4928CF	Wrench, Crowfoot Open End 3/8" DR 7/8"	ASME B107.21
J4930CF	Wrench, Crowfoot Open End 3/8" DR 15/16"	ASME B107.21
J4932CF	Wrench, Crowfoot Open End 3/8" DR 1"	ASME B107.21
J4934CF	Wrench, Crowfoot Open End 3/8" DR 1-1/16"	ASME B107.21
J4936CF	Wrench, Crowfoot Open End 3/8" DR 1-1/8"	ASME B107.21
J4938CF	Wrench, Crowfoot Open End 3/8" DR 1-3/16"	ASME B107.21
J4940CF	Wrench, Crowfoot Open End 3/8" DR 1-1/4"	ASME B107.21
J4942CF	Wrench, Crowfoot Open End 3/8" DR 1-5/16"	ASME B107.21
J4944CF	Wrench, Crowfoot Open End 3/8" DR 1-3/8"	ASME B107.21
J4946CF	Wrench, Crowfoot Open End 3/8" DR 1-7/16"	ASME B107.21
J4948CF	Wrench, Crowfoot Open End 3/8" DR 1-1/2"	ASME B107.21
J4950CF	Wrench, Crowfoot Open End 3/8" DR 1-9/16"	ASME B107.21
J4952CF	Wrench, Crowfoot Open End 3/8" DR 1-5/8"	ASME B107.21
J4954CF	Wrench, Crowfoot Open End 3/8" DR 1-11/16"	ASME B107.21
J4956CF	Wrench, Crowfoot Open End 3/8" DR 1-3/4"	ASME B107.21
J4958CF	Wrench, Crowfoot Open End 3/8" DR 1-13/16"	ASME B107.21
J4960CF	Wrench, Crowfoot Open End 3/8" DR 1-7/8"	ASME B107.21
J4962CF	Wrench, Crowfoot Open End 3/8" DR 1-15/16"	ASME B107.21
J4964CF	Wrench, Crowfoot Open End 3/8" DR 2"	ASME B107.21

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 16 PIECE METRIC CROWFOOT WRENCH SET

METRIC

Product #: J49000MCF



- Wrenches Included 3/8 Inch Drive: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm.
- Full Polish Chrome Finish.
- Weight (lbs): 2.59

Contents	Description	ASME Spec.
J4909MCF	Wrench, Crowfoot Open End 3/8" DR 9 mm	ASME B107.21
J4910MCF	Wrench, Crowfoot Open End 3/8" DR 10 mm	ASME B107.21
J4911MCF	Wrench, Crowfoot Open End 3/8" DR 11 mm	ASME B107.21
J4912MCF	Wrench, Crowfoot Open End 3/8" DR 12 mm	ASME B107.21
J4913MCF	Wrench, Crowfoot Open End 3/8" DR 13 mm	ASME B107.21
J4914MCF	Wrench, Crowfoot Open End 3/8" DR 14 mm	ASME B107.21
J4915MCF	Wrench, Crowfoot Open End 3/8" DR 15 mm	ASME B107.21
J4916MCF	Wrench, Crowfoot Open End 3/8" DR 16 mm	ASME B107.21
J4917MCF	Wrench, Crowfoot Open End 3/8" DR 17 mm	ASME B107.21
J4918MCF	Wrench, Crowfoot Open End 3/8" DR 18 mm	ASME B107.21
J4919MCF	Wrench, Crowfoot Open End 3/8" DR 19 mm	ASME B107.21
J4920MCF	Wrench, Crowfoot Open End 3/8" DR 20 mm	ASME B107.21
J4921MCF	Wrench, Crowfoot Open End 3/8" DR 21 mm	ASME B107.21
J4922MCF	Wrench, Crowfoot Open End 3/8" DR 22 mm	ASME B107.21
J4923MCF	Wrench, Crowfoot Open End 3/8" DR 23 mm	ASME B107.21
J4924MCF	Wrench, Crowfoot Open End 3/8" DR 24 mm	ASME B107.21

3/8" DRIVE 15 PIECE CROWFOOT WRENCH SET

Product #: J49003CF



- Wrenches Included 3/8 Inch Drive: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Socket Clips and Bar.
- Full Polish Chrome Finish.
- Weight (lbs): 2.07

Contents	Description	ASME Spec.
J4912CF	Wrench, Crowfoot Open End 3/8" DR 3/8"	ASME B107.21
J4914CF	Wrench, Crowfoot Open End 3/8" DR 7/16"	ASME B107.21
J4916CF	Wrench, Crowfoot Open End 3/8" DR 1/2"	ASME B107.21
J4918CF	Wrench, Crowfoot Open End 3/8" DR 9/16"	ASME B107.21
J4920CF	Wrench, Crowfoot Open End 3/8" DR 5/8"	ASME B107.21
J4922CF	Wrench, Crowfoot Open End 3/8" DR 11/16"	ASME B107.21
J4924CF	Wrench, Crowfoot Open End 3/8" DR 3/4"	ASME B107.21
J4926CF	Wrench, Crowfoot Open End 3/8" DR 13/16"	ASME B107.21
J4928CF	Wrench, Crowfoot Open End 3/8" DR 7/8"	ASME B107.21
J4930CF	Wrench, Crowfoot Open End 3/8" DR 15/16"	ASME B107.21
J4932CF	Wrench, Crowfoot Open End 3/8" DR 1"	ASME B107.21
J4934CF	Wrench, Crowfoot Open End 3/8" DR 1-1/16"	ASME B107.21
J4936CF	Wrench, Crowfoot Open End 3/8" DR 1-1/8"	ASME B107.21
J4938CF	Wrench, Crowfoot Open End 3/8" DR 1-3/16"	ASME B107.21
J4940CF	Wrench, Crowfoot Open End 3/8" DR 1-1/4"	ASME B107.21

3/8" DRIVE 9 PIECE CROWFOOT WRENCH SET

Product #: J49004CF



- Wrenches Included 3/8 Inch Drive: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 Inch.
- Accessories: 13 Inch Socket Bar with 9 Socket Clips.
- Full Polish Chrome Finish.
- Weight (lbs): 0.83

Contents	Description	ASME Spec.
J4912CF	Wrench, Crowfoot Open End 3/8" DR 3/8"	ASME B107.21
J4914CF	Wrench, Crowfoot Open End 3/8" DR 7/16"	ASME B107.21
J4916CF	Wrench, Crowfoot Open End 3/8" DR 1/2"	ASME B107.21
J4918CF	Wrench, Crowfoot Open End 3/8" DR 9/16"	ASME B107.21
J4920CF	Wrench, Crowfoot Open End 3/8" DR 5/8"	ASME B107.21
J4922CF	Wrench, Crowfoot Open End 3/8" DR 11/16"	ASME B107.21
J4924CF	Wrench, Crowfoot Open End 3/8" DR 3/4"	ASME B107.21
J4926CF	Wrench, Crowfoot Open End 3/8" DR 13/16"	ASME B107.21
J4928CF	Wrench, Crowfoot Open End 3/8" DR 7/8"	ASME B107.21

3/8" DRIVE 8 PIECE CROWFOOT FLARE NUT WRENCH SET

Product #: J4900FL

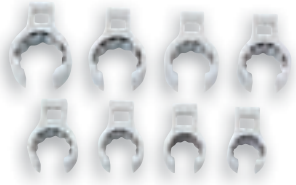


- Weight (lbs): 0.80

Contents	Description	ASME Spec.
J4920FL	Wrench, Crowfoot 3/8" DR 5/8" Flare Nut	ASME B107.21
J4922FL	Wrench, Crowfoot 3/8" DR 11/16" Flare Nut	ASME B107.21
J4924FL	Wrench, Crowfoot 3/8" DR 3/4" Flare Nut	ASME B107.21
J4926FL	Wrench, Crowfoot 3/8" DR 13/16" Flare Nut	ASME B107.21
J4928FL	Wrench, Crowfoot 3/8" DR 7/8" Flare Nut	ASME B107.21
J4930FL	Wrench, Crowfoot 3/8" DR 15/16" Flare Nut	ASME B107.21
J4932FL	Wrench, Crowfoot 3/8" DR 1" Flare Nut	ASME B107.21
J4934FL	Wrench, Crowfoot 3/8" DR 1-1/16" Flare Nut	ASME B107.21
J2586	Socket, Bar 13"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 8 PIECE CROWFOOT FLARE NUT WRENCH SET

Product #: J49000CFFN



- Wrenches Included Flare Nut 3/8 Inch Drive: 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16 Inch.
- Full Polish Chrome Finish.
- Weight (lbs): 1.15

Contents	Description	ASME Spec.
J4920FL	Wrench, Crowfoot Flare Nut 3/8" DR 5/8"	ASME B107.21
J4922FL	Wrench, Crowfoot Flare Nut 3/8" DR 11/16"	ASME B107.21
J4924FL	Wrench, Crowfoot Flare Nut 3/8" DR 3/4"	ASME B107.21
J4926FL	Wrench, Crowfoot Flare Nut 3/8" DR 13/16"	ASME B107.21
J4928FL	Wrench, Crowfoot Flare Nut 3/8" DR 7/8"	ASME B107.21
J4930FL	Wrench, Crowfoot Flare Nut 3/8" DR 15/16"	ASME B107.21
J4932FL	Wrench, Crowfoot Flare Nut 3/8" DR 1"	ASME B107.21
J4934FL	Wrench, Crowfoot Flare Nut 3/8" DR 1-1/16"	ASME B107.21

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE STANDARD LENGTH PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET



- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or Black oxide finish.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249XL	3/8	Full Polish	8-1/2	0.86	J5249XLRK
J5249XLBL	3/8	Black Oxide	8-1/2	0.87	J5249XLRK

ASME B107.500

3/8" DRIVE QUICK RELEASE PREMIUM PEAR HEAD RATCHET

PREMIUM RATCHET



- Small, pear head design for access in tight, hard to reach work areas.
- 45-tooth gear, 8° swing articulation.
- Low profile quick release button for access in restricted areas.
- Low profile reversing lever design for quick, one-hand operation.
- Patented sealed head design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Full polished handle, easy to clean.
- Double nickel chrome plated for enhanced corrosion protection meeting aerospace requirements.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249XLQR	3/8	Full Polish	8-1/2	0.86	J5249XLQRRK
J5249XLQRBL	3/8	Black Oxide	8-1/2	0.86	J5249XLQRRK

ASME B107.10

3/8" DRIVE LONG HANDLE PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET



- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or Black oxide finish.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5250XL	3/8	Full Polish	11	1.03	J5249XLRK
J5250XLBL	3/8	Black Oxide	11	0.98	J5249XLRK

ASME B107.500

3/8" DRIVE AEROSPACE PREMIUM PEAR HEAD RATCHET

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Unique 45-tooth gear pawl design provides 8° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.
- Full polish nickel chrome plated.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249XLHS	3/8	Full Polish	8-1/2	0.86	J5249XLHSRK

ASME B107.500

3/8" DRIVE STUBBY CLASSIC PEAR HEAD RATCHET

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5248S	3/8	Full Polish	5	0.28	J5249RK

ASME B107.500

3/8" DRIVE STANDARD LENGTH CLASSIC PEAR HEAD RATCHETS

- Tough, replaceable, molded plastic head.
- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249	3/8	Full Polish	7	0.61	J5249RK
J5249BL	3/8	Black Oxide	7	0.62	J5249RK

ASME B107.500

3/8" DRIVE LONG HANDLE CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5250	3/8	Full Polish	11	0.89	J5249RK
J5250BL	3/8	Black Oxide	11	0.81	J5249RK

ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



3/8" DRIVE AEROSPACE CLASSIC PEAR HEAD RATCHET

- Vertical hole drilled in drive plug, designed for installation of frangible collars on threaded pins.
- Metal spring clip on drive plug for positive socket retention.
- Unique 24-tooth gear pawl design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249HS	3/8	Full Polish	7	0.62	J5249HSRK

ASME B107.500

3/8" DRIVE STANDARD LENGTH ROUND HEAD RATCHET

- Small head design and tight swing arc allows fastener to access tight areas.
- Full polished shaft with knurled grip for slip-resistant and strong grip.
- 5° ratcheting angle.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5252F	3/8	Full Polish	7-3/8	0.57	J5252FRK

ASME B107.500

3/8" DRIVE FLEX-HEAD RATCHET

- 180° flex.
- 72-tooth gear.
- 5° ratcheting angle.
- Small head design and tight swing to allow access to fastener in a tight area.
- Full polish shaft with knurled grip allows for a strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5257F	3/8	Full Polish	8-1/2	0.86	J5252FRK

ASME B107.500

3/8" DRIVE FEMALE DRIVE RATCHET

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.
- Made of heat-treated alloy steel.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5249FW	3/8	Full Polish	7	0.56	J5249FWRK

ASME B107.500

3/8" DRIVE SPINNER RATCHET

- Made from alloy steel.
- Heat-treated for strength and durability.
- Fits on the drive end of the ratchet for quickly running down the fastener before final tightening with the ratchet.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5251	3/8	Full Polish	1-1/2	0.56

ASME B107.500

3/8" DRIVE FLEXIBLE DRIVER

- Made of heat-treated alloy steel.

Product #	Drive Size (in)	Overall Length (in)	Weight (lbs)
J5267	3/8	9	0.35

ASME B107.500



3/8" DRIVE RATCHET ADAPTERS

- Converts standard handles to ratcheting handles.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5247	3/8	Full Polish	2-1/16	0.34

ASME B107.500



3/8" DRIVE HINGE HANDLES

- Made of heat-treated alloy steel
- Head flexes 90° from horizontal.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5265	3/8	Full Polish	8-1/2	0.58
J5265BL	3/8	Black Oxide	8-1/2	0.58
J5266	3/8	Full Polish	12	0.80

ASME B107.500



3/8" DRIVE SPEED HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5280G	3/8	Full Polish	17-1/2	0.86

ASME B107.500



3/8" DRIVE SLIDING T-HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5285	3/8	Full Polish	8	0.41

ASME B107.500



3/8" DRIVE STANDARD EXTENSIONS

- Made from alloy steel.
- Heat-treated for strength and durability.





Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5259	3/8	Full Polish	1-3/4	0.11
J5259B	3/8	Black Oxide	1-3/4	0.11
J5260	3/8	Full Polish	3	0.16
J5260B	3/8	Black Oxide	3	0.16
J5260-06	3/8	Full Polish	6	0.31
J5260-06B	3/8	Black Oxide	6	0.30
J5261	3/8	Full Polish	8	0.40
J5261B	3/8	Black Oxide	8	0.46
J5262	3/8	Full Polish	12	0.61
J5262B	3/8	Black Oxide	12	0.62
J5263	3/8	Full Polish	17-3/16	0.94

ASME B107.500

3/8" DRIVE LOCKING EXTENSIONS

- One-piece extension design.
- Provides positive socket retention.
- Use where accidental socket disengagement may be a concern or safety hazard.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5260-03L	3/8	Full Polish	3	0.21
J5260-06L	3/8	Full Polish	6	0.37
J5261L	3/8	Full Polish	8	0.49
J5262L	3/8	Full Polish	12	0.71

ASME B107.500

3/8" DRIVE WOBBLE EXTENSIONS

- Provides up to a 17° angle of operation.
- Made from alloy steel.
- Heat-treated for strength and durability.
- Rigid wobble extension.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5259W	3/8	Full Polish	1-3/4	0.11
J5260W	3/8	Full Polish	3	0.17
J5260-06W	3/8	Full Polish	6	0.29
J5261W	3/8	Full Polish	8	0.42
J5262W	3/8	Full Polish	12	0.65
J5263W	3/8	Full Polish	17-3/16	0.92

ASME B107.500

3/8" DRIVE FLEXIBLE EXTENSIONS

- Made of heat-treated alloy steel.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5268	3/8	Black Oxide	8	0.25

ASME B107.500

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

3/8" DRIVE DRIVE ADAPTERS

Product #	Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5256	1/4" F x 3/8" M	Full Polish	1	0.04
J5253	3/8" F x 1/2" M	Full Polish	1-7/16	0.11
J5255	3/8" F x 1/4" M	Full Polish	1	0.05
J5254	1/2" F x 3/8" M	Full Polish	1-3/8	0.13

ASME B107.500



3/8" DRIVE LOCKING ADAPTER

- Includes hex key for easy locking into drive tool.
- Knurl locking ring.

Product #	Finish	Overall Length (in)	Weight (lbs)
J5260-02BLS	Black Oxide	2-1/8	0.12



3/8" DRIVE UNIVERSAL JOINTS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5270A	3/8	Full Polish	1-7/8	0.13

ASME B107.500



3/8" DRIVE SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5206H	3/16	5/16	43/64	23/64	21/32	1-3/32	0.07
J5208H	1/4	13/32	43/64	23/64	21/32	1-3/32	0.05
J5209H	9/32	27/64	43/64	23/64	21/32	1-3/32	0.05
J5210H	5/16	15/32	43/64	23/64	21/32	1-3/32	0.06
J5211H	11/32	1/2	43/64	23/64	21/32	1-3/32	0.06
J5212H	3/8	9/16	43/64	23/64	21/32	1-3/32	0.07
J5214H	7/16	41/64	43/64	23/64	21/32	1-3/32	0.06
J5216H	1/2	47/64	47/64	23/64	11/16	1-1/8	0.08
J5218H	9/16	13/16	13/16	1/2	11/16	1-1/8	0.09
J5220H	5/8	7/8	7/8	33/64	11/16	1-1/8	0.11
J5222H	11/16	61/64	61/64	17/32	11/16	1-1/8	0.13
J5224H	3/4	1-1/64	1-1/64	39/64	3/4	1-3/16	0.15
J5226H	13/16	1-3/32	1-3/32	39/64	3/4	1-3/16	0.18
J5228H	7/8	1-3/16	1-3/16	43/64	7/8	1-5/16	0.24
J5230H	15/16	1-1/4	1-1/4	49/64	7/8	1-5/16	0.26
J5232H	1	1-5/16	1-5/16	13/16	15/16	1-3/8	0.30

ASME B107.1

3/8" DRIVE METRIC SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J52055MH	5.5	23/64	43/64	1/4	21/32	1-3/32	0.04
J5206MH	6	25/64	43/64	1/4	39/64	1-3/32	0.04
J5207MH	7	27/64	43/64	1/4	39/64	1-3/32	0.05
J5208MH	8	15/32	43/64	1/4	39/64	1-3/32	0.04
J5209MH	9	33/64	43/64	9/32	39/64	1-3/32	0.04
J5210MH	10	19/32	43/64	9/32	1-3/32	1-3/32	0.04
J5211MH	11	41/64	43/64	9/32	39/64	1-3/32	0.04
J5212MH	12	45/64	45/64	9/32	11/16	1-1/8	0.05
J5213MH	13	47/64	47/64	9/32	11/16	1-1/8	0.08
J5214MH	14	25/32	25/32	15/32	11/16	1-1/8	0.08
J5215MH	15	27/32	27/32	17/32	11/16	1-1/8	0.09
J5216MH	16	55/64	55/64	17/32	11/16	1-1/8	0.09
J5217MH	17	15/16	15/16	17/32	11/16	1-1/8	0.13
J5218MH	18	61/64	61/64	17/32	3/4	1-3/16	0.13
J5219MH	19	1	1	17/32	3/4	1-3/16	0.14
J5220MH	20	1-3/32	1-3/32	5/8	3/4	1-3/16	0.16
J5221MH	21	1-3/32	1-3/32	5/8	51/64	1-15/64	0.18
J5222MH	22	1-11/64	1-11/64	43/64	57/64	1-5/16	0.24
J5223MH	23	1-3/16	1-3/16	57/64	57/64	1-5/16	0.23
J5224MH	24	1-1/4	1-1/4	49/64	57/64	1-5/16	0.26
J5225MH	25	9/64	1-21/64	49/64	15/16	1-3/8	0.32
J5226MH	26	1-21/64	1-21/64	49/64	15/16	1-3/8	0.30

ASME B107.5M

THE STORY BEHIND

TORQUEPLUS FASTENING SYSTEM

TorquePlus™ is a fresh look at an old problem in sockets: worn, stripped and stubborn fasteners.

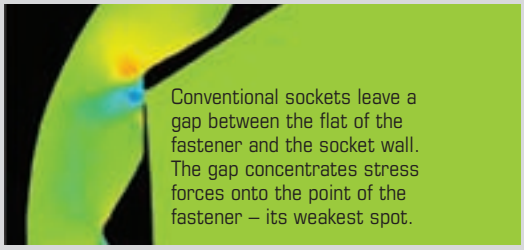
Conventional sockets contact the fasteners near the points of both the fastener and the socket, where they are the weakest.

Excessive force on this combination of fastener and socket can cause fastener rounding, or cut through the socket wall.

The TorquePlus™ design enables sockets to grip the fastener flats, away from the points.

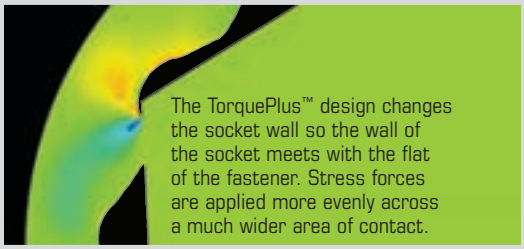
- Allows up to 15% more torque to be applied safely to the fastener.
- Reduces the risk of fastener rounding.
- Improves the ability to turn worn or rounded fasteners.

The TorquePlus™ design also meets aerospace specifications.



Conventional sockets leave a gap between the flat of the fastener and the socket wall. The gap concentrates stress forces onto the point of the fastener – its weakest spot.

STRESS MAP of a conventional socket.



The TorquePlus™ design changes the socket wall so the wall of the socket meets with the flat of the fastener. Stress forces are applied more evenly across a much wider area of contact.

STRESS MAP of a TorquePlus™ socket.

3/8" DRIVE DEEP SOCKETS - 6 POINT

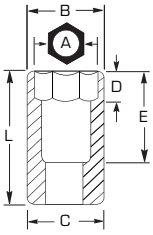


- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5008H	1/4	25/64	41/64	21/64	1-11/16	2-1/8	0.12
J5010H	5/16	11/32	41/64	11/32	1-11/16	2-1/8	0.10
J5011H	11/32	1/2	41/64	21/32	1-11/16	2-1/8	0.10
J5012H	3/8	9/16	41/64	11/32	1-11/16	2-1/8	0.11
J5014H	7/16	41/64	41/64	7/16	1-11/16	2-1/8	0.12
J5016H	1/2	23/32	23/32	33/64	1-11/16	2-1/8	0.14
J5018H	9/16	51/64	51/64	19/32	1-11/16	2-1/8	0.17
J5020H	5/8	7/8	7/8	21/32	1-11/16	2-3/4	0.25
J5022H	11/16	61/64	61/64	21/32	1-23/32	2-3/4	0.29
J5024H	3/4	1-1/64	1-1/64	11/16	1-23/32	2-3/4	0.32
J5026H	13/16	1-5/64	1-5/64	11/16	2-5/64	2-3/4	0.35
J5028H	7/8	1-11/64	1-11/64	11/16	2-5/64	2-3/4	0.40
J5030H	15/16	1-15/64	1-15/64	1-3/16	2-5/64	2-3/4	0.52
J5032H	1	1-21/64	1-21/64	1-3/16	2-5/64	2-3/4	0.58

ASME B107.1



3/8" DRIVE METRIC DEEP SOCKETS - 6 POINT



METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5006MH	6	25/64	21/32	5/16	1-11/16	2-1/8	0.10
J5007MH	7	27/64	21/32	5/16	1-11/16	2-1/8	0.09
J5008MH	8	15/32	21/32	5/16	1-15/16	2-1/8	0.10
J5009MH	9	33/64	21/32	25/64	1-11/16	2-1/8	0.10
J5010MH	10	37/64	21/32	25/64	1-11/16	2-1/8	0.11
J5011MH	11	21/32	21/32	7/16	1-11/16	2-1/8	0.12
J5012MH	12	45/64	45/64	33/64	1-1/2	2-1/8	0.14
J5013MH	13	23/32	23/32	33/64	1-1/2	2-1/8	0.15
J5014MH	14	25/32	25/32	19/32	1-1/2	2-1/8	0.16
J5015MH	15	55/64	55/64	21/32	2-5/16	2-3/4	0.24
J5016MH	16	55/64	55/64	21/32	2-5/16	2-3/4	0.24
J5017MH	17	15/16	15/16	21/32	2-5/16	2-3/4	0.28
J5018MH	18	15/16	15/16	21/32	2-5/16	2-3/4	0.28
J5019MH	19	1-1/64	1-1/64	11/16	2-5/16	2-3/4	0.33
J5020MH	20	1-5/64	1-5/64	11/16	2-5/16	2-3/4	0.35
J5021MH	21	1-5/64	1-5/64	11/16	2-5/16	2-3/4	0.35
J5022MH	22	1-11/64	1-11/64	11/16	2-5/16	2-3/4	0.46
J5023MH	23	1-15/64	1-15/64	1-3/16	2-5/16	2-3/4	0.55
J5024MH	24	1-9/32	1-9/32	1-3/16	2-5/16	2-3/4	0.56
J5025MH	25	1-9/32	1-9/32	1-3/16	2-5/16	2-3/4	0.56
J5026MH	26	1-9/32	1-9/32	1-3/16	2-5/16	2-3/4	0.65

ASME B107.5M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE SUPER SHORT SOCKETS - 6 POINT



- Proto® 6 Point Sockets can be used on stubborn hex bolts or bolts made from softer materials.
- TorquePlus™ features apply.
- Contact stresses are dispersed over a larger area.
- Risk of rounding the fastener is reduced.
- Enables users to turn worn, rounded fasteners.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Overall Length (in) (L)	Weight (lbs)
J5206HS	3/16	5/8	3/4	0.04
J5208HS	1/4	5/8	13/16	0.03
J5210HS	5/16	5/8	3/4	0.03
J5212HS	3/8	5/8	3/4	0.04
J5214HS	7/16	3/4	7/8	0.04
J5216HS	1/2	3/4	7/8	0.05
J5218HS	9/16	3/4	7/8	0.17
J5220HS	5/8	7/8	15/16	0.09
J5222HS	11/16	15/16	15/16	0.09
J5224HS	3/4	15/16	15/16	0.11

3/8" DRIVE SOCKETS - 8 POINT



- For square fasteners.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5208S	1/4	35/34	5/8	1/4	39/64	1-5/64	0.04
J5210S	5/16	9/16	5/8	1/4	39/64	1-5/64	0.05
J5212S	3/8	11/16	11/16	1/4	39/64	1-5/64	0.07
J5214S	7/16	3/4	3/4	17/64	39/64	1-5/64	0.08
J5216S	1/2	7/8	7/8	5/16	21/32	1-1/8	0.12

ASME B107.1

3/8" DRIVE SOCKETS - 12 POINT



- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5208	1/4	25/64	43/64	23/64	21/32	1-3/32	0.05
J5209	9/32	27/64	43/64	21/32	21/32	1-3/32	0.05
J5210	5/16	15/32	43/64	23/64	21/32	1-3/32	0.05
J5211	11/32	1/2	43/64	23/64	21/32	1-3/32	0.05
J5212	3/8	35/64	43/64	23/64	21/32	1-3/32	0.06
J5214	7/16	41/64	43/64	23/64	21/32	1-3/32	0.06
J5216	1/2	47/64	47/64	23/64	21/64	1-1/8	0.08
J5217	17/32	49/64	49/64	23/64	11/16	1-1/8	0.08
J5218	9/16	13/16	13/16	1/2	11/16	1-1/8	0.09
J5219	19/32	33/64	27/32	1/2	11/16	1-1/8	0.09
J5220	5/8	7/8	7/8	33/64	11/16	1-1/8	0.10
J5222	11/16	61/64	61/64	17/32	11/16	1-1/8	0.13
J5224	3/4	1-1/32	1-1/32	39/64	3/4	1-3/16	0.15
J5225	25/32	1-1/16	1-1/16	39/64	3/4	1-3/16	0.16
J5226	13/16	1-3/32	1-3/32	39/64	3/4	1-3/16	0.17
J5228	7/8	1-3/16	1-3/16	41/64	7/8	1-5/16	0.24
J5230	15/16	1-1/4	1-1/4	49/64	7/8	1-5/16	0.25
J5232	1	1-5/16	1-5/16	13/16	59/64	1-3/8	0.27

AS954E S3.8.1 ASME B107.1

3/8" DRIVE METRIC SOCKETS - 12 POINT



METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5206M	6	25/64	43/64	1/4	45/64	1-3/32	0.05
J5207M	7	27/64	43/64	1/4	45/64	1-3/32	0.05
J5208M	8	15/32	43/64	1/4	45/64	1-3/32	0.06
J5209M	9	33/64	43/64	9/32	45/64	1-3/32	0.05
J5210M	10	19/32	43/64	5/16	45/64	1-3/32	0.06
J5211M	11	41/64	43/64	21/64	45/64	1-3/32	0.07
J5212M	12	45/64	45/64	9/32	1/2	1-1/8	0.05
J5213M	13	47/64	47/64	9/32	1/2	1-1/8	0.07
J5214M	14	25/32	25/32	15/32	7/16	1-1/8	0.08
J5215M	15	27/32	27/32	17/32	7/16	1-1/8	0.10
J5216M	16	55/64	55/64	17/32	7/16	1-1/8	0.10
J5217M	17	15/16	15/16	17/32	7/16	1-1/8	0.12
J5218M	18	61/64	61/64	17/32	1/2	1-3/16	0.12
J5219M	19	1	1	17/32	1/2	1-3/16	0.14
J5220M	20	1-3/32	1-3/32	5/8	1/2	1-3/16	0.17
J5221M	21	1-3/32	1-3/32	9/16	41/64	1-9/32	0.18
J5222M	22	1-11/64	1-11/64	43/64	5/8	1-5/16	0.22
J5223M	23	1-3/16	1-3/16	47/64	5/8	1-5/16	0.21
J5224M	24	1-1/4	1-1/4	49/64	37/64	1-5/16	0.23
J5225M	25	1-21/64	1-21/64	49/64	5/8	1-3/8	0.29
J5226M	26	1-21/64	1-21/64	49/64	59/64	1-3/8	0.26

AS954E S3.8.1 ASME B107.5M

3/8" DRIVE BLACK OXIDE SOCKETS - 12 POINT

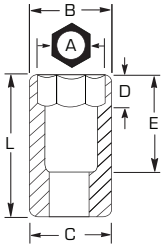


- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5208B	1/4	25/64	43/64	23/64	21/32	1-3/32	0.05
J5210B	5/16	29/64	43/64	11/32"	39/64	1-3/32	0.06
J5212B	3/8	35/64	43/64	11/32	39/64	1-3/32	0.05
J5214B	7/16	21/32	43/64	11/32	39/64	1-3/32	0.06
J5216B	1/2	47/64	47/64	11/32	11/16	1-1/8	0.08
J5218B	9/16	51/64	51/64	33/64	11/16	1-1/8	0.09
J5220B	5/8	7/8	7/8	1/2	11/16	1-1/8	0.10
J5222B	11/16	61/64	61/64	9/16	5/8	1-1/8	0.13
J5224B	3/4	1-1/64	1-1/64	19/32	5/8	1-3/16	0.15
J5226B	13/16	1-5/64	1-5/64	5/8	5/8	1-7/16	0.17
J5228B	7/8	1-9/64	1-9/64	21/32	11/16	1-7/16	0.22
J5230B	15/16	1-15/64	1-9/64	23/32	11/16	1-9/16	0.23
J5232B	1	1-21/64	1-15/64	3/4	3/4	1-11/16	0.27

AS954E S3.8.1 ASME B107.1



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE DEEP SOCKETS - 12 POINT

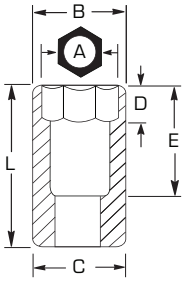
- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5008	1/4	13/32	21/32	5/16	1-11/16	2-1/8	0.10
J5010	5/16	15/32	21/32	13/32	1-11/16	2-1/8	0.10
J5011	11/32	1/2	21/32	25/64	1-11/16	2-1/8	0.09
J5012	1/4	35/64	21/32	13/32	1-11/16	2-1/8	0.10
J5014	3/32	21/32	21/32	7/16	1-11/16	2-1/8	0.12
J5016	1/2	23/32	23/32	33/64	1-11/16	2-1/8	0.14
J5018	9/16	51/64	51/64	19/32	1-11/16	2-1/8	0.18
J5020	5/8	7/8	7/8	43/64	2-5/16	2-3/4	0.24
J5022	11/16	15/16	15/16	43/64	2-5/16	2-3/4	0.30
J5024	3/4	1-1/64	1-1/64	43/64	2-5/16	2-3/4	0.33
J5026	13/16	1-5/64	1-5/64	43/64	2-5/16	2-3/4	0.36
J5028	7/8	1-15/64	1-15/64	1-3/16	2-5/16	2-3/4	0.43
J5030	15/16	1-15/64	1-15/64	1-3/16	2-5/16	2-3/4	0.46
J5032	1	1-5/16	1-5/16	1-3/16	2-5/16	2-3/4	0.54

AS954E S3.8.1 ASME B107.1



3/8" DRIVE METRIC DEEP SOCKETS - 12 POINT

METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5006M	6	25/64	21/32	5/16	1-13/16	2-1/8	0.11
J5007M	7	25/64	21/32	25/64	1-47/64	2-1/8	0.09
J5008M	8	15/32	21/32	25/64	1-47/64	2-1/8	0.10
J5009M	9	33/64	21/32	25/64	1-47/64	2-1/8	0.11
J5010M	10	37/64	21/32	25/64	1-47/64	2-1/8	0.12
J5011M	11	21/32	7/16	1-11/16	1-47/64	2-1/8	0.13
J5012M	12	45/64	45/64	33/64	1-39/64	2-1/8	0.13
J5013M	13	23/32	23/32	33/64	1-39/64	2-1/8	0.13
J5014M	14	25/32	25/32	19/32	1-17/32	2-1/8	0.15
J5015M	15	55/64	55/64	21/32	2-7/64	2-3/4	0.15
J5016M	16	55/64	55/64	21/32	2-7/64	2-3/4	0.24
J5017M	17	15/16	15/16	21/32	2-7/64	2-3/4	0.27
J5018M	18	15/16	15/16	21/32	2-7/64	2-3/4	0.28
J5019M	19	1-1/64	1-1/64	11/16	2-1/16	2-3/4	0.30
J5020M	20	1-5/64	1-5/64	11/16	2-1/16	2-3/4	0.33
J5021M	21	1-5/64	1-5/64	11/16	2-1/16	2-3/4	0.34
J5022M	22	1-11/64	1-11/64	11/16	2-1/16	2-3/4	0.45
J5023M	23	1-7/32	1-11/64	1-3/16	1-37/64	2-3/4	0.54
J5026M	26	1-5/64	1-5/64	43/64	2-5/16	2-3/4	0.28

AS954E S3.8.1 ASME B107.5M

3/8" DRIVE DEEP BLACK OXIDE SOCKETS - 12 POINT



- Black oxide finish - hand use only.
- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5012B	3/8	35/64	21/32	25/64	1-3/8	2-1/8	0.10
J5014B	7/16	41/64	41/64	7/16	1-3/8	2-1/8	0.11
J5016B	1/2	23/32	23/32	33/64	1-3/8	2-1/8	0.13
J5018B	9/16	51/64	51/64	19/32	1-3/8	2-1/8	0.16
J5020B	5/8	7/8	7/8	43/64	2	2-3/4	0.26
J5022B	11/16	15/16	15/16	43/64	2	2-3/4	0.27
J5024B	3/4	1-1/64	1-1/64	43/64	2	2-3/4	0.33
J5028B	7/8	1-3/16	1-3/16	11/16	1-11/16	2-3/4	0.39
J5026B	13/16	1-5/64	1-5/64	43/64	2-5/64	2-3/4	0.25
J5030B	15/16	1-15/16	1-15/16	11/16	2-5/16	2-3/4	0.42
J5032B	1	1-5/16	1-5/16	11/16	2-5/16	2-3/4	0.47

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3/8" DRIVE SOCKETS - SPLINE



- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high-strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 point wrenches on double-box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5212SPL	3/8	#12	9/16	21/32	3/8	11/16	1	0.06
J5214SPL	7/16	#14	5/8	11/16	7/16	3/4	1-1/16	0.06
J5216SPL	1/2	#16	3/4	23/32	7/16	3/4	1-1/16	0.07
J5218SPL	9/16	#18	13/16	13/16	15/32	3/4	1-1/16	0.01
J5220SPL	5/8	#20	7/8	7/8	17/32	7/8	1-3/16	0.13

3/8" DRIVE DEEP SOCKETS - SPLINE



- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high-strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 point wrenches on double-box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5012DPL	3/8	#12	9/16	21/32	3/8	1-5/8	2-1/8	0.08
J5014DPL	7/16	#14	5/8	11/16	7/16	1-5/8	2-1/8	0.10
J5016DPL	1/2	#16	3/4	23/32	7/16	1-5/8	2-1/8	0.12
J5018DPL	9/16	#18	13/16	13/16	15/32	1-7/8	2-3/8	0.19
J5020DPL	5/8	#22	7/8	7/8	17/32	1-7/8	2-3/8	0.22

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE UNIVERSAL SOCKETS - 6 POINT



- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5272HA	5/16	15/37	23/32	5/16	27/64	1-3/4	0.10
J5273HA	3/8	35/64	23/32	5/16	27/64	1-3/4	0.11
J5274HA	7/16	41/64	23/32	3/8	27/64	1-3/4	0.10
J5275HA	1/2	23/32	23/32	11/32	33/64	1-3/4	0.10
J5276HA	9/16	25/32	23/32	3/8	17/32	1-27/32	0.11
J5277HA	5/8	7/8	23/32	3/8	39/64	1-27/32	0.15
J5278HA	11/16	31/32	23/32	7/16	5/8	1-7/8	0.15
J5279HA	3/4	1	23/32	7/16	43/64	1-7/8	0.14

ASME B107.1

3/8" DRIVE METRIC UNIVERSAL SOCKETS - 6 POINT



METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5270HAM	7	27/64	23/32	5/16	7/16	1-49/64	0.11
J5271HAM	8	29/64	23/32	5/16	7/16	1-49/64	0.04
J5273HAM	10	35/64	23/32	11/32	7/16	1-49/64	0.11
J5274HAM	11	19/32	23/32	11/32	7/16	1-49/64	0.11
J5275HAM	12	21/32	23/32	11/32	7/16	1-49/64	0.10
J5276HAM	13	23/32	23/32	11/32	7/16	1-49/64	0.10
J5277HAM	14	25/32	23/32	3/8	31/64	1-7/8	0.11
J5278HAM	15	51/64	23/32	3/8	31/64	1-7/8	0.12
J5279HAM	16	55/64	23/32	13/32	33/64	1-57/64	0.15
J5280HAM	17	15/16	23/32	13/32	33/64	1-57/64	0.15
J5281HAM	18	63/64	23/32	7/16	33/64	1-57/64	0.15
J5282HAM	19	1-1/64	23/32	15/32	17/32	1-59/64	0.16

ASME B107.5M

3/8" DRIVE DEEP UNIVERSAL SOCKETS - 6 POINT



- Universal sockets permit turning at an angle up to 65° where obstructions may prevent a straight application.
- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5274LHA	7/16	5/8	23/32	11/32	1-1/8	1-3/8	0.16
J5275LHA	1/2	23/32	23/32	3/4	1-1/8	1-3/8	0.16
J5276LHA	9/16	25/32	23/32	3/4	1-31/32	2-3/8	0.18
J5277LHA	5/8	7/8	23/32	3/4	1-31/32	2-3/8	0.19

3/8" DRIVE UNIVERSAL SOCKETS - 12 POINT



- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5272A	5/16	15/32	23/32	5/16	27/64	1-3/4	0.10
J5273A	3/8	35/64	23/32	11/32"	27/64	1-3/4	0.11
J5274A	7/16	41/64	23/32	3/8	27/64	1-3/4	0.11
J5275A	1/2	23/32	23/32	11/32	33/64	1-3/4	0.11
J5276A	9/16	25/32	25/32	3/8	17/32	1-27/32	0.15
J5277A	5/8	7/8	7/8	3/8	39/64	1-27/32	0.17
J5278A	11/16	31/32	7/8	7/16	5/8	1-7/8	0.19
J5279A	3/4	1	7/8	7/16	43/64	1-7/8	0.23
J5280A	13/16	1-3/32	25/32	13/32	9/16	1-7/8	0.27
J5281A	7/8	1-3/16	25/32	17/32	5/8	1-61/64	0.31
J5282A	15/16	1-1/4	25/32	17/32	5/8	1-61/64	0.35
J5283A	1	1-11/32	25/32	9/16	45/64	2	0.39

AS954E S3.8.1 ASME B107.1

3/8" DRIVE METRIC UNIVERSAL SOCKETS - 12 POINT

METRIC

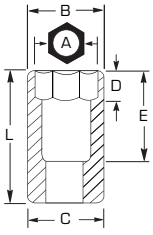


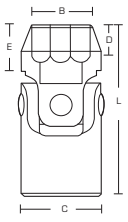
- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5272AM	9	33/64	23/32	5/16	25/64	1-3/4	0.10
J5273AM	10	35/64	23/32	11/32	25/64	1-3/4	0.10
J5274AM	11	19/32	23/32	11/32	25/64	1-3/4	0.12
J5275AM	12	21/32	23/32	11/32	1/2	1-3/4	0.10
J5276AM	13	23/32	23/32	11/32	1/2	1-3/4	0.11
J5277AM	14	25/32	23/32	3/8	33/64	1-7/8	0.13
J5278AM	15	13/16	23/32	3/8	41/64	1-7/8	0.12
J5279AM	16	55/64	23/32	13/32	33/64	1-57/64	0.12
J5280AM	17	15/16	23/32	7/16	33/64	1-57/64	0.15
J5281AM	18	63/64	23/32	7/16	33/64	1-57/64	0.16
J5282AM	19	63/64	23/32	15/32	17/32	1-59/64	0.15

ASME B107.5M





3/8" DRIVE SPARK PLUG SOCKETS - 6 POINT



- With rubber insert.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Overall Length (in) (L)	Weight (lbs)
J5020-50	5/8	3/16	2-1/2	0.21
J5026HPA	13/16	19/64	2-3/4	0.35

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE UNIVERSAL SPARK PLUG SOCKETS - 6 POINT

- With rubber insert.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J5020-70A	5/8	27/32	23/32	5/16	3-19/64	0.26
J5026-50A	13/16	1-1/16	23/32	5/16	3-3/8	0.34

3/8" DRIVE DRAG LINK SOCKET



Product #	Size (in)	Tip Width (in)	Overall Length (in)	Weight (lbs)
J5244	11/16	1/8	1-1/8	0.06

3/8" DRIVE SLOTTED SCREWDRIVER BIT SOCKETS



Product #	Tip Size	Tip Width (in)	Overall Length (in)	Weight (lbs)
J5246	1/4	1/32	1-13/16	0.01
J5240A	5/16	3/64	3	0.13

3/8" DRIVE PHILLIPS® SCREWDRIVER BIT SOCKETS

- Two piece design allows replacement of worn bits.
- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.



Product #	Tip Size	Overall Length (in)	Weight (lbs)
J5241	#2	1-31/32	0.11
J5242	#3	1-31/32	0.12
J5243	#4	1-31/32	0.12

3/8" DRIVE TORX® SCREWDRIVER BIT SOCKETS



Product #	Torx® Size	Bit Length (in)	Overall Length (in)	Weight (lbs)
J5239-10W	T10	5/8	1-23/32	0.10
J5239-15W	T15	5/8	1-23/32	0.10
J5239-20W	T20	5/8	1-23/32	0.10
J5239-25W	T25	5/8	1-23/32	0.10
J5239-27W	T27	5/8	1-23/32	0.10
J5239-30W	T30	7/8	1-23/32	0.12
J5239-40W	T40	7/8	1-23/32	0.11
J5239-45W	T45	7/8	1-23/32	0.12
J5239-50W	T50	7/8	1-23/32	0.12
J5239-55W	T55	7/8	1-23/32	0.13

Phillips® is a trademark of Phillips Screw Company
Torx® is a trademark of Acument Intellectual Properties, LLC

3/8" DRIVE HEX BIT SOCKETS

- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.
- Hex opening holds the bit allowing the bit holder to take the torque load.

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J49901/8	1/8	1-5/8	2-23/32	0.12
J49905/32	5/32	1-5/8	2-23/32	0.12
J49903/16	3/16	1-5/8	2-23/32	0.12
J49907/32	7/32	1-5/8	2-23/32	0.12
J49901/4	1/4	1-5/8	2-23/32	0.12
J49905/16	5/16	1-5/8	2-23/32	0.13
J49903/8	3/8	1-5/8	2-23/32	0.15



3/8" DRIVE SHORT HEX BIT SOCKETS

- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.
- Hex opening holds the bit allowing the bit holder to take the torque load.

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J49901/8ST	1/8	3/4	1-13/16	0.10
J49905/32ST	5/32	3/4	1-13/16	0.11
J49903/16ST	3/16	3/4	1-13/16	0.10
J49907/32ST	7/32	3/4	1-13/16	0.10
J49901/4ST	1/4	3/4	1-13/16	0.11
J49905/16ST	5/16	3/4	1-13/16	0.11
J49903/8ST	3/8	3/4	1-13/16	0.12



3/8" DRIVE EXTRA-LONG HEX BIT SOCKETS

- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J49901/8XL	1/8	5	6-3/32	0.08
J49905/32XL	5/32	5	6-3/32	0.12
J49903/16XL	3/16	5	6-3/32	0.12
J49907/32XL	7/32	5	6-3/32	0.13
J49901/4XL	1/4	5	6-3/32	0.17
J49905/16XL	5/16	5	6-3/32	0.21
J49903/8XL	3/8	5	6-3/32	0.26



3/8" DRIVE BALL END EXTRA-LONG HEX BIT SOCKETS

- Ball style head to turn a hex fastener at different angles in hard to reach places.
- Made of alloy steel.
- Polished chrome finish socket.

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4904BD	1/8	5	6-3/32	0.19
J4905BD	5/32	5	6-3/32	0.17
J4906BD	3/16	5	6-3/32	0.17
J4907BD	7/32	5	6-3/32	0.16
J4908BD	1/4	5	6-3/32	0.17
J4910BD	5/16	5	6-3/32	0.22
J4912BD	3/8	5	6-3/32	0.28



3/8" DRIVE METRIC HEX BIT SOCKETS

METRIC

- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.
- Hex opening holds the bit allowing the bit holder to take the torque load.

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4990-4M	4	1-5/8	2-23/32	0.12
J4990-5M	5	1-5/8	2-23/32	0.12
J4990-6M	6	1-5/8	2-23/32	0.12
J4990-7M	7	1-5/8	2-23/32	0.12
J4990-8M	8	1-5/8	2-23/32	0.13
J4990-9M	9	1-5/8	2-23/32	0.15
J4990-10M	10	1-5/8	2-23/32	0.16



3/8" DRIVE METRIC SHORT HEX BIT SOCKETS

METRIC

- Made of alloy steel. Polished chrome finish.
- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.
- Hex opening holds the bit allowing the bit holder to take the torque load.

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4990-4MST	4	11/16	1-25/32	0.08
J4990-5MST	5	11/16	1-25/32	0.10
J4990-6MST	6	11/16	1-25/32	0.10
J4990-7MST	7	11/16	1-25/32	0.11
J4990-8MST	8	11/16	1-25/32	0.10
J4990-9MST	9	11/16	1-25/32	0.11
J4990-10MST	10	11/16	1-25/32	0.12



3/8" DRIVE METRIC EXTRA-LONG HEX BIT SOCKETS

METRIC

- Made using a heat-treated alloy for wear-resistance which helps minimize distortion for a long life.

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J4990-4MXL	4	13/64	6-3/32	0.10
J4990-5MXL	5	13/64	6-3/32	0.17
J4990-6MXL	6	13/64	6-3/32	0.17
J4990-7MXL	7	13/64	6-3/32	0.17
J4990-8MXL	8	13/64	6-3/32	0.21
J4990-10MXL	10	13/64	6-3/32	0.28



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3/8" DRIVE CROWFOOT WRENCHES

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4912CF	3/8	1-13/64	0.06
J4914CF	7/16	1-3/16	0.06
J4916CF	1/2	1-5/16	0.07
J4918CF	9/16	1-9/32	0.07
J4920CF	5/8	1-1/2	0.09
J4922CF	11/16	1-31/64	0.09
J4924CF	3/4	1-41/64	0.11
J4926CF	13/16	1-5/8	0.11
J4928CF	7/8	1-19/32	0.12
J4930CF	15/16	1-5/8	0.13
J4932CF	1	1-49/64	0.13
J4934CF	1-1/16	2-3/16	0.24
J4936CF	1-1/8	2-7/32	0.24
J4938CF	1-3/16	2-9/32	0.24
J4940CF	1-1/4	2-5/32	0.21
J4942CF	1-5/16	2-1/2	0.25
J4944CF	1-3/8	2-1/2	0.29
J4946CF	1-7/16	2-5/8	0.29
J4948CF	1-1/2	2-11/16	0.33
J4950CF	1-9/16	2-3/4	0.34
J4952CF	1-5/8	2-13/16	0.38
J4954CF	1-11/16	2-15/16	0.36
J4956CF	1-3/4	2-15/16	0.39
J4958CF	1-13/16	3-1/16	0.40
J4960CF	1-7/8	3-1/8	0.45
J4962CF	1-15/16	3-1/4	0.49
J4964CF	2	3-3/8	0.73
J4966CF	2-1/16	3-7/16	0.71
J4968CF	2-1/8	3-7/16	0.74
J4970CF	2-3/16	3-5/8	0.78
J4972CF	2-1/4	3-11/16	0.89
J4974CF	2-5/16	3-3/4	0.90
J4976CF	2-3/8	3-15/16	1.01
J4978CF	2-7/16	4-1/4	1.03
J4980CF	2-1/2	4-1/4	1.10
J4982CF	2-9/16	4-5/16	1.11
J4984CF	2-5/8	4-1/2	1.27
J4986CF	2-11/16	4-9/16	1.34
J4988CF	2-3/4	4-11/16	1.37
J4990CF	2-13/16	4-13/16	1.38
J4992CF	2-7/8	4-15/16	1.52
J4994CF	2-15/16	4-15/16	1.58
J4996CF	3	5	1.55

ASME B107.21

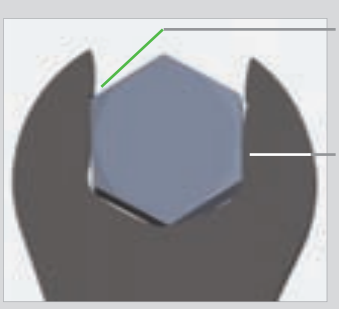


- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.

FEATURES AND BENEFITS — ANTI-SLIP DESIGN (ASD)

Crowfoot Wrenches may feel somewhat loose going onto the fastener.

However, when it turns and the groove engages with the corner of the fastener, the fit will be very precise.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE METRIC CROWFOOT WRENCHES

METRIC

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4909MCF	9	1-5/6	0.05
J4910MCF	10	1-11/32	0.05
J4911MCF	11	1-3/8	0.07
J4912MCF	12	1-15/32	0.07
J4913MCF	13	1-1/2	0.06
J4914MCF	14	1-1/2	0.07
J4915MCF	15	1-5/8	0.10
J4916MCF	16	1-21/32	0.09
J4917MCF	17	1-23/32	0.10
J4918MCF	18	1-15/16	0.13
J4919MCF	19	1-15/16	0.13
J4920MCF	20	2-1/16	0.13
J4921MCF	21	2-3/32	0.14
J4922MCF	22	2-7/32	0.15
J4923MCF	23	2-11/32	0.19
J4924MCF	24	2-13/32	0.19

ASME B107.21



3/8" DRIVE FLARE NUT CROWFOOT WRENCHES - 6 POINT

- Flare Nut Crowfoot wrenches are used in hard to reach or restricted access situations where a standard flare nut wrench cannot reach.
- The flare nut slot opening is used to slide over hydraulic lines or other hoses which allows for easy access to hex connectors at ends.
- Typically used in low torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot engaged on the extension during use, helping to reduce downtime and improve working efficiency.
- Use with locking extensions to reach into small spaces where the fastener is out of sight.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4912HFL	3/8	1-13/16	0.07
J4914HFL	7/16	1-1/2	0.08
J4916HFL	1/2	1-5/8	0.10
J4918HFL	9/16	1-5/8	0.11
J4920HFL	5/8	1-3/4	0.13
J4922HFL	11/16	1-13/16	0.13
J4924HFL	3/4	1-15/16	0.16
J4926HFL	13/16	2	0.18



3/8" DRIVE METRIC FLARE NUT CROWFOOT WRENCHES - 6 POINT

METRIC

- Flare Nut Crowfoot wrenches are used in hard to reach or restricted access situations where a standard flare nut wrench cannot reach.
- The flare nut slot opening is used to slide over hydraulic lines or other hoses which allows for easy access to hex connectors at ends.
- Typically used in low torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot engaged on the extension during use, helping to reduce downtime and improve working efficiency.
- Use with locking extensions to reach into small spaces where the fastener is out of sight.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4909MHFL	9	1-5/16	0.07
J4910MHFL	10	1-3/8	0.07
J4911MHFL	11	1-1/2	0.08
J4912MHFL	12	1-1/2	0.08
J4913MHFL	13	1-9/16	0.09
J4914MHFL	14	1-5/8	0.11
J4915MHFL	15	1-11/16	0.11
J4916MHFL	16	1-3/4	0.12
J4917MHFL	17	1-3/4	0.13
J4918MHFL	18	1-13/16	0.14



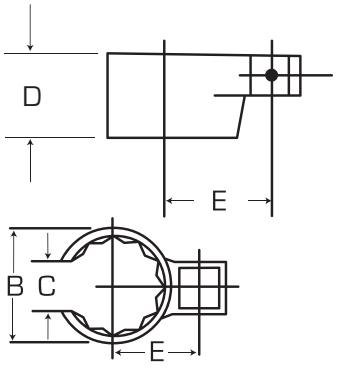
3/8" DRIVE FLARE NUT CROWFOOT WRENCHES - 12 POINT

- Designed for speed and safety.
- Special heat-treated alloy steel helps increase strength and durability.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole helps hold crowfoot in place during use.
- Use with a locking extension to help prevent tool loss in awkward locations.

Product #	Size (in) (B)	Weight (lbs)
J4920FL	5/8	0.09
J4922FL	11/16	0.10
J4924FL	3/4	0.12
J4926FL	13/16	0.12
J4928FL	7/8	0.16
J4930FL	15/16	0.17
J4932FL	1	0.18
J4934FL	1-1/16	0.20

ASME B107.21





WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 65 PIECE COMBINATION SOCKET SET - 8 AND 12 POINT

Product #: J54130

- 8 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1 Inch.
- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 29/32, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- 12 Point Deep: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4 Inch.
- 12 Point Universal: 1/2, 9/16, 5/8 Inch.
- Bit Sockets: Hex 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 Inch
- Accessories: 1/2 Inch Drive Drag Link, Heavy-Duty Ratchet, Ratchet Adapter, Long Handle Ratchet, 2-1/2, 5, and 10 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, Sliding T-Handle.
- 4-Drawer Top Chest With Tray.
- Weight (lbs): 82.00



Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5419	Socket, 1/2" DR 19/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5425	Socket, 1/2" DR 25/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5429	Socket, 1/2" DR 29/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5442	Socket, 1/2" DR 1-5/16" 12 PT	ASME B107.1	AS954E S3.8.1

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1/2" DRIVE 65 PIECE COMBINATION SOCKET SET - 8 AND 12 POINT (CONTINUED)

Contents	Description	ASME Spec.	AS Spec.
J5444	Socket, 1/2" DR 1-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5446	Socket, 1/2" DR 1-7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5448	Socket, 1/2" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5475	Socket, Universal 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5476	Socket, Universal 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5477	Socket, Universal 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5412S	Socket, 1/2" DR 3/8" 8 PT	ASME B107.1	
J5414S	Socket, 1/2" DR 7/16" 8 PT	ASME B107.1	
J5416S	Socket, 1/2" DR 1/2" 8 PT	ASME B107.1	
J5418S	Socket, 1/2" DR 9/16" 8 PT	ASME B107.1	
J5420S	Socket, 1/2" DR 5/8" 8 PT	ASME B107.1	
J5422S	Socket, 1/2" DR 11/16" 8 PT	ASME B107.1	
J5424S	Socket, 1/2" DR 3/4" 8 PT	ASME B107.1	
J5426S	Socket, 1/2" DR 13/16" 8 PT	ASME B107.1	
J5428S	Socket, 1/2" DR 7/8" 8 PT	ASME B107.1	
J5432S	Socket, 1/2" DR 1" 8 PT	ASME B107.1	
J54411/4	Socket, Hex Bit 1/2" DR 1/4"		
J54415/16	Socket, Hex Bit 1/2" DR 5/16"		
J54413/8	Socket, Hex Bit 1/2" DR 3/8"		
J54417/16	Socket, Hex Bit 1/2" DR 7/16"		
J54411/2	Socket, Hex Bit 1/2" DR 1/2"		
J54419/16	Socket, Hex Bit 1/2" DR 9/16"		
J54415/8	Socket, Hex Bit 1/2" DR 5/8"		
J5444A	Socket, 1/2" DR Drag Link 3/4"		
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5447	Ratchet, Adapter 1/2" DR 2-21/32"	ASME B107.500	
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5450	Ratchet, 1/2" DR Long Classic Pear Head 16"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Handle, Hinge 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
J5485	Handle, Sliding T 1/2" DR 12-15/16"	ASME B107.500	
J442715-4RD-D	27" Chest with Drop Front Red		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 65 PIECE COMBINATION SOCKET SET - 8 AND 12 POINT

Product #: J54132

- 8 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1 Inch.
- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 29/32, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- 12 Point Deep: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4 Inch.
- 12 Point Universal: 1/2, 9/16, 5/8 Inch.
- Bit Sockets: Hex 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, and 5/8 Inch.
- Accessories: 1/2 Inch Drive Drag Link, Heavy-Duty Ratchet, Ratchet Adapter, Long Handle Ratchet, 2-1/2, 5, and 10 Inch Extensions, 18-5/8 Inch Hinge Handle, Universal Joint, 18 Inch Speed Handle, and Sliding T-Handle.
- Weight (lbs): 27.52



Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5419	Socket, 1/2" DR 19/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5425	Socket, 1/2" DR 25/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5429	Socket, 1/2" DR 29/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1

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1/2" DRIVE 65 PIECE COMBINATION SOCKET SET - 8 AND 12 POINT (CONTINUED)

Contents	Description	ASME Spec.	AS Spec.
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5442	Socket, 1/2" DR 1-5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5444	Socket, 1/2" DR 1-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5446	Socket, 1/2" DR 1-7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5448	Socket, 1/2" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5475	Socket, Universal 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5476	Socket, Universal 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5477	Socket, Universal 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5412S	Socket, 1/2" DR 3/8" 8 PT	ASME B107.1	
J5414S	Socket, 1/2" DR 7/16" 8 PT	ASME B107.1	
J5416S	Socket, 1/2" DR 1/2" 8 PT	ASME B107.1	
J5418S	Socket, 1/2" DR 9/16" 8 PT	ASME B107.1	
J5420S	Socket, 1/2" DR 5/8" 8 PT	ASME B107.1	
J5422S	Socket, 1/2" DR 11/16" 8 PT	ASME B107.1	
J5424S	Socket, 1/2" DR 3/4" 8 PT	ASME B107.1	
J5426S	Socket, 1/2" DR 13/16" 8 PT	ASME B107.1	
J5428S	Socket, 1/2" DR 7/8" 8 PT	ASME B107.1	
J5432S	Socket, 1/2" DR 1" 8 PT	ASME B107.1	
J54411/4	Socket, Hex Bit 1/2" DR 1/4"		
J54415/16	Socket, Hex Bit 1/2" DR 5/16"		
J54413/8	Socket, Hex Bit 1/2" DR 3/8"		
J54417/16	Socket, Hex Bit 1/2" DR 7/16"		
J54411/2	Socket, Hex Bit 1/2" DR 1/2"		
J54419/16	Socket, Hex Bit 1/2" DR 9/16"		
J54415/8	Socket, Hex Bit 1/2" DR 5/8"		
J5444A	Socket, 1/2" DR Drag Link 3/4"		
J5447	Ratchet, Adapter 1/2" DR 2-21/32"	ASME B107.500	
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5450	Ratchet, 1/2" DR Long Classic Pear Head 16"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Handle, Hinge 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
J5485	Handle, Sliding T 1/2" DR 12-15/16"	ASME B107.500	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 54 PIECE METRIC SOCKET SET WITH TOOL BOX - 12 POINT

Product #: J54216

METRIC

- 12 Point Standard:10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36 mm.
- 12 Point Deep: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26 mm.
- Bit Sockets: Hex 6, 8, 10, 12, 14, 17 mm.
- Accessories: Standard and Long Handle Ratchets, 2-1/2, 5, and 10 Inch Extensions, 18-5/8 Inch Hinge Handle, Universal Joint, 18 Inch Speed Handle, Sliding T-Handle.
- 4-Drawer Drop-Front Top Chest.
- Weight (lbs): 76.88



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1

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1/2" DRIVE 54 PIECE METRIC SOCKET SET WITH TOOL BOX - 12 POINT (CONTINUED)

Contents	Description	ASME Spec.	AS Spec.
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5427M	Socket, 1/2" DR 27 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5428M	Socket, 1/2" DR 28 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5429M	Socket, 1/2" DR 29 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5430M	Socket, 1/2" DR 30 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5432M	Socket, 1/2" DR 32 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5436M	Socket, 1/2" DR 36 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5441-6M	Socket, Hex Bit 1/2" DR 6 mm		
J5441-8M	Socket, Hex Bit 1/2" DR 8 mm		
J5441-10M	Socket, Hex Bit 1/2" DR 10 mm		
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm		
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm		
J5441-17M	Socket, Hex Bit 3/8" DR 17 mm		
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5450	Ratchet, 1/2" DR Long Classic Pear Head 16"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Handle, Hinge 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
J5485	Handle, Sliding T 1/2" DR 12-15/16"	ASME B107.500	
J442715-4RD-D	27" Chest with Drop Front Red		

1/2" DRIVE 54 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54218

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36 mm
- 12 Point Deep: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26 mm.
- Hex Bits: 6, 8, 10, 12, 14, 17 mm.
- Accessories: Standard and Long Handle Ratchets, 2-1/2, 5, and 10 Inch Extensions. 18-5/8 Inch Hinge Handle, Universal Joint, 18 Inch Speed Handle, and Sliding T-Handle.
- Weight (lbs): 25.75



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1

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1/2" DRIVE 54 PIECE METRIC SOCKET SET - 12 POINT (CONTINUED)

Contents	Description	ASME Spec.	AS Spec.
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5427M	Socket, 1/2" DR 27 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5428M	Socket, 1/2" DR 28 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5429M	Socket, 1/2" DR 29 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5430M	Socket, 1/2" DR 30 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5432M	Socket, 1/2" DR 32 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5436M	Socket, 1/2" DR 36 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5441-6M	Socket, Hex Bit 1/2" DR 6 mm		
J5441-8M	Socket, Hex Bit 1/2" DR 8 mm		
J5441-10M	Socket, Hex Bit 1/2" DR 10 mm		
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm		
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm		
J5441-17M	Socket, Hex Bit 3/8" DR 17 mm		
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5450	Ratchet, 1/2" DR Long Classic Pear Head 16"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Handle, HInge 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
J5485	Handle, Sliding T 1/2" DR 12-15/16"	ASME B107.500	

1/2" DRIVE 31 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54214

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- 12 Point Deep: 16, 17, 18, 19, 20, 21, 22, 24, 25, 26 mm.
- Accessories: Pear Head Ratchet, 5 and 10 Inch Extensions, 15-3/4 Inch Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 18.41



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1207	Blow-Molded Case		

1/2" DRIVE 31 PIECE METRIC SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J54214XL

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- 12 Point Deep: 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- Accessories: Premium Ratchet, 5 and 10 Inch Extensions, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 18.48



Contents	Description	ASME Spec.	AS Spec.
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1207	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 30 PIECE SOCKET SET - 12 POINT

Product #: J54126

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4 Inch.
- 12 Point Deep: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4 Inch.
- Accessories: Pear Head Ratchet, 5 and 10 Inch Extensions, 15-3/4 Inch Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 19.90



Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1206	Blow-Molded Case		

1/2" DRIVE 30 PIECE SOCKET SET - 12 POINT

Product #: J54126XL

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- 12 Point Deep: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Premium Ratchet, 5 and 10 Inch Extensions, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 20.28



Contents	Description	ASME Spec.	AS Spec.
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1205	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 29 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54212

- 12 Point Standard:. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36 mm.
- Accessories: Pear Head Ratchet, 2-1/2, 5, and 10 Inch Extensions, Hinge Handle, Universal Joint, and Blow-Molded Case.
- Weight (lbs): 17.50



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5427M	Socket, 1/2" DR 27 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5428M	Socket, 1/2" DR 28 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5429M	Socket, 1/2" DR 29 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5430M	Socket, 1/2" DR 30 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5432M	Socket, 1/2" DR 32 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5436M	Socket, 1/2" DR 36 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
JBM1206	Blow-Molded Case		

1/2" DRIVE 29 PIECE METRIC SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J54212XL

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36 mm.
- Accessories: Premium Ratchet, 2-1/2, 5, and 10 Inch Extensions, Universal Joint, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 17.96



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5427M	Socket, 1/2" DR 27 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5428M	Socket, 1/2" DR 28 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5429M	Socket, 1/2" DR 29 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5430M	Socket, 1/2" DR 30 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5432M	Socket, 1/2" DR 32 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5436M	Socket, 1/2" DR 36 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
JBM1206	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 27 PIECE TOOL SET - 12 POINT

Product #: J54128

- 12 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 5/8 Inch Spark Plug.
- Accessories: Combination Wrenches 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, and 3/4 Inch. 9-1/2 Inch Tongue and Groove Pliers, Pear Head Ratchet, 5 and 10 Inch Extensions, 15-3/4 Inch Hinge Handle, Universal Joint, and Metal Box.
- Weight (lbs): 19.09



Contents	Description	ASME Spec.	AS Spec.
J1212ASD	Wrench, Combination 3/8" 12 PT	ASME B107.100	AS 954
J1214ASD	Wrench, Combination 7/16" 12 PT	ASME B107.100	AS 954
J1216ASD	Wrench, Combination 1/2" 12 PT	ASME B107.100	AS 954
J1218ASD	Wrench, Combination 9/16" 12 PT	ASME B107.100	AS 954
J1220ASD	Wrench, Combination 5/8" 12 PT	ASME B107.100	AS 954
J1222ASD	Wrench, Combination 11/16" 12 PT	ASME B107.100	AS 954
J1224ASD	Wrench, Combination 3/4" 12 PT	ASME B107.100	AS 954
J5320-50	Socket, 1/2" DR Spark Plug 5/8"	ASME B107.34	
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5496	Set Box		

1/2" DRIVE 26 PIECE SOCKET SET - 12 POINT

Product #: J54124

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Pear Head Ratchet, 2-1/2, 5, and 10 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, and Metal Box.
- Weight (lbs): 17.69



Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5419	Socket, 1/2" DR 19/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5421	Socket, 1/2" DR 21/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5425	Socket, 1/2" DR 25/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5431	Socket, 1/2" DR 31/32" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5460	Extension, 1/2" DR 2-1/2"	ASME B107.500	AS 4283
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Hinge Handle, 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
J5496	Set Box		

1/2" DRIVE 22 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54210

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 mm.
- Accessories: Pear Head Ratchet, 5 and 10 Inch Extensions, Hinge Handle, Universal Joint, and Metal Box.
- Weight (lbs): 15.21



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5468	Handle, Hinge 1/2" DR 18-5/8"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5496	Set Box		

1/2" DRIVE 18 PIECE SOCKET SET - 12 POINT

Product #: J54120



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Pear Head Ratchet, 5 Inch Extension, 15-3/4 Inch Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 11.80

Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1204	Blow-Molded Case		

1/2" DRIVE 18 PIECE SOCKET SET - 12 POINT

Product #: J54120XL



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Premium Ratchet, 5 Inch Extension, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 11.77

Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1204	Blow-Molded Case		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 18 PIECE SOCKET SET - 6 POINT

Product #: J54122



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Pear Head Ratchet, 5 Inch Extension, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 12.04

Contents	Description	ASME Spec.	AS Spec.
J5412H	Socket, 1/2" DR 3/8" 6 PT	ASME B107.1	
J5414H	Socket, 1/2" DR 7/16" 6 PT	ASME B107.1	
J5416H	Socket, 1/2" DR 1/2" 6 PT	ASME B107.1	
J5418H	Socket, 1/2" DR 9/16" 6 PT	ASME B107.1	
J5420H	Socket, 1/2" DR 5/8" 6 PT	ASME B107.1	
J5422H	Socket, 1/2" DR 11/16" 6 PT	ASME B107.1	
J5424H	Socket, 1/2" DR 3/4" 6 PT	ASME B107.1	
J5426H	Socket, 1/2" DR 13/16" 6 PT	ASME B107.1	
J5428H	Socket, 1/2" DR 7/8" 6 PT	ASME B107.1	
J5430H	Socket, 1/2" DR 15/16" 6 PT	ASME B107.1	
J5432H	Socket, 1/2" DR 1" 6 PT	ASME B107.1	
J5434H	Socket, 1/2" DR 1-1/16" 6 PT	ASME B107.1	
J5436H	Socket, 1/2" DR 1-1/8" 6 PT	ASME B107.1	
J5438H	Socket, 1/2" DR 1-3/16" 6 PT	ASME B107.1	
J5440H	Socket, 1/2" DR 1-1/4" 6 PT	ASME B107.1	
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1204	Blow-Molded Case		

1/2" DRIVE 18 PIECE SOCKET SET - 6 POINT

Product #: J54122XL



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: Premium Ratchet, 5 Inch Extension, Hinge Handle, and Blow-Molded Case.
- Weight (lbs): 12.02

Contents	Description	ASME Spec.	AS Spec.
J5412H	Socket, 1/2" DR 3/8" 6 PT	ASME B107.1	
J5414H	Socket, 1/2" DR 7/16" 6 PT	ASME B107.1	
J5416H	Socket, 1/2" DR 1/2" 6 PT	ASME B107.1	
J5418H	Socket, 1/2" DR 9/16" 6 PT	ASME B107.1	
J5420H	Socket, 1/2" DR 5/8" 6 PT	ASME B107.1	
J5422H	Socket, 1/2" DR 11/16" 6 PT	ASME B107.1	
J5424H	Socket, 1/2" DR 3/4" 6 PT	ASME B107.1	
J5426H	Socket, 1/2" DR 13/16" 6 PT	ASME B107.1	
J5428H	Socket, 1/2" DR 7/8" 6 PT	ASME B107.1	
J5430H	Socket, 1/2" DR 15/16" 6 PT	ASME B107.1	
J5432H	Socket, 1/2" DR 1" 6 PT	ASME B107.1	
J5434H	Socket, 1/2" DR 1-1/16" 6 PT	ASME B107.1	
J5436H	Socket, 1/2" DR 1-1/8" 6 PT	ASME B107.1	
J5438H	Socket, 1/2" DR 1-3/16" 6 PT	ASME B107.1	
J5440H	Socket, 1/2" DR 1-1/4" 6 PT	ASME B107.1	
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
JBM1204	Blow-Molded Case		

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

1/2" DRIVE 16 PIECE SOCKET SET - 12 POINT

Product #: J54118



- 12 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: Pear Head Ratchet, 5 and 10 Inch Extensions, Hinge Handle, Universal Joint, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 13.48

Contents	Description	ASME Spec.	AS Spec.
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	
JBM1208	Blow-Molded Case		

1/2" DRIVE 16 PIECE SOCKET SET - 12 POINT

Product #: J54118XL



- 12 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: Premium Ratchet, 5 and 10 Inch Extensions, Universal Joint, Hinge Handle, Speed Handle, and Blow-Molded Case.
- Weight (lbs): 14.11

Contents	Description	ASME Spec.	AS Spec.
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
J5463	Extension, 1/2" DR 10"	ASME B107.500	AS 4283
J5467	Handle, Hinge 1/2" DR 15-3/4"	ASME B107.500	AS 4283
J5470A	Socket, 1/2" DR Universal Joint	ASME B107.500	
J5480G	Handle, Speed 1/2" DR 18"	ASME B107.500	AS4283
JBM1208	Blow-Molded Case		

1/2" DRIVE 16 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54208



- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 mm.
- Accessories: Pear Head Ratchet, 5 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 7.32

Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
JBM1202	Blow-Molded Case		

1/2" DRIVE 16 PIECE METRIC SOCKET SET - 12 POINT

METRIC

PREMIUM RATCHET

Product #: J54208XL



- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 mm.
- Accessories: Premium Ratchet, 5 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 7.52

Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
JBM1202	Blow-Molded Case		

1/2" DRIVE 12 PIECE SOCKET SET - 12 POINT

Product #: J54116

- 12 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: Pear Head Ratchet, 5 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 5.88



Contents	Description	ASME Spec.	AS Spec.
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5449	Ratchet, 1/2" DR Standard Length Classic Pear Head 10"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
JBM1201	Blow-Molded Case		

1/2" DRIVE 12 PIECE SOCKET SET - 12 POINT

Product #: J54116XL

- 12 Point Standard: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 Inch.
- Accessories: Premium Ratchet, 5 Inch Extension, and Blow-Molded Case.
- Weight (lbs): 6.22



Contents	Description	ASME Spec.	AS Spec.
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5449XL	Ratchet, 1/2" DR Standard Length Premium Pear Head 10-1/2"	ASME B107.500	
J5461	Extension, 1/2" DR 5"	ASME B107.500	AS 4283
JBM1201	Blow-Molded Case		

1/2" DRIVE 24 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54211

- 12 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 36 mm.
- Accessories: (2) 17 Inch Socket Bars with 24 Socket Clips.
- Weight (lbs): 7.69



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5425M	Socket, 1/2" DR 25 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5426M	Socket, 1/2" DR 26 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5427M	Socket, 1/2" DR 27 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5428M	Socket, 1/2" DR 28 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5429M	Socket, 1/2" DR 29 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5430M	Socket, 1/2" DR 30 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5431M	Socket, 1/2" DR 31 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5432M	Socket, 1/2" DR 32 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5436M	Socket, 1/2" DR 36 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 23 PIECE METRIC SOCKET SET - 6 POINT

METRIC

Product #: J54209

- 6 Point Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 mm.
- Accessories: 13 and 17 Inch Socket Bars with 23 Socket Clips.
- Weight (lbs): 6.97





Contents	Description	ASME Spec.
J5408MH	Socket, 1/2" DR 8 mm 6 PT	ASME B107.5M
J5409MH	Socket, 1/2" DR 9 mm 6 PT	ASME B107.5M
J5410MH	Socket, 1/2" DR 10 mm 6 PT	ASME B107.5M
J5411MH	Socket, 1/2" DR 11 mm 6 PT	ASME B107.5M
J5412MH	Socket, 1/2" DR 12 mm 6 PT	ASME B107.5M
J5413MH	Socket, 1/2" DR 13 mm 6 PT	ASME B107.5M
J5414MH	Socket, 1/2" DR 14 mm 6 PT	ASME B107.5M
J5415MH	Socket, 1/2" DR 15 mm 6 PT	ASME B107.5M
J5416MH	Socket, 1/2" DR 16 mm 6 PT	ASME B107.5M
J5417MH	Socket, 1/2" DR 17 mm 6 PT	ASME B107.5M
J5418MH	Socket, 1/2" DR 18 mm 6 PT	ASME B107.5M
J5419MH	Socket, 1/2" DR 19 mm 6 PT	ASME B107.5M
J5420MH	Socket, 1/2" DR 20 mm 6 PT	ASME B107.5M
J5421MH	Socket, 1/2" DR 21 mm 6 PT	ASME B107.5M
J5422MH	Socket, 1/2" DR 22 mm 6 PT	ASME B107.5M
J5423MH	Socket, 1/2" DR 23 mm 6 PT	ASME B107.5M
J5424MH	Socket, 1/2" DR 24 mm 6 PT	ASME B107.5M
J5425MH	Socket, 1/2" DR 25 mm 6 PT	ASME B107.5M
J5426MH	Socket, 1/2" DR 26 mm 6 PT	ASME B107.5M
J5427MH	Socket, 1/2" DR 27 mm 6 PT	ASME B107.5M
J5428MH	Socket, 1/2" DR 28 mm 6 PT	ASME B107.5M
J5429MH	Socket, 1/2" DR 29 mm 6 PT	ASME B107.5M
J5430MH	Socket, 1/2" DR 30 mm 6 PT	ASME B107.5M
J5431MH	Socket, 1/2" DR 31 mm 6 PT	ASME B107.5M
J5432MH	Socket, 1/2" DR 32 mm 6 PT	ASME B107.5M
J5434MH	Socket, 1/2" DR 34 mm 6 PT	ASME B107.5M
J5436MH	Socket, 1/2" DR 36 mm 6 PT	ASME B107.5M
J2586	Socket, Bar 13"	
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 19 PIECE DEEP SOCKET SET - 6 POINT

Product #: J54101

- 6 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- Accessories: 17 Inch Socket Bar with 19 Socket Clips.
- Weight (lbs): 14.18



Contents	Description	ASME Spec.
J5312H	Socket, 1/2" DR 3/8" 6 PT Deep	ASME B107.1
J5314H	Socket, 1/2" DR 7/16" 6 PT Deep	ASME B107.1
J5316H	Socket, 1/2" DR 1/2" 6 PT Deep	ASME B107.1
J5318H	Socket, 1/2" DR 9/16" 6 PT Deep	ASME B107.1
J5320H	Socket, 1/2" DR 5/8" 6 PT Deep	ASME B107.1
J5322H	Socket, 1/2" DR 11/16" 6 PT Deep	ASME B107.1
J5324H	Socket, 1/2" DR 3/4" 6 PT Deep	ASME B107.1
J5326H	Socket, 1/2" DR 13/16" 6 PT Deep	ASME B107.1
J5328H	Socket, 1/2" DR 7/8" 6 PT Deep	ASME B107.1
J5330H	Socket, 1/2" DR 15/16" 6 PT Deep	ASME B107.1
J5332H	Socket, 1/2" DR 1" 6 PT Deep	ASME B107.1
J5334H	Socket, 1/2" DR 1-1/16" 6 PT Deep	ASME B107.1
J5336H	Socket, 1/2" DR 1-1/8" 6 PT Deep	ASME B107.1
J5338H	Socket, 1/2" DR 1-3/16" 6 PT Deep	ASME B107.1
J5340H	Socket, 1/2" DR 1-1/4" 6 PT Deep	ASME B107.1
J5342H	Socket, 1/2" DR 1-5/16" 6 PT Deep	ASME B107.1
J5344H	Socket, 1/2" DR 1-3/8" 6 PT Deep	ASME B107.1
J5346H	Socket, 1/2" DR 1-7/16" 6 PT Deep	ASME B107.1
J5348H	Socket, 1/2" DR 1-1/2" 6 PT Deep	ASME B107.1
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 15 PIECE DEEP SOCKET SET - 6 POINT

Product #: J54103

- 6 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 8.18



Contents	Description	ASME Spec.
J5312H	Socket, 1/2" DR 3/8" 6 PT Deep	ASME B107.1
J5314H	Socket, 1/2" DR 7/16" 6 PT Deep	ASME B107.1
J5316H	Socket, 1/2" DR 1/2" 6 PT Deep	ASME B107.1
J5318H	Socket, 1/2" DR 9/16" 6 PT Deep	ASME B107.1
J5320H	Socket, 1/2" DR 5/8" 6 PT Deep	ASME B107.1
J5322H	Socket, 1/2" DR 11/16" 6 PT Deep	ASME B107.1
J5324H	Socket, 1/2" DR 3/4" 6 PT Deep	ASME B107.1
J5326H	Socket, 1/2" DR 13/16" 6 PT Deep	ASME B107.1
J5328H	Socket, 1/2" DR 7/8" 6 PT Deep	ASME B107.1
J5330H	Socket, 1/2" DR 15/16" 6 PT Deep	ASME B107.1
J5332H	Socket, 1/2" DR 1" 6 PT Deep	ASME B107.1
J5334H	Socket, 1/2" DR 1-1/16" 6 PT Deep	ASME B107.1
J5336H	Socket, 1/2" DR 1-1/8" 6 PT Deep	ASME B107.1
J5338H	Socket, 1/2" DR 1-3/16" 6 PT Deep	ASME B107.1
J5340H	Socket, 1/2" DR 1-1/4" 6 PT Deep	ASME B107.1
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 19 PIECE DEEP SOCKET SET - 12 POINT

Product #: J54105

- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- Accessories: 17 Inch Socket Bar with 19 Socket Clips.
- Weight (lbs): 14.00



Contents	Description	ASME Spec.	AS Spec.
J5312	Socket, 1/2" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5314	Socket, 1/2" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5338	Socket, 1/2" DR 1-3/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5342	Socket, 1/2" DR 1-5/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5344	Socket, 1/2" DR 1-3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5346	Socket, 1/2" DR 1-7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5348	Socket, 1/2" DR 1-1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 15 PIECE DEEP SOCKET SET - 12 POINT

Product #: J54107

- 12 Point Deep: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 7.95



Contents	Description	ASME Spec.	AS Spec.
J5312	Socket, 1/2" DR 3/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5314	Socket, 1/2" DR 7/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5338	Socket, 1/2" DR 1-3/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5340	Socket, 1/2" DR 1-1/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 19 PIECE SOCKET SET - 6 POINT

Product #: J54109



- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- Accessories: 17 Inch Socket Bar with 19 Socket Clips.
- Weight (lbs): 7.58

Contents	Description	ASME Spec.
J5412H	Socket, 1/2" DR 3/8" 6 PT	ASME B107.1
J5414H	Socket, 1/2" DR 7/16" 6 PT	ASME B107.1
J5416H	Socket, 1/2" DR 1/2" 6 PT	ASME B107.1
J5418H	Socket, 1/2" DR 9/16" 6 PT	ASME B107.1
J5420H	Socket, 1/2" DR 5/8" 6 PT	ASME B107.1
J5422H	Socket, 1/2" DR 11/16" 6 PT	ASME B107.1
J5424H	Socket, 1/2" DR 3/4" 6 PT	ASME B107.1
J5426H	Socket, 1/2" DR 13/16" 6 PT	ASME B107.1
J5428H	Socket, 1/2" DR 7/8" 6 PT	ASME B107.1
J5430H	Socket, 1/2" DR 15/16" 6 PT	ASME B107.1
J5432H	Socket, 1/2" DR 1" 6 PT	ASME B107.1
J5434H	Socket, 1/2" DR 1-1/16" 6 PT	ASME B107.1
J5436H	Socket, 1/2" DR 1-1/8" 6 PT	ASME B107.1
J5438H	Socket, 1/2" DR 1-3/16" 6 PT	ASME B107.1
J5440H	Socket, 1/2" DR 1-1/4" 6 PT	ASME B107.1
J5442H	Socket, 1/2" DR 1-5/16" 6 PT	ASME B107.1
J5444H	Socket, 1/2" DR 1-3/8" 6 PT	ASME B107.1
J5446H	Socket, 1/2" DR 1-7/16" 6 PT	ASME B107.1
J5448H	Socket, 1/2" DR 1-1/2" 6 PT	ASME B107.1
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 19 PIECE SOCKET SET - 12 POINT

Product #: J54113



- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 Inch.
- Accessories: 17 Inch Socket Bar with 19 Socket Clips.
- Weight (lbs): 7.25

Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5442	Socket, 1/2" DR 1-5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5444	Socket, 1/2" DR 1-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5446	Socket, 1/2" DR 1-7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5448	Socket, 1/2" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 15 PIECE SOCKET SET - 6 POINT

Product #: J54110

- 6 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 4.45



Contents	Description	ASME Spec.
J5412H	Socket, 1/2" DR 3/8" 6 PT	ASME B107.1
J5414H	Socket, 1/2" DR 7/16" 6 PT	ASME B107.1
J5416H	Socket, 1/2" DR 1/2" 6 PT	ASME B107.1
J5418H	Socket, 1/2" DR 9/16" 6 PT	ASME B107.1
J5420H	Socket, 1/2" DR 5/8" 6 PT	ASME B107.1
J5422H	Socket, 1/2" DR 11/16" 6 PT	ASME B107.1
J5424H	Socket, 1/2" DR 3/4" 6 PT	ASME B107.1
J5426H	Socket, 1/2" DR 13/16" 6 PT	ASME B107.1
J5428H	Socket, 1/2" DR 7/8" 6 PT	ASME B107.1
J5430H	Socket, 1/2" DR 15/16" 6 PT	ASME B107.1
J5432H	Socket, 1/2" DR 1" 6 PT	ASME B107.1
J5434H	Socket, 1/2" DR 1-1/16" 6 PT	ASME B107.1
J5436H	Socket, 1/2" DR 1-1/8" 6 PT	ASME B107.1
J5438H	Socket, 1/2" DR 1-3/16" 6 PT	ASME B107.1
J5440H	Socket, 1/2" DR 1-1/4" 6 PT	ASME B107.1
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 23 PIECE METRIC DEEP SOCKET SET - 12 POINT

METRIC

Product #: J54201

- 12 Point Deep: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 mm.
- Accessories: (2) 17 Inch Socket Bars with 23 Socket Clips.
- Weight (lbs): 8.95



Contents	Description	ASME Spec.	AS Spec.
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5325M	Socket, 1/2" DR 25 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5326M	Socket, 1/2" DR 26 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5327M	Socket, 1/2" DR 27 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5328M	Socket, 1/2" DR 28 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5329M	Socket, 1/2" DR 29 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5330M	Socket, 1/2" DR 30 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5331M	Socket, 1/2" DR 31 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5332M	Socket, 1/2" DR 32 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J2586	Socket, Bar 13"		
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 15 PIECE METRIC SOCKET SET - 6 POINT

METRIC

Product #: J54205

- 6 Point Standard:10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 3.30



Contents	Description	ASME Spec.
J5410MH	Socket, 1/2" DR 10 mm 6 PT	ASME B107.5M
J5411MH	Socket, 1/2" DR 11 mm 6 PT	ASME B107.5M
J5412MH	Socket, 1/2" DR 12 mm 6 PT	ASME B107.5M
J5413MH	Socket, 1/2" DR 13 mm 6 PT	ASME B107.5M
J5414MH	Socket, 1/2" DR 14 mm 6 PT	ASME B107.5M
J5415MH	Socket, 1/2" DR 15 mm 6 PT	ASME B107.5M
J5416MH	Socket, 1/2" DR 16 mm 6 PT	ASME B107.5M
J5417MH	Socket, 1/2" DR 17 mm 6 PT	ASME B107.5M
J5418MH	Socket, 1/2" DR 18 mm 6 PT	ASME B107.5M
J5419MH	Socket, 1/2" DR 19 mm 6 PT	ASME B107.5M
J5420MH	Socket, 1/2" DR 20 mm 6 PT	ASME B107.5M
J5421MH	Socket, 1/2" DR 21 mm 6 PT	ASME B107.5M
J5422MH	Socket, 1/2" DR 22 mm 6 PT	ASME B107.5M
J5423MH	Socket, 1/2" DR 23 mm 6 PT	ASME B107.5M
J5424MH	Socket, 1/2" DR 24 mm 6 PT	ASME B107.5M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 15 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J54206

- 12 Point Standard:10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 3.08



Contents	Description	ASME Spec.	AS Spec.
J5410M	Socket, 1/2" DR 10 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5411M	Socket, 1/2" DR 11 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5412M	Socket, 1/2" DR 12 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5413M	Socket, 1/2" DR 13 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5414M	Socket, 1/2" DR 14 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5415M	Socket, 1/2" DR 15 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5416M	Socket, 1/2" DR 16 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5417M	Socket, 1/2" DR 17 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5418M	Socket, 1/2" DR 18 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5419M	Socket, 1/2" DR 19 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5420M	Socket, 1/2" DR 20 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5421M	Socket, 1/2" DR 21 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5422M	Socket, 1/2" DR 22 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5423M	Socket, 1/2" DR 23 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J5424M	Socket, 1/2" DR 24 mm 12 PT	ASME B107.5M	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 15 PIECE METRIC DEEP SOCKET SET - 12 POINT

METRIC

Product #: J54207

- 12 Point Deep: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 mm.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 6.04



Contents	Description	ASME Spec.	AS Spec.
J5310M	Socket, 1/2" DR 10 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5311M	Socket, 1/2" DR 11 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5312M	Socket, 1/2" DR 12 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5313M	Socket, 1/2" DR 13 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5314M	Socket, 1/2" DR 14 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5315M	Socket, 1/2" DR 15 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5316M	Socket, 1/2" DR 16 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5317M	Socket, 1/2" DR 17 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5318M	Socket, 1/2" DR 18 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5319M	Socket, 1/2" DR 19 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5320M	Socket, 1/2" DR 20 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5321M	Socket, 1/2" DR 21 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5322M	Socket, 1/2" DR 22 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5323M	Socket, 1/2" DR 23 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J5324M	Socket, 1/2" DR 24 mm 12 PT Deep	ASME B107.5M	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 15 PIECE SOCKET SET - 12 POINT

Product #: J54114

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 4.26



Contents	Description	ASME Spec.	AS Spec.
J5412	Socket, 1/2" DR 3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5414	Socket, 1/2" DR 7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5416	Socket, 1/2" DR 1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5418	Socket, 1/2" DR 9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5420	Socket, 1/2" DR 5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5422	Socket, 1/2" DR 11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5424	Socket, 1/2" DR 3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5426	Socket, 1/2" DR 13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5428	Socket, 1/2" DR 7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5430	Socket, 1/2" DR 15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5432	Socket, 1/2" DR 1" 12 PT	ASME B107.1	AS954E S3.8.1
J5434	Socket, 1/2" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5436	Socket, 1/2" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5438	Socket, 1/2" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5440	Socket, 1/2" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 11 PIECE DEEP SOCKET SET - 12 POINT

Product #: J54104

- 12 Point Deep: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8.
- Accessories: 17 Inch Socket Bar and Socket Clips.
- Weight (lbs): 5.68



Contents	Description	ASME Spec.	AS Spec.
J5316	Socket, 1/2" DR 1/2" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5318	Socket, 1/2" DR 9/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5320	Socket, 1/2" DR 5/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5322	Socket, 1/2" DR 11/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5324	Socket, 1/2" DR 3/4" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5326	Socket, 1/2" DR 13/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5328	Socket, 1/2" DR 7/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5330	Socket, 1/2" DR 15/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5332	Socket, 1/2" DR 1" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5334	Socket, 1/2" DR 1-1/16" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J5336	Socket, 1/2" DR 1-1/8" 12 PT Deep	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 15 PIECE BLACK OXIDE SOCKET SET - 12 POINT

Product #: J54302

- 12 Point Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4 Inch.
- Accessories: 17 Inch Socket Bar with 15 Socket Clips.
- Weight (lbs): 4.47



Contents	Description	ASME Spec.	AS Spec.
J5412B	Socket, 1/2" DR 3/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5414B	Socket, 1/2" DR 7/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5416B	Socket, 1/2" DR 1/2" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5418B	Socket, 1/2" DR 9/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5420B	Socket, 1/2" DR 5/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5422B	Socket, 1/2" DR 11/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5424B	Socket, 1/2" DR 3/4" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5426B	Socket, 1/2" DR 13/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5428B	Socket, 1/2" DR 7/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5430B	Socket, 1/2" DR 15/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5432B	Socket, 1/2" DR 1" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5434B	Socket, 1/2" DR 1-1/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5436B	Socket, 1/2" DR 1-1/8" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5438B	Socket, 1/2" DR 1-3/16" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J5440B	Socket, 1/2" DR 1-1/4" 12 PT Black Oxide	ASME B107.1	AS954E S3.8.1
J2587	Socket, Bar 17"		
J2592	Socket, Clip 1/2" DR		

1/2" DRIVE 10 PIECE METRIC HEX BIT SET

METRIC

Product #: J5441-MA



- Sockets: 6, 8, 10, 12, 13, 14, 15, 17, 18, 19 mm.
- Accessories: 13 Inch Socket Bar, 10 Socket Clips.
- Weight (lbs): 5.40

Contents	Description
J5441-6M	Socket, Hex Bit 1/2" DR 6 mm
J5441-8M	Socket, Hex Bit 1/2" DR 8 mm
J5441-10M	Socket, Hex Bit 1/2" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-13M	Socket, Hex Bit 1/2" DR 13 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-15M	Socket, Hex Bit 1/2" DR 15 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J5441-18M	Socket, Hex Bit 1/2" DR 18 mm
J5441-19M	Socket, Hex Bit 1/2" DR 19 mm
J2586	Socket, Bar 13"
J2592	Socket, Clip 1/2" DR

1/2" DRIVE 7 PIECE HEX BIT SET

Product #: J5441-7

- Sockets: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8 Inch.
- Accessories: 9 Inch Socket Bar with 7 Socket Clips.
- Weight (lbs): 2.93

Contents	Description
J54411/4	Socket, Hex Bit 1/2" DR 1/4"
J54415/16	Socket, Hex Bit 1/2" DR 5/16"
J54413/8	Socket, Hex Bit 1/2" DR 3/8"
J54417/16	Socket, Hex Bit 1/2" DR 7/16"
J54411/2	Socket, Hex Bit 1/2" DR 1/2"
J54419/16	Socket, Hex Bit 1/2" DR 9/16"
J54415/8	Socket, Hex Bit 1/2" DR 5/8"
J2585	Socket, Bar 9"
J2592	Socket, Clip 1/2" DR



1/2" DRIVE 6 PIECE METRIC HEX BIT SET

METRIC

Product #: J5441-SM

- Sockets: 6, 8, 10, 12, 14, 17 mm.
- Accessories: 9 Inch Socket Bar with 6 Socket Clips.
- Weight (lbs): 2.55

Contents	Description
J5441-6M	Socket, Hex Bit 1/2" DR 6 mm
J5441-8M	Socket, Hex Bit 1/2" DR 8 mm
J5441-10M	Socket, Hex Bit 1/2" DR 10 mm
J5441-12M	Socket, Hex Bit 1/2" DR 12 mm
J5441-14M	Socket, Hex Bit 1/2" DR 14 mm
J5441-17M	Socket, Hex Bit 1/2" DR 17 mm
J2585	Socket, Bar 9"
J2592	Socket, Clip 1/2" DR



1/2" DRIVE 6 PIECE EXTRA-LONG HEX BIT SET

Product #: J5441-6XL

- Sockets: 1/4, 5/16, 3/8, 1/2, 9/16, 5/8 Inch.
- Accessories: 9 Inch Socket Bar with 6 Socket Clips.
- Weight (lbs): 3.59

Contents	Description
J54411/4XL	Socket, Hex Bit 1/2" DR 1/4" Extra-Long
J54415/16XL	Socket, Hex Bit 1/2" DR 5/16" Extra-Long
J5441/8XL	Socket, Hex Bit 1/2" DR 3/8" Extra-Long
J54411/2XL	Socket, Hex Bit 1/2" DR 1/2" Extra-Long
J54419/16XL	Socket, Hex Bit 1/2" DR 9/16" Extra-Long
J54415/8XL	Socket, Hex Bit 1/2" DR 5/8" Extra-Long
J2585	Socket, Bar 9"
J2592	Socket, Clip 1/2" DR



1/2" DRIVE 39 PIECE FLARE NUT CROWFOOT WRENCH SET

Product #: J53000CFLFN

- (39) Crowfoot Wrenches including 15 Crowfoot Flare Nut Wrenches.
- Crowfoot Open End: 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/8, 2-1/4, 2-3/8, 2-7/16, 2-1/2 Inch.
- Flare Nut Crowfoot: 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/8, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2 Inch.
- Accessories: 5 and 10 Inch Locking Extensions.
- Weight (lbs): 23.80



Contents	Description	ASME Spec.
J5330CF	Wrench, Crowfoot Open End 1/2" DR 15/16"	ASME B107.21
J5332CF	Wrench, Crowfoot Open End 1/2" DR 1"	ASME B107.21
J5334CF	Wrench, Crowfoot Open End 1/2" DR 1-1/16"	ASME B107.21
J5336CF	Wrench, Crowfoot Open End 1/2" DR 1-1/8"	ASME B107.21
J5338CF	Wrench, Crowfoot Open End 1/2" DR 1-3/16"	ASME B107.21
J5340CF	Wrench, Crowfoot Open End 1/2" DR 1-1/4"	ASME B107.21
J5342CF	Wrench, Crowfoot Open End 1/2" DR 1-5/16"	ASME B107.21
J5344CF	Wrench, Crowfoot Open End 1/2" DR 1-3/8"	ASME B107.21
J5346CF	Wrench, Crowfoot Open End 1/2" DR 1-7/16"	ASME B107.21
J5348CF	Wrench, Crowfoot Open End 1/2" DR 1-1/2"	ASME B107.21
J5350CF	Wrench, Crowfoot Open End 1/2" DR 1-9/16"	ASME B107.21
J5352CF	Wrench, Crowfoot Open End 1/2" DR 1-5/8"	ASME B107.21
J5354CF	Wrench, Crowfoot Open End 1/2" DR 1-11/16"	ASME B107.21
J5356CF	Wrench, Crowfoot Open End 1/2" DR 1-3/4"	ASME B107.21
J5358CF	Wrench, Crowfoot Open End 1/2" DR 1-13/16"	ASME B107.21
J5360CF	Wrench, Crowfoot Open End 1/2" DR 1-7/8"	ASME B107.21
J5364CF	Wrench, Crowfoot Open End 1/2" DR 2"	ASME B107.21
J5368CF	Wrench, Crowfoot Open End 1/2" DR 2-1/8"	ASME B107.21
J5372CF	Wrench, Crowfoot Open End 1/2" DR 2-1/4"	ASME B107.21
J5376CF	Wrench, Crowfoot Open End 1/2" DR 2-3/8"	ASME B107.21
J5378CF	Wrench, Crowfoot Open End 1/2" DR 2-7/16"	ASME B107.21
J5380CF	Wrench, Crowfoot Open End 1/2" DR 2-1/2"	ASME B107.21
J5336FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/8"	ASME B107.21
J5338FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/16"	ASME B107.21
J5340FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/4"	ASME B107.21
J5342FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-5/16"	ASME B107.21
J5344FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/8"	ASME B107.21
J5346FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-7/16"	ASME B107.21
J5348FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/2"	ASME B107.21
J5350FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-9/16"	ASME B107.21
J5352FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-5/8"	ASME B107.21
J5354FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-11/16"	ASME B107.21
J5356FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/4"	ASME B107.21
J5358FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-13/16"	ASME B107.21
J5360FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-7/8"	ASME B107.21
J5362FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-15/16"	ASME B107.21
J5364FL	Wrench, Crowfoot Flare Nut 1/2" DR 2"	ASME B107.21
J5461L	Extension, 1/2 DR 5" Locking	ASME B107.500
J5463L	Extension, 1/2 DR 10" Locking	ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 22 PIECE CROWFOOT WRENCH SET

Product #: J53000CF



- Crowfoot Open End: 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/8, 2-3/8, 2-7/16, 2-1/2 Inch.
- Weight (lbs): 16.35

Contents	Description	ASME Spec.
J5330CF	Wrench, Crowfoot Open End 1/2" DR 15/16"	ASME B107.21
J5332CF	Wrench, Crowfoot Open End 1/2" DR 1"	ASME B107.21
J5334CF	Wrench, Crowfoot Open End 1/2" DR 1-1/16"	ASME B107.21
J5336CF	Wrench, Crowfoot Open End 1/2" DR 1-1/8"	ASME B107.21
J5338CF	Wrench, Crowfoot Open End 1/2" DR 1-3/16"	ASME B107.21
J5340CF	Wrench, Crowfoot Open End 1/2" DR 1-1/4"	ASME B107.21
J5342CF	Wrench, Crowfoot Open End 1/2" DR 1-5/16"	ASME B107.21
J5344CF	Wrench, Crowfoot Open End 1/2" DR 1-3/8"	ASME B107.21
J5346CF	Wrench, Crowfoot Open End 1/2" DR 1-7/16"	ASME B107.21
J5348CF	Wrench, Crowfoot Open End 1/2" DR 1-1/2"	ASME B107.21
J5350CF	Wrench, Crowfoot Open End 1/2" DR 1-9/16"	ASME B107.21
J5352CF	Wrench, Crowfoot Open End 1/2" DR 1-5/8"	ASME B107.21
J5354CF	Wrench, Crowfoot Open End 1/2" DR 1-11/16"	ASME B107.21
J5356CF	Wrench, Crowfoot Open End 1/2" DR 1-3/4"	ASME B107.21
J5358CF	Wrench, Crowfoot Open End 1/2" DR 1-13/16"	ASME B107.21
J5360CF	Wrench, Crowfoot Open End 1/2" DR 1-7/8"	ASME B107.21
J5364CF	Wrench, Crowfoot Open End 1/2" DR 2"	ASME B107.21
J5368CF	Wrench, Crowfoot Open End 1/2" DR 2-1/8"	ASME B107.21
J5372CF	Wrench, Crowfoot Open End 1/2" DR 2-1/4"	ASME B107.21
J5376CF	Wrench, Crowfoot Open End 1/2" DR 2-3/8"	ASME B107.21
J5378CF	Wrench, Crowfoot Open End 1/2" DR 2-7/16"	ASME B107.21
J5380CF	Wrench, Crowfoot Open End 1/2" DR 2-1/2"	ASME B107.21

1/2" DRIVE 15 PIECE CROWFOOT WRENCH SET

Product #: J53001CF



- Crowfoot Open End: 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2 Inch.
- Accessories: Socket Clips and Bar, Full Polish Finish.
- Weight (lbs): 9.88

Contents	Description	ASME Spec.
J5334CF	Wrench, Crowfoot Open End 1/2" DR 1-1/16"	ASME B107.21
J5336CF	Wrench, Crowfoot Open End 1/2" DR 1-1/8"	ASME B107.21
J5338CF	Wrench, Crowfoot Open End 1/2" DR 1-3/16"	ASME B107.21
J5340CF	Wrench, Crowfoot Open End 1/2" DR 1-1/4"	ASME B107.21
J5342CF	Wrench, Crowfoot Open End 1/2" DR 1-5/16"	ASME B107.21
J5344CF	Wrench, Crowfoot Open End 1/2" DR 1-3/8"	ASME B107.21
J5346CF	Wrench, Crowfoot Open End 1/2" DR 1-7/16"	ASME B107.21
J5348CF	Wrench, Crowfoot Open End 1/2" DR 1-1/2"	ASME B107.21
J5350CF	Wrench, Crowfoot Open End 1/2" DR 1-9/16"	ASME B107.21
J5352CF	Wrench, Crowfoot Open End 1/2" DR 1-5/8"	ASME B107.21
J5354CF	Wrench, Crowfoot Open End 1/2" DR 1-11/16"	ASME B107.21
J5356CF	Wrench, Crowfoot Open End 1/2" DR 1-3/4"	ASME B107.21
J5358CF	Wrench, Crowfoot Open End 1/2" DR 1-13/16"	ASME B107.21
J5360CF	Wrench, Crowfoot Open End 1/2" DR 1-7/8"	ASME B107.21
J5364CF	Wrench, Crowfoot Open End 1/2" DR 2"	ASME B107.21

1/2" DRIVE 15 PIECE CROWFOOT FLARE NUT WRENCH SET

Product #: J53000CFFN

- Crowfoot: 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2 Inch.
- Accessories: Socket Clips and Bar, Full Polish Finish.
- Weight (lbs): 5.86



Contents	Description	ASME Spec.
J5336FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/8"	ASME B107.21
J5338FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/16"	ASME B107.21
J5340FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/4"	ASME B107.21
J5342FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-5/16"	ASME B107.21
J5344FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/8"	ASME B107.21
J5346FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-7/16"	ASME B107.21
J5348FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-1/2"	ASME B107.21
J5350FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-9/16"	ASME B107.21
J5352FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-5/8"	ASME B107.21
J5354FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-11/16"	ASME B107.21
J5356FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-3/4"	ASME B107.21
J5358FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-13/16"	ASME B107.21
J5360FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-7/8"	ASME B107.21
J5362FL	Wrench, Crowfoot Flare Nut 1/2" DR 1-15/16"	ASME B107.21
J5364FL	Wrench, Crowfoot Flare Nut 1/2" DR 2"	ASME B107.21

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



1/2" DRIVE STANDARD LENGTH PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET



- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or black oxide finish.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5449XL	1/2	Full Polish	10-1/2	1.72	J5449XLRK
J5449XLBL	1/2	Black Oxide	10-1/2	1.72	J5449XLRK
					ASME B107.500

1/2" DRIVE QUICK RELEASE PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET



- Small, pear head design for access in tight, hard to reach work areas.
- 45-tooth gear, 8° swing articulation.
- Low profile quick release button for access in restricted areas.
- Low profile reversing lever design for quick, one-hand operation.
- Patented sealed head design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Full polished handle, easy to clean.
- Double nickel chrome plated for enhanced corrosion protection meeting aerospace requirements.
- Also available in black oxide finish.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5449XLQR	1/2	Full Polish	10-1/2	1.72	J5449XLQRRK
J5449XLQRBL	1/2	Black Oxide	10-1/2	1.72	J5449XLQRRK
J5450XLQR	1/2	Full Polish	15	2.18	J5449XLQRRK
J5450XLQRBL	1/2	Black Oxide	15	2.18	J5449XLQRRK
					ASME B107.10

1/2" DRIVE LONG HANDLE PREMIUM PEAR HEAD RATCHETS

PREMIUM RATCHET



- Small pear head design for access in tight, hard to reach work areas.
- 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- Sealed design helps prevent debris from entering the ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components. Patent pending design.
- Low profile reversing lever design for quick, one-hand operation.
- Contoured, ergonomically-designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- Double nickel chrome plated for enhanced corrosion protection or black oxide finish.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5450XL	1/2	Full Polish	15	2.18	J5449XLRK
J5450XLBL	1/2	Black Oxide	15	2.18	J5449XLRK
					ASME B107.500

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Made in USA Made in USA with global components



1/2" DRIVE OVERSIZED LEVER CLASSIC PEAR HEAD RATCHET



- Oversized reverse lever for easy reversing while wearing work gloves.
- Reversing lever designed for quick one-hand operation.
- Ideal ratchet for lineman operations.
- Unique 24-tooth gear design provides 15° ratcheting angle while maximizing ultimate torque.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5449UT	1/2	Full Polish	10	1.50	J5449UTRK

ASME B107.500

1/2" DRIVE STANDARD LENGTH CLASSIC PEAR HEAD RATCHETS





- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5449	1/2	Full Polish	10	1.57	J5449RK
J5449BL	1/2	Black Oxide	10	1.74	J5449RK

ASME B107.500

1/2" DRIVE LONG HANDLE CLASSIC PEAR HEAD RATCHETS





- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.
- Field repairable.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5450	1/2	Full Polish	16	2.03	J5449RK
J5450BL	1/2	Black Oxide	16	2.03	J5449RK

ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



1/2" DRIVE LONG HANDLE FEMALE DRIVE RATCHET

- Robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile head for access in constricted areas.
- Reversing lever design for quick, one-hand operation.
- Knurled slip-resistant grip.
- Made of heat-treated alloy steel.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5450FW	1/2	Full Polish	16	1.82	J5450FWRK

ASME B107.500

1/2" DRIVE STANDARD LENGTH ROUND HEAD RATCHETS

- Small head design and tight swing allow fastener to access tight areas.
- Full polish or black oxide finish with knurled grip for strong slip-resistant grip.
- 5° ratcheting angle.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5452F	1/2	Full Polish	9-3/8	1.12	J5452FRK
J5452FBL	1/2	Black Oxide	9-3/8	1.12	J5452FRK

ASME B107.500

1/2" DRIVE LONG HANDLE ROUND HEAD RATCHET

- Round head ratchet mechanism allows for a compact head.
- 72-tooth = 5° swing arc.
- Small head design and tight swing arc allow for fastener access in tight areas.
- Full polish shaft with knurled grip for strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5454F	1/2	Full Polish	15	1.65	J5452FRK

1/2" DRIVE FLEX-HEAD RATCHET

- 180° flex.
- 72-tooth gear.
- 5° ratcheting angle.
- Small head design and tight swing arc allow fastener to access tight area.
- Full polish shaft with knurled grip allows for a strong slip-resistant grip.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5457F	1/2	Full Polish	17-3/32	1.53	J5452FRK

ASME B107.500



1/2" DRIVE SCAFFOLDING RATCHET

- The scaffold ratchet is designed for working with scaffolding and other construction applications.
- Socket retained with through hole and pin for safety.
- Hammer tip reduces vibration and protects fasteners against distortion.
- Hole in ratchet handle to be used with tether strap.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5449SC	1/2	Full Polish	10	2.01

1/2" DRIVE SPUD HANDLE RATCHET

- Tapered handle for aligning bolt holes.
- Spring-loaded pellet in male drive plug.
- Black oxide finish.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5449-14BL	1/2	Black Oxide	14	2.03

ASME B107.500

1/2" DRIVE RATCHET ADAPTER

- Converts standard handles to ratcheting handles.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5447	1/2	Full Polish	2-21/32	0.86

ASME B107.500

1/2" DRIVE HINGE HANDLE

- Head Flexes 90° from horizontal.
- Made of heat-treated alloy steel.
- Chrome plated finish.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5466	1/2	Full Polish	10-7/8	1.14
J5467	1/2	Full Polish	15-3/4	1.52
J5468	1/2	Full Polish	18-5/8	1.69
J5468BL	1/2	Black Oxide	18-5/8	1.69
J5469	1/2	Full Polish	24	2.68

ASME B107.500

1/2" DRIVE SPEED HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5480G	1/2	Full Polish	18-5/16	1.55

ASME B107.500



1/2" DRIVE SLIDING T-HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5485	1/2	Full Polish	12-15/16	1.11

ASME B107.500



1/2" DRIVE STANDARD EXTENSIONS

- Made from alloy steel.
- Heat-treated for strength and durability.
- Rigid extensions.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5460	1/2	Full Polish	2-1/2	0.24
J5460B	1/2	Black Oxide	2-1/2	0.24
J5461	1/2	Full Polish	5	0.44
J5461B	1/2	Black Oxide	5	0.44
J5463	1/2	Full Polish	10	0.89
J5463B	1/2	Black Oxide	10	0.89
J5464	1/2	Full Polish	20	1.87
J5465	1/2	Full Polish	36	3.41

ASME B107.500





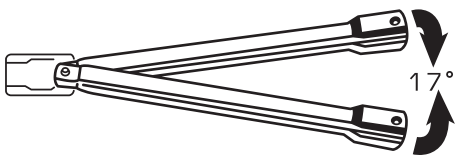
1/2" DRIVE WOBBLE EXTENSIONS

- Provides up to a 17° angle of operation.
- Made from alloy steel.
- Heat-treated for strength and durability.
- Rigid extension.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5460W	1/2	Full Polish	2-1/2	0.24
J5461W	1/2	Full Polish	5	0.44
J5463W	1/2	Full Polish	10	0.89
J5464W	1/2	Full Polish	20	1.90

ASME B107.500







1/2" DRIVE LOCKING EXTENSIONS

- Push button locking mechanism.
- Over-molded protection cap prevents dust and debris from jamming mechanism.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5460-03L	1/2	Full Polish	3	0.40
J5461L	1/2	Full Polish	5	0.55
J5463L	1/2	Full Polish	10	1.04

ASME B107.500



1/2" DRIVE ADAPTERS

Product #	Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5253	3/8" F x 1/2" M	Full Polish	1-7/16	0.11
J5254	1/2" F x 3/8" M	Full Polish	1-3/8	0.13
J5653	1/2" F x 3/4" M	Full Polish	1-11/16	0.24
J5453	3/4" F x 1/2" M	Full Polish	1-7/8	0.39

ASME B107.500



1/2" DRIVE LOCKING ADAPTER

- Includes hex key for easy locking onto drive tool.
- Knurl locking ring.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5460-02BLS	1/2	Black Oxide	3	0.36



1/2" DRIVE UNIVERSAL JOINT

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5470A	1/2	Full Polish	2-3/4	0.30

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1/2" DRIVE SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

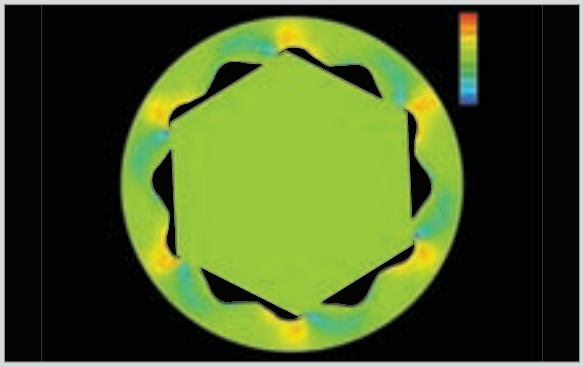


Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5408H	1/4	1/4	55/64	23/64	23/64	1-31/64	0.11
J5410H	5/16	17/32	55/64	23/64	25/32	1-31/64	0.11
J5412H	3/8	9/16	55/64	23/64	7/8	1-31/64	0.11
J5414H	7/16	43/64	55/64	23/64	7/8	1-31/64	0.11
J5416H	1/2	47/64	55/64	23/64	7/8	1-31/64	0.11
J5418H	9/16	13/16	55/64	23/64	53/64	1-1/2	0.13
J5419H	19/32	7/8	7/8	33/64	25/32	1-1/2	0.14
J5420H	5/8	7/8	7/8	9/16	21/32	1-1/2	0.14
J5421H	1-1/2	29/32	29/32	37/64	25/32	1-1/2	0.15
J5422H	11/16	61/64	61/64	9/16	21/32	1-1/2	0.15
J5424H	3/4	1-1/32	1-1/32	11/16	21/32	1-1/2	0.15
J5425H	1-1/2	1-1/16	1-1/16	11/16	25/32	1-1/2	0.19
J5426H	13/16	1-3/32	1-3/32	11/16	21/32	1-1/2	0.18
J5428H	7/8	1-11/64	1-11/64	11/16	45/64	1-9/16	0.26
J5430H	15/16	1-1/4	1-1/4	13/16	45/64	1-9/16	0.33
J5431H	1-9/16	1-9/32	1-9/32	13/16	27/32	1-9/16	0.31
J5432H	1	1-21/64	1-21/64	53/64	45/64	1-9/16	0.38
J5434H	1-1/16	1-13/32	1-13/32	13/16	25/32	1-41/64	0.42
J5436H	1-1/8	1-31/64	1-31/64	59/64	25/32	1-3/4	0.47
J5438H	1-3/16	1-9/16	1-9/16	59/64	25/32	1-3/4	0.59
J5440H	1-1/4	1-39/64	1-39/64	1	57/64	1-55/64	0.66
J5442H	1-15/16	1-21/32	1-21/32	27/32	49/64	1-3/4	0.69
J5444H	1-3/8	1-25/32	1-21/32	27/32	1-11/64	2-1/8	0.79
J5446H	1-7/16	1-59/64	1-21/32	27/32	1-11/64	2-1/8	0.98
J5448H	1-1/2	1-63/64	1-21/32	27/32	1-11/64	2-1/4	0.96
J5450H	1-9/16	2-1/32	1-5/8	1	1-9/32	2-1/4	1.12

ASME B107.1

PRODUCT FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



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1/2" DRIVE METRIC SOCKETS - 6 POINT

METRIC

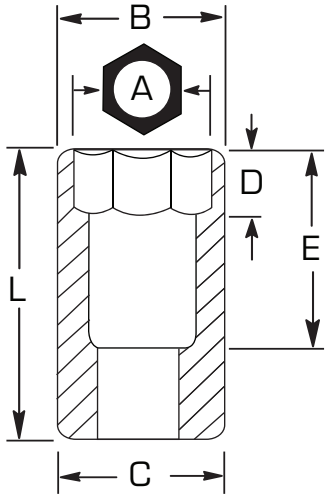
- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5408MH	8	35/64	55/64	23/64	47/64	1-31/64	0.11
J5409MH	9	19/32	55/64	23/64	47/64	1-31/64	0.12
J5410MH	10	39/64	55/64	23/64	25/32	1-31/64	0.09
J5411MH	11	45/64	55/64	23/64	25/32	1-31/64	0.10
J5412MH	12	47/64	55/64	23/64	25/32	1-31/64	0.10
J5413MH	13	3/4	55/64	23/64	25/32	1-31/64	0.12
J5414MH	14	13/16	55/64	23/64	25/32	1-31/64	0.13
J5415MH	15	55/64	55/64	37/64	25/32	1-1/2	0.13
J5416MH	16	55/64	55/64	37/64	25/32	1-1/2	0.14
J5417MH	17	61/64	61/64	37/64	25/32	1-1/2	0.17
J5418MH	18	61/64	61/64	37/64	25/32	1-1/2	0.17
J5419MH	19	1-1/32	1-1/32	11/16	25/32	1-1/2	0.19
J5420MH	20	1-3/32	1-3/32	11/16	55/64	1-1/2	0.22
J5421MH	21	1-3/32	1-3/32	11/16	55/64	1-1/2	0.24
J5422MH	22	1-3/16	1-3/16	45/64	29/32	1-17/32	0.26
J5423MH	23	1-13/64	1-13/64	13/16	29/32	1-17/32	0.27
J5424MH	24	1-1/4	1-1/4	27/32	29/32	1-17/32	0.28
J5425MH	25	1-5/16	1-5/16	27/32	29/32	1-17/32	0.30
J5426MH	26	1-11/32	1-11/32	57/64	29/32	1-39/64	0.33
J5427MH	27	1-25/64	1-25/64	55/64	1-3/64	1-43/64	0.39
J5428MH	28	1-9/32	1-29/64	61/64	1-5/32	1-25/32	0.48
J5429MH	29	1-31/64	1-31/64	61/64	1-5/32	1-25/32	0.48
J5430MH	30	1-9/16	1-17/32	61/64	1-5/32	1-25/32	0.53
J5431MH	31	1-5/8	1-5/8	61/64	1-5/32	1-25/32	0.53
J5432MH	32	1-5/8	1-5/8	1	1-5/32	1-27/32	0.57
J5434MH	34	1-49/64	1-21/32	7/8	1-5/32	2-1/4	0.86
J5436MH	36	1-59/64	1-21/32	1	1-5/32	2-1/4	0.86

ASME B107.5M



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1/2" DRIVE DEEP SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5312H	3/8	9/16	7/8	1/4	2-39/64	3-1/4	0.30
J5314H	7/16	9/16	7/8	23/64	2-39/64	3-1/4	0.30
J5316H	1/2	47/64	55/64	25/32	2-39/64	3-1/4	0.31
J5318H	9/16	13/16	27/32	7/8	2-39/64	3-1/4	0.31
J5320H	5/8	7/8	7/8	1-3/16	2-39/64	3-1/4	0.31
J5322H	11/16	31/32	31/32	1-3/16	2-39/64	3-1/4	0.33
J5324H	3/4	1-3/64	1-3/64	1-3/16	2-39/64	3-1/4	0.40
J5326H	13/16	1-1/8	1-1/8	1-3/16	2-39/64	3-1/4	0.43
J5328H	7/8	1-11/64	1-11/64	1-3/16	2-39/64	3-1/4	0.54
J5330H	15/16	1-1/4	1-1/4	1-3/16	2-39/64	3-1/4	0.65
J5332H	1	1-21/64	1-21/64	1-3/16	2-39/64	3-1/4	0.71
J5334H	1-1/16	1-7/16	1-7/16	1-3/16	2-1/4	3-1/4	0.72
J5336H	1-1/8	1-1/2	1-1/2	1	2-1/4	3-1/4	0.74
J5338H	1-3/16	1-35/64	1-35/64	1-3/32	2-1/4	3-1/4	0.85
J5340H	1-1/4	1-19/32	1-19/32	1-3/16	2-1/4	3-1/4	1.02
J5342H	1-5/16	1-7/8	1-5/8	27/32	2-19/64	3-1/2	1.06
J5344H	1-3/8	1-7/8	1-5/8	29/32	2-1/4	3-1/2	1.23
J5346H	1-7/16	2-1/16	1-5/8	61/64	2-1/4	3-1/2	1.27
J5348H	1-1/2	2	1-5/8	1	2-1/4	3-1/2	1.58

ASME B107.1



1/2" DRIVE SOCKETS - 8 POINT

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5412S	3/8	45/64	55/64	1/4	1-1/64	1-7/16	0.11
J5414S	7/16	51/64	51/64	5/16	1-1/8	1-7/16	0.11
J5416S	1/2	59/64	59/64	11/32	1-3/32	1-7/16	0.11
J5418S	9/16	1	1	3/8	1-1/64	1-1/2	0.13
J5420S	5/8	1-5/64	1-5/64	37/64	1-3/32	1-1/2	0.14
J5422S	11/16	1-11/64	1-11/64	13/32	1-1/64	1-1/2	0.15
J5424S	3/4	1-15/64	1-15/64	29/64	1-1/16	1-1/2	0.18
J5426S	13/16	1-23/64	1-23/64	27/32	1-5/32	1-5/8	0.23
J5428S	7/8	1-1/2	1-1/2	27/32	1-1/8	1-5/8	0.51
J5432S	1	1-11/16	1-11/16	3/4	11/16	1-3/4	0.80

ASME B107.1



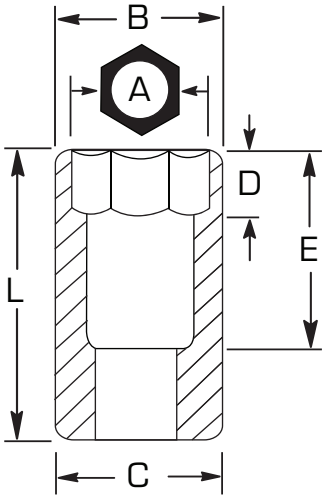
1/2" DRIVE SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5408T	1/4	1/4	23/32	23/64	23/32	1-34/64	0.11
J5410	5/16	17/32	55/64	23/64	23/32	1-34/64	0.11
J5412	3/8	9/16	55/64	23/64	7/8	1-31/64	0.11
J5414	7/16	43/64	55/64	23/64	7/8	1-31/64	0.11
J5416	1/2	47/64	55/64	23/64	7/8	1-31/64	0.11
J5417	17/32	7/8	55/64	23/64	23/32	1-31/64	0.12
J5418	9/16	13/16	55/64	23/64	51/64	1-1/2	0.13
J5419	19/32	7/8	55/64	9/16	21/32	1-1/2	0.13
J5420	5/8	7/8	7/8	9/16	21/32	1-1/2	0.14
J5421	21/32"	61/64	61/64	9/16	21/32	1-1/2	0.15
J5422	11/16	61/64	61/64	9/16	21/32	1-1/2	0.15
J5424	3/4	1-1/32	1-1/64	11/16	21/32	1-1/2	0.15
J5425	25/32	1-1/16	1-5/64	11/16	21/32	1-1/2	0.20
J5426	13/16	1-3/32	1-5/64	11/16	21/32	1-1/2	0.23
J5428	7/8	1-11/64	1-3/16	11/16	45/64	1-9/16	0.26
J5429	29/32	1-3/16	1-3/16	13/16	45/64	1-9/16	0.30
J5430	15/16	1-1/4	1-1/4	13/16	45/64	1-9/16	0.33
J5431	31/32	1-9/32	1-9/32	13/16	45/64	1-9/16	0.35
J5432	1	1-21/64	1-5/16	27/32	45/64	1-9/16	0.38
J5434	1-1/16	1-13/32	1-25/64	13/16	25/32	1-5/8	0.42
J5436	1-1/8	1-31/64	1-31/64	15/16	29/32	1-3/4	0.47
J5438	1-3/16	1-9/16	1-17/32	59/64	29/32	1-3/4	0.59
J5440	1-1/4	1-39/64	1-37/64	1	7/8	1-3/4	0.66
J5442	1-5/16	1-21/32	1-41/64	27/32	1-19/64	1-55/64	0.69
J5444	1-3/8	1-25/32	1-5/8	25/32	1-19/64	2	0.79
J5446	1-7/16	1-59/64	1-5/8	27/32	1-19/64	2-1/8	0.98
J5448	1-1/2	1-63/64	1-5/8	27/32	1-19/64	2-1/4	1.12
						AS954E S3.8.1	ASME B107.1



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE METRIC SOCKETS - 12 POINT

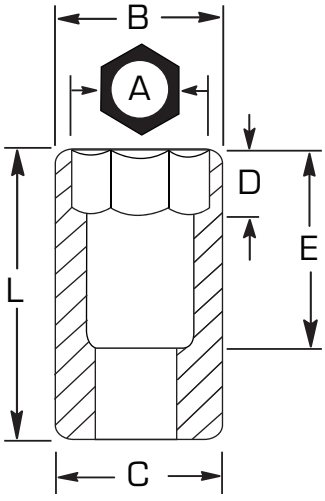
METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5408M	8	35/64	55/64	23/64	25/32	1-19/64	0.11
J5409M	9	19/32	55/64	23/64	25/32	1-31/64	0.11
J5410M	10	39/64	55/64	23/64	55/64	1-31/64	0.11
J5411M	11	45/64	55/64	23/64	55/64	1-31/64	0.11
J5412M	12	47/64	55/64	23/64	55/64	1-31/64	0.11
J5413M	13	3/4	55/64	23/64	55/64	1-31/64	0.12
J5414M	14	13/16	55/64	23/64	7/8	1-1/2	0.13
J5415M	15	55/64	55/64	37/64	7/8	1-1/2	0.13
J5416M	16	7/8	7/8	37/64	7/8	1-1/2	0.13
J5417M	17	61/64	61/64	37/64	7/8	1-1/2	0.14
J5418M	18	61/64	61/64	37/64	7/8	1-1/2	0.17
J5419M	19	1-1/32	1-1/32	11/16	27/32	1-1/2	0.19
J5420M	20	1-3/32	1-3/32	11/16	27/32	1-1/2	0.22
J5421M	21	1-3/32	1-3/32	11/16	27/32	1-1/2	0.24
J5422M	22	1-11/64	1-11/64	11/16	27/32	1-17/32	0.26
J5423M	23	1-13/64	1-13/64	25/32	59/64	1-17/32	0.27
J5424M	24	1-1/4	1-1/4	53/64	59/64	1-17/32	0.28
J5425M	25	1-9/32	1-9/32	53/64	59/64	1-17/32	0.30
J5426M	26	1-21/64	1-21/64	55/64	63/64	1-39/64	0.33
J5427M	27	1-13/32	1-13/32	15/16	1-3/64	1-43/64	0.39
J5428M	28	1-31/64	1-31/64	63/64	1-5/32	1-25/32	0.48
J5429M	29	1-31/64	1-31/64	63/64	1-5/32	1-25/32	0.62
J5430M	30	1-9/16	1-17/32	63/64	1-5/32	1-25/32	0.63
J5431M	31	1-39/64	1-39/64	1-1/16	1-5/32	1-25/32	0.63
J5432M	32	1-39/64	1-39/64	1-1/8	1-7/32	1-27/32	0.63
J5434M	34	1-49/64	1-49/64	1	1-35/64	1-27/32	0.63
J5436M	36	1-31/32	1-31/32	1-3/8	1-39/64	2-15/64	1.04
J5438M	38	2-1/32	2-1/32	1-3/8	1-39/64	2-1/4	1.04
						AS954E S3.8.1	ASME B107.5M



1/2" DRIVE BLACK OXIDE SOCKETS - 12 POINT



- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5412B	3/8	9/16	55/64	23/64	7/8	1-1/2	0.10
J5414B	7/16	43/64	55/64	23/64	7/8	1-1/2	0.12
J5416B	1/2	47/64	55/64	23/64	7/8	1-1/2	0.12
J5418B	9/16	13/16	55/64	23/64	51/64	1-1/2	0.12
J5420B	5/8	7/8	7/8	9/16	21/37	1-1/2	0.12
J5422B	11/16	61/64	61/64	9/16	21/32	1-1/2	0.15
J5424B	3/4	1-1/32	1-1/32	11/16	21/32	1-1/2	0.17
J5426B	13/16	1-3/32	1-3/32	11/16	21/32	1-1/2	0.20
J5428B	7/8	1-11/64	1-11/64	11/16	45/64	1-9/16	0.25
J5430B	15/16	1-1/4	1-1/4	13/16	45/64	1-9/16	0.27
J5432B	1	1-5/16	1-3/16	27/32	45/64	1-9/16	0.31
J5434B	1-1/16	1-25/64	1-25/64	13/16	25/32	1-5/8	0.37
J5436B	1-1/8	1-31/64	1-31/64	15/16	29/32	1-3/4	0.44
J5438B	1-3/16	1-17/32	1-17/32	59/64	29/32	1-3/4	0.45
J5440B	1-1/4	1-37/64	1-37/64	1	7/8	1-21/32	0.43
J5442B	1-5/16	1-41/64	1-41/64	1-27/32	1-19/64	1-3/4	0.52
J5444B	1-3/8	1-51/64	1-5/8	1-31/32	1-19/64	2	0.67
J5446B	1-7/16	1-59/64	1-5/8	1-27/32	1-19/64	2-1/8	0.80
J5448B	1-1/2	1-63/64	1-5/8	1-27/32	1-19/64	2-1/4	0.85

AS954E S3.8.1 ASME B107.1

1/2" DRIVE DEEP SOCKETS - 12 POINT



- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5312	3/8	9/16	7/8	1/4	2-39/64	3-1/4	0.28
J5314	7/16	9/16	7/8	23/64	2-39/64	3-1/4	0.28
J5316	1/2	47/64	55/64	25/32	2-39/64	3-1/4	0.29
J5318	9/16	13/16	27/32	15/16	2-39/64	3-1/4	0.29
J5320	5/8	7/8	7/8	1-7/32	2-39/64	3-1/4	0.30
J5322	11/16	31/32	31/32	1-7/32	2-39/64	3-1/4	0.42
J5324	3/4	1-3/64	1-3/64	1-7/32	2-39/64	3-1/4	0.42
J5326	13/16	1-3/32	1-3/32	1-7/32	2-39/64	3-1/4	0.52
J5328	7/8	1-11/64	1-11/64	1-7/32	2-39/64	3-1/4	0.58
J5330	15/16	1-1/4	1-1/4	1-7/32	2-39/64	3-1/4	0.67
J5332	1	1-21/64	1-21/64	1-7/32	2-29/64	3-1/4	0.67
J5334	1-1/16	1-13/32	1-13/32	1-9/32	2-29/64	3-1/4	0.75
J5336	1-1/8	1-1/2	1-1/2	1-5/32	2-29/64	3-1/4	0.83
J5340	1-1/4	1-9/16	1-9/16	1-13/32	2-29/64	3-1/4	1.06
J5338	1-3/16	1-35/64	1-35/64	1-7/64	2-1/4	3-1/4	0.83
J5342	1-5/16	1-7/8	1-5/8	27/32	2-1/4	3-1/2	1.06
J5344	1-3/8	1-7/8	1-5/8	61/64	2-1/4	3-1/2	1.23
J5346	1-7/16	2-1/16	1-5/8	61/64	2-1/4	3-1/2	1.27
J5348	1-1/2	2-1/16	1-5/8	1	2-1/4	3-1/2	1.58

AS954E S3.8.1 ASME B107.1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE METRIC DEEP SOCKETS - 12 POINT

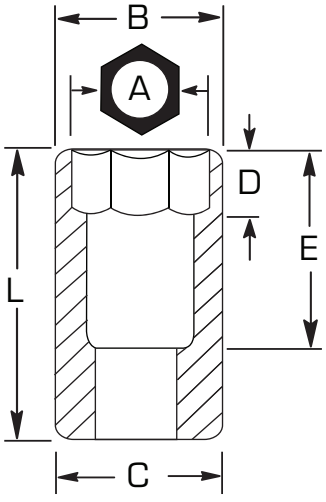
METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5310M	10	39/64	55/640	19/32	2-3/32	3-1/4	0.25
J5311M	11	45/64	55/64	5/8	2-3/32	3-1/4	0.25
J5312M	12	47/64	55/64	43/64	2-3/32	3-1/4	0.26
J5313M	13	3/4	55/64	43/64	2-3/32	3-1/4	0.26
J5314M	14	27/32	27/32	15/16	2-3/32	3-1/4	0.30
J5315M	15	55/64	55/64	1-1/16	2-3/32	3-1/4	0.32
J5316M	16	55/64	55/64	1-3/16	2-3/32	3-1/4	0.32
J5317M	17	61/64	61/64	1-3/16	2-3/32	3-1/4	0.33
J5318M	18	63/64	63/64	1-3/16	2-3/32	3-1/4	0.33
J5319M	19	1-3/64	1-3/64	1-3/16	2-3/32	3-1/4	0.37
J5320M	20	1-3/32	1-3/32	1-3/16	2-3/32	3-1/4	0.46
J5321M	21	1-3/32	1-3/32	1-3/16	2-3/32	3-1/4	0.51
J5322M	22	1-11/64	1-11/64	1-3/16	2-3/32	3-1/4	0.51
J5323M	23	1-13/64	1-13/64	1-3/16	2-3/32	3-1/4	0.51
J5324M	24	1-1/4	1-1/4	1-3/16	2-3/32	3-1/4	0.51
J5325M	25	1-5/16	1-5/16	1-3/16	2-3/32	3-1/4	0.62
J5326M	26	1-21/64	1-21/64	1-3/16	2-3/32	3-1/4	0.63
J5327M	27	1-1/64	1-1/64	1-7/64	2-3/32	3-1/4	0.65
J5328M	28	1-3/32	1-31/64	1-7/64	2-3/32	3-1/4	0.68
J5329M	29	1-31/64	1-31/64	1-7/64	2-3/32	3-1/4	0.68
J5330M	30	1-9/16	1-9/16	1-7/64	2-5/8	3-1/4	0.70
J5331M	31	1-39/64	1-39/64	1-7/64	2-5/8	3-1/4	0.73
J5332M	32	1-39/64	1-39/64	1-7/64	2-5/8	3-1/4	0.73
J5336M	36	1-31/32	1-31/32	1-7/64	2-5/8	3-1/4	0.99
					AS954E S3.8.1		ASME B107.5M



1/2" DRIVE BLACK OXIDE DEEP SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5316B	1/2	47/64	55/64	51/64	2-1/8	3-1/4	0.27
J5318B	9/16	13/16	55/64	7/8	2-1/8	3-1/4	0.31
J5320B	5/8	7/8	7/8	1-3/16	2-1/8	3-1/4	0.28
J5322B	11/16	61/64	61/64	1-3/16	2-1/8	3-1/4	0.33
J5324B	3/4	1-3/64	1-3/64	1-3/16	2-1/8	3-1/4	0.39
J5326B	13/16	1-3/32	1-3/32	1-3/16	2-1/8	3-1/4	0.42
J5328B	7/8	1-11/64	1-11/64	1-3/16	2-1/8	3-1/4	0.50
J5330B	15/16	1-1/4	1-1/4	1-3/16	2-1/8	3-1/4	0.55
J5332B	1	1-21/64	1-21/64	1-3/16	2-1/8	3-1/4	0.59
J5334B	1-1/16	1-13/32	1-13/32	1-3/16	2-1/8	3-1/4	0.69
J5336B	1-1/8	1-31/64	1-31/64	1-3/16	2-1/8	3-1/4	0.76
J5340B	1-1/4	1-37/64	1-37/64	1-3/16	2-1/8	3-1/4	0.79

AS954E S3.8.1 ASME B107.1

1/2" DRIVE SOCKETS - SPLINE

- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high-strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 point wrenches on double-box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.



Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5416SPL	1/2	#16	7/8	7/8	31/64	13/16	1-7/16	0.11
J5418SPL	9/16	#18	7/8	7/8	31/64	13/16	1-7/16	0.11
J5420SPL	5/8	#20	7/8	7/8	17/32	1-1/16	1-9/16	0.14
J5422SPL	11/16	#22	61/64	61/64	17/32	1-1/16	1-9/16	0.17
J5424SPL	3/4	#24	1-3/64	1-3/64	17/32	1-1/16	1-9/16	0.20
J5426SPL	13/16	#26	1-1/8	1-1/8	17/32	1-1/16	1-9/16	0.23
J5428SPL	7/8	#28	1-3/16	1-3/16	17/32	1-1/16	1-9/16	0.24
J5430SPL	15/16	#30	1-5/16	1-5/16	17/32	1-1/16	1-9/16	0.30

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE DEEP SOCKETS - SPLINE

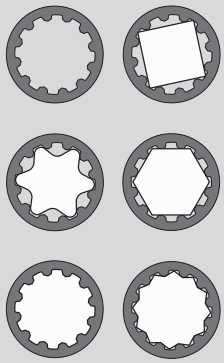
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- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

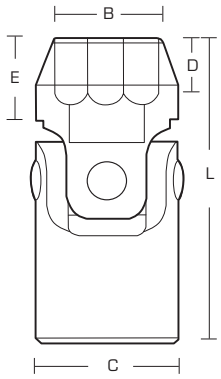


Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5316DPL	1/2	#16	7/8	7/8	31/64	2-7/8	3-3/8	0.24
J5318DPL	9/16	#18	7/8	7/8	31/64	2-7/8	3-3/8	0.28
J5320DPL	5/8	#20	7/8	7/8	33/64	2-7/8	3-3/8	0.32
J5322DPL	11/16	#22	61/64	61/64	17/32	2-7/8	3-3/8	0.29
J5324DPL	3/4	#24	1-3/64	1-3/64	17/32	2-7/8	3-3/8	0.33
J5326DPL	13/16	#26	1-1/8	1-1/8	17/32	2-7/8	3-3/8	0.37
J5328DPL	7/8	#28	1-3/16	1-3/16	17/32	2-7/8	3-3/8	0.41
J5330DPL	15/16	#30	1-5/16	1-5/16	17/32	2-7/8	3-3/8	0.48

FEATURES AND BENEFITS — SPLINE SOCKETS

- High strength in a compact profile.
- Standard depth and deep sockets are available in the three smaller drive sizes - 1/4", 3/8", and 1/2".
- Can be used on spline fasteners, as well as on 4, 6, 8 or 12 point fasteners.





1/2" DRIVE METRIC UNIVERSAL SOCKETS - 6 POINT

METRIC

- Universal sockets permit turning at an angle up to 65° where obstructions may prevent a straight application.
- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5484HAM	21	1-3/16	1	1/2	1/2	2-9/16	0.37
J5485HAM	22	1-1/4	1	1/2	1/2	2-9/16	0.38
J5487HAM	24	1-3/16	1	9/16	9/16	2-9/16	0.39

ASME B107.1

1/2" DRIVE UNIVERSAL SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5475A	1/2	23/32	15/16	3/8	29/64	2-15/32	0.25
J5476A	9/16	13/16	15/16	13/32	1/2	2-21/32	0.26
J5477A	5/8	15/16	15/16	29/64	1/2	2-21/32	0.27

1/2" DRIVE SPARK PLUG SOCKETS - 6 POINT

- With rubber insert.
- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Overall Length (in) (L)	Weight (lbs)
J5320-50	5/8	2-1/2	0.23
J5326HPA	13/16	2-47/64	0.35

ASME B107.34

1/2" DRIVE DRAG LINK SOCKETS

- Made of heat-treated alloy steel.
- Ball detent.



Product #	Size (in)	Tip Width (in)	Overall Length (in)	Weight (lbs)
J5444A	3/4	0.115	1-5/8	0.14
J5446A	15/16	0 .154	1-5/8	0.17

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1/2" DRIVE SLOTTED SCREWDRIVER BIT SOCKETS

- Made of heat-treated alloy steel.
- Ball detent.



Product #	Tip Size	Tip Thick. (in)	Overall Length (in)	Weight (lbs)
J5407A	7/16	3/64	3-5/32	0.20
J5408A	1/2	5/64	3-5/32	0.22
J5409A	5/8	3/32	3-5/32	0.27

1/2" DRIVE PHILLIPS® SCREWDRIVER BIT SOCKETS

- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.
- Made of heat-treated alloy steel.
- Polished chrome finsh.



Product #	Tip Size	Tip Width (in)	Overall Length (in)	Weight (lbs)
J5402	#2	2-5/32	2-5/32	0.19
J5403	#3	2-5/32	2-5/32	0.18
J5404	#4	2-5/32	2-5/32	0.19

1/2" DRIVE HEX BIT SOCKETS

- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.
- Made of heat-treated alloy steel.
- Polished chrome finsh.



Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J54411/4	1/4	1-3/4	3-1/4	0.19
J54415/16	5/16	1-3/4	3-1/4	0.22
J54413/8	3/8	1-3/4	3-1/4	0.25
J54417/16	7/16	1-3/4	3-1/4	0.28
J54411/2	1/2	1-7/8	3-5/8	0.46
J54419/16	9/16	1-7/8	3-5/8	0.50
J54415/8	5/8	2	4	0.85
J54413/4	3/4	2	4	0.92

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



1/2" DRIVE EXTRA-LONG HEX BIT SOCKETS

- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.
- Made of heat-treated alloy steel.
- Polished chrome finsh.

Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J54411/4XL	1/4	3-1/8	4-5/8	0.20
J54415/16XL	5/16	4-1/8	5-5/8	0.29
J54413/8XL	3/8	4-1/8	5-5/8	0.42
J54411/2XL	1/2	5-3/8	7-1/8	0.60
J54419/16XL	9/16	5-3/8	7-1/8	0.77
J54415/8XL	5/8	5-3/16	7-3/16	0.86



1/2" DRIVE METRIC HEX BIT SOCKETS

METRIC

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J5441-6M	6	1-3/4	3-1/4	0.20
J5441-8M	8	1-3/4	3-1/4	0.22
J5441-10M	10	1-3/4	3-1/4	0.26
J5441-12M	12	1-3/4	3-1/4	0.29
J5441-13M	13	1-7/8	3-41/64	0.46
J5441-14M	14	1-7/8	3-41/64	0.50
J5441-15M	15	1-7/8	3-41/64	0.50
J5441-17M	17	2	4	0.87
J5441-18M	18	2	4	0.90
J5441-19M	19	2	4	0.94

- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.
- Made of heat-treated alloy steel.
- Polished chrome finsh.



1/2" DRIVE METRIC EXTRA-LONG HEX BIT SOCKETS

METRIC

- Bit holders have a hex opening to hold the bit allowing the bit holder to take the full load of torque.
- Made of heat-treated alloy steel.
- Polished chrome finsh.

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J5441-12MXL	12	5-5/8	7-1/8	0.50
J5441-14MXL	14	5-3/8	7-1/8	0.75
J5441-17MXL	17	5-1/8	7-1/8	1.20



1/2" DRIVE CROWFOOT WRENCHES

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.



Product #	Size (in)	Overall Length (in)	Weight (lbs)
J5330CF	15/16	2-13/16	0.47
J5332CF	1	2-13/16	0.46
J5334CF	1-1/16	2-7/8	0.51
J5336CF	1-1/8	3	0.54
J5338CF	1-3/16	3	0.58
J5340CF	1-1/4	3-5/16	0.66
J5342CF	1-5/16	3-5/16	0.66
J5344CF	1-3/8	3-3/8	0.72
J5346CF	1-7/16	3-3/8	0.75
J5348CF	1-1/2	3-7/16	0.77
J5350CF	1-9/16	3-1/2	0.80
J5352CF	1-5/8	3-1/2	0.83
J5354CF	1-11/16	3-13/16	0.95
J5356CF	1-3/4	3-13/16	0.98
J5358CF	1-13/16	3-7/8	1.01
J5360CF	1-7/8	3-7/8	1.05
J5364CF	2	3-15/16	1.10
J5368CF	2-1/8	4-1/16	1.09
J5372CF	2-1/4	4-3/8	1.27
J5376CF	2-3/8	4-7/16	1.29
J5378CF	2-7/16	4-7/16	1.28
J5380CF	2-1/2	4-1/2	1.25

ASME B107.21

1/2" DRIVE FLARE NUT CROWFOOT WRENCHES

- Designed for speed and safety.
- Special heat-treated alloy steel helps increase strength and durability.
- 12 Point Box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.



Product #	Size (in)	Overall Length (in)	Weight (lbs)
J5336FL	1-1/8	2-13/16	0.19
J5338FL	1-3/16	2-7/8	0.19
J5340FL	1-1/4	3	0.19
J5342FL	1-5/16	3-1/16	0.19
J5344FL	1-3/8	3-5/16	0.25
J5346FL	1-7/16	3-3/8	0.25
J5348FL	1-1/2	3-7/16	0.25
J5350FL	1-9/16	3-9/16	0.31
J5352FL	1-5/8	3-3/4	0.31
J5354FL	1-11/16	3-13/16	0.31
J5356FL	1-3/4	3-7/8	0.38
J5358FL	1-13/16	4	0.38
J5360FL	1-7/8	4-1/4	0.45
J5362FL	1-15/16	4-5/16	0.50
J5364FL	2	4-7/16	0.50

ASME B107.21

3/4" DRIVE 42 PIECE COMBINATION SOCKET SET - 12 AND 6 POINT

Product #: J55106

- 6 Point Deep: 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8 Inch.
- 12 Point Standard: 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8 Inch.
- Accessories: Pear Head Ratchet, 4, 8, and 16 Inch Extensions, Hinge Handle, Universal Joint, Sliding T-Handle, and Metal Box.
- Weight (lbs): 92.35



Contents	Description	ASME Spec.	AS Spec.
J5524	Socket, 3/4" DR 3/4" 12 PT	ASME B107.1	
J5526	Socket, 3/4" DR 13/16" 12 PT	ASME B107.1	
J5528	Socket, 3/4" DR 7/8" 12 PT	ASME B107.1	
J5530	Socket, 3/4" DR 15/16" 12 PT	ASME B107.1	
J5532	Socket, 3/4" DR 1" 12 PT	ASME B107.1	
J5534	Socket, 3/4" DR 1-1/16" 12 PT	ASME B107.1	
J5536	Socket, 3/4" DR 1-1/8" 12 PT	ASME B107.1	
J5538	Socket, 3/4" DR 1-3/16" 12 PT	ASME B107.1	
J5540	Socket, 3/4" DR 1-1/4" 12 PT	ASME B107.1	
J5542	Socket, 3/4" DR 1-5/16" 12 PT	ASME B107.1	
J5544	Socket, 3/4" DR 1-3/8" 12 PT	ASME B107.1	
J5546	Socket, 3/4" DR 1-7/16" 12 PT	ASME B107.1	
J5548	Socket, 3/4" DR 1-1/2" 12 PT	ASME B107.1	
J5550	Socket, 3/4" DR 1-9/16" 12 PT	ASME B107.1	
J5552	Socket, 3/4" DR 1-5/8" 12 PT	ASME B107.1	
J5554	Socket, 3/4" DR 1-11/16" 12 PT	ASME B107.1	
J5556	Socket, 3/4" DR 1-3/4" 12 PT	ASME B107.1	
J5558	Socket, 3/4" DR 1-13/16" 12 PT	ASME B107.1	
J5560	Socket, 3/4" DR 1-7/8" 12 PT	ASME B107.1	
J5564	Socket, 3/4" DR 2" 12 PT	ASME B107.1	
J5568	Socket, 3/4" DR 2-1/8" 12 PT	ASME B107.1	
J5570	Socket, 3/4" DR 2-3/16" 12 PT	ASME B107.1	
J5572	Socket, 3/4" DR 2-1/4" 12 PT	ASME B107.1	
J5576	Socket, 3/4" DR 2-3/8" 12 PT	ASME B107.1	
J5528HL	Socket, 3/4" DR 6 PT Deep 7/8"	ASME B107.1	
J5530HL	Socket, 3/4" DR 6 PT Deep 15/16"	ASME B107.1	
J5532HL	Socket, 3/4" DR 6 PT Deep 1"	ASME B107.1	
J5534HL	Socket, 3/4" DR 6 PT Deep 1-1/16"	ASME B107.1	
J5536HL	Socket, 3/4" DR 6 PT Deep 1-1/8"	ASME B107.1	
J5540HL	Socket, 3/4" DR 6 PT Deep 1-1/4"	ASME B107.1	
J5542HL	Socket, 3/4" DR 6 PT Deep 1-5/16"	ASME B107.1	
J5544HL	Socket, 3/4" DR 6 PT Deep 1-3/8"	ASME B107.1	
J5546HL	Socket, 3/4" DR 6 PT Deep 1-7/16"	ASME B107.1	
J5548HL	Socket, 3/4" DR 8 PT Deep 1-1/2"	ASME B107.1	
J5552HL	Socket, 3/4" DR 6 PT Deep 1-5/8"	ASME B107.1	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5660	Extension, 3/4" DR 4"	ASME B107.500	AS 4283
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5663	Extension, 3/4" DR 16"	ASME B107.500	AS 4283
J5668	Handle, Hinge 3/4" DR 20"	ASME B107.500	AS 4283
J5670	Universal Joint, 3/4" DR 4"	ASME B107.500	AS 4283
J5685	Handle, Sliding T 3/4" DR 20"	ASME B107.500	
J5697	Extra Heavy-Duty Set Box		

3/4" DRIVE 29 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J55104

- 12 Point Standard: 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/8, 2-3/16, 2-1/4, 2-3/8 Inch.
- Accessories: Pear Head Ratchet, 4, 8, and 16 Inch Extensions, 20 Inch Hinge Handle, Universal Joint, Sliding T-Handle, and Metal Box.
- Weight (lbs): 69.40



Contents	Description	ASME Spec.	AS Spec.
J5528	Socket, 3/4" DR 7/8" 12 PT	ASME B107.1	
J5530	Socket, 3/4" DR 15/16" 12 PT	ASME B107.1	
J5532	Socket, 3/4" DR 1" 12 PT	ASME B107.1	
J5534	Socket, 3/4" DR 1-1/16" 12 PT	ASME B107.1	
J5536	Socket, 3/4" DR 1-1/8" 12 PT	ASME B107.1	
J5538	Socket, 3/4" DR 1-3/16" 12 PT	ASME B107.1	
J5540	Socket, 3/4" DR 1-1/4" 12 PT	ASME B107.1	
J5542	Socket, 3/4" DR 1-5/16" 12 PT	ASME B107.1	
J5544	Socket, 3/4" DR 1-3/8" 12 PT	ASME B107.1	
J5546	Socket, 3/4" DR 1-7/16" 12 PT	ASME B107.1	
J5548	Socket, 3/4" DR 1-1/2" 12 PT	ASME B107.1	
J5550	Socket, 3/4" DR 1-9/16" 12 PT	ASME B107.1	
J5552	Socket, 3/4" DR 1-5/8" 12 PT	ASME B107.1	
J5554	Socket, 3/4" DR 1-11/16" 12 PT	ASME B107.1	
J5556	Socket, 3/4" DR 1-3/4" 12 PT	ASME B107.1	
J5558	Socket, 3/4" DR 1-13/16" 12 PT	ASME B107.1	
J5560	Socket, 3/4" DR 1-7/8" 12 PT	ASME B107.1	
J5564	Socket, 3/4" DR 2" 12 PT	ASME B107.1	
J5568	Socket, 3/4" DR 2-1/8" 12 PT	ASME B107.1	
J5570	Socket, 3/4" DR 2-3/16" 12 PT	ASME B107.1	
J5572	Socket, 3/4" DR 2-1/4" 12 PT	ASME B107.1	
J5576	Socket, 3/4" DR 2-3/8" 12 PT	ASME B107.1	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5660	Extension, 3/4" DR 4"	ASME B107.500	AS 4283
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5663	Extension, 3/4" DR 16"	ASME B107.500	AS 4283
J5668	Handle, Hinge 3/4" DR 20"	ASME B107.500	AS 4283
J5670	Universal Joint, 3/4" DR 4"	ASME B107.500	AS 4283
J5685	Handle, Sliding T 3/4" DR 20"	ASME B107.500	
J5696	Extra Heavy-Duty Set Box		

3/4" DRIVE 28 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J55202

- 12 Point Standard: 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 35, 36, 38, 41, 42, 46, 50, 54, 55, 58, 60 mm.
- Accessories: Pear Head Ratchet, 4 and 8 Inch Extensions, 20 Inch Hinge Handle, Universal Joint, Sliding T-Handle, and Metal Box.
- Weight (lbs): 67.48



Contents	Description	ASME Spec.	AS Spec.
J5521M	Socket, 3/4" DR 21 mm 12 PT	ASME B107.5M	
J5522M	Socket, 3/4" DR 22 mm 12 PT	ASME B107.5M	
J5523M	Socket, 3/4" DR 23 mm 12 PT	ASME B107.5M	
J5524M	Socket, 3/4" DR 24 mm 12 PT	ASME B107.5M	
J5525M	Socket, 3/4" DR 25 mm 12 PT	ASME B107.5M	
J5526M	Socket, 3/4" DR 26 mm 12 PT	ASME B107.5M	
J5527M	Socket, 3/4" DR 27 mm 12 PT	ASME B107.5M	
J5528M	Socket, 3/4" DR 28 mm 12 PT	ASME B107.5M	
J5529M	Socket, 3/4" DR 29 mm 12 PT	ASME B107.5M	
J5530M	Socket, 3/4" DR 30 mm 12 PT	ASME B107.5M	
J5532M	Socket, 3/4" DR 32 mm 12 PT	ASME B107.5M	
J5535M	Socket, 3/4" DR 35 mm 12 PT	ASME B107.5M	
J5536M	Socket, 3/4" DR 36 mm 12 PT	ASME B107.5M	
J5538M	Socket, 3/4" DR 38 mm 12 PT	ASME B107.5M	
J5541M	Socket, 3/4" DR 41 mm 12 PT	ASME B107.5M	
J5542M	Socket, 3/4" DR 42 mm 12 PT	ASME B107.5M	
J5546M	Socket, 3/4" DR 46 mm 12 PT	ASME B107.5M	
J5550M	Socket, 3/4" DR 50 mm 12 PT	ASME B107.5M	
J5554M	Socket, 3/4" DR 54 mm 12 PT	ASME B107.5M	
J5555M	Socket, 3/4" DR 55 mm 12 PT	ASME B107.5M	
J5558M	Socket, 3/4" DR 58 mm 12 PT	ASME B107.5M	
J5560M	Socket, 3/4" DR 60 mm 12 PT	ASME B107.5M	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5660	Extension, 3/4" DR 4"	ASME B107.500	AS 4283
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5668	Handle, Hinge 3/4" DR 20"	ASME B107.500	AS 4283
J5670	Universal Joint, 3/4" DR 4"	ASME B107.500	AS 4283
J5685	Handle, Sliding T 3/4" DR 20"	ASME B107.500	
J5696	Extra Heavy-Duty Set Box		

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/4" DRIVE 20 PIECE SOCKET SET - 12 POINT

Product #: J55102

- 12 Point Standard: 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-3/4, 1-13/16, 1-7/8, 2 Inch.
- Accessories: Pear Head Ratchet, 8 and 16 Inch Extensions, 20 Inch Hinge Handle, Sliding T-Handle, and Metal Box.
- Weight (lbs): 57.12



Contents	Description	ASME Spec.	AS Spec.
J5528	Socket, 3/4" DR 7/8" 12 PT	ASME B107.1	
J5530	Socket, 3/4" DR 15/16" 12 PT	ASME B107.1	
J5532	Socket, 3/4" DR 1" 12 PT	ASME B107.1	
J5534	Socket, 3/4" DR 1-1/16" 12 PT	ASME B107.1	
J5536	Socket, 3/4" DR 1-1/8" 12 PT	ASME B107.1	
J5540	Socket, 3/4" DR 1-1/4" 12 PT	ASME B107.1	
J5542	Socket, 3/4" DR 1-5/16" 12 PT	ASME B107.1	
J5544	Socket, 3/4" DR 1-3/8" 12 PT	ASME B107.1	
J5546	Socket, 3/4" DR 1-7/16" 12 PT	ASME B107.1	
J5548	Socket, 3/4" DR 1-1/2" 12 PT	ASME B107.1	
J5552	Socket, 3/4" DR 1-5/8" 12 PT	ASME B107.1	
J5556	Socket, 3/4" DR 1-3/4" 12 PT	ASME B107.1	
J5558	Socket, 3/4" DR 1-13/16" 12 PT	ASME B107.1	
J5560	Socket, 3/4" DR 1-7/8" 12 PT	ASME B107.1	
J5564	Socket, 3/4" DR 2" 12 PT	ASME B107.1	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5663	Extension, 3/4" DR 16"	ASME B107.500	AS 4283
J5668	Handle, Hinge 3/4" DR 20"	ASME B107.500	AS 4283
J5685	Handle, Sliding T 3/4" DR 20"	ASME B107.500	
J5696	Extra Heavy-Duty Set Box		

3/4" DRIVE 19 PIECE METRIC SOCKET SET - 12 POINT

METRIC

Product #: J55200



- 12 Point Standard: 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 36, 38, 41, 42, 46 mm.
- Accessories: Pear Head Ratchet, 8 and 16 Inch Extensions, 20 Inch Hinge Handle, and Metal Box.
- Weight (lbs): 39.60

Contents	Description	ASME Spec.	AS Spec.
J5524M	Socket, 3/4" DR 24 mm 12 PT	ASME B107.5M	
J5525M	Socket, 3/4" DR 25 mm 12 PT	ASME B107.5M	
J5526M	Socket, 3/4" DR 26 mm 12 PT	ASME B107.5M	
J5527M	Socket, 3/4" DR 27 mm 12 PT	ASME B107.5M	
J5528M	Socket, 3/4" DR 28 mm 12 PT	ASME B107.5M	
J5529M	Socket, 3/4" DR 29 mm 12 PT	ASME B107.5M	
J5530M	Socket, 3/4" DR 30 mm 12 PT	ASME B107.5M	
J5531M	Socket, 3/4" DR 31 mm 12 PT	ASME B107.5M	
J5532M	Socket, 3/4" DR 32 mm 12 PT	ASME B107.5M	
J5535M	Socket, 3/4" DR 35 mm 12 PT	ASME B107.5M	
J5536M	Socket, 3/4" DR 36 mm 12 PT	ASME B107.5M	
J5538M	Socket, 3/4" DR 38 mm 12 PT	ASME B107.5M	
J5541M	Socket, 3/4" DR 41 mm 12 PT	ASME B107.5M	
J5542M	Socket, 3/4" DR 42 mm 12 PT	ASME B107.5M	
J5546M	Socket, 3/4" DR 46 mm 12 PT	ASME B107.5M	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5663	Extension, 3/4" DR 16"	ASME B107.500	AS 4283
J5668	Handle, Hinge 3/4" DR 20"	ASME B107.500	AS 4283
J5695	Extra Heavy-Duty Set Box		

3/4" DRIVE 13 PIECE SOCKET SET - 12 POINT

Product #: J55100



- 12 Point Standard: 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, and 1-1/2 Inch.
- Accessories: Pear Head Ratchet, 8 Inch Extension, and Metal Box.
- Weight (lbs): 27.97

Contents	Description	ASME Spec.	AS Spec.
J5528	Socket, 3/4" DR 7/8" 12 PT	ASME B107.1	
J5530	Socket, 3/4" DR 15/16" 12 PT	ASME B107.1	
J5532	Socket, 3/4" DR 1" 12 PT	ASME B107.1	
J5534	Socket, 3/4" DR 1-1/16" 12 PT	ASME B107.1	
J5536	Socket, 3/4" DR 1-1/8" 12 PT	ASME B107.1	
J5538	Socket, 3/4" DR 1-3/16" 12 PT	ASME B107.1	
J5540	Socket, 3/4" DR 1-1/4" 12 PT	ASME B107.1	
J5542	Socket, 3/4" DR 1-5/16" 12 PT	ASME B107.1	
J5544	Socket, 3/4" DR 1-3/8" 12 PT	ASME B107.1	
J5546	Socket, 3/4" DR 1-7/16" 12 PT	ASME B107.1	
J5548	Socket, 3/4" DR 1-1/2" 12 PT	ASME B107.1	
J5649	Ratchet, 3/4" DR Standard Length Classic Pear Head 20"	ASME B107.500	
J5661	Extension, 3/4" DR 8"	ASME B107.500	AS 4283
J5694	Extra Heavy-Duty Set Box		



3/4" DRIVE STANDARD LENGTH CLASSIC PEAR HEAD RATCHETS

- Robust 24-tooth gear/floating pawl design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5649	3/4	Full Polish	20	6.00	J5649RK
J5649BL	3/4	Black Oxide	20	6.00	J5649RK

ASME B107.500

3/4" DRIVE FEMALE DRIVE RATCHET

- Robust 24-tooth gear design provides 15° ratcheting angle while maximizing torque.
- Thin head design for access into tight work spaces.
- Reversing lever designed for quick, one-hand operation.
- Satin finish.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5649FW	3/4	Satin	20	5.62	J5649FWRK

ASME B107.500

3/4" DRIVE RATCHET ADAPTERS

- Converts standard handles to ratcheting handles.
- Made from alloy steel.
- Heat-treated for strength and durability.
- Chrome plated.
- Male/Female.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5647	3/4	Full Polish	3-3/4	2.38

ASME B107.500

3/4" DRIVE HINGE HANDLES

- The head can flex plus or minus 90° from horizontal.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5668	3/4	Full Polish	20	4.32`
J5668BL	3/4	Black Oxide	20	4.41

ASME B107.500

3/4" DRIVE SLIDING T-HANDLE

- Made from alloy steel.
- Heat-treated for strength and durability.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5685	3/4	Full Polish	20	2.95

ASME B107.500

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components



3/4" DRIVE ELL HANDLE

- Satin finish.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5686	3/4	Satin	16	3.96



3/4" DRIVE STANDARD EXTENSIONS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5660	3/4	Full Polish	4	0.88
J5661	3/4	Full Polish	8	1.80
J5663	3/4	Full Polish	16	2.36

ASME B107.500



3/4" DRIVE DRIVE ADAPTERS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5653	1/2	Full Polish	1-11/16	0.24
J5453	1/2	Full Polish	1-7/8	0.39
J5853	1	Full Polish	2-1/2	0.82
J5854	1	Full Polish	2-7/8	1.27

ASME B107.500



3/4" DRIVE UNIVERSAL JOINT

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5670	3/4	Full Polish	4	1.03

ASME B107.500



3/4" DRIVE DEEP SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- Made from alloy steel.
- Heat-treated for strength and durability.
- Hand use only,
- Ball detent design.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5528HL	7/8	1-3/8	1-3/8	9/16	2-9/16	3-1/2	0.91
J5530HL	15/16	1-7/16	1-7/16	9/16	2-9/16	3-1/2	0.80
J5532HL	1	1-1/2	1-1/2	5/8	2-9/16	3-1/2	1.11
J5534HL	1-1/16	1-9/16	1-7/16	11/16	2-9/16	3-1/2	0.97
J5536HL	1-1/8	1-19/32	1-1/2	25/32	2-3/8	3-1/2	1.12
J5540HL	1-1/4	1-13/16	1-21/32	13/16	2-11/32	3-1/2	1.28
J5542HL	1-5/16	1-55/64	1-21/32	27/32	2-19/64	3-1/2	1.32
J5544HL	1-3/8	1-55/64	1-21/32	29/32	2-9/32	3-1/2	1.64
J5546HL	1-7/16	2-1/16	1-21/32	61/64	2-1/4	3-1/2	1.65
J5548HL	1-1/2	2-1/16	1-1/32	1	2-1/4	3-1/2	1.65
J5552HL	1-5/8	2-1/4	1-3/4	1-7/64	2-13/64	3-1/2	1.52

ASME B107.1

3/4" DRIVE SOCKETS - 12 POINT

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- Ball detent design.
- Made of heat-treated alloy steel.
- Side locking hole.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

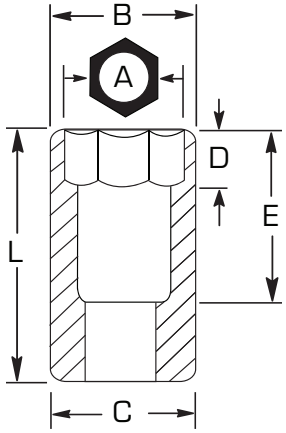


Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5524	3/4	1-5/16	1-5/16	19/32	1-1/16	2	0.35
J5526	13/16	1-5/16	1-5/16	21/32	1-1/16	2	0.36
J5528	7/8	1-5/16	1-5/16	45/64	1-1/16	2	0.46
J5530	15/16	1-7/16	1-7/16	3/4	1-1/16	2	0.51
J5532	1	1-1/2	1-1/2	3/4	1-1/16	2	0.56
J5534	1-1/16	1-37/64	1-37/64	3/4	1-1/16	2	0.61
J5536	1-1/8	1-37/64	1-15/32	25/32	1	2-7/32	0.72
J5538	1-3/16	1-37/64	1-15/32	25/32	1	2-7/32	0.61
J5540	1-1/4	1-13/16	1-19/32	13/16	1-5/32	2-15/64	0.87
J5542	1-5/16	1-7/8	1-19/32	27/32	1-5/32	2-9/32	0.89
J5544	1-3/8	1-7/8	1-5/8	29/32	1-5/32	2-9/32	0.84
J5546	1-7/16	2-3/64	1-5/8	61/64	1-1/4	2-13/32	1.07
J5548	1-1/2	2-3/64	1-5/8	1	1-1/4	2-13/32	0.94
J5550	1-9/16	2-3/16	1-23/32	1-3/64	1-15/16	2-5/8	0.97
J5552	1-5/8	2-15/64	1-3/4	1-7/64	1-15/16	2-5/8	1.03
J5554	1-11/16	2-3/8	1-3/4	1-5/32	1-15/32	2-3/4	1.14
J5556	1-3/4	2-3/8	1-3/4	1-13/64	1-15/32	2-3/4	1.30
J5558	1-13/16	2-9/16	1-3/4	1-1/4	1-39/64	2-29/32	1.41
J5560	1-7/8	2-9/16	1-3/4	1-19/64	1-39/64	2-31/32	1.55
J5564	2	2-47/64	2	1-3/4	1-3/4	3-7/64	1.59
J5566	2-1/16	2-49/64	2-1/32	1-3/4	1-3/4	3-5/32	1.60
J5568	2-1/8	2-61/64	2-3/32	1-13/16	1-13/16	3-9/32	1.64
J5570	2-3/16	2-61/64	2-3/32	1-13/16	2-5/32	3-9/32	1.90
J5572	2-1/4	3-17/64	2-3/32	1-61/64	2-3/16	3-13/32	1.91
J5576	2-3/8	3-17/64	2-29/64	2-1/8	2-3/16	3-43/64	2.28

ASME B107.1

FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



3/4" DRIVE METRIC SOCKETS - 12 POINT

METRIC



- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- Ball detent design.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5519M	19	1-1/8	1-19/64	9/16	1-5/16	2	0.36
J5520M	20	1-3/16	1-19/64	9/16	1-5/16	2	0.37
J5521M	21	1-17/64	1-19/64	9/16	1-5/16	2	0.40
J5522M	22	1-5/16	1-19/64	9/16	1-5/16	2	0.41
J5523M	23	1-13/32	1-13/32	9/16	1-5/16	2	0.52
J5524M	24	1-7/16	1-7/16	9/16	1-5/16	2	0.41
J5525M	25	1-31/64	1-31/64	5/8	1-5/16	2	0.60
J5526M	26	1-1/2	1-1/2	5/8	1-5/16	2	0.59
J5527M	27	1-35/64	1-35/64	11/16	1-5/16	2	0.62
J5528M	28	1-19/32	1-31/64	3/4	1-5/16	2-7/32	0.64
J5529M	29	1-19/32	1-31/64	49/64	1-5/16	2-7/32	0.65
J5530M	30	1-19/32	1-31/64	49/64	1-5/16	2-7/32	0.63
J5531M	31	1-47/64	1-47/64	13/16	1-5/16	2-7/32	0.72
J5532M	32	1-25/32	1-31/64	13/16	1-5/16	2-7/32	0.78
J5535M	35	1-55/64	1-19/32	1-5/32	1-5/16	2-9/32	0.87
J5536M	36	2-3/64	1-19/32	1-15/64	1-5/16	2-13/32	1.09
J5538M	38	2-3/64	1-19/32	1-15/64	1-5/16	2-13/32	1.04
J5541M	41	2-15/64	1-23/32	1-9/32	1-5/16	2-39/64	1.06
J5542M	42	2-23/64	1-23/32	1-15/32	1-5/16	2-23/32	1.06
J5546M	46	2-37/64	1-25/32	1-39/64	1-5/16	2-31/32	1.45
J5550M	50	2-49/64	2-1/32	1-47/64	1-5/16	3-5/32	2.39
J5554M	54	2-15/16	2-3/32	1-3/8	1-5/16	3-9/32	1.97
J5555M	55	2-15/16	2-3/32	1-13/16	1-5/16	3-9/32	2.64
J5558M	58	3-9/64	2-3/32	1-61/64	1-5/16	3-13/32	2.99
J5560M	60	3-17/64	2-17/32	2-1/8	1-5/16	3-21/32	2.27

ASME B107.5M

3/4" DRIVE SOCKETS - SPLINE



- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 pt. wrenches on double box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5524SPL	3/4	#24	1-3/64	1-3/8	5/8	9/16	1-5/8	0.30
J5526SPL	13/16	#26	1-3/16	1-3/8	5/8	9/16	1-5/8	0.36
J5528SPL	7/8	#28	1-5/16	1-3/8	3/4	11/16	1-11/16	0.33
J5530SPL	15/16	#30	1-3/8	1-3/8	3/4	3/4	1-7/8	0.36
J5532SPL	1	#32	1-7/16	1-7/16	13/16	1-1/8	1-15/16	0.45
J5534SPL	1-1/16	#34	1-1/2	1-1/2	7/8	1-3/32	1-31/32	0.53

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1" DRIVE 29 PIECE SOCKET SET - 12 POINT

Product #: J57104



- 12 Point Standard: 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-13/16, 1-7/8, 2, 2-3/16, 2-1/4, 2-3/8, 2-1/2, 2-9/16, 2-5/8, 2-3/4, 2-15/16, 3, 3-1/8, 3-1/2 Inch.
- Accessories: Pear Head Ratchet, 8 and 17 Inch Extensions, 28-1/2 Inch Sliding T-Handle, Sliding Plug, and Metal Box.
- Weight (lbs): 135.50

Contents	Description	ASME Spec.	AS Spec.
J5734	Socket, 1" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5736	Socket, 1" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5738	Socket, 1" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5740	Socket, 1" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5742	Socket, 1" DR 1-5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5744	Socket, 1" DR 1-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5746	Socket, 1" DR 1-7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5748	Socket, 1" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5752	Socket, 1" DR 1-5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5758	Socket, 1" DR 1-13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5760	Socket, 1" DR 1-7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5764	Socket, 1" DR 2" 12 PT	ASME B107.1	AS954E S3.8.1
J5770	Socket, 1" DR 2-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5772	Socket, 1" DR 2-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5776	Socket, 1" DR 2-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5780	Socket, 1" DR 2-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5782	Socket, 1" DR 2-9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5784	Socket, 1" DR 2-5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5788	Socket, 1" DR 2-3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5794	Socket, 1" DR 2-15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5796	Socket, 1" DR 3" 12 PT	ASME B107.1	AS954E S3.8.1
J5800	Socket, 1" DR 3-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5812	Socket, 1" DR 3-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5849	Ratchet, 1" DR Classic Pear Head 26"	ASME B107.500	
J5861	Extension, 1" DR 8"	ASME B107.500	AS 4283
J5863	Extension, 1" DR 17"	ASME B107.500	AS 4283
J5868	Handle, Hinge 1" DR 27"	ASME B107.500	AS 4283
J5884	Handle, Sliding T 1" DR 28-1/2"	ASME B107.500	
J5885	Sliding Drive Plug 1" DR	ASME B107.500	
J5896	Super Heavy-Duty Set Box		

1" DRIVE 22 PIECE SOCKET SET - 12 POINT

Product #: J57102



- 12 Point Standard: 1-1/2, 1-5/8, 1-13/16, 1-7/8, 2, 2-3/16, 2-1/4, 2-3/8, 2-1/2, 2-9/16, 2-5/8, 2-3/4, 2-15/16, 3, 3-1/8, 3-1/2 Inch.
- Accessories: Male/Female Ratchet, 8 and 17 Inch Extensions, 27 Inch Hinge Handle, 28-1/2 Inch Sliding T-Handle, Sliding Plug, and Metal Box.
- Weight (lbs): 129.50

Contents	Description	ASME Spec.	AS Spec.
J5748	Socket, 1" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5752	Socket, 1" DR 1-5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5758	Socket, 1" DR 1-13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5760	Socket, 1" DR 1-7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5764	Socket, 1" DR 2" 12 PT	ASME B107.1	AS954E S3.8.1
J5770	Socket, 1" DR 2-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5772	Socket, 1" DR 2-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5776	Socket, 1" DR 2-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5780	Socket, 1" DR 2-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5782	Socket, 1" DR 2-9/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5784	Socket, 1" DR 2-5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5788	Socket, 1" DR 2-3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5794	Socket, 1" DR 2-15/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5796	Socket, 1" DR 3" 12 PT	ASME B107.1	AS954E S3.8.1
J5800	Socket, 1" DR 3-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5812	Socket, 1" DR 3-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5849	Ratchet, 1" DR Classic Pear Head 26"	ASME B107.500	
J5861	Extension, 1" DR 8"	ASME B107.500	AS 4283
J5863	Extension, 1" DR 17"	ASME B107.500	AS 4283
J5868	Handle, Hinge 1" DR 27"	ASME B107.500	AS 4283
J5884	Handle, Sliding T 1" DR 28-1/2"	ASME B107.500	
J5885	Sliding Drive Plug 1" DR	ASME B107.500	
J5896	Super Heavy-Duty Set Box		

1" DRIVE 17 PIECE SOCKET SET - 12 POINT

Product #: J57100



- 12 Point Standard: 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2 Inch.
- Accessories: Pear Head Ratchet, 8 Inch Extension, 27 Inch Hinge Handle, and Metal Box.
- Weight (lbs): 65.50

Contents	Description	ASME Spec.	AS Spec.
J5734	Socket, 1" DR 1-1/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5736	Socket, 1" DR 1-1/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5738	Socket, 1" DR 1-3/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5740	Socket, 1" DR 1-1/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5742	Socket, 1" DR 1-5/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5744	Socket, 1" DR 1-3/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5746	Socket, 1" DR 1-7/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5748	Socket, 1" DR 1-1/2" 12 PT	ASME B107.1	AS954E S3.8.1
J5752	Socket, 1" DR 1-5/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5754	Socket, 1" DR 1-11/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5756	Socket, 1" DR 1-3/4" 12 PT	ASME B107.1	AS954E S3.8.1
J5758	Socket, 1" DR 1-13/16" 12 PT	ASME B107.1	AS954E S3.8.1
J5760	Socket, 1" DR 1-7/8" 12 PT	ASME B107.1	AS954E S3.8.1
J5764	Socket, 1" DR 2" 12 PT	ASME B107.1	AS954E S3.8.1
J5849	Ratchet, 1" DR Classic Pear Head 26"	ASME B107.500	
J5861	Extension, 1" DR 8"	ASME B107.500	AS 4283
J5868	Handle, Hinge 1" DR 27"	ASME B107.500	AS 4283
J5894	Super Heavy-Duty Set Box		



1" DRIVE STANDARD LENGTH CLASSIC PEAR HEAD RATCHET - MALE/FEMALE

- An extra safety factor is provided through the use of a spring-loaded pellet in each male drive plug that snaps into a hole in the drive end of the socket and acts as a retaining pin. The socket stays locked on until the pellet is depressed and the socket is removed.
- Robust 24-tooth gear design provides 15° ratcheting angle while maximizing ultimate torque.
- Thin head design for access into tight work areas.
- Reversing lever designed for quick, one-hand operation.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)	Repair Kit
J5849	1	Full Polish	26	13.02	J5849RK

ASME B107.500

1" DRIVE MALE PLUG

- Replacement square drive for J5849.
- J5849 male ratchet easily converts to a female ratchet by removing the male plug.



Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5852	1	Black Oxide	2-19/32	0.72

1" DRIVE HINGE HANDLE

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5868	1	Full Polish	27	7.56

ASME B107.500



1" DRIVE BAR HANDLE AND SLIDING DRIVE PLUG

- Made from alloy steel.
- Heat-treated for strength and durability.

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5884	1	Full Polish	28-1/2	6.30
J5885	1	Full Polish	3	1.20

ASME B107.500





1" DRIVE STANDARD EXTENSIONS

Product #	Drive Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5861	1	Full Polish	8	2.88
J5863	1	Full Polish	17	4.87

ASME B107.500



1" DRIVE ADAPTERS

Product #	Size (in)	Finish	Overall Length (in)	Weight (lbs)
J5853	3/4" F x 1" M	Full Polish	2-1/2	0.82
J5854	1" F x 3/4" M	Full Polish	2-7/8	1.27

ASME B107.500



1" DRIVE SOCKETS - 12 POINT

- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5734	1-1/16	1-41/64	1-29/32	3/4	1	2-7/16	0.96
J5736	1-1/8	1-41/64	1-29/32	3/4	1	2-7/16	0.91
J5738	1-3/16	1-45/64	1-29/32	7/8	1-1/8	2-7/16	0.91
J5740	1-1/4	1-29/32	1-29/32	7/8	1-1/8	2-1/2	0.82
J5742	1-5/16	2-1/32	2-1/32	7/8	1-5/32	2-21/32	1.39
J5744	1-3/8	2-1/32	2-1/32	1	1-1/4	2-21/32	0.90
J5746	1-7/16	2-1/4	2-1/32	1	1-19/64	2-3/4	0.92
J5748	1-1/2	2-1/4	2-1/32	1	1-19/64	2-3/4	1.53
J5752	1-5/8	2-3/8	2-5/32	1	1-7/8	3-1/4	1.18
J5754	1-11/16	2-3/8	2-5/32	1	1-7/8	3-1/4	1.89
J5756	1-3/4	2-3/8	2-5/32	1	1-25/32	3-1/4	2.07
J5758	1-13/16	2-1/2	2-5/32	1-1/8	1-7/8	3-5/16	2.03
J5760	1-7/8	2-11/16	2-13/32	1-1/4	1-61/64	3-5/16	2.10
J5764	2	2-11/16	2-13/32	1-3/8	1-61/64	3-7/16	2.37
J5766	2-1/16	2-11/16	2-13/32	1-3/8	1-61/64	3-1/2	2.69
J5768	2-1/8	2-15/16	2-13/32	1-3/8	2-1/16	3-5/8	2.96
J5770	2-3/16	3-5/64	2-13/32	1-3/8	2-5/32	3-3/4	3.03
J5772	2-1/4	3-5/64	2-13/32	1-1/2	2-1/4	3-13/16	3.23
J5774	2-5/16	3-1/4	2-13/32	1-14/16	2-1/8	3-17/64	3.08
J5776	2-3/8	3-17/64	2-13/32	1-1/2	2-11/32	4	3.08
J5778	2-7/16	3-17/64	2-13/32	1-11/16	2-11/32	3-13/32	3.20
J5780	2-1/2	3-37/64	2-21/32	1-5/8	2-27/64	4-1/8	3.33
J5782	2-9/16	3-37/64	2-21/32	1-5/8	2-27/64	4-1/8	3.22
J5784	2-5/8	3-37/64	2-21/32	2-3/8	2-3/8	4-1/8	3.70
J5788	2-3/4	1-13/16	2-21/32	1-3/4	2-21/32	4-7/16	4.82
J5794	2-15/16	4-9/64	3-5/32	1-7/8	2-27/32	4-11/16	5.05
J5796	3	4-9/64	3-5/32	1-53/64	3-1/32	4-11/16	5.61
J5800	3-1/8	4-3/8	3-5/32	2	3-1/32	4-15/16	5.95
J5812	3-1/2	4-11/16	3-5/32	2-1/4	3-1/8	5-1/8	9.11

AS954E S3.8.1 ASME B107.1

1" DRIVE METRIC SOCKETS - 12 POINT



METRIC

- TorquePlus™ features apply.

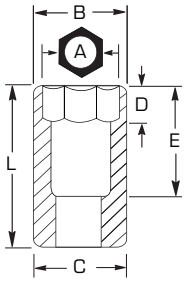
TORQUEPLUS FASTENING SYSTEM

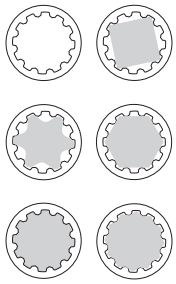
Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5735MT	35	1-15/16	1-3/4	1	1-5/16	2-7/16	0.93
J5736MT	36	2	1-3/4	1-1/16	1-3/8	2-1/2	0.98
J5738MT	38	2-1/8	1-3/4	1-1/16	1-3/8	2-9/16	1.05
J5741MT	41	2-1/4	1-3/4	1-1/4	1-9/16	2-11/16	1.20
J5746MT	46	2-9/16	1-15/16	1-3/8	1-11/16	2-14/16	1.81
J5750MT	50	2-3/4	2-1/4	1-9/16	1-7/8	3	2.38
J5754MT	54	2-15/16	2-1/4	1-9/16	1-7/8	2-1/16	2.63
J5755MT	55	3	2-5/16	1-13/16	2-1/8	3-1/4	2.79
J5758MT	58	3-3/16	2-1/4	1-13/16	2-1/8	3-1/4	3.12
J5760MT	60	3-1/4	2-1/4	1-7/8	2-3/16	3-5/16	3.22
J5763MT	63	3-3/8	2-1/4	2	2-5/16	3-7/16	3.28
J5765MT	65	3-3/8	2-1/4	2-1/16	2-3/8	3-1/2	3.27
J5770MT	70	3-3/4	2-11/16	2-1/4	2-1/2	3-13/16	4.81
J5771MT	71	3-13/16	2-11/16	2-1/4	2-1/2	3-13/16	4.99
J5774MT	74	3-15/16	2-11/16	2-1/4	2-9/16	3-7/8	5.28
J5775MT	75	3-15/16	2-11/16	2-1/4	2-9/16	3-7/8	5.10
J5777MT	77	4	2-11/16	2-1/4	2-7/8	4-3/16	5.10
J5780MT	80	4-3/16	2-11/16	2-1/4	2-7/8	4-3/16	5.82

FEATURES AND BENEFITS —

TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.





1" DRIVE SOCKETS - SPLINE



- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high-strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 point wrenches on double-box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.

Product #	Size (in) (A)	Spline Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J5732SPL	1	#32	1-1/2	1-7/8	7/8	1-1/4	2-7/16	0.82
J5734SPL	1-1/16	#34	1-1/2	1-7/8	7/8	1-1/4	2-1/2	0.91
J5736SPL	1-1/8	#36	1-5/8	2	1	1-3/8	2-1/2	1.00
J5738SPL	1-3/16	#38	1-11/16	2	1-3/16	1-5/8	2-3/4	1.09
J5740SPL	1-1/4	#40	1-11/15	2	1-3/16	1-5/8	2-3/4	1.18
J5742SPL	1-5/16	#42	1-7/8	2	1-3/16	1-3/4	2-7/8	1.27
J5744SPL	1-3/8	#44	2	2	1-3/16	1-3/4	3	1.37
J5746SPL	1-7/16	#46	2	2	1-1/4	1-15/16	3	1.46
J5748SPL	1-1/2	#48	2-1/8	2-1/8	1-5/16	2	3	1.55

FACOM® INSULATED RATCHETS

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.151AVSE	1/4	4-7/8	0.28
FT-J.151AVSE	3/8	7	0.53
FT-S.151AVSE	1/2	10-3/8	1.24



FACOM® INSULATED T-HANDLES

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-J.121AVSE	3/8	8	0.85
FT-S.121AVSE	1/2	8-17/64	1.15



FACOM® INSULATED EXTENSIONS

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.210AVSE	1/4	4-9/16	0.12
FT-J.210AVSE	3/8	5-29/32	0.33
FT-J.215AVSE	3/8	10-15/64	0.64
FT-S.210AVSE	1/2	5-45/64	0.55
FT-S.215AVSE	1/2	10-7/16	1.04



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 1/4" DRIVE 10 PIECE METRIC INSULATED SOCKET SET - 6 POINT

Product #: FC-R.400AVSE

FACOM METRIC



- 1000V AC and 1500DC Insulated Socket Set
- Sockets: 6-12 mm
- Hex Bit Sockets: 4-6 mm
- Metric Size: Sockets: 6, 7, 8, 10, 12 mm
- Accessories: Ratchet and 4-9/16 Inch Extension.
- Weight (lbs): 1.47

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4 DR 1000V AC 4 mm 6 PT
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V AC 5 mm 6 PT
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V AC 6 mm 6 PT
FM-R.6AVSE	Socket, 1/4" DR 1000V AC 6 mm 6 PT
FM-R.7AVSE	Socket, 1/4" DR 1000V AC 7 mm 6 PT
FM-R.8AVSE	Socket, 1/4" DR 1000V AC 8 mm 6 PT
FM-R.10AVSE	Socket, 1/4" DR 1000V AC 10 mm 6 PT
FM-R.12AVSE	Socket, 1/4" DR 1000V AC 12 mm 6 PT
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-9/16"

FACOM® 1/4" DRIVE INSULATED RATCHET

FACOM



- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.

Product #	Overall Length (in) (L)	Weight (lbs)
FT-R.151AVSE	4-7/8	0.28

FACOM® 1/4" DRIVE INSULATED EXTENSION

FACOM



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.210AVSE	4-1/2	4-9/16	0.12

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

FACOM® 1/4" DRIVE INSULATED SOCKETS - 6 POINT

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-R.6AVSE	6	5/8	55/64	55/64	0.04
FM-R.7AVSE	7	43/64	55/64	55/64	0.04
FM-R.8AVSE	8	43/64	55/64	55/64	0.04
FM-R.10AVSE	10	45/64	55/64	55/64	0.06
FM-R.12AVSE	12	55/64	55/64	55/64	0.07

FACOM® 1/4" DRIVE INSULATED HEX BIT SOCKETS

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.

Product #	Size (mm)	Overall Length (in) (L)	Weight (lbs)
FM-RT.4AVSE	4	1-29/64	0.05
FM-RT.5AVSE	5	1-29/64	0.06
FM-RT.6AVSE	6	1-29/64	0.06



FACOM® 3/8" DRIVE 17 PIECE INSULATED SOCKET SET - 12 POINT

Product #: FC-J.401AVSE

- 1000V AC and 1500DC Insulated Socket Set
- Hex Bit Sockets: 4,5,6,7,8 mm
- Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- Accessories: Ratchet, T-Handle, and Extension.Weight (lbs): 4.96

Contents	Description
FM-JT.4AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 4 mm
FM-JT.5AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 5 mm
FM-JT.6AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 6 mm
FM-JT.7AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 7 mm
FM-JT.8AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 8 mm
FM-J.8AVSE	Socket, 3/8" DR 1000V VSE 8 mm
FM-J.10AVSE	Socket, 3/8" DR 1000V VSE 10 mm
FM-J.11AVSE	Socket, 3/8" DR 1000V VSE 11 mm
FM-J.12AVSE	Socket, 3/8" DR 1000V VSE 12 mm
FM-J.13AVSE	Socket, 3/8" DR 1000V VSE 13 mm
FM-J.14AVSE	Socket, 3/8" DR 1000V VSE 14 mm
FM-J.15AVSE	Socket, 3/8" DR 1000V VSE 15 mm
FM-J.17AVSE	Socket, 3/8" DR 1000V VSE 17 mm
FM-J.19AVSE	Socket, 3/8" DR 1000V VSE 19 mm
FT-J.121AVSE	T-Handle, 3/8" DR 1000V VSE
FT-J.151AVSE	Ratchet, 3/8" DR 1000V VSE 7"
FT-J.210AVSE	Extension, 3/8" DR 1000V VSE 5-29/32"



FACOM® 3/8" DRIVE INSULATED RATCHET

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation -color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-J.151AVSE	4-7/8	7	0.53

FACOM® 3/8" DRIVE INSULATED T-HANDLE

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.



Product #	Overall Length (in) (L)	Weight (lbs)
FT-J.121AVSE	8	0.85

FACOM® 3/8" DRIVE INSULATED EXTENSIONS

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-J.210AVSE	5-7/8	5-29/32	0.33
FT-J.215AVSE	10-1/4	10-15/64	0.64

FACOM® 3/8" DRIVE METRIC INSULATED SOCKETS - 12 POINT

- For manual use.
- For working on live components up to 1000V AC and 1500DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8AVSE	8	43/64	45/64	1-11/16	0.08
FM-J.10AVSE	10	25/32	45/64	1-11/16	0.08
FM-J.11AVSE	11	53/64	45/64	1-13/16	0.08
FM-J.12AVSE	12	55/64	45/64	1-13/16	0.09
FM-J.13AVSE	13	29/32	45/64	1-13/16	0.10
FM-J.14AVSE	14	63/64	45/64	1-13/16	0.10
FM-J.15AVSE	15	63/64	45/64	1-13/16	0.11
FM-J.16AVSE	16	1-1/16	45/64	1-13/16	0.13
FM-J.17AVSE	17	1-1/16	45/64	1-13/16	0.15
FM-J.18AVSE	18	1-9/64	45/64	1-13/16	0.16
FM-J.19AVSE	19	1-7/32	45/64	1-31/32	0.16

FACOM® 3/8" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8LAVSE	8	3/4	45/64	2-31/64	0.10
FM-J.13LAVSE	13	55/64	45/64	2-31/64	0.17
FM-J.14LAVSE	14	29/32	45/64	2-23/64	0.18
FM-J.16LAVSE	16	29/32	45/64	2-63/64	0.27
FM-J.17LAVSE	17	63/64	45/64	2-63/64	0.33
FM-J.18LAVSE	18	1-1/16	45/64	2-63/64	0.37
FM-J.19LAVSE	19	1-7/64	45/64	2-63/64	0.33

FACOM® 3/8" DRIVE INSULATED HEX BIT SOCKETS

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-JT.4AVSE	4	25/64	45/64	3-5/32	0.10
FM-JT.5AVSE	5	25/64	45/64	2-9/16	0.10
FM-JT.6AVSE	6	25/64	45/64	2-9/16	0.10
FM-JT.7AVSE	7	25/64	45/64	2-9/16	0.11
FM-JT.8AVSE	8	25/64	45/64	2-3/4	0.13
FM-JT.10AVSE	10	25/64	45/64	2-3/4	0.13

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 1/2" DRIVE 17 PIECE INSULATED SOCKET SET - 12 POINT

Product #: FC-S.401AVSE

- 1000V AC and 1500 DC Insulated Socket Set.
- Hex Bit Sockets: 8, 10, 12, 14, 17 mm.
- Metric Size Sockets - 12 Point: 8, 9, 10, 11, 12, 13, 14, 17, 19 mm.
- Accessories: Ratchet, T-Handle, and Extension.
- Weight (lbs): 7.56



Contents	Description
FM-S.8AVSE	Socket, 1/2" DR 1000V VSE 8 mm 12 PT
FM-S.9AVSE	Socket, 1/2" DR 1000V VSE 9 mm 12 PT
FM-S.10AVSE	Socket, 1/2" DR 1000V VSE 10 mm 12 PT
FM-S.11AVSE	Socket, 1/2" DR 1000V VSE 11 mm 12 PT
FM-S.12AVSE	Socket, 1/2" DR 1000V VSE 12 mm 12 PT
FM-S.13AVSE	Socket, 1/2" DR 1000V VSE 13 mm 12 PT
FM-S.14AVSE	Socket, 1/2" DR 1000V VSE 14 mm 12 PT
FM-S.17AVSE	Socket, 1/2" DR 1000V VSE 17 mm 12 PT
FM-S.19AVSE	Socket, 1/2" DR 1000V VSE 19 mm 12 PT
FM-ST.8AVSE	Hex Bit, 1/2" DR 1000V VSE 8 mm
FM-ST.10AVSE	Hex Bit, 1/2" DR 1000V VSE 10 mm
FM-ST.12AVSE	Hex Bit, 1/2" DR 1000V VSE 12 mm
FM-ST.14AVSE	Hex Bit, 1/2" DR 1000V VSE 14 mm
FM-ST.17AVSE	Hex Bit, 1/2" DR 1000V VSE 17 mm
FT-S.121AVSE	T-Handle, 1/2" DR 1000V VSE
FT-S.151AVSE	Ratchet, 1/2" DR 1000V VSE 10-3/8"
FT-S.210AVSE	Extension, 1/2" DR 1000V VSE 5-45/64"

FACOM® 1/2" DRIVE INSULATED RATCHET

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- For manual use.
- Insulated to 1000V AC or 1500 DC.



Product #	Overall Length (in) (L)	Weight (lbs)
FT-S.151AVSE	10-3/8	1.24

FACOM® 1/2" DRIVE INSULATED EXTENSIONS



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-S.210AVSE	5-3/4	5-45/64	0.55
FT-S.215AVSE	10-3/8	10-7/16	1.04

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

FACOM® 1/2" DRIVE METRIC INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.8AVSE	8	43/64	55/64	2-5/32	0.14
FM-S.9AVSE	9	45/64	55/64	3-5/32	0.15
FM-S.10AVSE	10	3/4	55/64	2-5/32	0.14
FM-S.11AVSE	11	25/32	55/64	2-5/32	0.15
FM-S.12AVSE	12	55/64	55/64	2-5/32	0.15
FM-S.13AVSE	13	29/32	55/64	2-5/32	0.16
FM-S.14AVSE	14	15/16	55/64	3-5/32	0.16
FM-S.17AVSE	17	1-7/64	55/64	2-5/32	0.18
FM-S.19AVSE	19	1-17/64	55/64	2-5/32	0.20
FM-S.21AVSE	21	1-19/64	55/64	2-5/32	0.23
FM-S.22AVSE	22	1-11/32	55/64	2-5/32	0.25

FACOM® 1/2" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.12LAVSE	12	55/64	55/64	3-1/32	0.39
FM-S.13LAVSE	13	29/32	55/64	3-1/32	0.39
FM-S.14LAVSE	14	15/16	55/64	3-1/32	0.39
FM-S.16LAVSE	16	1-1/16	55/64	3-1/32	0.39
FM-S.17LAVSE	17	1-3/32	55/64	3-1/32	0.39
FM-S.18LAVSE	18	1-5/32	55/64	3-1/32	0.47
FM-S.19LAVSE	19	1-1/4	55/64	3-1/32	0.52

FACOM® 1/2" DRIVE INSULATED HEX BIT SOCKETS



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in)(L)	Weight (lbs)
FM-ST.8AVSE	8	5/16	55/64	2-3/4	0.19
FM-ST.10AVSE	10	25/64	55/64	2-3/4	0.19
FM-ST.12AVSE	12	15/32	55/64	3-5/8	0.31
FM-ST.14AVSE	14	35/64	55/64	3-5/8	0.34
FM-ST.17AVSE	17	43/64	55/64	3-5/8	0.37

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

PEAR HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4749XLRK	1/4	J4749XL	0.04
J4749XLHSRK	1/4	J4749XLHS	0.06
J4749RK	1/4	J4749	0.04
J4749HSRK	1/4	J4749HS	0.04
J6064RK	3/8	J5248S	0.07
J5249XLRK	3/8	J5249XL	0.13
J5249FWRK	3/8	J5249FW	0.13
J5249HSRK	3/8	J5249HS	0.15
J5249XLHSRK	3/8	J5249XLHS	0.15
J5449RK	1/2	J5449	0.38
J5449UTRK	1/2	J5449UT	0.38
J5449XLRK	1/2	J5449XL	0.23
J5449-14RK	1/2	J5449-14BL	0.37
J5450FWRK	1/2	J5450FW	0.26
J5649FWRK	3/4	J5649FW	1.00
J5649RK	3/4	J5649	1.00



REVERSE CAM REPAIR KITS

Product #	Drive Size (in)	Weight (lbs)
J5649RC	3/4	0.02



ROUND HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4752FRK	1/4	J4752F, J4752FBL	0.10
J5252FRK	3/8	J5252F, J5252FBL, J5257F	0.60
J5452FRK	1/2	J5452F, J5452FBL, J5454F, J5457F	0.30



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



YOUR PRODUCTIVITY.
THAT'S WHAT WE'RE AIMING TO IMPACT.

The point of an impact wrench is to get the job done right and fast. That means you can't be fussing with stripped fastener heads or cracked sockets. Proto® impact sockets are made from special alloy steel. They are heat treated for the correct balance of strength and hardness. One-piece construction ensures concentricity. We offer TorquePlus™ technology, a variety of drive styles and magnetic options to help eliminate slippage and rounding. Plus, our finish and wall thickness options ensure our sockets fit your environment and the task at hand. In short, they help give your efficiency a jolt.

IMPACT SOCKETS



6 Point Impact Sockets for 1-1/2" Drive

PROTO

RETAINING SAFETY

Properly used, retaining rings hold sockets firmly in place on drive anvils.

- Always use retaining rings with pneumatic drive anvils and sockets.
- Install rings correctly to ensure all rotational force stays between the anvil and socket, as rings are only intended to support the weight of the socket.
- Consider using crush gauge rings for added safety.
- Be sure to inspect both drive anvil and socket carefully before using.

RETAINING RINGS

When used correctly, retaining rings improve both the safety and performance of pneumatic impact drivers. Proto® makes three styles.

Traditional Rings are made in two pieces that include a steel pin and O-ring. To install, slip the pin through the socket and drive anvil and slip the O-ring into the socket groove.



One-Piece Rings eliminate having to handle two small parts. They work in much the same way, but the pin is integrated into the ring and installs quickly.

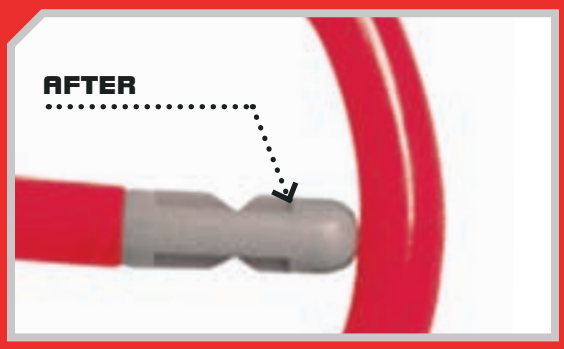


Crush Gauge Rings work like one-piece rings, but they are specially designed to indicate damage or wear on sockets and drive anvils. Fast and reliable, they add an element of safety to your work.

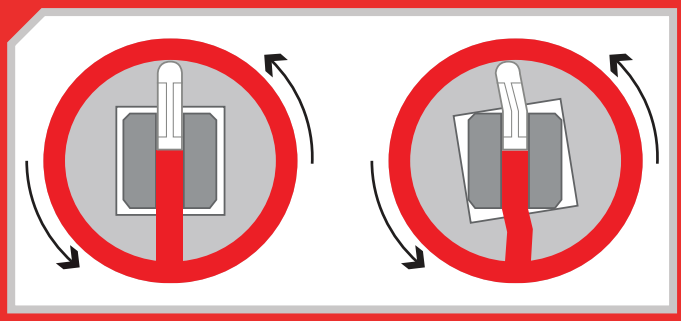




Straight Pin with Smooth Sides



Bent Pin with Notched Sides



HOW THE CRUSH GAUGE IMPROVES SAFETY

Cracked or worn sockets pose a safety hazard. Our Crush Gauge Ring can indicate wear before there's a catastrophic failure. When a socket is cracked or excessively worn or when an anvil is worn, the drive tool and socket don't rotate tightly together. That action crimps the pin or "crush gauge" on the retaining ring. If that happens, you know to inspect and replace the socket or drive anvil.

1/4" DRIVE 13 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J69206

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 0.88

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6904M	Socket, Impact 1/4" DR 4 mm 6 PT	ASME B107.33M
J6905M	Socket, Impact 1/4" DR 5 mm 6 PT	ASME B107.33M
J69055M	Socket, Impact 1/4" DR 5.5 mm 6 PT	ASME B107.33M
J6906M	Socket, Impact 1/4" DR 6 mm 6 PT	ASME B107.33M
J6907M	Socket, Impact 1/4" DR 7 mm 6 PT	ASME B107.33M
J6908M	Socket, Impact 1/4" DR 8 mm 6 PT	ASME B107.33M
J6909M	Socket, Impact 1/4" DR 9 mm 6 PT	ASME B107.33M
J6910M	Socket, Impact 1/4" DR 10 mm 6 PT	ASME B107.33M
J6911M	Socket, Impact 1/4" DR 11 mm 6 PT	ASME B107.33M
J6912M	Socket, Impact 1/4" DR 12 mm 6 PT	ASME B107.33M
J6913M	Socket, Impact 1/4" DR 13 mm 6 PT	ASME B107.33M
J6914M	Socket, Impact 1/4" DR 14 mm 6 PT	ASME B107.33M
J6915M	Socket, Impact 1/4" DR 15 mm 6 PT	ASME B107.33M
J2588	Socket, Bar 11"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 11 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J69106

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 0.66

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6906H	Socket, Impact 1/4" DR 3/16" 6 PT	ASME B107.2
J6907H	Socket, Impact 1/4" DR 7/32" 6 PT	ASME B107.2
J6908H	Socket, Impact 1/4" DR 1/4" 6 PT	ASME B107.2
J6909H	Socket, Impact 1/4" DR 9/32" 6 PT	ASME B107.2
J6910H	Socket, Impact 1/4" DR 5/16" 6 PT	ASME B107.2
J6911H	Socket, Impact 1/4" DR 11/32" 6 PT	ASME B107.2
J6912H	Socket, Impact 1/4" DR 3/8" 6 PT	ASME B107.2
J6914H	Socket, Impact 1/4" DR 7/16" 6 PT	ASME B107.2
J6916H	Socket, Impact 1/4" DR 1/2" 6 PT	ASME B107.2
J6918H	Socket, Impact 1/4" DR 9/16" 6 PT	ASME B107.2
J6920H	Socket, Impact 1/4" DR 5/8" 6 PT	ASME B107.2
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 7 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J69202

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 0.40

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6907M	Socket, Impact 1/4" DR 7 mm 6 PT	ASME B107.33M
J6908M	Socket, Impact 1/4" DR 8 mm 6 PT	ASME B107.33M
J6909M	Socket, Impact 1/4" DR 9 mm 6 PT	ASME B107.33M
J6910M	Socket, Impact 1/4" DR 10 mm 6 PT	ASME B107.33M
J6911M	Socket, Impact 1/4" DR 11 mm 6 PT	ASME B107.33M
J6912M	Socket, Impact 1/4" DR 12 mm 6 PT	ASME B107.33M
J6913M	Socket, Impact 1/4" DR 13 mm 6 PT	ASME B107.33M
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 6 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J69102

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Size stamped on tool for easy identification.
- Side locking hole.
- Weight (lbs): 0.40

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6908H	Socket, Impact 1/4" DR 1/4" 6 PT	ASME B107.2
J6910H	Socket, Impact 1/4" DR 5/16" 6 PT	ASME B107.2
J6912H	Socket, Impact 1/4" DR 3/8" 6 PT	ASME B107.2
J6914H	Socket, Impact 1/4" DR 7/16" 6 PT	ASME B107.2
J6916H	Socket, Impact 1/4" DR 1/2" 6 PT	ASME B107.2
J6918H	Socket, Impact 1/4" DR 9/16" 6 PT	ASME B107.2
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	

FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.

1/4" DRIVE 11 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J69116

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Size stamped on tool for easy identification.
- Side locking hole.
- Weight (lbs): 1.32

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6506H	Socket, Impact 1/4" DR 3/16" 6 PT Deep	ASME B107.2
J6507H	Socket, Impact 1/4" DR 7/32" 6 PT Deep	ASME B107.2
J6508H	Socket, Impact 1/4" DR 1/4" 6 PT Deep	ASME B107.2
J6509H	Socket, Impact 1/4" DR 9/32" 6 PT Deep	ASME B107.2
J6510H	Socket, Impact 1/4" DR 5/16" 6 PT Deep	ASME B107.2
J6511H	Socket, Impact 1/4" DR 11/32" 6 PT Deep	ASME B107.2
J6512H	Socket, Impact 1/4" DR 3/8" 6 PT Deep	ASME B107.2
J6514H	Socket, Impact 1/4" DR 7/16" 6 PT Deep	ASME B107.2
J6516H	Socket, Impact 1/4" DR 1/2" 6 PT Deep	ASME B107.2
J6518H	Socket, Impact 1/4" DR 9/16" 6 PT Deep	ASME B107.2
J6520H	Socket, Impact 1/4" DR 5/8" 6 PT Deep	ASME B107.2
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

1/4" DRIVE 11 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J69212

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 1.36

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J6505MH	Socket, Impact 1/4" DR Metric - 5 mm 6 PT Deep	ASME B107.33M
J6506MH	Socket, Impact 1/4" DR Metric - 6 mm 6 PT Deep	ASME B107.33M
J6507MH	Socket, Impact 1/4" DR Metric - 7 mm 6 PT Deep	ASME B107.33M
J6508MH	Socket, Impact 1/4" DR Metric - 8 mm 6 PT Deep	ASME B107.33M
J6509MH	Socket, Impact 1/4" DR Metric - 9 mm 6 PT Deep	ASME B107.33M
J6510MH	Socket, Impact 1/4" DR Metric - 10 mm 6 PT Deep	ASME B107.33M
J6511MH	Socket, Impact 1/4" DR Metric - 11 mm 6 PT Deep	ASME B107.33M
J6512MH	Socket, Impact 1/4" DR Metric - 12 mm 6 PT Deep	ASME B107.33M
J6513MH	Socket, Impact 1/4" DR Metric - 13 mm 6 PT Deep	ASME B107.33M
J6514MH	Socket, Impact 1/4" DR Metric - 14 mm 6 PT Deep	ASME B107.33M
J6515MH	Socket, Impact 1/4" DR Metric - 15 mm 6 PT Deep	ASME B107.33M
J2585	Socket, Bar 9"	
J2590	Socket, Clip 1/4" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE 9 PIECE METRIC IMPACT UNIVERSAL SOCKET SET - 12 POINT

METRIC

Product #: J62133M

- Weight (lbs): 2.20

Contents	Description
J66555MP	Socket, Impact 1/4" DR Universal 5.5 mm 12 PT
J66506MP	Socket, Impact 1/4" DR Universal 6 mm 12 PT
J66507MP	Socket, Impact 1/4" DR Universal 7 mm 12 PT
J66508MP	Socket, Impact 1/4" DR Universal 8 mm 12 PT
J66509MP	Socket, Impact 1/4" DR Universal 9 mm 12 PT
J66510MP	Socket, Impact 1/4" DR Universal 10 mm 12 PT
J66511MP	Socket, Impact 1/4" DR Universal 11 mm 12 PT
J66512MP	Socket, Impact 1/4" DR Universal 12 mm 12 PT
J66513MP	Socket, Impact 1/4" DR Universal 13 mm 12 PT
J2590	Socket, Clip 1/4" DR
J2585	Socket, Bar 9"



1/4" DRIVE 7 PIECE TORX® IMPACT SOCKET SET

Product #: J69132

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 0.38

TORQUEPLUS FASTENING SYSTEM

Contents	Description	Torx® Size
J6904TX	Socket, Impact Torx® 1/4" DR E4	E4
J6905TX	Socket, Impact Torx® 1/4" DR E5	E5
J6906TX	Socket, Impact Torx® 1/4" DR E6	E6
J6907TX	Socket, Impact Torx® 1/4" DR E7	E7
J6908TX	Socket, Impact Torx® 1/4" DR E8	E8
J6910TX	Socket, Impact Torx® 1/4" DR E10	E10
J6912TX	Socket, Impact Torx® 1/4" DR E12	E12
J2584	Socket, Bar 6-1/4"	
J2590	Socket, Clip 1/4" DR	



1/4" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

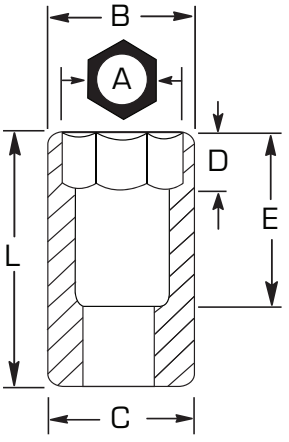


Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J6906H	3/16	5/16	1/2	11/64	1/2	7/8	0.04
J6907H	7/32	11/32	1/2	13/64	1/2	7/8	0.03
J6908H	1/4	25/64	1/2	7/32	1/2	7/8	0.03
J6909H	9/32	7/16	1/2	15/64	1/2	7/8	0.03
J6910H	5/16	1/2	1/2	15/64	1/2	7/8	0.03
J6911H	11/32	33/64	33/64	17/64	1/2	7/8	0.04
J6912H	3/8	9/16	9/16	17/64	1/2	7/8	0.04
J6914H	7/16	21/32	21/32	5/16	1/2	7/8	0.05
J6916H	1/2	45/64	11/16	3/8	1/2	7/8	0.05
J6918H	9/16	51/64	51/64	3/8	1/2	7/8	0.08
J6920H	5/8	7/8	7/8	3/8	1/2	7/8	0.09

ASME B107.2

FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/4" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J6904M	4	17/64	1/2	5/32	1/2	7/8	0.03
J6905M	5	5/16	1/2	3/16	1/2	7/8	0.04
J69055M	5.5	11/32	1/2	3/16	1/2	7/8	0.04
J6906M	6	25/64	1/2	7/32	1/2	7/8	0.03
J6907M	7	7/16	1/2	7/32	1/2	7/8	0.03
J6908M	8	1/2	1/2	7/32	1/2	7/8	0.04
J6909M	9	33/64	33/64	1/4	1/2	7/8	0.04
J6910M	10	9/16	9/16	1/4	1/2	7/8	0.04
J6911M	11	21/32	21/32	9/32	1/2	7/8	0.05
J6912M	12	11/16	11/16	19/64	1/2	7/8	0.06
J6913M	13	23/32	23/32	5/16	1/2	7/8	0.07
J6914M	14	51/64	51/64	3/8	1/2	7/8	0.08
J6915M	15	53/64	53/64	3/8	1/2	7/8	0.08

ASME B107.33M

1/4" DRIVE DEEP IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J6506H	3/16	5/16	1/2	1/4	1-5/8	2	0.08
J6507H	7/32	23/64	1/2	7/64	1-5/8	2	0.08
J6508H	1/4	25/64	1/2	9/32	1-5/8	2	0.08
J6509H	9/32	7/16	1/2	19/64	1-5/8	2	0.08
J6510H	5/16	1/2	1/2	5/16	1-5/8	2	0.07
J6511H	11/32	33/64	33/64	11/32	1-5/8	2	0.07
J6512H	3/8	9/16	9/16	3/8	1-5/8	2	0.09
J6514H	7/16	21/32	21/32	3/8	1-5/8	2	0.12
J6516H	1/2	11/16	11/16	7/16	1-5/8	2	0.12
J6518H	9/16	51/64	51/64	7/16	1-5/8	2	0.15
J6520H	5/8	7/8	7/8	7/16	1-5/8	2	0.12

ASME B107.2

1/4" DRIVE METRIC DEEP IMPACT SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J6505MH	5	5/16	1/2	1/4	1-5/8	2	0.08
J65055MH	5.5	23/64	1/2	17/64	1-5/8	2	0.09
J6506MH	6	25/64	1/2	9/32	1-5/8	2	0.08
J6507MH	7	7/16	1/2	19/64	1-5/8	2	0.08
J6508MH	8	1/2	1/2	5/16	1-5/8	2	0.07
J6509MH	9	33/64	33/64	5/16	1-5/8	2	0.07
J6510MH	10	9/16	9/16	3/8	1-5/8	2	0.08
J6511MH	11	21/32	21/32	3/8	1-5/8	2	0.11
J6512MH	12	11/16	11/16	13/32	1-5/8	2	0.13
J6513MH	13	23/32	23/32	7/16	1-5/8	2	0.14
J6514MH	14	51/64	51/64	7/16	1-5/8	2	0.18
J6515MH	15	53/64	53/64	7/16	1-5/8	2	0.18

ASME B107.33M

1/4" DRIVE HIGH STRENGTH MAGNETIC SOCKETS - 6 POINT

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. Allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Impact sockets with high impact strength are used in automated and hand impact socket applications.
- Size stamped on tool for easy identification.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J6906HF	3/16	5/16	1/2	5/32	7/8	0.03
J6908HF	1/4	25/64	1/2	11/64	7/8	0.04
J6910HF	5/16	1/2	1/2	13/64	59/64	0.04
J6912HF	3/8	9/16	9/16	15/64	15/16	0.05
J6914HF	7/16	21/32	21/32	1/4	1	0.07
J6916HF	1/2	11/16	11/16	1/4	1	0.07

ASME B107.2

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.
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1/4" DRIVE METRIC HIGH STRENGTH MAGNETIC IMPACT SOCKETS - 6 POINT

METRIC

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. Allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Impact sockets with high impact strength are used in automated and hand impact socket applications.
- Size stamped on tool for easy identification.



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J6905MHF	5	5/16	1/2	1/16	7/8	0.03
J69055MHF	5.5	23/64	1/2	3/32	7/8	0.03
J6906MHF	6	25/64	1/2	7/64	7/8	0.06
J6907MHF	7	25/64	1/2	7/64	15/16	0.04
J6908MHF	8	1/2	1/2	1/8	15/16	0.04
J6910MHF	10	9/16	9/16	5/32	15/16	0.05

ASME B107.33







1/4" DRIVE UNIVERSAL IMPACT SOCKETS - 12 POINT

Product #	Size (in)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J66308P	1/4	5/8	1-9/32	0.27
J66310P	5/16	5/8	1-11/32	0.27
J66312P	3/8	5/8	1-15/32	0.30
J66314P	7/16	5/8	1-1/2	0.32
J66316P	1/2	5/8	1-5/8	0.33





1/4" DRIVE METRIC UNIVERSAL IMPACT SOCKETS - 12 POINT

Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J66506MP	6	5/8	1-9/32	0.27
J66507MP	7	5/8	1-5/16	0.27
J66508MP	8	5/8	1-11/32	0.28
J66509MP	9	5/8	1-3/8	0.30
J66510MP	10	5/8	1-7/16	0.31
J66511MP	11	5/8	1-1/2	0.31
J66512MP	12	5/8	1-17/32	0.32
J66513MP	13	5/8	1-19/32	0.32
J66555MP	5.5	5/8	1-1/4	0.27



1/4" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.

Product #	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J66170P	5/8	1-3/8	0.27



1/4" DRIVE TORX® IMPACT SOCKETS

- Made of alloy steel.
- Black oxide finish.
- For use with Torx® style fasteners.



Product #	Torx® Size	Nut End Outside Dia. (B)	Drive End Outside Dia. (C)	Nut Depth (D)	Overall Length (in)	Weight (lbs)
J6904TX	E4	1/4	7/16	13/64	1	0.03
J6905TX	E5	1/4	7/16	7/32	1	0.04
J6906TX	E6	5/16	7/16	15/64	1	0.02
J6907TX	E7	21/64	1/2	9/32	1	0.03
J6908TX	E8	3/8	19/64	19/64	1	0.03
J6910TX	E10	1/2	1/2	11/32	1	0.05
J6912TX	E12	9/16	9/16	25/64	1	0.05

3/8" DRIVE 19 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J72206

Contents	Description	ASME Spec.
J7206M	Socket, Impact 3/8" DR 6 mm 6 PT	ASME B107.33M
J7207M	Socket, Impact 3/8" DR 7 mm 6 PT	ASME B107.33M
J7208M	Socket, Impact 3/8" DR 8 mm 6 PT	ASME B107.33M
J7209M	Socket, Impact 3/8" DR 9 mm 6 PT	ASME B107.33M
J7210M	Socket, Impact 3/8" DR 10 mm 6 PT	ASME B107.33M
J7211M	Socket, Impact 3/8" DR 11 mm 6 PT	ASME B107.33M
J7212M	Socket, Impact 3/8" DR 12 mm 6 PT	ASME B107.33M
J7213M	Socket, Impact 3/8" DR 13 mm 6 PT	ASME B107.33M
J7214M	Socket, Impact 3/8" DR 14 mm 6 PT	ASME B107.33M
J7215M	Socket, Impact 3/8" DR 15 mm 6 PT	ASME B107.33M
J7216M	Socket, Impact 3/8" DR 16 mm 6 PT	ASME B107.33M
J7217M	Socket, Impact 3/8" DR 17 mm 6 PT	ASME B107.33M
J7218M	Socket, Impact 3/8" DR 18 mm 6 PT	ASME B107.33M
J7219M	Socket, Impact 3/8" DR 19 mm 6 PT	ASME B107.33M
J7220M	Socket, Impact 3/8" DR 20 mm 6 PT	ASME B107.33M
J7221M	Socket, Impact 3/8" DR 21 mm 6 PT	ASME B107.33M
J7222M	Socket, Impact 3/8" DR 22 mm 6 PT	ASME B107.33M
J7223M	Socket, Impact 3/8" DR 23 mm 6 PT	ASME B107.33M
J7224M	Socket, Impact 3/8" DR 24 mm 6 PT	ASME B107.33M
J2587	Socket, Bar 17"	
J2591	Socket, Clip 3/8" DR	

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 2.79

TORQUEPLUS FASTENING SYSTEM



3/8" DRIVE 19 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72216

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 6.43

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7006M	Socket, Impact 3/8" DR 6 mm 6 PT Deep	ASME B107.33M
J7007M	Socket, Impact 3/8" DR 7 mm 6 PT Deep	ASME B107.33M
J7008M	Socket, Impact 3/8" DR 8 mm 6 PT Deep	ASME B107.33M
J7009M	Socket, Impact 3/8" DR 9 mm 6 PT Deep	ASME B107.33M
J7010M	Socket, Impact 3/8" DR 10 mm 6 PT Deep	ASME B107.33M
J7011M	Socket, Impact 3/8" DR 11 mm 6 PT Deep	ASME B107.33M
J7012M	Socket, Impact 3/8" DR 12 mm 6 PT Deep	ASME B107.33M
J7013M	Socket, Impact 3/8" DR 13 mm 6 PT Deep	ASME B107.33M
J7014M	Socket, Impact 3/8" DR 14 mm 6 PT Deep	ASME B107.33M
J7015M	Socket, Impact 3/8" DR 15 mm 6 PT Deep	ASME B107.33M
J7016M	Socket, Impact 3/8" DR 16 mm 6 PT Deep	ASME B107.33M
J7017M	Socket, Impact 3/8" DR 17 mm 6 PT Deep	ASME B107.33M
J7018M	Socket, Impact 3/8" DR 18 mm 6 PT Deep	ASME B107.33M
J7019M	Socket, Impact 3/8" DR 19 mm 6 PT Deep	ASME B107.33M
J7020M	Socket, Impact 3/8" DR 20 mm 6 PT Deep	ASME B107.33M
J7021M	Socket, Impact 3/8" DR 21 mm 6 PT Deep	ASME B107.33M
J7022M	Socket, Impact 3/8" DR 22 mm 6 PT Deep	ASME B107.33M
J7023M	Socket, Impact 3/8" DR 23 mm 6 PT Deep	ASME B107.33M
J7024M	Socket, Impact 3/8" DR 24 mm 6 PT Deep	ASME B107.33M
J2587	Socket, Bar 17"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 15 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72116

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 5.81

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7708H	Socket, Impact 3/8" DR 1/4" 6 PT Deep	ASME B107.2
J7709H	Socket, Impact 3/8" DR 9/32" 6 PT Deep	ASME B107.2
J7710H	Socket, Impact 3/8" DR 5/16" 6 PT Deep	ASME B107.2
J7711H	Socket, Impact 3/8 DR 11/32" 6 PT Deep	ASME B107.2
J7712H	Socket, Impact 3/8" DR 3/8" 6 PT Deep	ASME B107.2
J7714H	Socket, Impact 3/8" DR 7/16" 6 PT Deep	ASME B107.2
J7716H	Socket, Impact 3/8" DR 1/2" 6 PT Deep	ASME B107.2
J7718H	Socket, Impact 3/8" DR 9/16" 6 PT Deep	ASME B107.2
J7720H	Socket, Impact 3/8" DR 5/8" 6 PT Deep	ASME B107.2
J7722H	Socket, Impact 3/8" DR 11/16" 6 PT Deep	ASME B107.2
J7724H	Socket, Impact 3/8" DR 3/4" 6 PT Deep	ASME B107.2
J7726H	Socket, Impact 3/8" DR 13/16" 6 PT Deep	ASME B107.2
J7728H	Socket, Impact 3/8" DR 7/8" 6 PT Deep	ASME B107.2
J7730H	Socket, Impact 3/8" DR 15/16" 6 PT Deep	ASME B107.2
J7732H	Socket, Impact 3/8" DR 1" 6 PT Deep	ASME B107.2
J2587	Socket, Bar 17"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 15 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J72106

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 2.89

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT	ASME B107.2
J7209H	Socket, Impact 3/8" DR 9/32" 6 PT	ASME B107.2
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT	ASME B107.2
J7211H	Socket, Impact 3/8" DR 11/32" 6 PT	ASME B107.2
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT	ASME B107.2
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT	ASME B107.2
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT	ASME B107.2
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT	ASME B107.2
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT	ASME B107.2
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT	ASME B107.2
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT	ASME B107.2
J7226H	Socket, Impact 3/8" DR 13/16" 6 PT	ASME B107.2
J7228H	Socket, Impact 3/8" DR 7/8" 6 PT	ASME B107.2
J7230H	Socket, Impact 3/8" DR 15/16" 6 PT	ASME B107.2
J7232H	Socket, Impact 3/8" DR 1" 6 PT	ASME B107.2
J2587	Socket, Bar 17"	
J2591	Socket, Clip 3/8" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 13 PIECE HAND IMPACT DRIVER SET

Product #: J7099A

Contents	Description
J7099	Driver, Hand Impact 3/8" DR 5-1/2"
J60002	Bit, Insert #1 Phillips® 1/4" Hex
J60008	Bit, Insert #2 Phillips® 1/4" Hex
J60020	Bit, Insert #3 Phillips® 1/4" Hex
J60202	Bit, Insert 3/16" Slotted 1/4" Hex
J60208	Bit, Insert 9/32" Slotted 1/4" Hex
J60050	Bit, Insert #1 Phillips® 5/16" Hex
J60052	Bit, Insert #2 Phillips® 5/16" Hex
J60054	Bit, Insert #3 Phillips® 5/16" Hex
J60256	Bit, Insert 3/16" Slotted 5/16" Hex
J60262	Bit, Insert 9/32" Slotted 5/16" Hex
J6930	Bit, Holder Power 3/8" DR 5/16" Hex
J6931	Bit, Holder Power 3/8" DR 1/4" Hex

- Designed to loosen hard to turn bolts and nuts.
- Hand impact driver has heavy-duty spring for added torque.
- Popular interchangeable bits are packaged in plastic blow-molded box for easy storage.
- Weight (lbs): 2.31



3/8" DRIVE 12 PIECE METRIC THIN WALL DEEP IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J72217

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Designed to fit into smaller spaces.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Extra deep length helps improve access in confined areas.
- Often used in application where fasteners are close together, such as tire service.
- Weight (lbs): 1.92

TORQUEPLUS FASTENING SYSTEM



Contents	Description
J7008MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 8 mm 6 PT
J7009MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 9 mm 6 PT
J7010MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 10 mm 6 PT
J7011MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 11 mm 6 PT
J7012MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 12 mm 6 PT
J7013MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 13 mm 6 PT
J7014MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 14 mm 6 PT
J7015MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 15 mm 6 PT
J7016MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 16 mm 6 PT
J7017MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 17 mm 6 PT
J7018MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 18 mm 6 PT
J7019MHT	Socket, Deep Thin Wall Metric Impact 3/8" DR 19 mm 6 PT

3/8" DRIVE 11 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J72202

Contents	Description	ASME Spec.
J7207M	Socket, Impact 3/8" DR 7 mm 6 PT	ASME B107.33M
J7208M	Socket, Impact 3/8" DR 8 mm 6 PT	ASME B107.33M
J7209M	Socket, Impact 3/8" DR 9 mm 6 PT	ASME B107.33M
J7210M	Socket, Impact 3/8" DR 10 mm 6 PT	ASME B107.33M
J7211M	Socket, Impact 3/8" DR 11 mm 6 PT	ASME B107.33M
J7212M	Socket, Impact 3/8" DR 12 mm 6 PT	ASME B107.33M
J7213M	Socket, Impact 3/8" DR 13 mm 6 PT	ASME B107.33M
J7214M	Socket, Impact 3/8" DR 14 mm 6 PT	ASME B107.33M
J7215M	Socket, Impact 3/8" DR 15 mm 6 PT	ASME B107.33M
J7216M	Socket, Impact 3/8" DR 16 mm 6 PT	ASME B107.33M
J7217M	Socket, Impact 3/8" DR 17 mm 6 PT	ASME B107.33M
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 1.14

TORQUEPLUS FASTENING SYSTEM



3/8" DRIVE 11 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72212

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 2.71

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7007M	Socket, Impact 3/8" DR 7 mm 6 PT Deep	ASME B107.33M
J7008M	Socket, Impact 3/8" DR 8 mm 6 PT Deep	ASME B107.33M
J7009M	Socket, Impact 3/8" DR 9 mm 6 PT Deep	ASME B107.33M
J7010M	Socket, Impact 3/8" DR 10 mm 6 PT Deep	ASME B107.33M
J7011M	Socket, Impact 3/8" DR 11 mm 6 PT Deep	ASME B107.33M
J7012M	Socket, Impact 3/8" DR 12 mm 6 PT Deep	ASME B107.33M
J7013M	Socket, Impact 3/8" DR 13 mm 6 PT Deep	ASME B107.33M
J7014M	Socket, Impact 3/8" DR 14 mm 6 PT Deep	ASME B107.33M
J7015M	Socket, Impact 3/8" DR 15 mm 6 PT Deep	ASME B107.33M
J7016M	Socket, Impact 3/8" DR 16 mm 6 PT Deep	ASME B107.33M
J7017M	Socket, Impact 3/8" DR 17 mm 6 PT Deep	ASME B107.33M
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 9 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J72102

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 1.07

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7208H	Socket, Impact 3/8" DR 1/4" 6 PT	ASME B107.2
J7210H	Socket, Impact 3/8" DR 5/16" 6 PT	ASME B107.2
J7212H	Socket, Impact 3/8" DR 3/8" 6 PT	ASME B107.2
J7216H	Socket, Impact 3/8" DR 1/2" 6 PT	ASME B107.2
J7218H	Socket, Impact 3/8" DR 9/16" 6 PT	ASME B107.2
J7220H	Socket, Impact 3/8" DR 5/8" 6 PT	ASME B107.2
J7222H	Socket, Impact 3/8" DR 11/16" 6 PT	ASME B107.2
J7224H	Socket, Impact 3/8" DR 3/4" 6 PT	ASME B107.2
J7214H	Socket, Impact 3/8" DR 7/16" 6 PT	ASME B107.2
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 9 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72112

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 2.42

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7708H	Socket, Impact 3/8" DR 1/4" 6 PT Deep	ASME B107.2
J7710H	Socket, Impact 3/8" DR 5/16" 6 PT Deep	ASME B107.2
J7712H	Socket, Impact 3/8" DR 3/8" 6 PT Deep	ASME B107.2
J7714H	Socket, Impact 3/8" DR 7/16" 6 PT Deep	ASME B107.2
J7716H	Socket, Impact 3/8" DR 1/2" 6 PT Deep	ASME B107.2
J7718H	Socket, Impact 3/8" DR 9/16" 6 PT Deep	ASME B107.2
J7720H	Socket, Impact 3/8" DR 5/8" 6 PT Deep	ASME B107.2
J7722H	Socket, Impact 3/8" DR 11/16" 6 PT Deep	ASME B107.2
J7724H	Socket, Impact 3/8" DR 3/4" 6 PT Deep	ASME B107.2
J2585	Socket, Bar 9"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 9 PIECE THIN WALL DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72117

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Extra deep length helps improve access to confined areas.
- Often used in application where fasteners are close together, such as tire service.
- Weight (lbs): 1.54

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7708HT	Socket, Impact Deep Thin Wall 3/8" DR 1/4" 6 PT	ASME B107.2
J7710HT	Socket, Impact Deep Thin Wall 3/8" DR 5/16" 6 PT	ASME B107.2
J7712HT	Socket, Impact Deep Thin Wall 3/8" DR 3/8" 6 PT	ASME B107.2
J7714HT	Socket, Impact Deep Thin Wall 3/8" DR 7/16" 6 PT	ASME B107.2
J7716HT	Socket, Impact Deep Thin Wall 3/8" DR 1/2" 6 PT	ASME B107.2
J7718HT	Socket, Impact Deep Thin Wall 3/8" DR 9/16" 6 PT	ASME B107.2
J7720HT	Socket, Impact Deep Thin Wall 3/8" DR 5/8" 6 PT	ASME B107.2
J7722HT	Socket, Impact Deep Thin Wall 3/8" DR 11/16" 6 PT	ASME B107.2
J7724HT	Socket, Impact Deep Thin Wall 3/8" DR 3/4" 6 PT	ASME B107.2

3/8" DRIVE 7 PIECE TORX® BIT SET

Product #: J4739P

Contents	Description	Torx® Size
J60508	Bit, Insert T10 Torx® 1/4" Hex	T10
J60510	Bit, Insert T15 Torx® 1/4" Hex	T15
J60512	Bit, Insert T20 Torx® 1/4" Hex	T20
J60514	Bit, Insert T25 Torx® 1/4" Hex	T25
J60516	Bit, Insert T27 Torx® 1/4" Hex	T27
J60518	Bit, Insert T30 Torx® 1/4" Hex	T30
J6931	Bit Holder, Power 3/8" DR 1/4" Hex	
J25TR50C	Pouch	

- Not for use on impact applications.
- 3/8" DR, 5/16" Hex.
- Weight (lbs): 0.19



3/8" DRIVE 7 PIECE TORX® IMPACT SOCKET SET

Product #: J72132

Contents	Description	Torx® Size
J7206TX	Socket, Impact 3/8" DR E6 Torx®	E6
J7207TX	Socket, Impact 3/8" DR E7 Torx®	E7
J7208TX	Socket, Impact 3/8" DR E8 Torx®	E8
J7210TX	Socket, Impact 3/8" DR E10 Torx®	E10
J7212TX	Socket, Impact 3/8" DR E12 Torx®	E12
J7214TX	Socket, Impact 3/8" DR E14 Torx®	E14
J7216TX	Socket, Impact 3/8" DR E16 Torx®	E16
J2584	Socket, Bar 6-1/4"	
J2591	Socket, Clip 3/8" DR	

- Proto® Torx® Impact Sockets can be used on stubborn Torx® fasteners.
- Tight tolerances for snug fit on fastener.
- Torx® impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Torx® impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Weight (lbs): 0.62



3/8" AND 1/2" DRIVE 10 PIECE HEX BIT IMPACT SOCKET SET

Product #: J72156

- Proto® Hex Bit Impact Sockets can be used on stubborn fasteners.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand higher torque and force associated with impact tools in repetitive application.
- Tight tolerances for snug fit on fastener.
- Hex bit impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Hex bit impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Side locking hole.
- Weight (lbs): 2.56

Contents	Description
J72901/8	Socket, Impact Hex Bit 3/8" DR 1/8"
J72905/32	Socket, Impact Hex Bit 3/8" DR 5/32"
J72903/16	Socket, Impact Hex Bit 3/8" DR 13/16"
J72907/32	Socket, Impact Hex Bit 3/8" DR 7/32"
J72901/4	Socket, Impact Hex Bit 3/8" DR 1/4"
J72905/16	Socket, Impact Hex Bit 3/8" DR 5/16"
J72903/8	Socket, Impact Hex Bit 3/8" DR 3/8"
J74411/2	Socket, Impact Hex Bit 1/2" DR 1/2"
J74419/16	Socket, Impact Hex Bit 1/2" DR 9/16"
J74415/8	Socket, Impact Hex Bit 1/2" DR 5/8"
J4968PB	Blow-Molded Case



3/8" DRIVE 7 PIECE HEX BIT IMPACT SOCKET SET

Product #: J72152

- Proto® Hex Bit Impact Sockets can be used on stubborn fasteners.
- Tight tolerances for snug fit on fastener.
- Hex bit impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Hex bit impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Side locking hole.
- Weight (lbs): 0.79

Contents	Description
J72901/8	Socket, Impact Hex Bit 3/8" DR 1/8"
J72905/32	Socket, Impact Hex Bit 3/8" DR 5/32"
J72903/16	Socket, Impact Hex Bit 3/8" DR 13/16"
J72907/32	Socket, Impact Hex Bit 3/8" DR 7/32"
J72901/4	Socket, Impact Hex Bit 3/8" DR 1/4"
J72905/16	Socket, Impact Hex Bit 3/8" DR 5/16"
J72903/8	Socket, Impact Hex Bit 3/8" DR 3/8"
J2585	Socket, Bar 9"
J2591	Socket, Clip 3/8" DR



3/8" DRIVE 5 PIECE METRIC HEX BIT IMPACT SOCKET SET

METRIC

Product #: J72252

- Proto® Hex Bit Impact Sockets can be used on stubborn fasteners.
- Tight tolerances for snug fit on fastener.
- Hex bit impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Hex bit impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Side locking hole.
- Weight (lbs): 0.64

Contents	Description
J7290-4M	Socket, Impact Hex Bit 3/8" DR 4 mm
J7290-5M	Socket, Impact Hex Bit 3/8" DR 5 mm
J7290-6M	Socket, Impact Hex Bit 3/8" DR 6 mm
J7290-8M	Socket, Impact Hex Bit 3/8" DR 8 mm
J7290-10M	Socket, Impact Hex Bit 3/8" DR 10 mm
J2584	Socket, Bar 6-1/4"
J2591	Socket, Clip 3/8" DR



3/8" DRIVE 5 PIECE IMPACT UNIVERSAL SOCKET SET - 6 POINT

Product #: J72142

- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 1.29

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J77273P	Socket, Impact 3/8" DR Universal 3/8" 6 PT	ASME B107.2
J77274P	Socket, Impact 3/8" DR Universal 7/16" 6 PT	ASME B107.2
J77275P	Socket, Impact 3/8" DR Universal 1/2" 6 PT	ASME B107.2
J77276P	Socket, Impact 3/8" DR Universal 9/16" 6 PT	ASME B107.2
J77277P	Socket, Impact 3/8" DR Universal 5/8" 6 PT	ASME B107.2
J2584	Socket, Bar 6-1/4"	
J2591	Socket, Clip 3/8" DR	

3/8" DRIVE 10 PIECE METRIC IMPACT UNIVERSAL SOCKET SET - 6 POINT

METRIC

Product #: J72133M

Contents	Description
J77408MP	Socket, Impact 3/8" DR Universal 8 mm 6 PT
J77410MP	Socket, Impact 3/8" DR Universal 10 mm 6 PT
J77411MP	Socket, Impact 3/8" DR Universal 11 mm 6 PT
J77412MP	Socket, Impact 3/8" DR Universal 12 mm 6 PT
J77413MP	Socket, Impact 3/8" DR Universal 13 mm 6 PT
J77414MP	Socket, Impact 3/8" DR Universal 14 mm 6 PT
J77415MP	Socket, Impact 3/8" DR Universal 15 mm 6 PT
J77416MP	Socket, Impact 3/8" DR Universal 16 mm 6 PT
J77417MP	Socket, Impact 3/8" DR Universal 17 mm 6 PT
J77418MP	Socket, Impact 3/8" DR Universal 18 mm 6 PT
J2591	Socket, Clip 3/8" DR
J2585	Socket, Bar 9"

- Universal Sockets: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Socket Clip, and Socket Rail.
- Weight (lbs): 2.40



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE 10 PIECE DEEP METRIC IMPACT UNIVERSAL SOCKET SET - 6 POINT

METRIC

Product #: J72135M

Contents	Description
J78410MP	Socket, Impact 3/8" DR Universal 10 mm 6 PT
J78411MP	Socket, Impact 3/8" DR Universal 11 mm 6 PT
J78412MP	Socket, Impact 3/8" DR Universal 12 mm 6 PT
J78413MP	Socket, Impact 3/8" DR Universal 13 mm 6 PT
J78414MP	Socket, Impact 3/8" DR Universal 14 mm 6 PT
J78415MP	Socket, Impact 3/8" DR Universal 15 mm 6 PT
J78416MP	Socket, Impact 3/8" DR Universal 16 mm 6 PT
J78417MP	Socket, Impact 3/8" DR Universal 17 mm 6 PT
J78418MP	Socket, Impact 3/8" DR Universal 18 mm 6 PT
J78419MP	Socket, Impact 3/8" DR Universal 19 mm 6 PT
J2591	Socket, Clip 3/8" DR
J2585	Socket, Bar 9"

- Universal, Sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Socket Clip, and Socket Rail.
- Weight (lbs): 3.08



3/8" DRIVE 10 PIECE METRIC UNIVERSAL IMPACT SOCKET SET - 12 POINT

Product #: J72137M

Contents	Description
J77510MP	Socket, Impact 3/8" DR Universal 10 mm 12 PT
J77511MP	Socket, Impact 3/8" DR Universal 11 mm 12 PT
J77512MP	Socket, Impact 3/8" DR Universal 12 mm 12 PT
J77513MP	Socket, Impact 3/8" DR Universal 13 mm 12 PT
J77514MP	Socket, Impact 3/8" DR Universal 14 mm 12 PT
J77515MP	Socket, Impact 3/8" DR Universal 15 mm 12 PT
J77516MP	Socket, Impact 3/8" DR Universal 16 mm 12 PT
J77517MP	Socket, Impact 3/8" DR Universal 17 mm 12 PT
J77518MP	Socket, Impact 3/8" DR Universal 18 mm 12 PT
J77519MP	Socket, Impact 3/8" DR Universal 19 mm 12 PT
J2591	Socket, Clip 3/8" DR
J2585	Socket, Bar 9"

- Universal Sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Socket Clip, and Socket Rail.
- Weight (lbs): 3.08



3/8" DRIVE 3 PIECE IMPACT LOCKING EXTENSION SET

Product #: J7277L

- Weight (lbs): 1.25

Contents	Description
J7203L	Extension, Impact 3/8" DR Locking 3"
J7206L	Extension, Impact 3/8" DR Locking 6"
J7212L	Extension, Impact 3/8" DR Locking 12"



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Made in USA Made in USA with global components

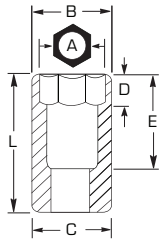


3/8" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM





Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7208H	1/4	7/16	11/16	9/32	19/32	1-3/32	0.07
J7209H	9/32	31/64	11/16	5/16	19/32	1-3/32	0.07
J7210H	5/16	1/2	11/16	5/16	19/32	1-3/32	0.07
J7211H	11/32	35/64	11/16	3/8	19/32	1-3/32	0.07
J7212H	3/8	19/32	11/16	3/8	19/32	1-3/32	0.07
J7214H	7/16	11/16	11/16	3/8	19/32	1-3/32	0.06
J7216H	1/2	3/4	3/4	3/8	19/32	1-3/32	0.08
J7218H	9/16	13/16	13/16	9/16	19/32	1-3/32	0.11
J7220H	5/8	29/32	29/32	9/16	19/32	1-3/32	0.12
J7222H	11/16	1	1	9/16	19/32	1-3/32	0.15
J7224H	3/4	1-1/16	1-1/16	17/32	19/32	1-3/32	0.16
J7226H	13/16	1-3/16	1-13/64	11/16	23/32	1-7/32	0.24
J7228H	7/8	1-9/32	1-9/32	11/16	23/32	1-7/32	0.26
J7230H	15/16	1-23/64	1-23/64	51/64	27/32	1-11/32	0.35
J7232H	1	1-1/2	1-1/2	51/64	27/32	1-11/32	0.42

ASME B107.2

3/8" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7206M	6	27/64	11/16	7/32	27/64	59/64	0.06
J7207M	7	31/64	11/16	15/64	27/64	59/64	0.06
J7208M	8	33/64	11/16	5/16	17/32	1-1/32	0.06
J7209M	9	37/64	11/16	11/32	17/32	1-1/32	0.06
J7210M	10	11/16	11/16	3/8	17/32	1-1/32	0.06
J7211M	11	11/16	11/16	13/32	17/32	1-1/32	0.06
J7212M	12	23/32	23/32	7/16	17/32	1-1/32	0.07
J7213M	13	3/4	3/4	7/16	17/32	1-3/32	0.08
J7214M	14	13/16	13/16	9/16	19/32	1-3/32	0.09
J7215M	15	55/64	55/64	9/16	19/32	1-3/32	0.10
J7216M	16	29/32	29/32	9/16	19/32	1-3/32	0.12
J7217M	17	1	1	9/16	19/32	1-3/32	0.15
J7218M	18	1-1/32	1-1/32	9/16	19/32	1-3/32	0.16
J7219M	19	1-1/16	1-1/16	17/32	19/32	1-3/32	0.15
J7220M	20	1-7/64	1-7/64	17/32	19/32	1-3/32	0.18
J7221M	21	1-5/32	1-5/32	17/32	19/32	1-3/32	0.19
J7222M	22	1-13/64	1-13/64	17/32	19/32	1-3/32	0.20
J7223M	23	1-1/4	1-1/4	17/32	19/32	1-3/32	0.26
J7224M	24	1-19/64	1-19/64	17/32	19/32	1-3/32	0.27

ASME B107.33M

3/8" DRIVE DEEP IMPACT SOCKETS - 6 POINT



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7708H	1/4	7/16	11/16	9/32	2-1/4	2-3/4	0.21
J7709H	9/32	31/64	11/16	5/16	2-1/4	2-3/4	0.18
J7710H	5/16	33/64	11/16	21/64	2-1/4	2-3/4	0.20
J7711H	11/32	35/64	11/16	11/32	2-1/4	2-3/4	0.19
J7712H	3/8	19/32	11/16	3/8	2-1/4	2-3/4	0.19
J7714H	7/16	11/16	11/16	27/64	2-1/4	2-3/4	0.17
J7716H	1/2	3/4	3/4	15/32	2-1/4	2-3/4	0.21
J7718H	9/16	13/16	13/16	11/16	2-1/4	2-3/4	0.22
J7720H	5/8	29/32	29/32	11/16	2-1/4	2-3/4	0.29
J7722H	11/16	1	1	11/16	2-1/4	2-3/4	0.34
J7724H	3/4	1-1/16	1-1/16	43/64	2-1/4	2-3/4	0.38
J7726H	13/16	1-13/64	1-13/64	13/16	2-1/8	2-3/4	0.53
J7728H	7/8	1-9/32	1-9/32	13/16	2-1/8	2-3/4	0.59
J7730H	15/16	1-23/64	1-23/64	13/16	2-1/8	2-3/4	0.66
J7732H	1	1-1/2	1-1/2	13/16	2-1/8	2-3/4	0.85

ASME B107.2

3/8" DRIVE METRIC DEEP IMPACT SOCKETS - 6 POINT

METRIC



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7006M	6	27/64	11/16	9/32	2-1/4	2-3/4	0.19
J7007M	7	31/64	11/16	5/16	2-1/4	2-3/4	0.20
J7008M	8	33/64	11/16	5/16	2-1/4	2-3/4	0.19
J7009M	9	37/64	11/16	3/8	2-1/4	2-3/4	0.20
J7010M	10	5/8	11/16	3/8	2-1/4	2-3/4	0.19
J7011M	11	11/16	11/16	13/32	2-1/4	2-3/4	0.18
J7012M	12	3/4	3/4	7/16	2-1/4	2-3/4	0.20
J7013M	13	3/4	3/4	15/32	2-1/4	2-3/4	0.22
J7014M	14	13/16	13/16	1/2	2-1/4	2-3/4	0.22
J7015M	15	55/64	55/64	11/16	2-1/4	2-3/4	0.25
J7016M	16	29/32	29/32	11/16	2-1/4	2-3/4	0.29
J7017M	17	1	1	11/16	2-1/4	2-3/4	0.37
J7018M	18	1-1/32	1-1/32	11/16	2-1/4	2-3/4	0.38
J7019M	19	1-1/16	1-1/16	11/16	2-1/4	2-3/4	0.38
J7020M	20	1-7/64	1-7/64	25/32	2-1/4	2-3/4	0.42
J7021M	21	1-5/32	1-5/32	25/32	2-1/4	2-3/4	0.46
J7022M	22	1-13/64	1-13/64	51/64	2-1/4	2-3/4	0.49
J7023M	23	1-1/4	1-1/4	51/64	2-1/4	2-3/4	0.53
J7024M	24	1-19/64	1-19/64	59/64	2-1/4	2-3/4	0.58

ASME B107.33M

3/8" DRIVE DEEP THIN WALL IMPACT SOCKETS - 6 POINT

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Designed to fit into smaller spaces.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Extra deep length helps improve access in confined areas.
- Often used in application where fasteners are close together, such as tire service.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7708HT	1/4	27/64	11/16	9/32	2-1/4	2	0.15
J7710HT	5/16	31/64	11/16	1/4	2-1/4	2	0.14
J7711HT	11/32	1/2	11/16	9/32	2-1/4	2	0.13
J7712HT	3/8	37/64	11/16	5/16	2-1/4	1-3/4	0.13
J7714HT	7/16	41/64	11/16	11/32	2-1/4	1-3/4	0.11
J7716HT	1/2	23/32	23/32	13/32	2-1/4	1-3/4	0.14
J7718HT	9/16	25/32	25/32	1/2	2-1/4	2	0.15
J7720HT	5/8	7/8	7/8	1/2	2-1/4	2-1/8	0.18
J7722HT	11/16	15/16	15/16	1/2	2-1/4	2-7/32	0.22
J7724HT	3/4	1	1	17/32	2-1/4	2-1/4	0.27
J7728HT	7/8	1-7/32	1-7/32	13/16	2-1/8	2-1/2	0.43
J7730HT	15/16	1-1/4	1-1/4	13/16	2-1/8	2-27/32	0.54

ASME B107.2

3/8" DRIVE METRIC DEEP THIN WALL IMPACT SOCKETS - 6 POINT

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Designed to fit into smaller spaces.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Extra deep length helps improve access in confined areas.
- Often used in application where fasteners are close together, such as tire service.



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7008MHT	8	31/64	11/16	1/4	1-1/4	2	0.11
J7009MHT	9	17/32	11/16	5/16	1-3/16	2	0.15
J7010MHT	10	19/32	11/16	11/32	1-5/32	2	0.11
J7011MHT	11	11/16	11/16	21/64	1-11/64	2	0.12
J7012MHT	12	11/16	11/16	3/8	1-1/8	2	0.11
J7013MHT	13	45/64	45/64	13/32	1-3/32	2	0.11
J7014MHT	14	25/32	25/32	15/32	1-1/32	2	0.14
J7015MHT	15	53/64	53/64	1/2	1	2	0.18
J7016MHT	16	7/8	7/8	1/2	1	2	0.17
J7017MHT	17	1	1	1/2	1	2	0.20
J7018MHT	18	31/32	31/32	1/2	1	2	0.20
J7019MHT	19	1	1	17/32	31/32	2	0.25

3/8" DRIVE HIGH STRENGTH MAGNETIC IMPACT SOCKETS - 6 POINT

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Impact sockets with high impact strength are used in automated and hand impact socket applications.
- Socket size stamped on tool for easy identification.
- Side locking hole.



Product #	Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7208HF	1/4	7/16	11/16	11/64	1-3/32	0.07
J7210HF	5/16	1/2	11/16	3/16	1-3/32	0.08
J7212HF	3/8	39/64	11/16	15/64	1-3/32	0.08
J7214HF	7/16	11/16	11/16	1/4	1-3/32	0.08
J7216HF	1/2	3/4	3/4	9/32	1-3/32	0.08
J7218HF	9/16	13/16	13/16	21/64	1-3/32	0.12
J7220HF	5/8	29/32	29/32	23/64	1-7/32	0.16

ASME B107.33M

3/8" DRIVE METRIC HIGH STRENGTH MAGNETIC IMPACT SOCKETS - 6 POINT

METRIC

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Impact sockets with high impact strength are used in automated and hand impact socket applications.
- Socket size stamped on tool for easy identification.
- Side locking hole.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7207MHF	7	31/64	11/16	11/64	1-3/32	0.08
J7208MHF	8	1/2	11/16	11/64	1-3/32	0.07
J7210MHF	10	5/8	11/16	7/32	1-9/64	0.08
J7211MHF	11	11/16	11/16	17/64	1-9/64	0.08
J7212MHF	12	47/64	47/64	9/32	1-9/64	0.09
J7213MHF	13	3/4	3/4	19/64	1-13/64	0.10
J7214MHF	14	13/16	13/16	21/64	1-13/64	0.12
J7215MHF	15	55/64	55/64	21/64	1-13/64	0.14
J7217MHF	17	1	1	25/64	1-1/4	0.20
J7218MHF	18	1-1/32	1-1/32	25/64	1-1/4	0.21

ASME B107.33

3/8" DRIVE IMPACT SOCKETS - 8 POINT

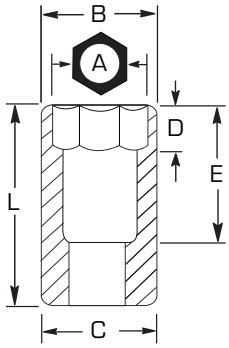
TORQUEPLUS FASTENING SYSTEM



- Proto® 8 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it esy to position socket on fasteners.
- Made from high strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand higher torque and force associated with impact tools in repetitive application.
- Socket size stamped on tool for easy identification.
- Side locking hole.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7208S	1/4	31/64	11/16	1/4	1/2	1	0.07
J7210S	5/16	5/8	11/16	9/32	1/2	1	0.06
J7212S	3/8	11/16	11/16	5/16	1/2	1	0.06
J7214S	7/16	13/16	13/16	21/64	1/2	1	0.10
J7216S	1/2	59/64	15/16	3/8	9/16	1-1/16	0.13
J7218S	9/16	1-3/32	1-3/16	9/16	5/8	1-1/8	0.17

ASME B107.2



3/8" DRIVE IMPACT HEX BIT SOCKETS



Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J72901/8	1/8	1-5/8	2-23/32	0.07
J72905/32	5/32	1-5/8	2-23/32	0.08
J72903/16	3/16	1-5/8	2-23/32	0.08
J72907/32	7/32	1-5/8	2-23/32	0.09
J72901/4	1/4	1-5/8	2-23/32	0.10
J72905/16	5/16	1-5/8	2-23/32	0.13
J72903/8	3/8	1-5/8	2-23/32	0.14

3/8" DRIVE METRIC IMPACT HEX BIT SOCKETS

METRIC



- Size stamped on tool for easy identification.
- Side locking hole.

Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J7290-4M	4	1-5/8	2-23/32	0.07
J7290-5M	5	1-5/8	2-23/32	0.08
J7290-6M	6	1-5/8	2-23/32	0.09
J7290-8M	8	1-5/8	2-23/32	0.12
J7290-10M	10	1-5/8	2-23/32	0.14

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3/8" DRIVE TORX® IMPACT SOCKETS

- Made of heat-treated alloy steel.
- Socket size stamped on tool for easy identification.
- Side locking hole.
- For use with Torx® style fasteners.



Product #	Torx® Size	Length (in)	Overall Length (in)	Weight (lbs)
J7206TX	E6	1-1/4	1-1/4	0.06
J7207TX	E7	1-1/4	1-1/4	0.07
J7208TX	E8	1-1/4	1-1/4	0.07
J7210TX	E10	1-1/4	1-1/4	0.07
J7212TX	E12	1-1/4	1-1/4	0.07
J7214TX	E14	1-1/4	1-1/4	0.09
J7216TX	E16	1-1/4	1-1/4	0.10

3/8" DRIVE IMPACT UNIVERSAL SOCKETS - 6 POINT

- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

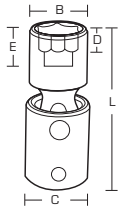


Product #	Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J77273P	3/8	9/16	61/64	7/16	7/16	1-57/64	0.30
J77274P	7/16	21/32	61/64	7/16	7/16	1-63/64	0.31
J77275P	1/2	3/4	61/64	7/16	7/16	2-1/64	0.32
J77276P	9/16	13/16	61/64	7/16	7/16	2-1/64	0.33
J77277P	5/8	29/32	61/64	7/16	7/16	2-5/64	0.35
J77278P	11/16	1	61/64	7/16	7/16	2-7/64	0.29
J77279P	3/4	1-1/16	61/64	7/16	7/16	2-7/64	0.29

ASME B107.2

3/8" DRIVE METRIC IMPACT UNIVERSAL SOCKETS - 6 POINT





METRIC

Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J77408MP	8	15/16	7/16	7/16	2	0.26
J77410MP	10	15/16	7/16	7/16	2	0.21
J77411MP	11	15/16	7/16	7/16	2	0.22
J77412MP	12	15/16	7/16	7/16	2-1/32	0.22
J77413MP	13	15/16	7/16	7/16	2-1/32	0.23
J77414MP	14	15/16	7/16	7/16	2-1/16	0.23
J77415MP	15	15/16	7/16	7/16	2-1/16	0.24
J77416MP	16	15/16	7/16	7/16	2-3/32	0.25
J77417MP	17	15/16	7/16	7/16	2-1/8	0.26
J77418MP	18	15/16	7/16	7/16	2-1/8	0.28
J77419MP	19	15/16	7/16	7/16	2-1/8	0.28

3/8" DRIVE METRIC DEEP UNIVERSAL IMPACT SOCKETS - 6 POINT



METRIC

Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J78410MP	10	15/16	3/8	1	2	0.24
J78411MP	11	15/16	3/8	1	2	0.25
J78412MP	12	15/16	3/8	1	2-1/32	0.28
J78413MP	13	15/16	13/32	1-1/32	2-1/32	0.28
J78414MP	14	15/16	13/32	1-1/32	2-1/16	0.30
J78415MP	15	15/16	13/32	1-1/32	2-1/16	0.31
J78416MP	16	15/16	7/16	1-1/16	2-3/32	0.32
J78417MP	17	15/16	7/16	1-1/8	2-1/8	0.36
J78418MP	18	15/16	15/32	1-1/8	2-1/8	0.36
J78419MP	19	15/16	1/2	1-9/64	2-1/8	0.38

3/8" DRIVE METRIC UNIVERSAL IMPACT SOCKETS - 12 POINT



METRIC

Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J77510MP	10	15/16	7/16	7/16	2	0.21
J77511MP	11	15/16	7/16	7/16	2	0.22
J77512MP	12	15/16	7/16	7/16	2-1/32	0.22
J77513MP	13	15/16	7/16	7/16	2-1/32	0.23
J77514MP	14	15/16	7/16	7/16	2-1/16	0.23
J77515MP	15	15/16	7/16	7/16	2-1/16	0.24
J77516MP	16	15/16	7/16	7/16	2-3/32	0.25
J77517MP	17	15/16	7/16	7/16	2-1/8	0.26
J77518MP	18	15/16	7/16	7/16	2-1/8	0.28
J77519MP	19	15/16	7/16	7/16	2-1/8	0.28

3/8" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.

Product #	Size (in)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J77270P	3/8	15/16	2-1/32	0.21



3/8" DRIVE IMPACT ADAPTERS

Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J7653	3/4" F x 1/2" M	2-1/16	0.48
J7650	3/8" F x 1/2" M	1-5/16	0.13
J7651	1/2" F x 3/8" M	1-7/16	0.12

ASME B107.2

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not overtorque small sockets when using them with adapters on large drive tools.
- Size stamped on tool for easy identification.
- Side locking hole.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE IMPACT EXTENSIONS

- Use extensions to gain access to fasteners in locations that would otherwise be difficult to reach.
- Male square is oriented in line with female squares for use with fixed head torque wrenches.
- Full chamfer at drive opening (when applicable) for easy engagement with drive tools.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Size stamped on tool for easy identification.
- Side locking hole.

Product #	Overall Length (in) (L)	Weight (lbs)
J7175P	3	0.16
J7176P	6	0.32
J7178P	12	0.64
		ASME B107.2



3/8" DRIVE IMPACT LOCKING EXTENSIONS

- Black oxide finish.
- Easy operating spring-loaded locking mechanism.

Product #	Overall Length (in) (L)	Weight (lbs)
J7203L	3	0.25
J7206L	6	0.41
J7212L	12	0.75



3/8" DRIVE HAND IMPACT DRIVER

- Designed to loosen hard to turn bolts and screws.
- Heavy-duty spring for added torque.

Product #	Overall Length (in) (L)	Weight (lbs)
J7099	5-1/2	1.68



3/8" DRIVE RETAINING RINGS

- Proto® 3/8" Drive Retaining Rings have a one-piece, without a crush gauge.



Product #	Description	For Groove Dia. (in)	Diameter (in)	Height (in)	Weight (lbs)
JRR37560	Retaining Ring, 3/8" DR 600 GRV	19/32	11/16	1/16	0.01
JRR37567	Retaining Ring, 3/8" DR 670 GRV	43/64	3/4	1/16	0.01
JRR37575	Retaining Ring, 3/8" DR 750 GRV	3/4	13/16	1/16	0.01
JRR37582	Retaining Ring, 3/8" DR 820 GRV	13/64	7/8	1/16	0.01
JRR37595	Retaining Ring, 3/8" DR 950 GRV	61/64	1	1/16	0.01
JRR37511	Retaining Ring, 3/8" DR 1100 GRV	1-3/32"	1-3/16	1/16	0.01
JRR37512	Retaining Ring, 3/8" DR 1200 GRV	1-3/16"	1-1/4	1/16	0.01

1/2" DRIVE 25 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J74206

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 10.28

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7408M	Socket, Impact 1/2" DR 8 mm 6 PT	ASME B107.33M
J7409M	Socket, Impact 1/2" DR 9 mm 6 PT	ASME B107.33M
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT	ASME B107.33M
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT	ASME B107.33M
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT	ASME B107.33M
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT	ASME B107.33M
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT	ASME B107.33M
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT	ASME B107.33M
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT	ASME B107.33M
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT	ASME B107.33M
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT	ASME B107.33M
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT	ASME B107.33M
J7420M	Socket, Impact 1/2" DR 20 mm 6 PT	ASME B107.33M
J7421M	Socket, Impact 1/2" DR 21 mm 6 PT	ASME B107.33M
J7422M	Socket, Impact 1/2" DR 22 mm 6 PT	ASME B107.33M
J7423M	Socket, Impact 1/2" DR 23 mm 6 PT	ASME B107.33M
J7424M	Socket, Impact 1/2" DR 24 mm 6 PT	ASME B107.33M
J7425M	Socket, Impact 1/2" DR 25 mm 6 PT	ASME B107.33M
J7426M	Socket, Impact 1/2" DR 26 mm 6 PT	ASME B107.33M
J7427M	Socket, Impact 1/2" DR 27 mm 6 PT	ASME B107.33M
J7428M	Socket, Impact 1/2" DR 28 mm 6 PT	ASME B107.33M
J7429M	Socket, Impact 1/2" DR 29 mm 6 PT	ASME B107.33M
J7430M	Socket, Impact 1/2" DR 30 mm 6 PT	ASME B107.33M
J7432M	Socket, Impact 1/2" DR 32 mm 6 PT	ASME B107.33M
J7436M	Socket, Impact 1/2" DR 36 mm 6 PT	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 25 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J74216

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 19.63

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7308M	Socket, Impact 1/2" DR 8 mm 6 PT Deep	ASME B107.33M
J7309M	Socket, Impact 1/2" DR 9 mm 6 PT Deep	ASME B107.33M
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep	ASME B107.33M
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep	ASME B107.33M
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep	ASME B107.33M
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep	ASME B107.33M
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep	ASME B107.33M
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep	ASME B107.33M
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep	ASME B107.33M
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep	ASME B107.33M
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep	ASME B107.33M
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep	ASME B107.33M
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep	ASME B107.33M
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep	ASME B107.33M
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep	ASME B107.33M
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep	ASME B107.33M
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep	ASME B107.33M
J7325M	Socket, Impact 1/2" DR 25 mm 6 PT Deep	ASME B107.33M
J7326M	Socket, Impact 1/2" DR 26 mm 6 PT Deep	ASME B107.33M
J7327M	Socket, Impact 1/2" DR 27 mm 6 PT Deep	ASME B107.33M
J7328M	Socket, Impact 1/2" DR 28 mm 6 PT Deep	ASME B107.33M
J7329M	Socket, Impact 1/2" DR 29 mm 6 PT Deep	ASME B107.33M
J7330M	Socket, Impact 1/2" DR 30 mm 6 PT Deep	ASME B107.33M
J7332M	Socket, Impact 1/2" DR 32 mm 6 PT Deep	ASME B107.33M
J7336M	Socket, Impact 1/2" DR 36 mm 6 PT Deep	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 19 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J74106

Contents	Description	ASME Spec.
J7412H	Socket, Impact 1/2" DR 3/8" 6 PT	ASME B107.2
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT	ASME B107.2
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT	ASME B107.2
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT	ASME B107.2
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT	ASME B107.2
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT	ASME B107.2
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT	ASME B107.2
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT	ASME B107.2
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT	ASME B107.2
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT	ASME B107.2
J7432H	Socket, Impact 1/2" DR 1" 6 PT	ASME B107.2
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT	ASME B107.2
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT	ASME B107.2
J7438H	Socket, Impact 1/2" DR 1-3/16" 6 PT	ASME B107.2
J7440H	Socket, Impact 1/2" DR 1-1/4" 6 PT	ASME B107.2
J7442H	Socket, Impact 1/2" DR 1-5/16" 6 PT	ASME B107.2
J7444H	Socket, Impact 1/2" DR 1-3/8" 6 PT	ASME B107.2
J7446H	Socket, Impact 1/2" DR 1-7/16" 6 PT	ASME B107.2
J7448H	Socket, Impact 1/2" DR 1-1/2" 6 PT	ASME B107.2
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	
J2585	Socket, Bar 9"	

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 10.06

TORQUEPLUS FASTENING SYSTEM



1/2" DRIVE 19 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J74116

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 18.72

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7312H	Socket, Impact 1/2" DR 3/8" 6 PT Deep	ASME B107.2
J7314H	Socket, Impact 1/2" DR 7/16" 6 PT Deep	ASME B107.2
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep	ASME B107.2
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep	ASME B107.2
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep	ASME B107.2
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep	ASME B107.2
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep	ASME B107.2
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep	ASME B107.2
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep	ASME B107.2
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep	ASME B107.2
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep	ASME B107.2
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep	ASME B107.2
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep	ASME B107.2
J7338H	Socket, Impact 1/2" DR 1-3/16" 6 PT Deep	ASME B107.2
J7340H	Socket, Impact 1/2" DR 1-1/4" 6 PT Deep	ASME B107.2
J7342H	Socket, Impact 1/2" DR 1-5/16" 6 PT Deep	ASME B107.2
J7344H	Socket, Impact 1/2" DR 1-3/8" 6 PT Deep	ASME B107.2
J7346H	Socket, Impact 1/2" DR 1-7/16" 6 PT Deep	ASME B107.2
J7348H	Socket, Impact 1/2" DR 1-1/2" 6 PT Deep	ASME B107.2
J2585	Socket, Bar 9"	
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 18 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72149M



- Deep Sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 mm.
- Accessories: Socket Clip and Socket Rails.
- Weight (lbs): 9.32

Contents	Description	ASME Spec.
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep	ASME B107.33M
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep	ASME B107.33M
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep	ASME B107.33M
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep	ASME B107.33M
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep	ASME B107.33M
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep	ASME B107.33M
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep	ASME B107.33M
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep	ASME B107.33M
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep	ASME B107.33M
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep	ASME B107.33M
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep	ASME B107.33M
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep	ASME B107.33M
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep	ASME B107.33M
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep	ASME B107.33M
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep	ASME B107.33M
J7325M	Socket, Impact 1/2" DR 25 mm 6 PT Deep	ASME B107.33M
J7326M	Socket, Impact 1/2" DR 26 mm 6 PT Deep	ASME B107.33M
J7327M	Socket, Impact 1/2" DR 27 mm 6 PT Deep	ASME B107.33M
J2585	Socket, Bar 9"	
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 15 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J74104

Contents	Description	ASME Spec.
J7412H	Socket, Impact 1/2" DR 3/8" 6 PT	ASME B107.2
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT	ASME B107.2
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT	ASME B107.2
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT	ASME B107.2
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT	ASME B107.2
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT	ASME B107.2
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT	ASME B107.2
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT	ASME B107.2
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT	ASME B107.2
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT	ASME B107.2
J7432H	Socket, Impact 1/2" DR 1" 6 PT	ASME B107.2
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT	ASME B107.2
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT	ASME B107.2
J7438H	Socket, Impact 1/2" DR 1-3/16" 6 PT	ASME B107.2
J7440H	Socket, Impact 1/2" DR 1-1/4" 6 PT	ASME B107.2
J2584	Socket, Bar 6-1/4"	
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 6.44

TORQUEPLUS FASTENING SYSTEM



1/2" DRIVE 15 PIECE IMPACT METRIC THIN WALL SOCKET SET - 6 POINT

METRIC

Product #: J74217

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 7.51

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7310MHT	Socket, Impact Thin Wall 1/2" DR 10 mm 6 PT Deep	ASME B107.33M
J7311MHT	Socket, Impact Thin Wall 1/2" DR 11 mm 6 PT Deep	ASME B107.33M
J7312MHT	Socket, Impact Thin Wall 1/2" DR 12 mm 6 PT Deep	ASME B107.33M
J7313MHT	Socket, Impact Thin Wall 1/2" DR 13 mm 6 PT Deep	ASME B107.33M
J7314MHT	Socket, Impact Thin Wall 1/2" DR 14 mm 6 PT Deep	ASME B107.33M
J7315MHT	Socket, Impact Thin Wall 1/2" DR 15 mm 6 PT Deep	ASME B107.33M
J7316MHT	Socket, Impact Thin Wall 1/2" DR 16 mm 6 PT Deep	ASME B107.33M
J7317MHT	Socket, Impact Thin Wall 1/2" DR 17 mm 6 PT Deep	ASME B107.33M
J7318MHT	Socket, Impact Thin Wall 1/2" DR 18 mm 6 PT Deep	ASME B107.33M
J7319MHT	Socket, Impact Thin Wall 1/2" DR 19 mm 6 PT Deep	ASME B107.33M
J7320MHT	Socket, Impact Thin Wall 1/2" DR 20 mm 6 PT Deep	ASME B107.33M
J7321MHT	Socket, Impact Thin Wall 1/2" DR 21 mm 6 PT Deep	ASME B107.33M
J7322MHT	Socket, Impact Thin Wall 1/2" DR 22 mm 6 PT Deep	ASME B107.33M
J7323MHT	Socket, Impact Thin Wall 1/2" DR 23 mm 6 PT Deep	ASME B107.33M
J7324MHT	Socket, Impact Thin Wall 1/2" DR 24 mm 6 PT Deep	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 15 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

Product #: J74214

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 8.61

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep	ASME B107.33M
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep	ASME B107.33M
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep	ASME B107.33M
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep	ASME B107.33M
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep	ASME B107.33M
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep	ASME B107.33M
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep	ASME B107.33M
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep	ASME B107.33M
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep	ASME B107.33M
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep	ASME B107.33M
J7320M	Socket, Impact 1/2" DR 20 mm 6 PT Deep	ASME B107.33M
J7321M	Socket, Impact 1/2" DR 21 mm 6 PT Deep	ASME B107.33M
J7322M	Socket, Impact 1/2" DR 22 mm 6 PT Deep	ASME B107.33M
J7323M	Socket, Impact 1/2" DR 23 mm 6 PT Deep	ASME B107.33M
J7324M	Socket, Impact 1/2" DR 24 mm 6 PT Deep	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE 15 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J74114



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 11.91

TORQUEPLUS FASTENING SYSTEM

Contents	Description	ASME Spec.
J7312H	Socket, Impact 1/2" DR 3/8" 6 PT Deep	ASME B107.2
J7314H	Socket, Impact 1/2" DR 7/16" 6 PT Deep	ASME B107.2
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep	ASME B107.2
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep	ASME B107.2
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep	ASME B107.2
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep	ASME B107.2
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep	ASME B107.2
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep	ASME B107.2
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep	ASME B107.2
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep	ASME B107.2
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep	ASME B107.2
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep	ASME B107.2
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep	ASME B107.2
J7338H	Socket, Impact 1/2" DR 1-3/16" 6 PT Deep	ASME B107.2
J7340H	Socket, Impact 1/2" DR 1-1/4" 6 PT Deep	ASME B107.2
J2584	Socket, Bar 6-1/4"	
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 15 PIECE DEEP THIN WALL IMPACT SOCKET SET - 6 POINT

Product #: J74117

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil. Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Often used in application where fasteners are close together, such as tire service.
- Extra deep length helps improve access in confined areas.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Designed to fit into smaller spaces.
- Weight (lbs): 10.06



TORQUEPLUS FASTENING SYSTEM

Contents	Description	ASME Spec.
J7312HT	Socket, Impact Thin Wall 1/2" DR 3/8" 6 PT Deep	ASME B107.2
J7314HT	Socket, Impact Thin Wall 1/2" DR 7/16" 6 PT Deep	ASME B107.2
J7316HT	Socket, Impact Thin Wall 1/2" DR 1/2" 6 PT Deep	ASME B107.2
J7318HT	Socket, Impact Thin Wall 1/2" DR 9/16" 6 PT Deep	ASME B107.2
J7320HT	Socket, Impact Thin Wall 1/2" DR 5/8" 6 PT Deep	ASME B107.2
J7322HT	Socket, Impact Thin Wall 1/2" DR 11/16" 6 PT Deep	ASME B107.2
J7324HT	Socket, Impact Thin Wall 1/2" DR 3/4" 6 PT Deep	ASME B107.2
J7326HT	Socket, Impact Thin Wall 1/2" DR 13/16" 6 PT Deep	ASME B107.2
J7328HT	Socket, Impact Thin Wall 1/2" DR 7/8" 6 PT Deep	ASME B107.2
J7330HT	Socket, Impact Thin Wall 1/2" DR 15/16" 6 PT Deep	ASME B107.2
J7332HT	Socket, Impact Thin Wall 1/2" DR 1" 6 PT Deep	ASME B107.2
J7334HT	Socket, Impact Thin Wall 1/2" DR 1-1/16" 6 PT Deep	ASME B107.2
J7336HT	Socket, Impact Thin Wall 1/2" DR 1-1/8" 6 PT Deep	ASME B107.2
J7338HT	Socket, Impact Thin Wall 1/2" DR 1-3/16" 6 PT Deep	ASME B107.2
J7340HT	Socket, Impact Thin Wall 1/2" DR 1-1/4" 6 PT Deep	ASME B107.2

1/2" DRIVE 15 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J74204

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 4.28

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT	ASME B107.33M
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT	ASME B107.33M
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT	ASME B107.33M
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT	ASME B107.33M
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT	ASME B107.33M
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT	ASME B107.33M
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT	ASME B107.33M
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT	ASME B107.33M
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT	ASME B107.33M
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT	ASME B107.33M
J7420M	Socket, Impact 1/2" DR 20 mm 6 PT	ASME B107.33M
J7421M	Socket, Impact 1/2" DR 21 mm 6 PT	ASME B107.33M
J7422M	Socket, Impact 1/2" DR 22 mm 6 PT	ASME B107.33M
J7423M	Socket, Impact 1/2" DR 23 mm 6 PT	ASME B107.33M
J7424M	Socket, Impact 1/2" DR 24 mm 6 PT	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 11 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J74102

Contents	Description	ASME Spec.
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT	ASME B107.2
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT	ASME B107.2
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT	ASME B107.2
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT	ASME B107.2
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT	ASME B107.2
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT	ASME B107.2
J7428H	Socket, Impact 1/2" DR 7/8" 6 PT	ASME B107.2
J7430H	Socket, Impact 1/2" DR 15/16" 6 PT	ASME B107.2
J7432H	Socket, Impact 1/2" DR 1" 6 PT	ASME B107.2
J7434H	Socket, Impact 1/2" DR 1-1/16" 6 PT	ASME B107.2
J7436H	Socket, Impact 1/2" DR 1-1/8" 6 PT	ASME B107.2
J2586	Socket, Bar 13"	
J2592	Socket, Clip 1/2" DR	

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 4.10

TORQUEPLUS FASTENING SYSTEM



1/2" DRIVE 11 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J74112

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 8.03

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep	ASME B107.2
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep	ASME B107.2

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description	ASME Spec.
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep	ASME B107.2
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep	ASME B107.2
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep	ASME B107.2
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep	ASME B107.2
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep	ASME B107.2
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep	ASME B107.2
J7332H	Socket, Impact 1/2" DR 1" 6 PT Deep	ASME B107.2
J7334H	Socket, Impact 1/2" DR 1-1/16" 6 PT Deep	ASME B107.2
J7336H	Socket, Impact 1/2" DR 1-1/8" 6 PT Deep	ASME B107.2
J2586	Socket, Bar 13"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 10 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J74202



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 2.15

TORQUEPLUS FASTENING SYSTEM

Contents	Description	ASME Spec.
J7410M	Socket, Impact 1/2" DR 10 mm 6 PT	ASME B107.33M
J7411M	Socket, Impact 1/2" DR 11 mm 6 PT	ASME B107.33M
J7412M	Socket, Impact 1/2" DR 12 mm 6 PT	ASME B107.33M
J7413M	Socket, Impact 1/2" DR 13 mm 6 PT	ASME B107.33M
J7414M	Socket, Impact 1/2" DR 14 mm 6 PT	ASME B107.33M
J7415M	Socket, Impact 1/2" DR 15 mm 6 PT	ASME B107.33M
J7416M	Socket, Impact 1/2" DR 16 mm 6 PT	ASME B107.33M
J7417M	Socket, Impact 1/2" DR 17 mm 6 PT	ASME B107.33M
J7418M	Socket, Impact 1/2" DR 18 mm 6 PT	ASME B107.33M
J7419M	Socket, Impact 1/2" DR 19 mm 6 PT	ASME B107.33M
J2586	Socket, Bar 13"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 10 PIECE METRIC DEEP IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J74212



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Weight (lbs): 4.78

TORQUEPLUS FASTENING SYSTEM

Contents	Description	ASME Spec.
J7310M	Socket, Impact 1/2" DR 10 mm 6 PT Deep	ASME B107.33M
J7311M	Socket, Impact 1/2" DR 11 mm 6 PT Deep	ASME B107.33M
J7312M	Socket, Impact 1/2" DR 12 mm 6 PT Deep	ASME B107.33M
J7313M	Socket, Impact 1/2" DR 13 mm 6 PT Deep	ASME B107.33M
J7314M	Socket, Impact 1/2" DR 14 mm 6 PT Deep	ASME B107.33M
J7315M	Socket, Impact 1/2" DR 15 mm 6 PT Deep	ASME B107.33M
J7316M	Socket, Impact 1/2" DR 16 mm 6 PT Deep	ASME B107.33M
J7317M	Socket, Impact 1/2" DR 17 mm 6 PT Deep	ASME B107.33M
J7318M	Socket, Impact 1/2" DR 18 mm 6 PT Deep	ASME B107.33M
J7319M	Socket, Impact 1/2" DR 19 mm 6 PT Deep	ASME B107.33M
J2587	Socket, Bar 17"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 8 PIECE DEEP IMPACT SOCKET SET - 6 POINT

Product #: J72159

Contents	Description	ASME Spec.
J7316H	Socket, Impact 1/2" DR 1/2" 6 PT Deep	ASME B107.2
J7318H	Socket, Impact 1/2" DR 9/16" 6 PT Deep	ASME B107.2
J7320H	Socket, Impact 1/2" DR 5/8" 6 PT Deep	ASME B107.2
J7322H	Socket, Impact 1/2" DR 11/16" 6 PT Deep	ASME B107.2
J7324H	Socket, Impact 1/2" DR 3/4" 6 PT Deep	ASME B107.2
J7326H	Socket, Impact 1/2" DR 13/16" 6 PT Deep	ASME B107.2
J7328H	Socket, Impact 1/2" DR 7/8" 6 PT Deep	ASME B107.2
J7330H	Socket, Impact 1/2" DR 15/16" 6 PT Deep	ASME B107.2
J2588	Socket, Bar 11"	
J2592	Socket, Clip 1/2" DR	

- Deep Sockets: 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 Inch.
- Accessories: Socket Clip and Socket Rail.
- Weight (lbs): 4.01



1/2" DRIVE 7 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J72157

Contents	Description	ASME Spec.
J7414H	Socket, Impact 1/2" DR 7/16" 6 PT	ASME B107.2
J7416H	Socket, Impact 1/2" DR 1/2" 6 PT	ASME B107.2
J7418H	Socket, Impact 1/2" DR 9/16" 6 PT	ASME B107.2
J7420H	Socket, Impact 1/2" DR 5/8" 6 PT	ASME B107.2
J7422H	Socket, Impact 1/2" DR 11/16" 6 PT	ASME B107.2
J7424H	Socket, Impact 1/2" DR 3/4" 6 PT	ASME B107.2
J7426H	Socket, Impact 1/2" DR 13/16" 6 PT	ASME B107.2
J2588	Socket, Bar 11"	
J2592	Socket, Clip 1/2" DR	

- Standard Sockets: 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16 Inch.
- Accessories: Socket Clip and Socket Rail.
- Weight (lbs): 3.08



1/2" DRIVE 8 PIECE DEEP UNIVERSAL IMPACT SOCKET SET - 6 POINT

Product #: J72145

Contents	Description
J75275P	Socket, Impact 1/2" DR Universal 1/2" 6 PT Deep
J75276P	Socket, Impact 1/2" DR Universal 9/16" 6 PT Deep
J75277P	Socket, Impact 1/2" DR Universal 5/8" 6 PT Deep
J75278P	Socket, Impact 1/2" DR Universal 11/16" 6 PT Deep
J75279P	Socket, Impact 1/2" DR Universal 3/4" 6 PT Deep
J75280P	Socket, Impact 1/2" DR Universal 13/16" 6 PT Deep
J75281P	Socket, Impact 1/2" DR Universal 7/8" 6 PT Deep
J75282P	Socket, Impact 1/2" DR Universal 15/16" 6 PT Deep
J2592	Socket, Clip 1/2" DR
J2588	Socket, Bar 11"

- Universal Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16 Inch.
- Accessories: Socket Clip and Socket Rail.
- Weight (lbs): 3.68



1/2" DRIVE 7 PIECE METRIC DEEP IMPACT UNIVERSAL SOCKET SET - 6 POINT

Product #: J72147M

Contents	Description
J75413MP	Socket, Impact 1/2" DR Universal 13 mm 6 PT Deep
J75414MP	Socket, Impact 1/2" DR Universal 14 mm 6 PT Deep
J75415MP	Socket, Impact 1/2" DR Universal 15 mm 6 PT Deep
J75416MP	Socket, Impact 1/2" DR Universal 16 mm 6 PT Deep
J75417MP	Socket, Impact 1/2" DR Universal 17 mm 6 PT Deep
J75418MP	Socket, Impact 1/2" DR Universal 18 mm 6 PT Deep
J75419MP	Socket, Impact 1/2" DR Universal 19 mm 6 PT Deep
J2592	Socket, Clip 1/2" DR
J2588	Socket, Bar 11"

- Universal Sockets: 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Socket Clip and Socket Rail.
- Weight (lbs): 4.07



1/2" DRIVE 7 PIECE METRIC UNIVERSAL IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J72143M

Contents	Description
J74413MP	Socket, Impact 1/2" DR Universal 13 mm 6 PT
J74414MP	Socket, Impact 1/2" DR Universal 14 mm 6 PT
J74415MP	Socket, Impact 1/2" DR Universal 15 mm 6 PT
J74416MP	Socket, Impact 1/2" DR Universal 16 mm 6 PT
J74417MP	Socket, Impact 1/2" DR Universal 17 mm 6 PT
J74418MP	Socket, Impact 1/2" DR Universal 18 mm 6 PT
J74419MP	Socket, Impact 1/2" DR Universal 19 mm 6 PT
J2592	Socket, Clip 1/2" DR
J2588	Socket, Bar 11"

- Universal Sockets: 13, 14, 15, 16, 17, 18, 19 mm.
- Accessories: Socket Clip and Socket Rail.
- Weight (lbs) 3.32



1/2" DRIVE 7 PIECE UNIVERSAL IMPACT SOCKET SET - 6 POINT

Product #: J74142

- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.
- Weight (lbs): 3.24

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J74274P	Socket, Impact 1/2" DR 7/16" 6 PT Universal	ASME B107.2
J74275P	Socket, Impact 1/2" DR 1/2" 6 PT Universal	ASME B107.2
J74276P	Socket, Impact 1/2" DR 9/16" 6 PT Universal	ASME B107.2
J74277P	Socket, Impact 1/2" DR 5/8" 6 PT Universal	ASME B107.2
J74278P	Socket, Impact 1/2" DR 11/16" 6 PT Universal	ASME B107.2
J74279P	Socket, Impact 1/2" DR 3/4" 6 PT Universal	ASME B107.2
J74280P	Socket, Impact 1/2" DR 13/16" 6 PT Universal	ASME B107.2
J2585	Socket, Bar 9"	
J2592	Socket, Clip 1/2" DR	

1/2" DRIVE 7 PIECE HEX BIT IMPACT SOCKET SET

Product #: J74152

- Made of forged steel.
- Size stamped on tool for easy identification.
- Side locking hole.
- Weight (lbs): 2.98

Contents	Description
J74411/4	Socket, Impact Hex Bit 1/2" DR 1/4"
J74415/16	Socket, Impact Hex Bit 1/2" DR 5/16"
J74413/8	Socket, Impact Hex Bit 1/2" DR 3/8"
J74417/16	Socket, Impact Hex Bit 1/2" DR 7/16"
J74411/2	Socket, Impact Hex Bit 1/2" DR 1/2"
J74419/16	Socket, Impact Hex Bit 1/2" DR 9/16"
J74415/8	Socket, Impact Hex Bit 1/2" DR 5/8"
J2585	Socket, Bar 9"
J2592	Socket, Clip 1/2" DR



1/2" DRIVE 6 PIECE METRIC HEX BIT IMPACT SOCKET SET

METRIC

Product #: J74252

- Made of forged steel.
- Size stamped on tool for easy identification.
- Side locking hole.
- Weight (lbs): 2.55



Contents	Description
J7441-6M	Socket, Impact Hex Bit 1/2" DR 6 mm
J7441-8M	Socket, Impact Hex Bit 1/2" DR 8 mm
J7441-10M	Socket, Impact Hex Bit 1/2" DR 10 mm
J7441-12M	Socket, Impact Hex Bit 1/2" DR 12 mm
J7441-14M	Socket, Impact Hex Bit 1/2" DR 14 mm
J7441-17M	Socket, Impact Hex Bit 1/2" DR 17 mm
J2585	Socket, Bar 9"
J2592	Socket, Clip 1/2" DR

1/2" DRIVE 3 PIECE LOCKING IMPACT EXTENSION SET

Product #: J7515

- Solid one-piece design helps prevent the locking components from becoming loose or disengaged.
- Patented locking feature locks sockets to the extension with exceptional force.
- Knurled shank provides a slip-resistant grip when hand-turning the extension.
- Weight (lbs): 2.06



Contents	Description
J7503	Extension, Impact 1/2" DR x 3" Locking
J7505	Extension, Impact 1/2" DR x 5" Locking
J7510	Extension, Impact 1/2" DR x 10" Locking

1/2" DRIVE IMPACT SOCKETS - 6 POINT

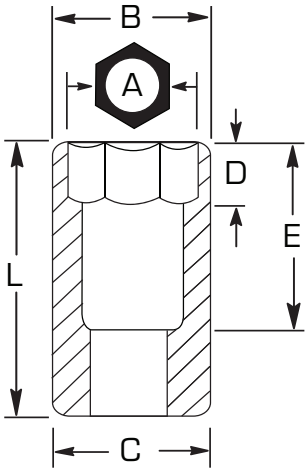
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7412H	3/8	41/64	15/16	11/32	27/32	1-1/2	0.17
J7414H	7/16	23/32	15/16	13/32	27/32	1-1/2	0.18
J7416H	1/2	51/64	15/16	13/32	27/32	1-1/2	0.18
J7418H	9/16	7/8	15/16	7/16	27/32	1-1/2	0.18
J7420H	5/8	1	1	1/2	27/32	1-1/2	0.20
J7422H	11/16	1-1/32	1-1/32	1/2	27/32	1-1/2	0.22
J7424H	3/4	1-7/64	1-7/64	51/64	27/32	1-1/2	0.24
J7426H	13/16	1-13/64	1-13/64	11/16	31/32	1-5/8	0.31
J7428H	7/8	1-17/64	1-9/32	43/64	31/32	1-5/8	0.34
J7430H	15/16	1-23/64	1-23/64	51/64	1-3/32	1-3/4	0.44
J7432H	1	1-1/2	1-1/2	25/32	1-3/32	1-3/4	0.55
J7434H	1-1/16	1-33/64	1-33/64	25/32	1-3/32	1-3/4	0.53
J7436H	1-1/8	1-19/32	1-19/32	25/32	1-1/32	2	0.65
J7438H	1-3/16	1-19/32	1-19/32	3/4	1-1/64	2	0.85
J7440H	1-1/4	1-3/4	1-3/4	3/4	1-3/4	2	0.78
J7442H	1-5/16	1-3/4	1-3/4	13/16	63/64	2	0.73
J7444H	1-3/8	1-51/64	1-5/8	15/16	1-3/32	2-1/8	0.72
J7446H	1-7/16	1-59/64	1-5/8	1	1-37/64	2-15/64	0.87
J7448H	1-1/2	2	1-5/8	1	1-37/64	2-15/64	1.03
J7450H	1-9/16	2-1/32	1-5/8	1	1-1/2	2-1/4	1.16

ASME B107.2





1/2" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7408M	8	37/64	15/16	9/32	27/32	1-1/2	0.18
J7409M	9	41/64	15/16	3/8	27/32	1-1/2	0.18
J7410M	10	43/64	15/16	3/8	27/32	1-1/2	0.18
J7411M	11	23/32	15/16	3/8	27/32	1-1/2	0.18
J7412M	12	51/64	15/16	13/32	27/32	1-1/2	0.17
J7413M	13	51/64	15/16	7/16	27/32	1-1/2	0.16
J7414M	14	7/8	15/16	15/32	27/32	1-1/2	0.18
J7415M	15	15/16	15/16	1/2	27/32	1-1/2	0.18
J7416M	16	1	1	17/32	27/32	1-1/2	0.20
J7417M	17	1-1/32	1-1/32	9/16	27/32	1-1/2	0.22
J7418M	18	1-1/8	1-1/8	51/64	27/32	1-1/2	0.27
J7419M	19	1-7/64	1-7/64	47/64	27/32	1-1/2	0.25
J7420M	20	1-5/32	1-5/32	11/16	31/32	1-5/8	0.30
J7421M	21	1-13/64	1-13/64	43/64	31/32	1-5/8	0.30
J7422M	22	1-9/32	1-9/32	43/64	31/32	1-5/8	0.36
J7423M	23	1-3/8	1-3/8	43/64	31/32	1-5/8	0.39
J7424M	24	1-23/64	1-23/64	43/64	31/32	1-5/8	0.43
J7425M	25	1-3/8	1-3/8	51/64	1-3/32	1-3/4	0.48
J7426M	26	1-1/2	1-1/2	1-1/32	1-11/32	2	0.54
J7427M	27	1-1/2	1-1/2	1-1/32	1-11/32	2	0.62
J7428M	28	1-5/8	1-5/8	1-1/32	1-11/32	2	0.72
J7429M	29	1-5/8	1-5/8	1-1/64	1-11/32	2	0.67
J7430M	30	1-33/64	1-33/64	25/32	1-3/32	2	0.82
J7431M	31	1-33/64	1-33/64	51/64	1-3/32	2	0.83
J7432M	32	1-33/64	1-33/64	51/64	1-3/32	2	0.75
J7433M	33	1-27/32	1-27/32	1-1/64	1-9/32	2	0.95
J7434M	34	1-29/32	1-29/32	1-1/64	1-9/32	2	1.00
J7436M	36	2-1/64	2-1/64	1-3/16	1-11/32	2	0.89
J7438M	38	2-5/32	2-5/32	1-3/16	1-11/32	2-3/8	0.96
J7441M	41	2-19/64	2-19/64	1-21/64	1-17/32	2-3/8	1.20
J7446M	46	2-3/8	2-3/8	63/64	1-17/32	2-7/16	1.24

ASME B107.33M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE DEEP IMPACT SOCKETS - 6 POINT



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ fetaures apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7312H	3/8	19/32	15/16	15/16	2-5/8	3-1/4	0.42
J7314H	7/16	23/32	15/16	11/32	1-5/8	3-1/4	0.44
J7316H	1/2	1-25/32	15/16	7/16	1-5/8	3-1/4	0.43
J7318H	9/16	7/8	15/16	1/2	1-5/8	3-1/4	0.41
J7320H	5/8	1	1	9/16	1-5/8	3-1/4	0.44
J7322H	11/16	1-1/32	1-1/32	5/8	2-5/8	3-1/4	0.47
J7324H	3/4	1-7/64	1-1/8	1-5/32	2-5/8	3-1/4	0.53
J7326H	13/16	1-3/16	1-3/16	1-5/32	2-5/8	3-1/4	0.62
J7328H	7/8	1-19/64	1-9/32	1-13/32	2-7/8	3-1/2	0.78
J7330H	15/16	1-3/8	1-3/8	1-13/32	2-7/8	3-1/2	0.86
J7332H	1	1-1/2	1-1/2	1-13/32	2-7/8	3-1/2	1.02
J7334H	1-1/16	1-1/2	1-33/64	1-17/32	2-7/8	3-1/2	1.11
J7336H	1-1/8	1-5/8	1-5/8	1-13/32	2-7/8	3-1/2	1.20
J7338H	1-3/16	1-13/16	1-21/32	1-1/64	2-7/8	3-1/2	1.47
J7340H	1-1/4	1-13/16	1-21/32	1-1/64	2-7/8	3-1/2	1.39
J7342H	1-5/16	1-7/8	1-21/32	1-1/16	2-7/8	3-1/2	1.41
J7344H	1-3/8	1-7/8	1-21/32	1-7/64	2-7/8	3-1/2	1.31
J7346H	1-7/16	2-1/16	1-21/32	1-5/32	2-7/8	3-1/2	1.67
J7348H	1-1/2	2-1/16	1-21/32	1-13/64	2-7/8	3-1/2	1.50
J7350H	1-9/16	2	1-5/8	1-1/4	1-1/4	3-1/2	1.80

ASME B107.2

THE STORY BEHIND

TORQUEPLUS FASTENING SYSTEM

TorquePlus™ is a fresh look at an old problem in sockets: worn, stripped and stubborn bolts.

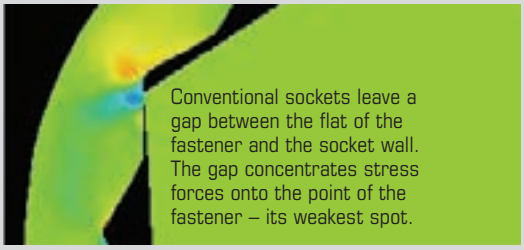
Conventional sockets contact the fasteners near the points of both the fastener and the socket, where they are the weakest.

Excessive force on this combination of fastener and socket can cause fastener rounding, or cut through the socket wall.

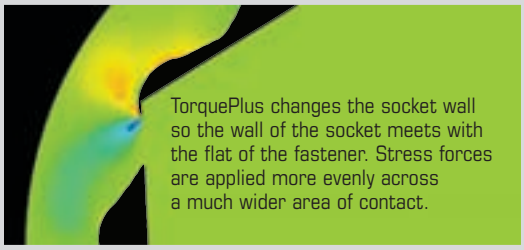
The TorquePlus™ design enables sockets to grip the fastener flats, away from the points.

- Allows up to 15% more torque to be applied safely to the fastener.
- Reduces the risk of fastener rounding.
- Improves the ability to turn worn or rounded fasteners.

The TorquePlus™ design also means aerospace specifications.



STRESS MAP of a conventional socket.



STRESS MAP of a TorquePlus socket.

1/2" DRIVE METRIC DEEP IMPACT SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7308M	8	37/64	7/8	5/16	2-19/32	3-1/4	0.37
J7309M	9	19/32	7/8	3/8	2-19/32	3-1/4	0.36
J7310M	10	41/64	15/16	7/16	2-19/32	3-1/4	0.43
J7311M	11	45/64	15/16	7/16	2-19/32	3-1/4	0.43
J7312M	12	47/64	15/16	1/2	2-19/32	3-1/4	0.43
J7313M	13	25/32	15/16	1/2	2-19/32	3-1/4	0.42
J7314M	14	55/64	15/16	1/2	2-19/32	3-1/4	0.40
J7315M	15	15/16	1	37/64	2-19/32	3-1/4	0.40
J7316M	16	1	1-1/32	19/32	2-19/32	3-1/4	0.46
J7317M	17	1-1/32	1-1/16	5/8	2-19/32	3-1/4	0.45
J7318M	18	1-1/16	1-1/16	43/64	2-19/32	3-1/4	0.49
J7319M	19	1-7/64	1-7/64	1-5/32	2-19/32	3-1/4	0.52
J7320M	20	1-5/32	1-5/32	1-5/32	2-19/32	3-1/4	0.55
J7321M	21	1-13/64	1-13/64	1-13/32	2-19/32	3-1/4	0.66
J7322M	22	1-9/32	1-9/32	1-13/32	2-27/32	3-1/2	0.75
J7323M	23	1-19/64	1-19/64	1-13/32	2-27/32	3-1/2	0.75
J7324M	24	1-23/64	1-23/64	1-13/32	2-27/32	3-1/2	0.81
J7325M	25	1-7/16	1-7/16	1-13/32	2-27/32	3-1/2	0.92
J7326M	26	1-1/2	1-1/2	1-13/32	2-27/32	3-1/2	1.03
J7327M	27	1-9/16	1-9/16	1-13/32	2-27/32	3-1/2	1.14
J7328M	28	1-5/8	1-5/8	1-13/32	2-27/32	3-1/2	1.20
J7329M	29	1-5/8	1-5/8	1-33/64	2-27/32	3-1/2	1.16
J7330M	30	1-11/16	1-11/16	1-13/32	2-27/32	3-1/2	1.53
J7332M	32	1-25/32	1-25/32	1-13/64	2-27/32	3-1/2	1.32
J7333M	33	1-55/64	1-55/64	1-25/64	2-27/32	3-1/2	1.48
J7334M	34	1-15/16	1-15/16	1-25/64	2-27/32	3-1/2	1.50
J7335M	35	2-1/16	2-1/16	1-25/64	2-27/32	3-1/2	1.61
J7336M	36	2-1/16	2-1/16	1-25/64	2-27/32	3-1/2	1.63

ASME B107.33M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE DEEP THIN WALL IMPACT SOCKETS - 6 POINT

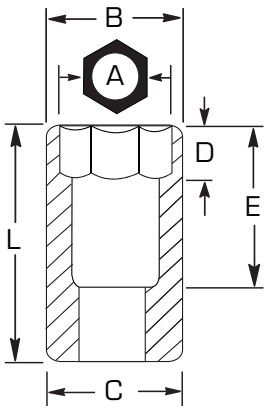
- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Designed to fit into smaller spaces.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Extra deep length helps improve access in confined areas.
- Often used in application where fasteners are close together, such as tire service.



TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7312HT	3/8	9/16	15/16	5/16	2-9/32	3-1/4	0.43
J7314HT	7/16	21/32	15/16	3/8	2-1/4	3-1/4	0.43
J7316HT	1/2	23/32	15/16	3/8	2-3/16	3-1/4	0.42
J7318HT	9/16	13/16	15/16	7/16	2-3/3	3-1/4	0.39
J7320HT	5/8	7/8	15/16	1/2	2-1/32	3-1/4	0.37
J7322HT	11/16	31/32	31/32	1/2	2	3-1/4	0.47
J7324HT	3/4	1-1/32	1-1/32	1-11/64	1-7/16	3-1/4	0.39
J7326HT	13/16	1-1/8	1-1/8	1-11/64	1-7/16	3-1/4	0.48
J7328HT	7/8	1-3/16	1-3/16	1-13/32	1-7/16	3-1/2	0.58
J7330HT	15/16	1-17/64	1-17/64	1-13/32	1-7/16	3-1/2	0.69
J7332HT	1"	1-3/8	1-3/8	1-13/32	1-7/16	3-1/2	0.76
J7334HT	1-1/16	1-31/64	1-31/64	1-17/32	1-5/16	3-1/2	0.89
J7336HT	1-1/8	1-9/16	1-9/16	1-17/32	1-5/16	3-1/2	1.03
J7338HT	1-3/16	1-5/8	1-5/8	1-17/32	1-5/16	3-1/2	1.14
J7340HT	1-1/4	1-11/16	1-11/16	1-17/32	1-5/16	3-1/2	1.22
J7342HT	1-5/16	1-13/16	1-13/16	1-17/32	1-5/16	3-1/2	1.36
J7344HT	1-3/8	1-13/16	1-13/16	1-17/32	1	3-1/2	1.44
J7346HT	1-7/16	1-15/16	1-15/16	1-13/16	1	3-1/2	1.56
J7348HT	1-1/2	2	2	1-13/16	1	3-1/2	1.58

ASME B107.2



1/2" DRIVE METRIC DEEP THIN WALL IMPACT SOCKETS - 6 POINT



METRIC

- Specifically designed for light clearance applications.
- Reduced wall thickness helps improve access to fasteners in restricted areas.
- All Impact sockets feature one through hole and a groove to accept a retaining ring and pin to secure the socket to the power tool anvil.
- Chamfered service ends for quick and positive fastener engagement.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Thin wall sockets are lightweight.
- Designed to fit into smaller spaces.
- Thinner walls help improve productivity by making it easier to gain access to fasteners in confined spaces.
- Extra deep length helps improve access in confined areas.
- Often used in application where fasteners are close together, such as tire service.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7310MHT	10	39/64	15/16	3/8	2-7/32	3-1/4	0.43
J7311MHT	11	21/32	15/16	25/64	2-13/64	3-1/4	0.44
J7312MHT	12	11/16	15/16	7/16	2-5/32	3-1/4	0.45
J7313MHT	13	47/64	15/16	7/16	2-5/32	3-1/4	0.41
J7314MHT	14	13/16	15/16	7/16	2-5/32	3-1/4	0.35
J7315MHT	15	27/32	15/16	17/32	2-1/16	3-1/4	0.37
J7316MHT	16	7/8	15/16	17/32	2-1/16	3-1/4	0.37
J7317MHT	17	15/16	15/16	11/16	1-29/32	3-1/4	0.35
J7318MHT	18	1	1	3/4	1-27/32	3-1/4	0.40
J7319MHT	19	1-1/32	1-1/32	1-5/32	1-7/16	3-1/4	0.37
J7320MHT	20	1-1/16	1-1/16	1-5/32	1-7/16	3-1/4	0.41
J7321MHT	21	1-1/8	1-1/8	1-13/32	1-27/64	3-1/2	0.51
J7322MHT	22	1-3/16	1-3/16	1-13/32	1-27/64	3-1/2	0.56
J7323MHT	23	1-1/4	1-1/4	1-13/32	1-27/64	3-1/2	0.63
J7324MHT	24	1-5/16	1-5/16	1-13/32	1-27/64	3-1/2	0.72
J7330MHT	30	1-25/32	1-25/32	2-35/64	1-27/64	3-1/2	1.45

ASME B107.33M

1/2" DRIVE POWER SOCKET - 6 POINT

COTTON PICKER SOCKET

- Removes and replaces spindles on cotton pickers.



Product #	Size (in) (A)	Finish	Overall Length (in) (L)	Weight (lbs)
J7336CPB	1-1/8	Black Oxide	5-49/64	1.67

ASME B107.2

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.
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1/2" DRIVE IMPACT SOCKETS - 8 POINT

TORQUEPLUS FASTENING SYSTEM



- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand higher torque and force associated with impact tools in repetitive application.
- Proto® 8 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7412S	3/8	47/64	15/16	17/64	27/32	1-1/2	0.17
J7414S	7/16	53/64	15/16	19/64	27/32	1-1/2	0.18
J7416S	1/2	15/16	15/16	11/32	27/32	1-1/2	0.18
J7418S	9/16	1-1/32	1-1/32	3/8	27/32	1-1/2	0.21
J7420S	5/8	1-1/8	1-1/8	27/32	27/32	1-1/2	0.26
J7422S	11/16	1-3/16	1-3/16	27/32	27/32	1-1/2	0.27
J7424S	3/4	1-11/32	1-11/32	27/32	27/32	1-1/2	0.37
J7426S	13/16	1-3/8	1-3/8	27/32	27/32	1-1/2	0.39
J7428S	7/8	1-1/2	1-1/2	31/32	31/32	1-5/8	0.48
J7430S	15/16	1-5/8	1-5/8	1-1/64	1-3/32	1-3/4	0.62
J7432S	1	1-3/4	1-3/4	1-1/64	1-3/32	1-3/4	0.74
J7434S	1-1/16	1-27/32	1-27/32	1-1/64	1-11/32	1-3/4	0.91

ASME B107.2

1/2" DRIVE DEEP IMPACT SOCKETS - 8 POINT

TORQUEPLUS FASTENING SYSTEM



- Proto® 8 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand higher torque and force associated with impact tools in repetitive application.
- Extra length provides easy access to fasteners in recesses or where nuts and bolts protrude.
- Socket size stamped on tool for easy identification.
- Side locking hole.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7312S	3/8	3/4	7/8	11/32	2-19/32	3-1/4	0.37
J7314S	7/16	27/32	15/16	3/8	2-19/32	3-1/4	0.44
J7316S	1/2	51/16	15/16	7/16	2-19/32	3-1/4	0.43
J7318S	9/16	1-1/32	1-1/32	1/2	2-19/32	3-1/4	0.54
J7320S	5/8	1-1/8	1-1/8	1/2	2-19/32	3-1/4	0.63
J7322S	11/16	1-3/16	1-3/16	1-5/32	2-19/32	3-1/4	0.61
J7324S	3/4	1-5/16	1-5/16	1-5/32	2-19/32	3-1/4	0.76
J7326S	13/16	1-3/8	1-3/8	1-5/32	2-19/32	3-1/4	0.83
J7328S	7/8	1-1/2	1-1/2	1-13/32	2-27/32	3-1/2	1.10
J7330S	15/16	1-39/64	1-39/64	1-13/32	2-27/32	3-1/2	1.24
J7332S	1	1-11/16	1-11/16	1-13/32	2-27/32	3-1/2	1.54

ASME B107.2

1/2" DRIVE IMPACT SOCKETS - 12 POINT



- Proto® 12 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7412	3/8	41/64	15/16	11/32	27/32	1-1/2	0.16
J7414	7/16	23/32	15/16	13/32	27/32	1-1/2	0.17
J7416	1/2	51/64	15/16	13/32	27/32	1-1/2	0.18
J7418	9/16	7/8	15/16	7/16	27/32	1-1/2	0.19
J7420	5/8	1	1	1/2	27/32	1-1/2	0.20
J7422	11/16	1-1/32	1-1/32	1/2	27/32	1-1/2	0.21
J7424	3/4	1-7/64	1-7/64	51/64	27/32	1-1/2	0.23
J7426	13/16	1-13/64	1-13/64	11/16	31/32	1-5/8	0.30
J7428	7/8	1-9/32	1-9/32	43/64	31/32	1-5/8	0.34
J7430	15/16	1-23/64	1-23/64	51/64	1-3/32	1-3/4	0.42
J7432	1	1-1/2	1-1/2	25/32	1-3/32	1-3/4	0.53
J7434	1-1/16	1-33/64	1-33/64	25/32	1-3/32	1-3/4	0.52
J7436	1-1/8	1-19/32	1-19/32	25/32	1-1/32	2	0.62
J7438	1-3/16	1-3/4	1-3/4	3/4	1-1/64	2	0.80
J7440	1-1/4	1-3/4	1-3/4	3/4	1	2	0.77
J7442	1-5/16	1-3/4	1-3/4	13/16	63/64	2	0.72
J7444	1-3/8	1-51/64	1-5/8	13/16	1-3/32	2-1/8	0.70
J7446	1-7/16	1-59/64	1-5/8	1	1-37/64	2-15/64	0.80
J7448	1-1/2	2	1-5/8	1	1-37/64	2-15/64	0.97

AS954E S3.8.1 ASME B107.2

1/2" DRIVE METRIC IMPACT SOCKETS - 12 POINT

METRIC



- Proto® 12 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7410MT	10	39/64	57/64	1/4	21/32	1-1/2	0.16
J7411MT	11	21/32	15/16	9/32	21/32	1-1/2	0.16
J7412MT	12	11/16	15/16	5/16	21/32	1-1/2	0.18
J7413MT	13	47/64	15/16	11/32	21/32	1-1/2	0.15
J7414MT	14	51/64	15/16	3/8	21/32	1-1/2	0.15
J7415MT	15	27/32	15/16	7/16	21/32	1-1/2	0.16
J7416MT	16	7/8	15/16	7/16	21/32	1-1/2	0.15
J7417MT	17	15/16	15/16	7/16	21/32	1-1/2	0.15
J7418MT	18	1	1	7/16	21/32	1-1/2	0.18
J7419MT	19	1-1/32	1-1/32	27/32	21/32	1-1/2	0.17
J7420MT	20	1-1/8	1-1/16	27/32	21/32	1-1/2	0.18
J7421MT	21	1-3/16	1-1/8	27/32	21/32	1-1/2	0.43
J7422MT	22	1-1/4	1-3/16	27/32	21/32	1-1/2	0.25
J7423MT	23	1-5/16	1-1/4	27/32	21/32	1-1/2	0.30
J7424MT	24	1-13/32	1-5/16	27/32	21/32	1-1/2	0.32
J7430MT	30	1-11/16	1-5/8	1-1/32	1-11/32	2	0.58
J7432MT	32	1-25/32	1-5/8	1-1/32	1-11/32	2	0.64

AS954E S3.8.1 ASME B107.33M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

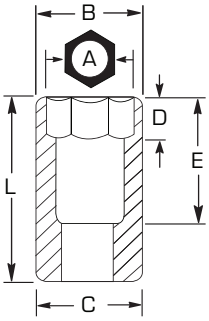
1/2" DRIVE DEEP IMPACT SOCKETS - 12 POINT



- Proto® 12 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Socket size stamped on tool for easy identification.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7312	3/8	19/32	15/16	5/16	2-19/32	3-1/4	0.43
J7314	7/16	23/32	15/16	3/8	2-5/8	3-1/4	0.42
J7316	1/2	1-25/32	15/16	7/16	2-5/8	3-1/4	0.45
J7318	9/16	7/8	15/16	1/2	2-5/8	3-1/4	0.40
J7320	5/8	1	1	9/16	2-5/8	3-1/4	0.45
J7322	11/16	1-1/32	1-1/32	5/8	2-5/8	3-1/4	0.45
J7324	3/4	1-7/64	1-1/8	1-5/32	2-5/8	3-1/4	0.47
J7326	13/16	1-3/16	1-3/16	1-5/32	2-5/8	3-1/4	0.56
J7328	7/8	1-19/64	1-19/64	1-13/32	2-7/8	3-1/2	0.68
J7330	15/16	1-3/8	1-3/8	1-13/32	2-7/8	3-1/2	0.82
J7332	1	1-1/2	1-1/2	1-13/32	2-7/8	3-1/2	0.99
J7334	1-1/16	1-1/2	1-1/2	1-17/32	2-7/8	3-1/2	0.94
J7336	1-1/8	1-19/32	1-19/32	1-13/32	2-7/8	3-1/2	1.06
J7338	1-3/16	43/64	43/64	1-13/64	2-7/8	3-1/2	1.17
J7340	1-1/4	1-3/4	1-3/4	1-13/64	2-7/8	3-1/2	1.23
J7342	1-5/16	1-27/32	1-27/32	1-13/64	2-7/8	3-1/2	1.37
J7344	1-3/8	1-29/32	1-29/32	1-13/64	2-7/8	3-1/2	1.54
J7346	1-7/16	2	2	1-13/64	2-7/8	3-1/2	1.62
J7348	1-1/2	2-1/16	2-1/16	1-13/64	2-7/8	3-1/2	1.76
					AS954E S3.8.1		ASME B107.2



1/2" DRIVE HIGH STRENGTH MAGNETIC IMPACT SOCKETS - 6 POINT



- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7412HF	3/8	47/64	15/16	15/64	1-1/2	0.18
J7414HF	7/16	45/64	15/16	1/4	1-1/2	0.19
J7416HF	1/2	25/32	15/16	17/64	1-1/2	0.19
J7418HF	9/16	7/8	15/16	21/64	1-1/2	0.20
J7420HF	5/8	1	1	25/64	1-1/2	0.23
						ASME B107.2

1/2" DRIVE METRIC HIGH STRENGTH MAGNETIC IMPACT SOCKETS - 6 POINT

METRIC

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7410MHF	10	41/64	15/16	7/32	1-1/2	0.19
J7413MHF	13	51/64	15/16	17/64	1-1/2	0.19
J7414MHF	14	15/16	15/16	9/32	1-1/2	0.20
J7415MHF	15	15/16	15/16	9/32	1-1/2	0.21
J7418MHF	18	1-1/16	1-1/16	13/32	1-1/2	0.27

ASME B107.2

1/2" DRIVE IMPACT HEX BIT SOCKETS

- Proto® Hex Bit Impact Sockets can be used on stubborn fasteners.
- Tight tolerances for snug fit on fastener.
- Hex bit impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Hex Bit impact Sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Side locking hole.



Product #	Size (in) (A)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J74411/4	1/4	1-3/4	3-1/4	0.18
J74415/16	5/16	1-3/4	3-1/4	0.22
J74413/8	3/8	1-3/4	3-1/4	0.24
J74417/16	7/16	1-3/4	3-1/4	0.27
J74411/2	1/2	1-7/8	3-5/8	0.47
J74419/16	9/16	1-7/8	3-5/8	0.49
J74415/8	5/8	2	4	0.84

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE METRIC IMPACT HEX BIT SOCKETS

METRIC



- Replaceable bit.
- Size stamped on tool for easy identification.
- Side locking hole.

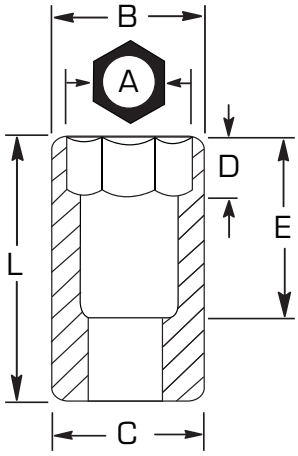
Product #	Size (mm)	Bit Length (in)	Overall Length (in)	Weight (lbs)
J7441-6M	6	1-3/4	3-1/4	0.19
J7441-8M	8	1-3/4	3-1/4	0.21
J7441-10M	10	1-3/4	3-1/4	0.26
J7441-12M	12	1-3/4	3-1/4	0.29
J7441-14M	14	1-7/8	3-5/8	0.49
J7441-17M	17	2	4	0.88

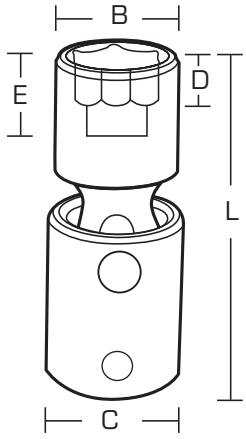
1/2" DRIVE TORX® IMPACT SOCKETS



- Proto® Torx® Impact Sockets can be used on stubborn Torx® fasteners.
- Tight tolerances for snug fit on fastener.
- Torx® Impact Sockets are used wherever power drive tools are used to help install or remove fasteners.
- Torx® Impact Sockets are designed to withstand the high torque and force associated with impact tools in repetitive applications.
- Socket size stamped on tool for easy identification.
- Side locking hole.

Product #	Torx® Size	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J7414TX	E14	11/16	7/8	7/16	27/32	11/2	0.14
J7416TX	E16	11/16	7/8	7/16	27/32	11/2	0.13
J7418TX	E18	27/32	7/8	17/32	27/32	11/2	0.14
J7420TX	E20	15/16	15/16	19/32	27/32	11/2	0.17





1/2" DRIVE IMPACT UNIVERSAL SOCKETS - 6 POINT



- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J74274P	7/16	3/4	1-1/16	1/2	3/4	2-19/32	0.34
J74275P	1/2	3/4	1-1/16	1/2	3/4	2-19/32	0.34
J74276P	9/16	27/32	1-1/16	1/2	3/4	2-19/32	0.36
J74277P	5/8	15/16	1-1/16	1/2	3/4	2-19/32	0.38
J74278P	11/16	1-1/16	1-1/4	1/2	3/4	2-19/32	0.56
J74279P	3/4	1-3/32	1-1/4	1/2	3/4	2-19/32	0.54
J74280P	13/16	1-3/16	1-1/4	1/2	3/4	2-19/32	0.56
J74281P	7/8	1-1/4	1-1/4	1/2	3/4	2-19/32	0.58
J74282P	15/16	1-5/16	1-3/8	1/2	3/4	2-27/32	0.69
J74283P	1	1-11/32	1-3/8	1/2	3/4	2-27/32	1.71
J74284P	1-1/16	1-13/32	1-3/8	9/16	13/16	2-15/16	1.72
J74285P	1-1/8	1-31/64	1-3/8	5/8	7/8	3-1/32	1.80
J74286P	1-3/16	1-9/16	1-3/8	11/16	57/64	3-3/32	1.83
J74287P	1-1/4	1-5/8	1-3/8	3/4	1-1/32	3-3/16	1.86
J74288P	1-15/16	1-45/64	1-3/8	13/16	1	3-9/32	1.86

1/2" DRIVE METRIC UNIVERSAL IMPACT SOCKETS - 6 POINT

METRIC



Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J74413MP	13	1-1/16	1/2	3/4	2-5/8	0.34
J74414MP	14	1-1/16	1/2	3/4	2-5/8	0.39
J74415MP	15	1-1/16	1/2	3/4	2-5/8	0.43
J74416MP	16	1-1/16	1/2	3/4	2-5/8	0.48
J74417MP	17	1-1/4	1/2	3/4	2-5/8	0.53
J74418MP	18	1-1/4	1/2	3/4	2-5/8	0.54
J74419MP	19	1-1/4	1/2	3/4	2-5/8	0.54
J74421MP	21	1-1/4	1/2	3/4	2-5/8	0.54
J74422MP	22	1-1/4	1/2	3/4	2-5/8	0.58
J74424MP	24	1-1/4	1/2	3/4	2-5/8	0.58

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1/2" DRIVE DEEP UNIVERSAL IMPACT SOCKETS - 6 POINT



Product #	Size (in)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J75275P	1/2	1-1/16	11/16	1-5/8	3-9/16	0.41
J75276P	9/16	1-1/16	11/16	1-5/8	3-9/16	0.43
J75277P	5/8	1-1/16	11/16	1-21/32	3-9/16	0.45
J75278P	11/16	1-1/4	11/16	1-21/32	3-1/2	0.50
J75279P	3/4	1-1/4	11/16	1-39/64	3-1/2	0.55
J75280P	13/16	1-1/4	11/16	1-5/8	3-1/2	0.61
J75281P	7/8	1-1/4	11/16	1-5/8	3-1/2	0.73
J75282P	15/16	1-3/8	11/16	1-43/64	3-23/32	0.80

1/2" DRIVE METRIC DEEP UNIVERSAL IMPACT SOCKETS - 6 POINT

METRIC



Product #	Size (mm)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J75413MP	13	1-1/16	11/16	1-5/8	3-1/2	0.43
J75414MP	14	1-1/16	11/16	1-5/8	3-1/2	0.45
J75415MP	15	1-1/16	11/16	1-5/8	3-1/2	0.50
J75416MP	16	1-1/16	11/16	1-5/8	3-1/2	0.55
J75417MP	17	1-1/4	11/16	1-5/8	3-1/2	0.61
J75418MP	18	1-1/4	11/16	1-5/8	3-1/2	0.73
J75419MP	19	1-1/4	11/16	1-5/8	3-1/2	0.80

1/2" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.



Product #	Overall Length (in) (L)	Weight (lbs)
J74470P	2-19/32	0.57
		ASME B107.2

1/2" DRIVE ADAPTERS

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.
- Size stamped on tool for easy identification.
- Side locking hole.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J7650	3/8" F x 1/2" M	1-5/16	0.13
J7651	1/2" F x 3/8" M	1-7/16	0.12
J7652	1/2" F x 3/4" M	1-29/32	0.35
J7653	3/4" F x 1/2" M	2-1/16	0.48
J7655	5/8" F x 1/2" M	1-53/64	0.34
			ASME B107.2

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



1/2" DRIVE EXTENSIONS

- Use extensions to gain access to fasteners in locations that would otherwise be difficult to reach.
- Male square is oriented in-line with female squares for use with fixed head torque wrenches.
- Full chamfer at drive opening (when applicable) for easy engagement with drive tools.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Size stamped on tool for easy identification.
- Side locking hole.

Product #	Overall Length (in) (L)	Weight (lbs)
J7180P	2	0.19
J7182P	3	0.3
J7181P	5	0.47
J7184P	9	0.89
J7183-00	10	0.89

ASME B107.2



1/2" DRIVE LOCKING EXTENSIONS

- Solid one-piece design helps prevent the locking components from becoming loose or disengaged.
- Patented locking feature locks sockets to the extension with exceptional force.
- Knurled shank provides a slip-resistant grip when hand-turning the extension.

Product #	Size (in)	Overall Length (in (L)	Weight (lbs)
J7503	7/8" W x 3" L	3	0.34
J7505	7/8" W x 5" L	5	0.57
J7510	7/8" W x 10" L	10	1.04



1/2" DRIVE RETAINING RINGS

- Retaining Rings are used to help secure sockets onto drive tools.
- They are not intended to bear any load.
- The rotational forces are between the drive tool and the socket.
- One-piece construction, no loose parts.



Product #	Description	For Groove Dia (in)	Diameter (in)	Height (in)	Weight (lbs)
JRR50080	Retaining Ring, 1/2" DR 800 GRV	51/64	15/16	1/8	0.01
JRR50087	Retaining Ring, 1/2" DR 870 GRV	7/8	1	1/8	0.01
JRR50095	Retaining Ring, 1/2" DR 950 GRV	61/64	1-1/16	1/8	0.01
JRR50105	Retaining Ring, 1/2" DR 1050 GRV	1-1/16	1-3/16	1/8	0.01
JRR50115	Retaining Ring, 1/2" DR 1150 GRV	1-5/32	1-1/4	1/8	0.01
JRR50130	Retaining Ring, 1/2" DR 1300 GRV	1-5/16	1-7/16	1/8	0.01
JRR50145	Retaining Ring, 1/2" DR 1450 GRV	1-7/16	1-9/16	1/8	0.01
JRR50160	Retaining Ring, 1/2" DR 1600 GRV	1-19/32	1-3/4	1/8	0.01

3/4" DRIVE 21 PIECE METRIC IMPACT SOCKET SET - 6 POINT

METRIC

Product #: J72103M

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.
- Weight (lbs): 14.91

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J07519M	Socket, Impact 3/4" DR 19 mm 6 PT	ASME B107.33M
J07520M	Socket, Impact 3/4" DR 20 mm 6 PT	ASME B107.33M
J07521M	Socket, Impact 3/4" DR 21 mm 6 PT	ASME B107.33M
J07522M	Socket, Impact 3/4" DR 22 mm 6 PT	ASME B107.33M
J07523M	Socket, Impact 3/4" DR 23 mm 6 PT	ASME B107.33M
J07524M	Socket, Impact 3/4" DR 24 mm 6 PT	ASME B107.33M
J07525M	Socket, Impact 3/4" DR 25 mm 6 PT	ASME B107.33M
J07526M	Socket, Impact 3/4" DR 26 mm 6 PT	ASME B107.33M
J07527M	Socket, Impact 3/4" DR 27 mm 6 PT	ASME B107.33M
J07528M	Socket, Impact 3/4" DR 28 mm 6 PT	ASME B107.33M
J07529M	Socket, Impact 3/4" DR 29 mm 6 PT	ASME B107.33M
J07530M	Socket, Impact 3/4" DR 30 mm 6 PT	ASME B107.33M
J07531M	Socket, Impact 3/4" DR 31 mm 6 PT	ASME B107.33M
J07532M	Socket, Impact 3/4" DR 32 mm 6 PT	ASME B107.33M
J07533M	Socket, Impact 3/4" DR 33 mm 6 PT	ASME B107.33M
J07534M	Socket, Impact 3/4" DR 34 mm 6 PT	ASME B107.33M
J07535M	Socket, Impact 3/4" DR 35 mm 6 PT	ASME B107.33M
J07536M	Socket, Impact 3/4" DR 36 mm 6 PT	ASME B107.33M
J07538M	Socket, Impact 3/4" DR 38 mm 6 PT	ASME B107.33M
J07540M	Socket, Impact 3/4" DR 40 mm 6 PT	ASME B107.33M
J07541M	Socket, Impact 3/4" DR 41 mm 6 PT	ASME B107.33M
J2587	Socket, Bar 17"	
J2594	Socket, Clip 3/4" DR	

3/4" DRIVE 15 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J73105

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.
- Weight (lbs): 10.65

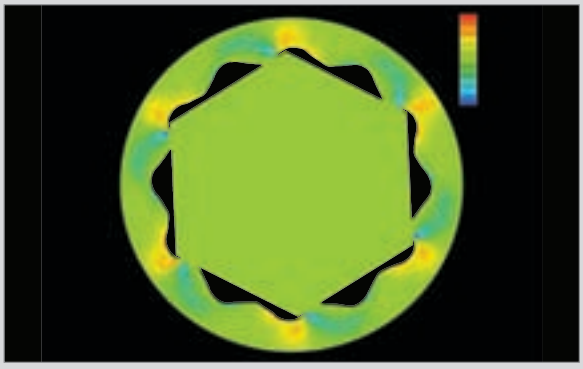
TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J07512	Socket, Impact 3/4" DR 3/4" 6 PT	ASME B107.2
J07513	Socket, Impact 3/4" DR 13/16" 6 PT	ASME B107.2
J07514	Socket, Impact 3/4" DR 7/8" 6 PT	ASME B107.2
J07515	Socket, Impact 3/4" DR 15/16" 6 PT	ASME B107.2
J07516	Socket, Impact 3/4" DR 1" 6 PT	ASME B107.2
J07517	Socket, Impact 3/4" DR 1-1/16" 6 PT	ASME B107.2
J07518	Socket, Impact 3/4" DR 1-1/8" 6 PT	ASME B107.2
J07519	Socket, Impact 3/4" DR 1-3/16" 6 PT	ASME B107.2
J07520	Socket, Impact 3/4" DR 1-1/4" 6 PT	ASME B107.2
J07521	Socket, Impact 3/4" DR 1-5/16" 6 PT	ASME B107.2
J07522	Socket, Impact 3/4" DR 1-3/8" 6 PT	ASME B107.2
J07523	Socket, Impact 3/4" DR 1-7/16" 6 PT	ASME B107.2
J07524	Socket, Impact 3/4" DR 1-1/2" 6 PT	ASME B107.2
J07525	Socket, Impact 3/4" DR 1-9/16" 6 PT	ASME B107.2
J07526	Socket, Impact 3/4" DR 1-5/8" 6 PT	ASME B107.2
J2587	Socket, Bar 17"	
J2594	Socket, Clip 3/4" DR	

PRODUCT FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.





3/4" DRIVE 10 PIECE IMPACT SOCKET SET - 6 POINT

Product #: J07500-10

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.
- Weight (lbs): 7.10

TORQUEPLUS FASTENING SYSTEM



Contents	Description	ASME Spec.
J07512	Socket, Impact 3/4" DR 3/4" 6 PT	ASME B107.2
J07513	Socket, Impact 3/4" DR 13/16" 6 PT	ASME B107.2
J07514	Socket, Impact 3/4" DR 7/8" 6 PT	ASME B107.2
J07515	Socket, Impact 3/4" DR 15/16" 6 PT	ASME B107.2
J07516	Socket, Impact 3/4" DR 1" 6 PT	ASME B107.2
J07517	Socket, Impact 3/4" DR 1-1/16" 6 PT	ASME B107.2
J07518	Socket, Impact 3/4" DR 1-1/8" 6 PT	ASME B107.2
J07519	Socket, Impact 3/4" DR 1-3/16" 6 PT	ASME B107.2
J07520	Socket, Impact 3/4" DR 1-1/4" 6 PT	ASME B107.2
J07521	Socket, Impact 3/4" DR 1-5/16" 6 PT	ASME B107.2

3/4" DRIVE 5 PIECE IMPACT HEX BIT SET

Product #: J07595

- Stamped size for easy reference.
- Side locking hole.
- Weight (lbs): 0.33



Contents	Description
J075909/16	Socket, Impact 3/4" DR Hex Bit 9/16"
J075905/8	Socket, Impact 3/4" DR Hex Bit 5/8"
J075903/4	Socket, Impact 3/4" DR Hex Bit 3/4"
J075907/8	Socket, Impact 3/4" DR Hex Bit 7/8"
J075901	Socket, Impact 3/4" DR Hex Bit 1"
J2576	Socket, Bar 3/4" Drive 9" - 5 Clips

3/4" DRIVE IMPACT SOCKETS - 4 POINT

- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used where ever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Stamped size for easy reference.
- Side locking hole.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J07510SS	5/8	1-1/4	1-5/8	25/64	15/16	2	0.70
J07511SS	11/16	1-11/32	1-5/8	7/16	15/16	1-7/8	0.75
J07513SS	13/16	1-5/8	1-5/8	33/64	1-1/16	2	0.82

ASME B107.2

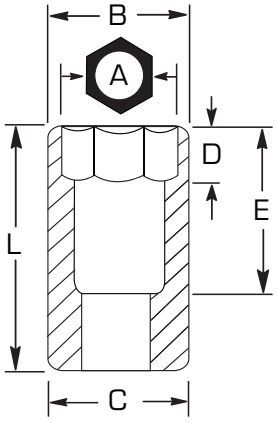
3/4" DRIVE DEEP IMPACT SOCKET - 4 POINT

- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J07513SL	13/16	1-5/8	1-5/8	43/64	3-1/16	4	1.75

ASME B107.2



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/4" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07509	9/16	1	1-5/8	23/64	15/16	1-7/8	0.72	JRR07523	J07500R	J07500P
J07510	5/8	1-3/32	1-5/8	25/64	15/16	1-7/8	0.69	JRR07523	J07500R	J07500P
J07511	11/16	1-5/32	1-5/8	7/16	1	1-15/16	0.72	JRR07523	J07500R	J07500P
J07512	3/4	1-15/64	1-5/8	15/32	1	1-15/16	0.70	JRR07523	J07500R	J07500P
J07513	13/16	1-5/16	1-5/8	1/2	1	1-15/16	0.67	JRR07523	J07500R	J07500P
J07514	7/8	1-1/2	1-5/8	35/64	1-1/16	2	0.73	JRR07523	J07500R	J07500P
J07515	15/16	1-5/8	1-5/8	37/64	1-1/16	2	0.78	JRR07523	J07500R	J07500P
J07516	1	1-5/8	1-5/8	5/8	1-1/8	2-1/16	0.73	JRR07523	J07500R	J07500P
J07517	1-1/16	1-5/8	1-5/8	21/32	1-1/8	2-1/16	0.81	JRR07523	J07500R	J07500P
J07518	1-1/8	1-3/4	1-3/4	45/64	1-1/4	2-3/16	0.91	JRR07526	J07500R	J07500P
J07519	1-3/16	1-7/8	1-3/4	47/64	1-1/4	2-3/16	1.02	JRR07526	J07500R	J07500P
J07520	1-1/4	2	1-3/4	3/4	1-1/4	2-3/16	1.10	JRR07526	J07500R	J07500P
J07521	1-5/16	2-1/8	1-3/4	27/32	1-1/4	2-3/16	1.19	JRR07526	J07500R	J07500P
J07522	1-3/8	2-1/8	1-3/4	13/16	1-3/16	2-1/4	1.18	JRR07526	J07500R	J07500P
J07523	1-7/16	2-1/4	1-3/4	7/8	1-3/8	2-5/16	1.29	JRR07526	J07500R	J07500P
J07524	1-1/2	2-3/8	1-3/4	1	1-7/16	2-3/8	1.43	JRR07526	J07500R	J07500P
J07525	1-9/16	2-3/8	1-3/4	1	1-1/2	2-7/16	1.57	JRR07526	J07500R	J07500P
J07526	1-5/8	2-3/8	1-3/4	1	1-1/2	2-7/16	1.60	JRR07526	J07500R	J07500P
J07527	1-11/16	2-39/64	1-3/4	1-1/8	1-11/16	2-5/8	1.78	JRR07526	J07500R	J07500P
J07528	1-3/4	2-39/64	1-3/4	1-1/8	1-11/16	2-5/8	1.83	JRR07526	J07500R	J07500P
J07529	1-13/16	2-3/4	1-3/4	1-1/8	1-11/16	2-5/8	1.92	JRR07526	J07500R	J07500P
J07530	1-7/8	2-3/4	1-3/4	1-1/4	1-7/8	2-13/16	2.19	JRR07526	J07500R	J07500P
J07531	1-15/16	2-7/8	1-3/4	1-1/4	1-7/8	2-13/16	2.28	JRR07526	J07500R	J07500P
J07532	2	3	1-3/4	1-1/4	1-7/8	2-13/16	2.30	JRR07526	J07500R	J07500P
J07533	2-1/16	3	1-3/4	1-3/8	2-5/32	3-3/32	2.66	JRR07526	J07500R	J07500P
J07534	2-1/8	3-1/8	1-3/4	1-3/8	2-5/32	3-3/32	2.79	JRR07526	J07500R	J07500P
J07535	2-3/16	3-1/4	1-3/4	1-3/8	2-3/16	3-1/8	3.25	JRR07526	J07500R	J07500P
J07536	2-1/4	3-5/16	1-3/4	1-1/2	2-5/16	3-1/4	3.17	JRR07526	J07500R	J07500P
J07537	2-5/16	3-9/32	1-3/4	1-1/2	1-15/16	3-5/16	3.21	JRR07526	J07500R	J07500P
J07538	2-3/8	3-1/2	1-3/4	1-1/2	2-7/16	3-3/8	3.45	JRR07526	J07500R	J07500P

ASME B107.2



3/4" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC

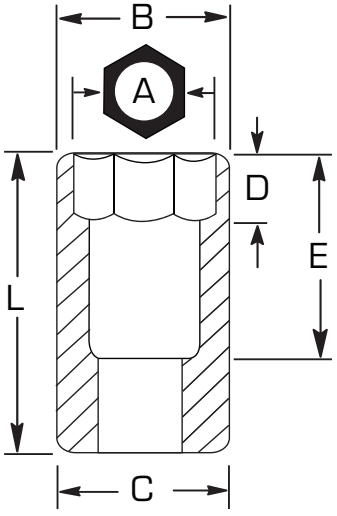
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07517M	17	1-5/32	1-5/8	27/64	63/64	1-59/64	0.68	JRR07523	J07500R	J07500P
J07519M	19	1-13/64	1-5/8	15/32	63/64	1-59/64	0.70	JRR07523	J07500R	J07500P
J07520M	20	1-19/64	1-5/8	9/16	63/64	1-59/64	0.70	JRR07523	J07500R	J07500P
J07521M	21	1-23/64	1-5/8	5/8	59/64	1-59/64	0.70	JRR07523	J07500R	J07500P
J07522M	22	1-27/64	1-5/8	11/16	1-1/16	2	0.79	JRR07523	J07500R	J07500P
J07523M	23	1-5/8	1-5/8	11/16	1-1/16	2	0.80	JRR07523	J07500R	J07500P
J07524M	24	1-5/8	1-5/8	19/32	1-1/16	2	0.73	JRR07523	J07500R	J07500P
J07525M	25	1-5/8	1-5/8	11/16	1-1/16	2	0.76	JRR07523	J07500R	J07500P
J07526M	26	1-5/8	1-5/8	3/4	1-1/8	2-1/16	0.77	JRR07523	J07500R	J07500P
J07527M	27	1-5/8	1-5/8	13/16	1-1/8	2-1/16	0.74	JRR07523	J07500R	J07500P
J07528M	28	1-5/8	1-5/8	45/64	1-1/8	2-1/16	0.72	JRR07523	J07500R	J07500P
J07529M	29	45.4	45.4	19.7	28.5	2-3/16	1.01	JRR07523	J07500R	J07500P
J07530M	30	1-7/8	1-3/4	59/64	1-7/32	2-3/16	1.01	JRR07526	J07500R	J07500P
J07531M	31	1-7/8	1-3/4	7/8	1-1/8	2-3/16	0.99	JRR07526	J07500R	J07500P
J07532M	32	2	1-3/4	7/8	1-9/64	2-3/16	1.13	JRR07526	J07500R	J07500P
J07533M	33	2	1-3/4	7/8	1-3/16	2-3/16	1.08	JRR07526	J07500R	J07500P
J07534M	34	2-1/8	1-3/4	15/16	1-3/16	2-1/4	1.18	JRR07526	J07500R	J07500P
J07535M	35	2-1/8	1-3/4	15/16	1-5/16	2-1/4	1.18	JRR07526	J07500R	J07500P
J07536M	36	2-1/4	1-3/4	15/16	1-9/32	2-5/16	1.32	JRR07526	J07500R	J07500P
J07538M	38	2-3/8	1-3/4	1	1-21/64	2-3/8	1.56	JRR07526	J07500R	J07500P
J07540M	40	2-1/2	1-3/4	1-1/32	1-17/64	2-1/2	1.64	JRR07526	J07500R	J07500P
J07541M	41	2-1/2	1-3/4	1-1/16	1-31/64	2-5/8	1.76	JRR07526	J07500R	J07500P
J07542M	42	2-1/2	1-3/4	1-1/8	1-45/64	2-3/4	1.87	JRR07526	J07500R	J07500P
J07543M	43	2-9/16	1-3/4	1-1/8	1-45/64	2-3/4	1.93	JRR07526	J07500R	J07500P
J07546M	46	2-3/4	1-3/4	1-1/4	1-45/64	2-7/8	2.10	JRR07526	J07500R	J07500P
J07550M	50	2-15/16	1-3/4	1-1/4	1-49/64	3-1/8	2.44	JRR07526	J07500R	J07500P

ASME B107.33M



PROTO®

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

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3/4" DRIVE DEEP IMPACT SOCKETS - 6 POINT



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J07509L	9/16	1	1-5/8	15/32	2-5/16	3-1/4	1.34
J07510L	5/8	1-3/32	1-5/8	33/64	2-5/16	3-1/4	1.28
J07511L	11/16	1-5/32	1-5/8	9/16	2-5/16	3-1/4	1.34
J07512L	3/4	1-1/4	1-5/8	39/64	2-5/16	3-1/4	1.35
J07513L	13/16	1-5/16	1-5/8	43/64	2-5/16	3-1/4	1.18
J07514L	7/8	1-1/2	1-5/8	23/32	2-5/16	3-1/4	1.23
J07515L	15/16	1-5/8	1-5/8	25/32	2-5/16	3-1/4	1.20
J07516L	1	1-5/8	1-5/8	53/64	2-5/16	3-1/4	1.11
J07517L	1-1/16	1-5/8	1-5/8	7/8	2-5/16	3-1/4	1.20
J07518L	1-1/8	1-3/4	1-3/4	59/64	2-5/16	3-1/4	1.29
J07519L	1-3/16	1-7/8	1-3/4	31/32	2-5/16	3-1/4	1.54
J07520L	1-1/4	2	1-3/4	1	2-5/16	3-1/4	1.89
J07521L	1-5/16	2-1/8	1-3/4	1	2-5/16	3-1/4	1.88
J07522L	1-3/8	2-1/8	1-3/4	1	2-5/16	3-1/4	1.79
J07523L	1-7/16	2-1/4	1-3/4	1-1/16	2-7/16	3-1/2	2.00
J07524L	1-1/2	2-3/8	1-3/4	1-1/16	2-7/16	3-1/2	2.25
J07525L	1-9/16	2-3/8	1-3/4	1	2-3/8	3-13/16	2.43
J07526L	1-5/8	2-3/8	1-3/4	2-1/4	2-5/8	3-13/16	2.57
J07527L	1-11/16	2-39/64	1-3/4	2-1/4	2-5/8	3-7/8	2.69
J07528L	1-3/4	2-39/64	1-3/4	2-1/4	2-5/8	3-7/8	2.84
J07529L	1-13/16	2-3/4	1-3/4	2-1/4	2-5/8	3-7/8	3.09
J07530L	1-7/8	2-3/4	1-3/4	2-3/8	3-3/4	4-1/16	3.19
J07532L	2	3	1-3/4	1-1/2	2-3/4	4-1/16	3.45

ASME B107.2

3/4" DRIVE METRIC DEEP IMPACT SOCKETS - 6 POINT

METRIC



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07519ML	19	1-7/32	1-5/8	5/8	2-1/4	3-1/4	1.32	JRR07523	J07500R	J07500P
J07521ML	21	1-3/8	1-5/8	51/64	2-1/4	3-1/4	1.30	JRR07523	J07500R	J07500P
J07522ML	22	1-7/16	1-5/8	13/16	2-1/4	3-1/4	1.20	JRR07523	J07500R	J07500P
J07523ML	23	1-5/8	1-5/8	3/4	2-1/4	3-1/4	1.28	JRR07523	J07500R	J07500P
J07524ML	24	1-5/8	1-5/8	13/16	2-1/4	3-1/4	1.31	JRR07523	J07500R	J07500P
J07526ML	26	1-5/8	1-5/8	27/32	2-1/4	3-1/4	1.20	JRR07523	J07500R	J07500P
J07527ML	27	1-5/8	1-5/8	7/8	2-1/4	3-1/4	1.14	JRR07523	J07500R	J07500P
J07530ML	30	1-7/8	1-3/4	31/32	2-9/32	3-1/4	1.45	JRR07526	J07500R	J07500P
J07532ML	32	2	1-3/4	1	2-9/32	3-1/4	1.63	JRR07526	J07500R	J07500P
J07533ML	33	2	1-3/4	1	2-9/32	3-1/4	1.55	JRR07526	J07500R	J07500P
J07535ML	35	2-1/8	1-3/4	1	2-9/32	3-1/4	1.89	JRR07526	J07500R	J07500P
J07536ML	36	2-1/4	1-3/4	1	2-9/32	3-1/4	1.91	JRR07526	J07500R	J07500P
J07538ML	38	2-3/8	1-3/4	1-1/16	2-29/64	3-1/2	2.10	JRR07526	J07500R	J07500P
J07541ML	41	2-1/2	1-3/4	1-1/16	2-29/64	3-1/2	2.36	JRR07526	J07500R	J07500P
J07543ML	43	2-9/16	1-3/4	1-1/8	2-29/64	3-1/2	2.52	JRR07526	J07500R	J07500P

ASME B107.33M

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



3/4" DRIVE DEEP THIN WALL IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07512-LT	3/4	1-3/8	1-3/8	39/64	3-1/16	4	1.04	JRR07523	J07500R	J07500P
J07513-LT	13/16	1-3/8	1-3/8	21/32	3-1/16	4	1.02	JRR07523	J07500R	J07500P
J07514-LT	7/8	1-3/8	1-3/8	23/32	3-1/16	4	1.01	JRR07523	J07500R	J07500P
J07515-LT	15/16	1-3/8	1-3/8	49/64	3-1/16	4	0.80	JRR07523	J07500R	J07500P
J07516-LT	1	1-7/16	1-7/16	53/64	3-1/16	4	1.06	JRR07523	J07500R	J07500P
J07517-LT	1-1/16	1-1/2	1-1/2	7/8	3-1/16	4	0.96	JRR07523	J07500R	J07500P
J07518-LT	1-1/8	1-5/8	1-5/8	59/64	3-1/16	4	1.19	JRR07526	J07500R	J07500P
J07519-LT	1-3/16	1-11/16	1-11/16	31/32	3-1/16	4	1.24	JRR07526	J07500R	J07500P
J07520-LT	1-1/4	1-3/4	1-3/4	1	3-1/16	4	1.33	JRR07526	J07500R	J07500P
J07521-LT	1-5/16	1-7/8	1-3/4	1-1/8	2-5/16	3-1/4	1.28	JRR07526	J07500R	J07500P
J07522-LT	1-3/8	1-15/16	1-3/4	1-1/8	2-5/16	3-1/4	1.32	JRR07526	J07500R	J07500P
J07523-LT	1-7/16	2	1-3/4	1-1/8	2-9/16	3-1/2	1.42	JRR07526	J07500R	J07500P
J07524-LT	1-1/2	2-1/8	1-3/4	1-1/4	2-9/16	3-1/2	1.86	JRR07526	J07500R	J07500P

ASME B107.2

3/4" DRIVE IMPACT SOCKETS - 8 POINT

- Proto® 8 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are designed to withstand higher torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07512S	3/4	1-5/8	1-5/8	15/37	31/32	1-15/16	0.81	JRR07523	J07500R	J07500P
J07513S	13/16	1-5/8	1-5/8	1/2	1-1/32	2	0.82	JRR07523	J07500R	J07500P
J07514S	7/8	1-3/4	1-3/4	35/64	1-1/32	2	0.97	JRR07523	J07500R	J07500P
J07515S	15/16	1-13/16	1-3/4	19/32	1-3/32	2-1/16	1.07	JRR07523	J07500R	J07500P
J07516S	1	2	1-3/4	5/8	1-5/32	2-1/8	1.23	JRR07523	J07500R	J07500P
J07517S	1-1/16	2-1/8	1-3/4	21/32	1-7/32	2-3/16	1.28	JRR07523	J07500R	J07500P
J07518S	1-1/8	2-1/4	1-3/4	45/64	1-15/64	2-1/4	1.42	JRR07526	J07500R	J07500P
J07519S	1-3/16	2-3/8	1-3/4	3/4	1-11/32	2-5/16	1.55	JRR07526	J07500R	J07500P
J07520S	1-1/4	2-3/8	1-3/4	3/4	1-13/32	2-3/8	1.57	JRR07526	J07500R	J07500P
J07521S	1-5/16	2-1/2	1-3/4	7/8	1-13/32	2-3/8	1.75	JRR07526	J07500R	J07500P

ASME B107.2

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

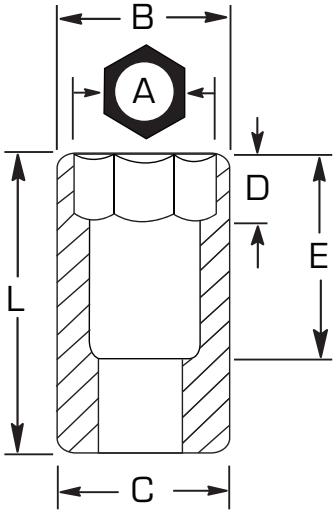
3/4" DRIVE IMPACT SOCKETS - 12 POINT

- Proto® 12 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J07509T	9/16	1	1-5/8	23/64	17/32	1-7/8	0.70	JRR07523	J07500R	J07500P
J07510T	5/8	1-3/32	1-5/8	25/64	9/16	1-7/8	0.70	JRR07523	J07500R	J07500P
J07511T	11/16	1-5/32	1-5/8	7/16	5/8	1-15/16	0.75	JRR07523	J07500R	J07500P
J07512T	3/4	1-1/4	1-5/8	15/32	11/16	1-15/16	0.75	JRR07523	J07500R	J07500P
J07513T	13/16	1-5/16	1-5/8	1/2	3/4	1-15/16	0.78	JRR07523	J07500R	J07500P
J07514T	7/8	1-1/2	1-5/8	9/16	13/16	2	0.79	JRR07523	J07500R	J07500P
J07515T	15/16	1-5/8	1-5/8	37/64	7/8	2	0.76	JRR07523	J07500R	J07500P
J07516T	1	1-5/8	1-5/8	5/8	15/16	2	0.76	JRR07523	J07500R	J07500P
J07517T	1-1/16	1-5/8	1-5/8	21/32	1	2-1/16	0.80	JRR07523	J07500R	J07500P
J07518T	1-1/8	1-3/4	1-3/4	29/32	29/32	2-3/16	0.88	JRR07526	J07500R	J07500P
J07519T	1-3/16	1-7/8	1-3/4	63/64	1-3/32	2-3/16	1.01	JRR07526	J07500R	J07500P
J07520T	1-1/4	2	1-3/4	1	1-1/8	2-3/16	1.11	JRR07526	J07500R	J07500P
J07521T	1-5/16	2-1/8	1-3/4	17/64	1-3/32	2-3/16	1.18	JRR07526	J07500R	J07500P
J07522T	1-3/8	2-1/8	1-3/4	1-1/8	1-1/8	2-1/4	1.21	JRR07526	J07500R	J07500P
J07523T	1-7/16	2-1/4	1-3/4	1-1/8	1-1/8	2-5/16	1.34	JRR07526	J07500R	J07500P
J07524T	1-1/2	2-3/8	1-3/4	1-3/16	1-3/16	2-3/8	1.35	JRR07526	J07500R	J07500P
J07525T	1-9/16	2-3/8	1-3/4	1-1/4	1-1/4	2-7/16	1.52	JRR07526	J07500R	J07500P
J07526T	1-5/8	2-3/8	1-3/4	11/4	1-1/4	2-7/16	1.47	JRR07526	J07500R	J07500P
J07527T	1-11/16	2-39/64	1-3/4	1-13/32	1-13/32	2-5/8	1.65	JRR07526	J07500R	J07500P
J07528T	1-3/4	2-39/64	1-3/4	1-13/32	1-13/32	2-5/8	1.80	JRR07526	J07500R	J07500P
J07529T	1-13/16	2-3/4	1-3/4	1-13/32	1-13/32	2-5/8	2.01	JRR07526	J07500R	J07500P
J07530T	1-7/8	2-3/4	1-3/4	1-1/2	1-1/2	2-13/16	2.02	JRR07526	J07500R	J07500P
J07531T	1-15/16	2-7/8	1-3/4	1-1/2	1-1/2	2-13/16	2.23	JRR07526	J07500R	J07500P
J07532T	2	3	1-3/4	1-1/2	1-1/2	2-13/16	2.33	JRR07526	J07500R	J07500P
J07533T	2-1/16	3	1-3/4	1-9/16	1-9/16	3-3/32	2.73	JRR07526	J07500R	J07500P
J07534T	2-1/8	3-1/8	1-3/4	1-9/16	1-9/16	3-3/32	2.96	JRR07526	J07500R	J07500P
J07535T	2-3/16	3-1/4	1-3/4	1-9/16	1-9/16	3-1/8	2.87	JRR07526	J07500R	J07500P
J07536T	2-1/4	3-1/4	1-3/4	1-21/32	1-21/32	3-1/4	3.13	JRR07526	J07500R	J07500P
J07538T	2-3/8	3-1/2	1-3/4	1-3/4	1-3/4	3-3/8	4.11	JRR07526	J07500R	J07500P
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3/4" DRIVE IMPACT HEX BIT SOCKETS

- Stamped size for easy reference.
- Side locking hole.



Product #	Size (in)	Bit Length (in)	Overall Length (in)	Weight (lbs)	Repair Kit
J075909/16	9/16	1-3/8	3-3/4	0.96	J075909/16RK
J075905/8	5/8	1-15/32	3-27/32	1.11	J075905/8RK
J075903/4	3/4	1-7/8	4-3/8	1.75	J075903/4RK
J075907/8	7/8	2-7/32	4-3/4	2.09	J075907/8RK
J075901	1	2-33/64	5-13/64	2.59	J05901RK

3/4" DRIVE HEX BIT REPAIR KITS

Product #	Size (in)	Weight (lbs)	Hex Bit
J075909/16RK	9/16	0.18	J075909/16
J075905/8RK	5/8	0.21	J075905/8
J075903/4RK	3/4	0.41	J075903/4
J075907/8RK	7/8	0.62	J075907/8
J075901RK	1	0.94	J075901



3/4" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.



Product #	Overall Length (in) (L)	Weight (lbs)
J07570A	3-1/2	1.40

3/4" DRIVE ADAPTERS

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.
- Made of forged steel.
- Size stamped on tool for easy identification.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J07655	3/4" F x 1" M	2-1/2	0.89
J07656	1"F x 3/4"M	2-7/8	1.42
J7656	5/8"F x 3/4"M	1-31/32	0.40

ASME B107.2

3/4" DRIVE BUDD WHEEL DEEP SOCKET

- Stamped size for easy reference.
- Side locking hole.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J07524-LS	1-1/2	2-1/4	1-5/8	4	3.12

3/4" DRIVE EXTENSIONS

- Use extensions to gain access to fasteners in locations that would otherwise be difficult to reach.
- Male square is oriented in-line with female squares for use with fixed head torque wrenches.
- Full chamfer at drive opening (when applicable) for easy engagement with drive tools.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Features two thru holes and a groove to accept a Proto® retaining ring or pin or O-ring to help secure extension to the drive tool anvil.



Product #	Overall Length (in) (L)	Weight (lbs)
J07565	5	1.48
J07567	7	1.97
J07568	10	2.73
J07569	13	3.12

ASME B107.2

3/4" DRIVE RETAINING RINGS

- Retaining rings are used to help secure sockets onto drive tools.
- They are not intended to bear any load.
- The rotational forces are between the drive tool and the socket.
- The resin crush gauge on the pin helps indicate when a socket is excessively worn and should be replaced.
- Drive tool and socket should line up when in use and should not pinch the crush gauge.
- Cracked sockets and or worn drive tools cause each other to turn excessively in relation to each other. This action pinches the small fin or the crush gauge on these retaining rings. If the crush gauge is pinched, it is an indication that the socket and or the drive tool need to be replaced.
- One-piece construction, no loose parts. Pin is made of resin which allows the material to compress without breaking.
- Part numbers are embossed on the rings near the point at which the pin and ring meet.



Product #	Description	For Groove Dia. (in)	Diameter (in)	Height (in)	Weight (lbs)
JRR07520	Retaining Ring, 3/4" DR 1-1/4" GRV	1-1/4	1-7/16	3/16	0.01
JRR07523	Retaining Ring, 3/4" DR 1-7/16" GRV	1-7/16	1-5/8	3/16	0.01
JRR07526	Retaining Ring, 3/4" DR 1-5/8" GRV	1-5/8	1-13/16	3/16	0.01
JRR07528	Retaining Ring, 3/4" DR 1-3/4" GRV	1-3/4	1-15/16	3/16	0.01
JRR07532	Retaining Ring, 3/4" DR 1-15/16" GRV	1-15/16	2-3/16	3/16	0.01
JRR07534	Retaining Ring, 3/4" DR 2-1/8" GRV	2-1/8	2-5/16	3/16	0.01
JRR07536	Retaining Ring, 3/4" DR 2-1/4" GRV	2-1/4	2-7/16	3/16	0.01

3/4" DRIVE IMPACT SOCKET O-RING

Product #	Drive Size (in)	For Use With	Weight (lbs)
J07500R	3/4	All 3/4" drive impact sockets and attachments	0.01



3/4" DRIVE IMPACT SOCKET RETAINING PIN

Product #	Drive Size (in)	For Use With	Weight (lbs)
J07500P	3/4	All 3/4" drive impact sockets and attachments	0.01



1" DRIVE IMPACT SOCKETS - 4 POINT



- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J10012SS	3/4	1-7/8	2-1/8	5/8	1-3/8	2-1/2	1.57	JRR10028	J10000R1	J10000P1
J10013SS	13/16	1-15/16	2-1/8	5/8	1-3/8	2-1/2	1.53	JRR10028	J10000R1	J10000P1
J10014SS	7/8	2	2-1/8	5/8	1-3/8	2-1/2	1.52	JRR10028	J10000R1	J10000P1
J10015SS	15/16	2-1/16	2-1/8	19/32	1-3/8	2-1/2	1.80	JRR10028	J10000R1	J10000P1
J10016SS	1	2-1/8	2-1/8	11/16	1-3/8	2-1/2	1.75	JRR10028	J10000R1	J10000P1
J10018SS	1-1/8	2-1/4	2-3/8	23/32	1-3/8	2-1/2	1.80	JRR10028	J10000R1	J10000P1
J10024SS	1-1/2	2-5/8	2-5/8	25/32	1-3/8	2-1/2	2.80	JRR10028	J10000R1	J10000P1

1" DRIVE IMPACT SOCKETS - 8 POINT



- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J10014S	7/8	2	2	5/8	1-3/8	2-5/8	1.33	JRR10028	J10000R1	J10000P1
J10015S	15/16	2	2	5/8	1-3/8	2-5/8	1.52	JRR10028	J10000R1	J10000P1
J10016S	1	2-3/32	2-3/32	11/16	1-3/8	2-13/16	1.61	JRR10028	J10000R1	J10000P1
J10018S	1-1/8	2-7/16	2-7/16	23/32	1-3/8	2-13/16	1.85	JRR10028	J10000R1	J10000P1
J10019S	1-3/16	2-1/4	2-3/32	23/32	1-3/8	2-11/16	1.74	JRR10028	J10000R1	J10000P1
J10020S	1-1/4	2-7/16	2-7/16	11/16	1-1/2	2-13/16	1.92	JRR10028	J10000R1	J10000P1
J10021S	1-5/16	2-1/2	2-1/2	25/32	1-1/2	2-13/16	2.07	JRR10028	J10000R1	J10000P1
J10022S	1-3/8	2-1/2	2-1/2	25/32	1-5/8	2-13/16	1.97	JRR10028	J10000R1	J10000P1
J10023S	1-7/16	2-13/16	2-13/16	13/16	1-5/8	2-15/16	2.54	JRR10028	J10000R1	J10000P1
J10024S	1-1/2	2-13/16	2-13/16	13/16	1-5/8	2-13/16	2.47	JRR10028	J10000R1	J10000P1
J10026S	1-5/8	3-3/32	3-3/32	13/16	1-5/8	3-1/2	3.81	JRR10032	J10000R2	J10000P2
J10027S	1-11/16	3-3/16	3-3/16	7/8	1-3/4	3-1/2	4.06	JRR10032	J10000R2	J10000P2
J10028S	1-3/4	3-3/16	3-3/16	7/8	1-3/4	3-1/2	4.29	JRR10034	J10000R2	J10000P2
J10029S	1-13/16	3-3/8	3-3/8	7/8	1-7/8	3-1/2	4.16	JRR10034	J10000R2	J10000P2
J10030S	1-7/8	3-13/32	3-13/32	15/16	1-7/8	3-1/2	4.17	JRR10034	J10000R2	J10000P2
J10032S	2	3-1/2	3-1/2	1	1-15/16	3-1/2	4.42	JRR10034	J10000R2	J10000P2
J10035S	2-3/16	3-7/8	3-7/8	1	1-15/16	3-1/2	5.28	JRR10034	J10000R2	J10000P2



1" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J10012	3/4	1-7/16	2-1/8	19/32	1-5/16	2-7/16	1.11	JRR10028	J10000R1	J10000P1
J10013	13/16	1-1/2	2-1/8	5/8	1-3/8	2-1/2	1.07	JRR10028	J10000R1	J10000P1
J10014	7/8	1-17/32	2-1/8	21/32	1-3/8	2-1/2	1.17	JRR10028	J10000R1	J10000P1
J10015	15/16	1-39/64	2-1/8	19/32	1-3/8	2-1/2	1.19	JRR10028	J10000R1	J10000P1
J10016	1	1-3/4	2-1/8	3/4	1-3/8	2-1/2	1.19	JRR10028	J10000R1	J10000P1
J10017	1-1/16	1-3/4	2-1/8	7/8	1-1/2	2-5/8	1.28	JRR10028	J10000R1	J10000P1
J10018	1-1/8	1-13/16	2-1/8	7/8	1-1/2	2-5/8	1.27	JRR10028	J10000R1	J10000P1
J10019	1-3/16	1-7/8	2-1/8	7/8	1-1/2	2-5/8	1.50	JRR10028	J10000R1	J10000P1
J10020	1-1/4	2-1/8	2-1/8	15/16	1-1/2	2-5/8	1.50	JRR10028	J10000R1	J10000P1
J10021	1-5/16	2-1/8	2-1/8	15/16	1-5/8	2-3/4	1.45	JRR10028	J10000R1	J10000P1
J10022	1-3/8	2-1/8	2-1/8	1-1/32	1-5/8	2-3/4	1.65	JRR10028	J10000R1	J10000P1
J10023	1-7/16	2-1/8	2-1/8	1-1/32	1-5/16	2-7/16	1.71	JRR10028	J10000R1	J10000P1
J10024	1-1/2	2-3/8	2-3/8	1-1/4	1-1/2	2-5/8	1.89	JRR10028	J10000R1	J10000P1
J10025	1-9/16	2-3/8	2-3/8	1-1/4	1-1/2	2-5/8	2.14	JRR10032	J10000R2	J10000P2
J10026	1-5/8	2-15/32	2-3/8	1-1/4	1-1/2	2-5/8	2.11	JRR10032	J10000R2	J10000P2
J10027	1-11/16	2-39/64	2-3/8	1-1/8	1-11/16	2-13/16	2.18	JRR10032	J10000R2	J10000P2
J10028	1-3/4	2-11/16	2-3/8	1-1/8	1-11/16	2-13/16	2.63	JRR10034	J10000R2	J10000P2
J10029	1-13/16	2-51/64	2-3/8	1-1/8	1-1/16	2-13/16	2.55	JRR10034	J10000R2	J10000P2
J10030	1-7/8	2-51/64	2-3/8	1-1/4	1-7/8	3	2.75	JRR10034	J10000R2	J10000P2
J10031	1-15/16	2-7/8	2-3/8	1-1/4	1-7/8	3	3.01	JRR10034	J10000R2	J10000P2
J10032	2	3	2-3/8	1-1/4	1-7/8	3	3.10	JRR10034	J10000R2	J10000P2
J10033	2-1/16	3	2-3/8	1-9/16	1-9/16	3-3/32	3.04	JRR10034	J10000R2	J10000P2
J10034	2-1/8	3-1/8	2-3/8	1-3/8	1-9/16	3-3/32	3.30	JRR10034	J10000R2	J10000P2
J10035	2-3/16	3-1/4	2-3/8	1-3/8	1-9/16	3-1/8	3.54	JRR10034	J10000R2	J10000P2
J10036	2-1/4	3-5/16	2-3/8	1-1/2	1-21/32	3-1/4	3.60	JRR10034	J10000R2	J10000P2
J10037	2-5/16	3-7/16	2-3/8	1-1/2	1-23/32	3-21/64	4.13	JRR10034	J10000R2	J10000P2
J10038	2-3/8	3-1/2	2-3/8	1-1/2	1-3/4	3-3/8	4.07	JRR10034	J10000R2	J10000P2
J10039	2-7/16	3-1/2	2-3/8	1-5/8	1-3/4	3-25/64	4.12	JRR10034	J10000R2	J10000P2
J10040	2-1/2	3-5/8	2-3/8	1 -5/8	1-13/16	3-1/2	4.15	JRR10034	J10000R2	J10000P2
J10041	2-9/16	3-47/64	2-3/8	1-5/8	1-13/16	3-1/2	4.94	JRR10040	–	–
J10042	2-5/8	3-3/4	2-3/8	1-3/4	1-15/16	3-5/8	4.92	JRR10040	–	–
J10043	2-11/16	3-7/8	2-3/8	1-3/4	1-15/16	3-21/32	5.39	JRR10040	–	–
J10044	2-3/4	3-7/8	2-3/8	1-3/4	2	3-3/4	5.39	JRR10040	–	–
J10045	2-13/16	4	2-3/8	1-7/8	2-3/64	3-13/16	5.99	JRR10040	–	–
J10046	2-7/8	4-1/16	2-3/8	1-7/8	2-5/64	3-7/8	5.95	JRR10040	–	–
J10047	2-15/16	4-1/8	2-3/8	1-7/8	2-1/16	3-7/8	6.11	JRR10040	–	–
J10048	3	4-1/4	2-3/8	2	2-3/16	4	6.77	JRR10040	–	–
J10050	3-1/8	4-3/8	2-3/8	2	2-3/16	4-1/16	6.94	JRR10040	–	–
J10052	3-1/4	4-1/2	2-3/8	2	2-15/32	4-3/8	7.62	JRR10040	–	–
J10054	3-3/8	4-9/16	2-3/8	2-1/4	2-15/32	4-7/16	7.80	JRR10040	–	–
J10056	3-1/2	4-3/4	2-3/8	2-1/4	2-1/2	4-1/2	8.45	JRR10040	–	–
J10058	3-5/8	4-7/8	2-3/8	2-1/4	2-35/64	4-3/4	10.59	–	–	–
J10062	3-7/8	5-1/16	2-3/8	2-1/4	2-31/32	5	12.20	–	–	–
J10064	4	5-3/4	2-3/8	2-1/2	4-3/8	5-1/2	14.89	–	–	–
J10066	4-1/8	6	2-3/8	2-3/4	4-5/8	5-1/2	15.26	–	–	–
J10068	4-1/4	6	2-3/8	2-3/4	4-5/8	5-1/2	15.56	–	–	–
J10072	4-1/2	6-1/4	2-3/8	3	4-7/8	6	17.61	–	–	–

ASME B107.2

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC

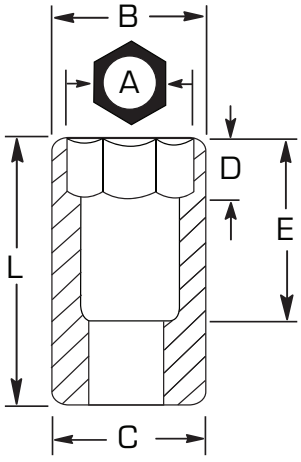
- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J10019M	19	1-7/16	2-1/8	39/64	57/64	2-13/32	1.10	JRR10028	J10000R1	J10000P1
J10022M	22	1-35/64	2-1/8	21/32	1	2-13/32	1.09	JRR10028	J10000R1	J10000P1
J10024M	24	1-39/64	2-1/8	3/4	1	2-13/32	1.06	JRR10028	J10000R1	J10000P1
J10026M	26	1-45/64	2	1-1/8	1-1/2	2-3/8	1.16	JRR10032	J10000R2	J10000P2
J10027M	27	1-49/64	2-1/8	7/8	1-13/64	2-19/32	1.27	JRR10032	J10000R2	J10000P2
J10028M	28	1-13/16	2-1/8	7/8	1-13/64	2-19/32	1.27	JRR10034	J10000R2	J10000P2
J10029M	29	1-51/64	2-1/8	1-19/64	1-31/64	2-19/32	1.30	JRR10034	J10000R2	J10000P2
J10030M	30	1-7/8	2-1/8	7/8	1-13/64	2-19/32	1.58	JRR10034	J10000R2	J10000P2
J10032M	32	2-1/8	2-1/8	15/16	1-13/64	2-19/32	1.51	JRR10034	J10000R2	J10000P2
J10033M	33	2-1/8	2-1/8	1	1-1/4	2-3/4	1.48	JRR10034	J10000R2	J10000P2
J10035M	35	2-13/64	2-1/8	1-13/32	1-13/64	2-45/64	1.63	JRR10034	J10000R2	J10000P2
J10036M	36	2-1/4	2-1/8	27/32	1-13/64	2-7/16	1.73	JRR10034	J10000R2	J10000P2
J10038M	38	2-25/64	2-25/64	1-13/32	1-1/4	2-45/64	1.91	JRR10034	J10000R2	J10000P2
J10041M	41	2-31/64	2-13/32	1-1/8	1-1/4	2-13/16	2.07	JRR10034	J10000R2	J10000P2
J10046M	46	2-25/32	2-13/32	1-5/16	1-13/32	2-13/16	2.63	JRR10040	–	–
J10050M	50	3	2-13/32	1-7/16	1-1/2	3	3.20	JRR10040	–	–
J10054M	54	3-3/32	2-13/32	1-19/32	1-1/2	3	3.33	JRR10040	–	–
J10055M	55	3-1/4	2-13/32	1-9/16	1-9/16	3-1/8	3.71	JRR10040	–	–
J10058M	58	3-1/2	2-7/16	1-43/64	2-13/32	3-13/64	3.85	–	–	–
J10060M	60	3-3/4	2-13/32	1-9/16	1-53/64	3-3/8	3.91	–	–	–
J10063M	63	3-3/4	2-13/32	1-9/16	1-13/16	3-3/8	4.12	–	–	–
J10065M	65	3-3/4	2-13/32	1-9/16	1-13/16	3-1/2	4.93	–	–	–
J10067M	67	3-3/4	2-3/4	2	2-21/64	3-1/2	4.93	–	–	–
J10070M	70	3-13/16	2-3/4	1-25/32	2-1/4	3-53/64	5.02	–	–	–
J10075M	75	4	2-3/4	2-13/64	2-11/16	3-27/32	6.15	–	–	–
J10080M	80	4-13/64	2-3/4	2-21/64	2-13/16	4	6.59	–	–	–

ASME B107.33M





1" DRIVE DEEP IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J10014L	7/8	1-35/64	2-1/8	21/32	2-5/8	3-3/4	2.45	JRR10028	J10000R1	J10000P1
J10015L	15/16	1-39/64	2-1/8	49/64	2-5/8	3-3/4	2.64	JRR10028	J10000R1	J10000P1
J10016L	1	1-3/4	2-1/8	3/4	2-5/8	3-3/4	2.66	JRR10028	J10000R1	J10000P1
J10017L	1-1/16	1-3/4	2-1/8	7/8	2-5/8	3-3/4	2.54	JRR10028	J10000R1	J10000P1
J10018L	1-1/8	1-13/16	2-1/8	7/8	2-5/8	3-3/4	2.53	JRR10028	J10000R1	J10000P1
J10019L	1-3/16	1-7/8	2-1/8	7/8	2-5/8	3-3/4	2.32	JRR10028	J10000R1	J10000P1
J10020L	1-1/4	2-1/8	2-1/8	15/16	2-5/8	3-3/4	2.55	JRR10028	J10000R1	J10000P1
J10021L	1-5/16	2-1/8	2-1/8	1	2-5/8	3-3/4	2.45	JRR10028	J10000R1	J10000P1
J10022L	1-3/8	2-1/8	2-1/8	1-1/32	2-5/8	3-3/4	2.38	JRR10028	J10000R1	J10000P1
J10023L	1-7/16	2-1/8	2-1/8	1-3/8	2-5/32	4	2.52	JRR10028	J10000R1	J10000P1
J10024L	1-1/2	2-3/8	2-3/8	1-3/8	2-5/32	4	2.80	JRR10028	J10000R1	J10000P1
J10025L	1-9/16	2-3/8	2-3/8	2	2-3/8	4	2.89	JRR10028	J10000R1	J10000P1
J10026L	1-5/8	2-3/8	2-3/8	2-1/4	2-53/64	4	2.73	JRR10032	J10000R2	J10000P2
J10027L	1-11/16	2-39/64	2-3/8	2-1/4	2-53/64	4-1/16	3.45	JRR10032	J10000R2	J10000P2
J10028L	1-3/4	2-39/64	2-3/8	2-1/4	2-53/64	4-1/16	3.31	JRR10034	J10000R2	J10000P2
J10029L	1-13/16	2-3/4	2-3/8	2-1/4	2-53/64	4-1/16	3.65	JRR10034	J10000R2	J10000P2
J10030L	1-7/8	2-3/4	2-3/8	2-3/8	2-3/4	4-1/4	3.74	JRR10034	J10000R2	J10000P2
J10031L	1-15/16	2-7/8	2-3/8	2-3/8	2-3/4	4-1/4	4.05	JRR10034	J10000R2	J10000P2
J10032L	2	3	2-3/8	2-3/8	2-3/4	4-1/4	4.31	JRR10034	J10000R2	J10000P2
J10033L	2-1/16	3-1/8	2-3/8	2-9/16	2-3/4	4-1/4	4.52	JRR10034	J10000R2	J10000P2
J10034L	2-1/8	3-1/8	2-3/8	2-19/32	2-31/32	4-1/2	4.78	JRR10034	J10000R2	J10000P2
J10035L	2-3/16	3-1/4	2-3/8	2-9/16	2-15/16	4-1/2	5.19	JRR10034	J10000R2	J10000P2
J10036L	2-1/4	3-1/4	2-3/8	2-17/32	2-29/32	4-1/2	4.98	JRR10034	J10000R2	J10000P2
J10037L	2-5/16	3-1/2	2-3/8	2-17/32	2-29/32	4-3/4	5.92	JRR10034	J10000R2	J10000P2
J10038L	2-3/8	3-1/2	2-3/8	2-3/4	3-1/8	4-3/4	8.06	JRR10034	J10000R2	J10000P2
J10039L	2-7/16	3-9/16	2-3/8	3-7/8	3-3/16	4-7/8	5.82	JRR10034	J10000R2	J10000P2
J10040L	2-1/2	3-5/8	2-3/8	3	3-1/4	4-7/8	6.02	JRR10034	J10000R2	J10000P2
J10041L	2-9/16	3-5/8	2-3/8	3-1/8	3-5/16	5	6.33	JRR10040	–	–
J10042L	2-5/5	3-3/4	2-3/8	3-1/16	3-7/16	5	6.75	JRR10040	–	–
J10044L	2-3/4	3-7/8	2-3/8	3-1/16	3-1/2	5	7.10	JRR10040	–	–

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

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1" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.



Product #	Overall Length (in) (L)	Weight (lbs)
J10670A	4-19/32	3.98

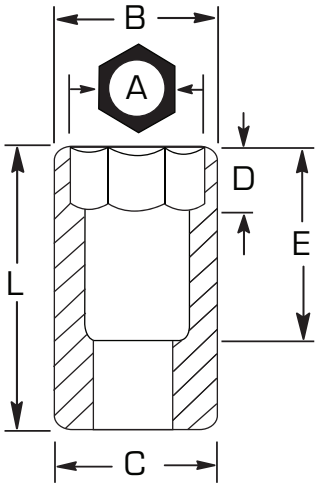
1" DRIVE IMPACT ADAPTERS

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J15007	1-1/2" F x 1" M	4-3/16	5.03
J07655	3/4" F x 1" M	2-1/2	0.89
J07656	1" F x 3/4" M	2-7/8	1.42
J10004	1" F x 1-1/2" M	3-1/2	2.64

ASME B107.2



1" DRIVE IMPACT ADAPTER - MALE SPLINE



- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.

Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J10005	1" SQ. F x #5 SPL. M	4-1/2	2.58

1" DRIVE BUDD WHEEL DEEP IMPACT SOCKET



- Double opening: 13/16 square threads studs onto wheel, 1-1/2 hex tightens lug nuts.

Product #	Size (in)	Drive Size (in)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J10024LS	1-1/2	1	2-3/8	2-3/8	4	2.96

1" DRIVE IMPACT EXTENSIONS



- Use extensions to gain access to fasteners in locations that would otherwise be difficult to reach.
- Male square is oriented in-line with female squares for use with fixed head torque wrenches.
- Full chamfer at drive opening (when applicable) for easy engagement with drive tools.
- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Stamped size for easy reference.
- Side locking hole.

Product #	Overall Length (in) (L)	Weight (lbs)
J10607	7-3/8	3.54
J10608	10	4.49
J10609	13	5.81

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1" DRIVE RETAINING RINGS

- Large drive size crush gauge retaining ring.
- Part numbers are embossed on the rings near the point at which the pin and ring meet.



Product #	Description	For Groove Dia. (in)	Diameter (in)	Height (in)	Weight (lbs)
JRR10028	Retaining Ring 1" DR 1-3/4 Groove	1-3/4	1-15/16	3/16	0.01
JRR10032	Retaining Ring 1" DR 2" Groove	2	2-3/16	3/16	0.01
JRR10034	Retaining Ring 1" DR 2-1/8 Groove	2-1/8	2-5/16	3/16	0.02
JRR10036	Retaining Ring 1" DR 2-1/4 Groove	2-1/4	2-7/16	3/16	0.02
JRR10040	Retaining Ring 1" DR 2-1/2 Groove	2-1/2	2-11/16	3/16	0.02
JRR10042	Retaining Ring 1" DR 2-5/8 Groove	2-5/8	2-13/16	3/16	0.02

1" DRIVE O-RINGS

- J10000R1 - "O" Ring for impact sockets with a 1" Drive.
- Use with:
  - J10012 thru J10023
  - J10019M thru J10036M
  - J10012SS thru J10018SS
  - J100185, J10017-LT, J10020-LT, J10607, J10608, J10609

Product #	Drive Size (in)	Weight (lbs)
J10000R1	1	0.01
J10000R2	1	0.01

- J10000R2 - "O" Ring for impact sockets with a 1" Drive.
- Use with:
  - J10024 thru J10072
  - J10041M thru J10065M
  - J10024L thru J10044L
  - J10024LS, J10670, J10004, J10005



1" DRIVE RETAINING PINS

- J10000P1 - Use for a variety of impact sockets and attachments.
- Use with:
  - J10012 thru J10023
  - J10019M thru J10036M
  - J10012SS thru J10018SS
  - J100185, J10017-LT, J10020-LT, J10607, J10608, J10609

Product #	Drive Size (in)	Weight (lbs)
J10000P1	1	0.02
J10000P2	1	0.02

- J10000P2 - Use for a variety of impact sockets and attachments.
- Use with:
  - J10024 thru J10072
  - J10041M thru J10065M
  - J10024L thru J10044L
  - J10024LS, J10670, J10004, J10005



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

1-1/2" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring
J15021	1-5/16	2-3/4	3-1/4	3/4	1-3/8	3-1/8	4.78	JRR15046
J15022	1-3/8	2-19/32	3-1/4	7/8	1-1/2	3-1/8	4.69	JRR15046
J15023	1-7/16	2-19/32	3-1/4	7/8	1-1/2	3-1/8	4.76	JRR15046
J15024	1-1/2	2-19/32	3-1/4	15/16	1-1/2	3-1/8	4.67	JRR15046
J15025	1-9/16	2-3/4	3-1/4	31/32	1-1/2	3-1/8	4.78	JRR15046
J15026	1-5/8	2-7/8	3-1/4	31/32	1-1/2	3-1/8	4.91	JRR15046
J15027	1-11/16	2-7/8	3-1/4	1-1/16	1-19/32	3-15/64	5.01	JRR15046
J15028	1-3/4	2-15/16	3-1/4	1-3/32	1-21/32	3-11/32	5.22	JRR15046
J15029	1-13/16	3	3-1/4	1-1/8	1-21/32	3-11/32	5.00	JRR15046
J15030	1-7/8	3	3-1/4	1-3/16	1-45/64	3-11/32	5.33	JRR15046
J15031	1-15/16	3	3-1/4	1-1/8	2	3-5/8	5.33	JRR15046
J15032	2	3-1/4	3-1/4	1-1/4	1-13/32	3-5/8	5.65	JRR15046
J15033	2-1/16	3-1/4	3-1/4	1-9/32	1-11/16	3-5/8	5.50	JRR15046
J15034	2-1/8	3-1/2	3-1/4	1-11/32	1-43/64	3-5/8	6.68	JRR15054
J15035	2-3/16	3-1/2	3-1/4	1-3/8	1-21/32	3-5/8	6.47	JRR15054
J15036	2-1/4	3-1/2	3-1/4	1-1/2	1-3/4	3-3/4	7.98	JRR15054
J15037	2-5/16	3-1/2	3-1/4	1-1/2	1-53/64	3-7/8	7.93	JRR15054
J15038	2-3/8	3-1/4	3-1/4	1-9/16	1-55/64	3-7/8	7.90	JRR15054
J15039	2-7/16	3-3/4	3-1/4	1-9/16	1-15/16	3-7/8	8.52	JRR15054
J15040	2-1/2	3-3/4	3-1/4	1-5/8	1-59/64	4	8.40	JRR15054
J15041	2-9/16	3-3/4	3-1/4	1-5/8	1-29/32	4	8.92	JRR15054
J15042	2-5/8	4-1/8	3-1/4	1-5/8	2	4-1/8	8.84	JRR15054
J15043	2-11/16	4-1/8	3-1/4	1-3/4	2-7/64	4-1/4	9.25	JRR15054
J15044	2-3/4	4-1/4	3-1/4	1-3/4	2-5/64	4-1/4	10.03	JRR15054
J15045	2-13/16	4-1/4	3-1/4	1-7/8	2-3/16	4-3/8	9.83	JRR15054
J15046	2-7/8	4-1/2	3-1/4	1-7/8	2-11/64	4-3/8	11.36	JRR15054
J15047	2-15/16	4-1/2	3-1/4	2	2-17/16	4-1/2	11.24	JRR15054
J15048	3	4-1/2	3-1/4	2	2-1/4	4-1/2	12.59	JRR15054
J15049	3-1/16	4-3/4	3-1/4	2	2-23/64	4-5/8	12.53	JRR15054
J15050	3-1/8	4-3/4	3-1/4	2	2-23/64	4-5/8	12.42	JRR15054
J15051	3-3/16	4-3/4	3-1/4	2	2-9/16	4-23/32	12.15	JRR15054
J15052	3-1/4	5	3-1/4	2	2-35/64	4-23/32	14.08	JRR15054
J15053	3-5/16	5	3-1/4	2	2-31/64	4-23/32	13.79	JRR15054
J15054	3-3/8	5	3-1/4	2	2-33/64	4-23/32	13.67	JRR15054
J15055	3-7/16	5	3-1/4	2	2-39/64	4-31/32	13.44	–
J15056	3-1/2	5-1/8	3-1/4	2-1/4	2-37/64	4-31/32	14.46	–
J15057	3-9/16	5-1/8	3-1/4	2-1/4	2-9/16	5	12.54	–
J15058	3-5/8	5-1/8	3-1/4	2-1/4	2-35/64	5	14.73	–
J15059	3-11/16	5-1/8	3-1/4	2-1/4	2-33/64	5	14.67	–
J15060	3-3/4	5-1/2	3-1/4	2-1/4	2-1/2	5	16.75	–
J15061	3-13/16	5-1/2	3-1/4	2-1/4	2-31/64	5	19.49	–
J15062	3-7/8	5-1/2	3-1/4	2-1/4	2-31/32	5-1/2	18.70	–
J15063	3-15/16	5-3/4	3-1/4	2-1/2	2-15/16	5-1/2	21.33	–
J15064	4	5-3/4	3-1/4	2-1/2	2-59/64	5-1/2	20.66	–
J15065	4-1/16	5-3/4	3-1/4	2-3/4	2-29/32	5-1/2	20.25	–
J15066	4-1/8	6	3-1/4	2-3/4	3-1/8	5-3/4	26.72	–

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring
J15067	4-3/16	6-11/16	3-3/4	3-1/8	4-5/8	6-1/4	26.17	–
J15068	4-1/4	6	3-1/4	2-3/4	3-5/64	5-3/4	27.05	–
J15069	4-5/16	6	3-1/4	2-3/4	3-1/16	5-3/4	27.66	–
J15070	4-3/8	6-1/4	3-1/4	2-3/4	3-3/64	5-3/4	28.23	–
J15071	4-7/16	6-1/4	3-1/4	3	3-17/64	6	18.63	–
J15072	4-1/2	6-1/4	3-1/4	3	3-1/4	6	28.40	–
J15074	4-5/8	6-1/2	3-1/4	3	3-15/32	6-1/4	29.98	–
J15076	4-3/4	6-1/2	3-1/4	3	3-27/64	6-1/4	30.15	–
J15080	5	6-3/4	3-1/2	3	3-1/2	6-3/4	25.16	–

ASME B107.2

1-1/2" DRIVE METRIC IMPACT SOCKETS - 6 POINT

METRIC



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J15036M	36	2-3/4	3-1/4	7/8	1-3/8	3-3/16	4.73	JRR10034	J10000R2	J10000P2
J15038M	38	2-7/8	3-1/4	7/8	1-7/16	3-1/4	4.85	JRR10034	J10000R2	J10000P2
J15060M	60	3-5/8	3-5/8	1-3/8	2-3/8	4	8.71	–	–	–
J15065M	65	3-7/8	3-7/8	1-1/2	2-1/2	4-3/16	8.75	–	–	–
J15070M	70	4-1/16	3-3/4	1-5/8	2-3/4	4-3/8	9.72	–	–	–
J15075M	75	4-5/16	3-3/4	1-3/4	2-7/8	4-1/2	11.04	–	–	–

1-1/2" DRIVE DEEP IMPACT SOCKETS - 6 POINT



- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.
- Stamped size for easy reference.
- Side locking hole.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J15021L	1-5/16	2-3/4	3-1/4	13/16	4	5-11/16	10.23	JRR15046	J10000R2	J10000P2
J15022L	1-3/8	2-19/32	3-1/4	7/8	4-1/8	5-3/4	9.18	JRR15046	J10000R2	J10000P2
J15023L	1-7/16	2-19/32	3-1/4	7/8	4-1/8	5-3/4	9.09	JRR15046	–	–
J15024L	1-1/2	2-19/32	3-1/4	15/16	4-1/8	5-3/4	9.13	JRR15046	–	–
J15025L	1-9/16	2-7/8	3-1/4	31/32	4-1/8	5-3/4	8.86	JRR15046	–	–
J15026L	1-5/8	2-7/8	3-1/4	31/32	4-1/8	5-3/4	9.37	JRR15046	–	–
J15027L	1-11/16	2-7/8	3-1/4	1-1/16	4-1/8	5-3/4	9.19	JRR15046	–	–
J15028L	1-3/4	2-15/16	3-1/4	1-3/32	4-1/8	5-3/4	8.80	JRR15046	–	–
J15029L	1-13/16	3-1/8	3-1/4	1-1/8	4-1/8	5-3/4	9.52	JRR15046	–	–
J15030L	1-7/8	3-1/8	3-1/4	1-3/16	4-1/8	5-3/4	9.30	JRR15046	–	–
J15031L	1-15/16	3-1/8	3-1/4	1-1/8	4-1/8	5-3/4	8.78	JRR15046	–	–
J15032L	2	3-1/4	3-1/4	1-21/32	3-53/64	5-3/4	9.40	JRR15046	–	–
J15033L	2-1/16	3-1/4	3-1/4	1-45/64	3-13/16	5-3/4	8.27	JRR15046	–	–
J15034L	2-1/8	3-1/2	3-1/4	1-3/4	3-57/64	5-3/4	9.35	JRR15054	J10000R2	J10000P2
J15035L	2-3/16	3-1/2	3-1/4	1-51/64	3-57/64	5-3/4	8.83	JRR15054	J10000R2	J10000P2

(CONTINUED ON NEXT PAGE)

1-1/2" DRIVE DEEP IMPACT SOCKETS (CONTINUED)

Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)	Crush Retaining Ring	O-Ring	Retaining Pin
J15036L	2-1/4	3-1/2	3-1/4	1-27/32	3-57/64	5-7/8	8.78	JRR15054	–	–
J15037L	2-5/16	3-1/2	3-1/4	1-29/32	3-57/64	5-7/8	8.47	JRR15054	–	–
J15038L	2-3/8	3-3/4	3-1/4	1-61/64	3-57/64	5-7/8	12.21	JRR15054	–	–
J15039L	2-7/16	3-3/4	3-1/4	2-1/64	3-15/16	6	13.56	JRR15054	–	–
J15040L	2-1/2	3-3/4	3-1/4	2-1/16	3-59/64	6	13.41	JRR15054	–	–
J15041L	2-9/16	3-3/4	3-1/4	2-7/64	3-57/64	6	14.28	JRR15054	–	–
J15042L	2-5/8	4-1/8	3-1/4	2-5/32	3-57/64	6	11.59	JRR15054	–	–
J15043L	2-11/16	4-1/8	3-1/4	2-7/32	3-63/64	6-1/8	14.50	JRR15054	–	–
J15044L	2-3/4	4-1/4	3-1/4	2-17/64	3-31/32	6-1/8	15.25	JRR15054	–	–
J15045L	2-13/16	4-1/4	3-1/4	2-5/16	4-1/16	6-1/4	15.53	JRR15054	–	–
J15046L	2-7/8	4-1/2	3-1/4	2-3/8	4-3/64	6-1/4	17.74	JRR15054	–	–
J15047L	2-15/16	4-1/2	3-1/4	2-27/64	4-1/64	6-1/4	17.25	JRR15054	–	–
J15048L	3	4-1/2	3-1/4	2-15/32	4-1/8	6-3/8	19.17	JRR15054	–	–
J15049L	3-1/16	4-3/4	3-1/4	2-33/64	4-1/8	6-3/8	15.76	JRR15054	–	–
J15050L	3-1/8	4-3/4	3-1/4	2-37/64	4-5/64	6-3/8	18.89	JRR15054	–	–
J15051L	3-3/16	4-3/4	3-1/4	2-5/8	4-3/16	6-1/2	19.16	JRR15054	–	–
J15052L	3-1/4	5	3-1/4	2-43/64	4-5/32	6-1/2	21.66	JRR15054	–	–
J15053L	3-5/16	5	3-1/4	2-47/64	4-1/8	6-1/2	21.33	JRR15054	–	–
J15054L	3-3/8	5	3-1/4	2-25/32	4-1/8	6-1/2	21.10	JRR15054	–	–
J15055L	3-7/16	5	3-1/4	2-27/32	4-7/64	6-1/2	20.78	–	–	–
J15056L	3-1/2	5-1/8	3-1/4	2-7/8	4-5/64	6-1/2	21.68	–	–	–
J15057L	3-9/16	5-1/8	3-1/4	2-15/16	4-5/16	6-3/4	17.24	–	–	–
J15058L	3-5/8	5-1/8	3-1/4	2-63/64	4-19/64	6-3/4	17.48	–	–	–
J15059L	3-11/16	5-1/8	3-1/4	3-1/32	4-17/64	6-3/4	16.2	–	–	–
J15060L	3-3/4	5-1/2	3-1/4	3-3/32	4-15/64	6-3/4	26.63	–	–	–
J15061L	3-13/16	5-1/2	3-1/4	3-9/64	4-15/64	6-3/4	18.52	–	–	–
J15062L	3-7/8	5-1/2	3-1/4	3-3/16	4-7/32	6-3/4	27.36	–	–	–
J15063L	3-15/16	5-3/4	3-1/4	3-1/4	4-7/16	7	21.16	–	–	–
J15064L	4	5-3/4	3-1/4	3-19/64	4-7/16	7	30.47	–	–	–
J15065L	4-1/16	5-3/4	3-1/4	3-11/32	4-25/64	7	19.43	–	–	–
J15066L	4-1/8	6	3-1/4	3-25/64	4-25/64	7	36.26	–	–	–
J15067L	4-3/16	6	3-1/4	3-7/16	5-1/32	7-1/4	21.71	–	–	–
J15068L	4-1/4	6	3-1/4	3-1/2	4-37/64	7-1/4	22.36	–	–	–
J15069L	4-5/16	6	3-1/4	3-9/16	4-9/16	7-1/4	28.73	–	–	–
J15070L	4-3/8	6-1/4	3-1/4	3-39/64	4-35/64	7-1/4	24.04	–	–	–
J15072L	4-1/2	6-1/4	3-1/4	3-45/64	4-1/2	7-1/4	35.85	–	–	–
J15074L	4-5/8	6-1/2	3-1/4	3-13/16	4-23/32	7-1/2	41.32	–	–	–
J15076L	4-3/4	6-1/2	3-1/4	3-29/32	4-43/64	7-1/2	24.23	–	–	–

ASME B107.2

1-1/2" DRIVE IMPACT UNIVERSAL JOINT

- Tight tolerances for snug fit on fastener.
- Used wherever powered drive tools are used to install or remove fasteners.
- Designed to withstand the high torque and force associated with impact tools in repetitive application.
- Features two through holes and a groove to accept a Proto® Retaining Ring or pin and O-ring to help secure the socket to the drive tool anvil.
- Position at appropriate angle to turn fasteners where obstructions prevent a straight application.
- Ball and spring design which allows for a 30° working angle.
- Smooth 360° rotation.



Product #	Overall Length (in) (L)	Weight (lbs)
J15670A	6-19/64	9.35

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1-1/2" DRIVE IMPACT ADAPTERS

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J15007	1-1/2" F x 1" M	4-3/16	5.03
J10004	1" F x 1-1/2" M	3-1/2	2.64

ASME B107.2

1-1/2" DRIVE IMPACT ADAPTER - MALE SPLINE

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J15005	1-1/2" F x #5 SPL. M	5-3/8	5.94

1-1/2" DRIVE IMPACT EXTENSIONS

- Drive end chamfer and four detents help provide quick positive engagement with drive tool on any of the socket drive walls.
- Tight tolerances for snug fit on fastener.
- Large clearance holes, concentric opening and nut end chamfer make it easy to position socket on fasteners.
- Made from high-strength steel to help minimize wall thickness and provide access to fasteners in recesses and where nuts and bolts protrude.
- Impact sockets are used wherever powered drive tools are used to install or remove fasteners.
- Impact sockets are designed to withstand the high torque and force associated with impact tools in repetitive application.
- Use extensions to gain access to fasteners in locations that would otherwise be difficult to reach.
- Male square is oriented in line with female squares for use with fixed head torque wrenches.
- Full chamfer at drive opening (when applicable) for easy engagement with drive tools.



Product #	Overall Length (in) (L)	Weight (lbs)
J15097P	8	9.17
J15098P	12	12.66
J15099P	15	15.58

1-1/2" DRIVE RETAINING RINGS

- Large drive size crush gauge retaining ring.
- Part numbers are embossed on the rings near the point at which the pin and ring meet.



Product #	Description	For Groove Dia. (in)	Diameter (in)	Height (in)	Weight (lbs)
JRR15046	Retaining Ring, CG 1-1/2" DR 2-7/8 Groove	2-7/8	3-3/8	1/4	0.03
JRR15054	Retaining Ring, CG 1-1/2" DR 3-3/8 Groove	3-3/8	3-7/8	1/4	0.03
JRR15062	Retaining Ring, CG 1-1/2" DR 3-7/8 Groove	3-7/8	4-3/8	1/4	0.04
JRR15070	Retaining Ring, CG 1-1/2" DR 4-3/8 Groove	4-3/8	4-7/8	1/4	0.04

2-1/2" DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J25028	1-3/4	4-3/16	5	1-1/8	2-7/8	5-3/8	21.08
J25030	1-7/8	4-5/16	5	1-3/16	2-7/8	5-3/8	20.97
J25032	2	4-3/8	5	1-1/4	2-7/8	5-3/8	20.80
J25034	2-1/8	4-1/2	5	1-3/8	2-7/8	5-3/8	20.59
J25036	2-1/4	4-9/16	5	1-7/16	3	5-1/2	21.06
J25038	2-3/8	4-5/8	5	1-1/2	3	5-1/2	20.85
J25040	2-1/2	4-3/4	5	1-9/16	3	5-1/2	20.65
J25041	2-9/16	4-3/4	5	1-5/8	3	5-1/2	20.61
J25042	2-5/8	4-13/16	5	1-11/16	3	5-1/2	20.53
J25044	2-3/4	4-15/16	5	1-3/4	3-1/8	5-5/8	20.89
J25046	2-7/8	5	5	1-13/16	3-1/8	5-5/8	20.87
J25047	2-15/16	5-1/16	5-1/16	1-7/8	3-1/8	5-5/8	21.16
J25048	3	5-1/8	5-1/8	2	3-1/8	5-5/8	21.30
J25050	3-1/8	5-3/16	5-3/16	2	3-1/4	5-3/4	22.63
J25052	3-1/4	5-5/16	5-5/16	2-1/16	3-1/4	5-3/4	23.79
J25054	3-3/8	5-7/16	5-7/16	2-1/8	3-1/4	5-3/4	24.84
J25055	3-7/16	5-1/2	5-1/2	2-3/16	3-1/4	5-3/4	25.29
J25056	3-1/2	5-9/16	5-9/16	2-1/4	3-1/4	5-3/4	25.77
J25058	3-5/8	5-11/16	5-11/16	2-5/16	3-1/4	5-3/4	26.99
J25060	3-3/4	5-13/16	5-13/16	2-3/8	3-3/4	6-1/4	31.04
J25062	3-7/8	5-15/16	5-15/16	2-1/2	3-3/4	6-1/4	32.27
J25064	4	6-1/16	6-1/16	2-1/2	3-3/4	6-1/4	33.70
J25066	4-1/8	6-3/16	6	2-5/8	3-3/4	6-1/4	34.69
J25068	4-1/4	6-5/16	6	2-3/4	4-1/4	6-3/4	37.32
J25070	4-3/8	6-7/16	6	2-3/4	4-1/4	6-3/4	38.04
J25072	4-1/2	6-9/16	6	2-7/8	4-1/2	7	40.41
J25074	4-5/8	6-11/16	6	3	4-1/2	7	40.54
J25076	4-3/4	6-13/16	6	3	4-1/2	7	41.29
J25078	4-7/8	6-15/16	6	3	4-3/4	7-1/4	42.94
J25080	5	7-1/16	6	3-3/16	5	7-1/2	45.46
J25082	5-1/8	7-1/4	6	3-5/16	5	7-1/2	46.12
J25084	5-1/4	7-3/8	6	3-5/16	5	7-1/2	47.47
J25086	5-3/8	7-1/2	6	3-3/8	5-1/4	7-3/4	50.48
J25087	5-7/16	7-9/16	6	3-7/16	5-1/4	7-3/4	50.92
J25088	5-1/2	7-5/8	6	3-1/2	5-1/4	7-3/4	51.41

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J25090	5-5/8	7-13/16	6	3-9/16	5-1/4	7-3/4	52.50
J25092	5-3/4	7-15/16	6	3-5/8	5-1/4	7-3/4	53.43
J25094	5-7/8	8-1/16	6	3-3/4	5-1/4	7-3/4	53.75
J25096	6	8-1/4	6	3-13/16	5-3/8	7-7/8	56.13
J25098	6-1/8	8-3/8	6	3-7/8	5-3/8	7-7/8	56.72
J25100	6-1/4	8-1/2	6	3-7/8	5-3/8	7-7/8	57.61
J25102	6-3/8	8-11/16	6	4	5-1/2	8	59.32
J25104	6-1/2	8-13/16	6	4	5-1/2	8	60.35
J25106	6-5/8	8-15/16	6-1/2	4-1/4	5-1/2	8	63.91
J25108	6-3/4	9-1/8	6-1/2	4-1/4	5-1/2	8	64.60
J25110	6-7/8	9-1/4	6-1/2	4-5/16	5-1/2	8	65.05
J25112	7	9-3/8	6-1/2	4-5/16	5-1/2	8	66.10
J25114	7-1/8	9-9/16	6-1/2	4-5/16	5-1/2	8	67.21
J25116	7-1/4	9-11/16	6-1/2	4-5/16	6	8-1/2	75.16
J25118	7-3/8	9-13/16	6-1/2	4-5/16	6	8-1/2	76.28
J25120	7-1/2	10	6-1/2	4-5/16	6	8-1/2	77.24
J25122	7-5/8	10-1/8	6-1/2	4-5/16	6	8-1/2	77.98
J25124	7-3/4	10-1/4	6-1/2	4-5/16	6	8-1/2	78.65
J25126	7-7/8	10-3/8	6-1/2	4-5/16	6-1/4	8-3/4	84.00
J25128	8	10-9/16	6-1/2	4-5/16	6-1/4	8-3/4	86.44

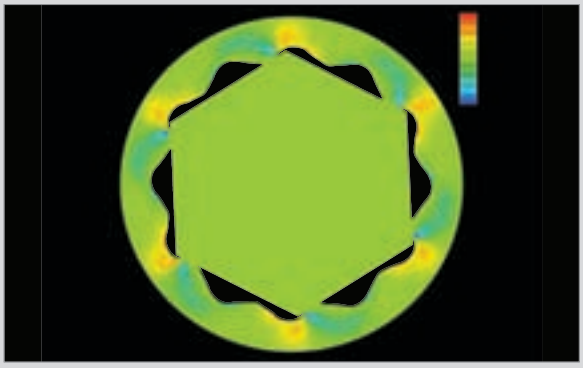
2-1/2" DRIVE RETAINING PIN

- Large drive size crush gauge retaining ring.
- Part numbers are embossed on the rings near the point at which the pin and ring meet.

Product #	Description	For Groove Dia. (in)	Diameter (in)	Height (in)	Weight (lbs)
JRP25000	Retaining Pin, 2-1/2" DR	2	4-1/2	1/2	0.21

PRODUCT FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



#5 SPLINE DRIVE IMPACT SOCKETS - 6 POINT

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Bolt Clearance Depth (in) (E)	Overall Length (in) (L)	Weight (lbs)
J09915	15/16	1-5/8	2-3/8	19/32	1-1/2	3	1.94
J09916	1	1-11/16	2-3/8	5/8	1-1/2	3-1/8	1.91
J09917	1-1/16	1-11/16	2-3/8	43/64	1-1/2	3-1/8	1.92
J09918	1-1/8	1-7/8	2-3/8	23/32	1-1/2	3-1/4	2.09
J09919	1-3/16	1-7/8	2-3/8	3/4	1-1/2	3-1/4	2.10
J09920	1-1/4	2-3/8	2-3/8	25/32	1-1/2	3-1/4	2.21
J09921	1-5/16	2-3/8	2-3/8	53/64	1-5/8	3-1/4	2.23
J09922	1-3/8	2-3/8	2-3/8	55/64	1-5/8	3-3/8	2.23
J09923	1-7/16	2-1/2	2-3/8	29/32	29/32	3-3/8	2.43
J09924	1-1/2	2-1/2	2-3/8	15/16	15/16	3-3/8	2.46
J09925	1-9/16	2-3/4	2-3/8	63/64	63/64	3-1/2	2.69
J09926	1-5/8	2-3/4	2-3/8	1-1/64	1-1/64	3-5/8	2.94
J09927	1-11/16	2-15/16	2-3/8	1-27/64	2-1/8	3-5/8	2.95
J09928	1-3/4	2-15/16	2-3/8	1-7/64	1-27/64	3-47/64	3.11
J09929	1-13/16	3-1/8	2-3/8	1-1/8	1-27/64	3-7/16	3.27
J09930	1-7/8	3-1/8	2-3/8	1-3/16	1-1/2	3-17/32	3.25
J09931	1-15/16	3-1/8	2-3/8	1-1/4	1-1/2	3-17/32	3.43
J09932	2	3-1/4	2-3/8	1-1/4	1-15/32	3-17/32	3.66
J09933	2-1/16	3-1/4	2-3/8	1-19/32	2-1/8	4	3.89
J09934	2-1/8	3-1/2	2-3/8	1-37/64	2-1/8	3-11/16	4.63
J09935	2-3/16	3-1/2	2-3/8	1-3/8	1-39/64	3-3/4	4.28
J09936	2-1/4	3-1/2	2-3/8	1-1/2	1-23/32	4-3/16	4.52
J09937	2-5/16	3-1/2	2-3/8	1-23/32	2-7/16	3-57/64	4.44
J09938	2-3/8	3-3/4	2-3/8	1-11/16	2-7/16	3-57/64	4.80
J09939	2-7/16	3-3/4	2-3/8	1-25/32	2-13/16	4	5.29
J09940	2-1/2	3-3/4	2-3/8	1-53/64	2-13/16	4-3/8	5.11
J09941	2-9/16	3-3/4	2-3/8	1-5/8	1-55/64	4-3/8	6.45
J09942	2-5/8	4-1/8	2-3/8	1-59/64	2-13/16	4-1/2	6.68
J09944	2-3/4	4-1/4	2-3/8	1-3/4	1-59/64	4-1/4	6.89
J09947	2-15/16	4-1/2	2-3/8	2-5/32	3	4-13/16	8.22
J09948	3	4-1/2	2-3/8	2	2-13/64	4-39/64	7.93
J09950	3-1/8	4-3/4	2-3/8	2	2-13/64	4-39/64	7.95

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

#5 SPLINE DRIVE IMPACT ADAPTERS - MALE SQUARE

- Use adapters to help increase or decrease drive end size.
- Do not use hand adapters with power tools.
- Do not over torque small sockets when using them with adapters on large drive tools.



Product #	Size (in)	Overall Length (in) (L)	Weight (lbs)
J09902	#5 SPL. F x 1" Sq. M	4-3/8	2.16
J09904	#5 SPL. F x 1-1/2" Sq. M	5	2.74

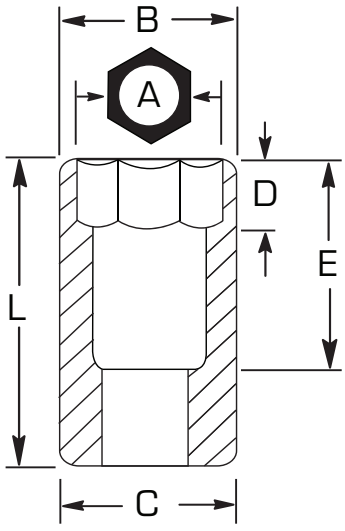
#5 SPLINE DRIVE BUDD WHEEL DEEP IMPACT SOCKET

- Proto® 6 Point Impact Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- TorquePlus™ features apply.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
J09924-LS	1-1/2	2-3/8	2-3/8	4-3/16	3.10



1/4" DRIVE HIGH STRENGTH MAGNETIC POWER SOCKETS - 6 POINT

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. Allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.
- Socket size stamped on tool for easy identification.
- Side locking hole.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J6906PF	3/16	5/16	1/2	5/32	7/8	0.03
J6908PF	1/4	25/64	1/2	11/64	7/8	0.03
J6910PF	5/16	1/2	1/2	13/64	15/16	0.04
J6911PF	11/32	33/64	33/64	7/32	15/16	0.04
J6912PF	3/8	9/16	9/16	15/64	15/16	0.05
J6914PF	7/16	21/32	21/32	1/4	1	0.07
J6916PF	1/2	11/16	11/16	1/4	1	0.08

ASME B107.2

1/4" DRIVE METRIC HIGH STRENGTH MAGNETIC POWER SOCKETS - 6 POINT

METRIC

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. Allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Socket size stamped on tool for easy identification.
- Side locking hole.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J6905MPF	5	5/16	1/2	5/32	7/8	0.03
J69055MPF	5.5	23/64	1/2	5/32	7/8	0.03
J6906MPF	6	25/64	1/2	11/64	7/8	0.03
J6907MPF	7	7/16	1/2	11/64	15/16	0.04
J6908MPF	8	1/2	1/2	11/64	15/16	0.04
J6909MPF	9	33/64	33/64	13/64	15/16	0.04
J6910MPF	10	9/16	9/16	7/32	15/16	0.05
J6911MPF	11	5/8	5/8	17/64	1	0.06
J6912MPF	12	11/16	11/16	9/32	1	0.08
J6913MPF	13	47/64	47/64	19/64	1	0.09

ASME B107.33

3/8" DRIVE HIGH STRENGTH MAGNETIC POWER SOCKETS - 6 POINT

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7210PF	5/16	1/2	11/16	3/16	1-3/32	0.08
J7212PF	3/8	39/64	11/16	15/64	1-3/32	0.09
J7214PF	7/16	11/16	11/16	1/4	1-3/16	0.08
J7216PF	1/2	3/4	3/4	9/32	1-3/16	0.10
J7218PF	9/16	13/16	13/16	21/64	1-3/16	0.11

ASME B107.2

3/8" DRIVE METRIC HIGH STRENGTH MAGNETIC POWER SOCKETS - 6 POINT

METRIC

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.



Product #	Size (mm) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7207MPF	7	31/64	11/16	11/64	1-3/32	0.08
J7208MPF	8	1/2	11/16	7/32	1-3/32	0.07
J7210MPF	10	5/8	11/16	7/32	1-9/64	0.08
J7211MPF	11	11/16	11/16	17/64	1-9/64	0.08
J7212MPF	12	47/64	47/64	9/32	1-9/64	0.10
J7213MPF	13	3/4	3/4	19/64	1-13/64	0.10
J7215MPF	15	55/64	55/64	21/64	1-13/64	0.14

ASME B107.33M

1/2" DRIVE HIGH STRENGTH MAGNETIC POWER SOCKETS - 6 POINT

- ProtoGrip™ Magnetic Sockets use high-strength magnets made from a rare earth magnet alloy/nylon blend.
- ProtoGrip™ Magnetic Sockets require no bushings to hold the magnet in place. This allows room for more magnet material, helping increase total magnetic strength.
- Designed to easily pick up heavy fasteners and hold them tightly during use.
- Strong magnetic hold helps increase efficiency when installing fasteners in awkward or hard-to-reach locations.
- Power sockets with high surface hardness are used in high-speed assembly operations. Ideal for nut runners.



Product #	Size (in) (A)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Nut Depth (in) (D)	Overall Length (in) (L)	Weight (lbs)
J7412PF	3/8	47/64	15/16	15/16	1-1/2	0.18
J7414PF	7/16	47/64	15/16	1/4	1-1/2	0.18
J7416PF	1/2	51/64	15/16	17/64	1-1/2	0.20
J7418PF	9/16	15/16	15/16	21/64	1-1/2	0.20

ASME B107.2



IF YOU FIND YOURSELF SECOND-GUESSING YOUR TORQUE WRENCH, FIND A NEW TORQUE WRENCH.

You simply can't hope that a bolt holding a rotor blade on an Apache helicopter is properly tightened. Or that a nut keeping a conveyor running smoothly is secured. You have to know they are. At Proto®, our wrench parts are manufactured from high-grade steel. Key working components are heat-treated to resist wear. Springs are manufactured to keep their shape for thousands of cycles. And assembly is done on a work bench, by hand. We even offer three product series to fit any tolerance ranges from automotive to commercial air. All this ensures durable, dependable accuracy. Anything less is intolerable.

PRECISION TORQUE



Micrometer Torque Wrenches

PROTO

INTERCHANGEABLE HEAD TORQUE SYSTEM

- Manufactured from a solid piece of steel.
- No welds or cuts to compromise the integrity of the attachment.

In the Proto® IHTW System, the handles and the attachments are engineered by the same team, and manufactured to a precise spec so that the centerline distances of each tang size remain the same, from one attachment to another, from one piece to the next. Proto® can deliver a high degree of consistency and repeatability from tool to tool and job to job.

Each attachment, for a given tang size, has the same centerline distance, so the wrench can use the same torque calculation regardless of the attachment.



Each size is manufactured from a single piece of steel and engineered specifically to that size.



TANG SIZES

Tang sizes are similar to Drive Sizes for Ratchets:
H4 Tang = 1/4" Drive
H5 Tang = 3/8" Drive
H7 Tang = 1/2" Drive



H4 TANG



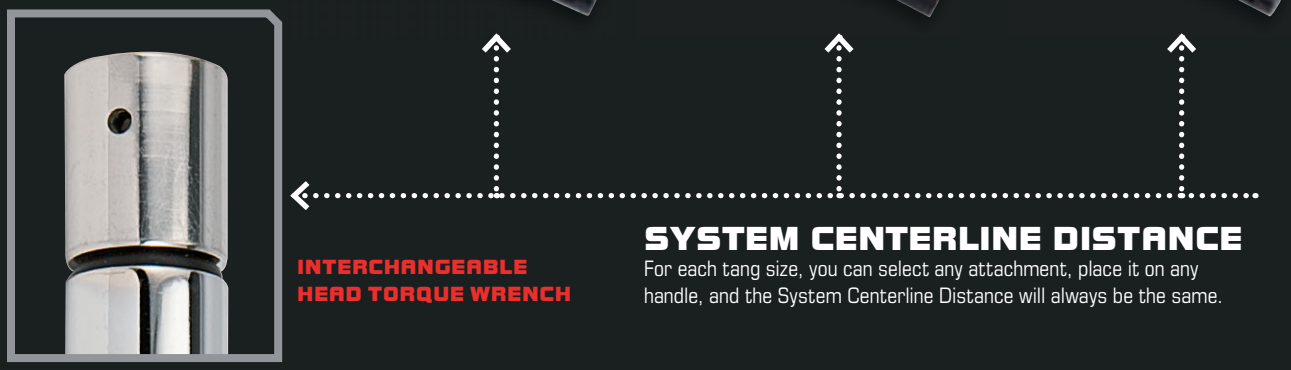
H5 TANG



H7 TANG

SYSTEM CENTERLINE DISTANCES ARE KEY

Each attachment for a given tang size is specifically engineered to maintain the System Centerline Distance - a fresh design, engineered to work smoothly as part of the whole system. No tool has a weld to throw off the centerline distance. Only when the piece is manufactured from a single piece of steel can the System Centerline Distance be reliably and accurately maintained.



SYSTEM CENTERLINE DISTANCE

For each tang size, you can select any attachment, place it on any handle, and the System Centerline Distance will always be the same.

INTERCHANGEABLE HEAD TORQUE WRENCH HANDLE

- Electronic Torque Wrenches offer the highest level of precision.
- We offer a range of pre-set torque wrenches from 50 ft-lbs. to 200 ft-lbs. for dedicated applications.





ELECTRONIC INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- Full interface with Proto® Interchangeable Head Attachments.
- Accuracy of +/- 2% of indicated value in both clockwise and counter clockwise directions.
- Broad accuracy range extends from 10% to 100% of Full Scale to help reduce the number of torque wrenches required.
- Ninety-nine "on-board" memory storage locations help improve efficiency when taking multiple torque readings.
- Three units of measure are available (Ft-lb, In-lb, and Nm).
- Three operating modes: Track Mode, Peak Hold and Auto Clear.
- Fast sampling rate helps maintain high accuracy during torque applications.
- Torque wrench head rotates to allow for easy viewing of LCD display.
- Easy to read LCD Display with large digits.
- 3-way Red/Green/Yellow lights.
- Yellow light appears at the low end of the zone.
- Green light appears and buzzer sounds when the target is reached.
- Red light appears with intermittent buzzer when it is over torqued.
- Audible buzzer helps identify when desired torque target zones are approaching and met.
- Target torque zone is adjustable from 1% to 10% of targeted torque value.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-250	1/4	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	1-3/4	2	17-1/4	2.20
JH5-100F	3/8	10-100	120-1200	13.6-135.6	0.1	1	0.1	1-3/4	2	17-1/4	2.40
JH7-250F	1/2	25-250	300-3000	33.9-338.9	0.1	1	0.1	1-3/4	2	23	3.00

ASME B107.300

MICROMETER INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- Full interface with Proto® Interchangeable Head Attachments.
- Accuracy of +/-4% CW and +/-6% CCW.
- Two sizes available.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-6006C	3/8	16-80	0.5	1-1/4	1-1/4	15	2.50
JH7-6014C	1/2	50-250	1	1-1/2	1-1/2	26	4.70

ASME B107.14M

PRE-SET INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- Full interface with Proto® Interchangeable Head Attachments.
- Accuracy of +/-4% CW and +/-6% CCW.
- Pre-set for fixed and repeatable torque applications.
- Click-type operation for audible click.
- Soft, comfortable grip.



Product #	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-150PS	–	50-150	1-1/2	1-1/2	6	0.70
JH4-50FPS	10-50	–	1-1/2	1-1/2	11	1.30
JH5-150FPS	45-150	–	1-1/2	1-1/2	19-1/4	2.25
JH5-200FPS	45-200	–	1-1/2	1-1/2	23-1/4	2.30

ASME B107.14M

1/4" DRIVE RATCHET TORQUE WRENCH HEAD - H4 TANG

- Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile for easy access.
- Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-14R	1/4	1-1/16	23/32	3-1/4	0.20

Use With: JH4-250, JH4-150PS, JH4-50FPS

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



OPEN END TORQUE WRENCH HEADS - H4 TANG

- Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-12	3/8	–	27/32	7/16	3-1/16	0.08
JH4-14	7/16	–	15/16	7/16	3-1/32	0.09
JH4-16	1/2	–	1-1/16	7/16	3-3/32	0.11
JH4-18	9/16	–	1-7/32	7/16	3-5/32	0.13
JH4-10M	–	10	27/32	7/16	3-1/16	0.08
JH4-11M	–	11	15/16	7/16	3-1/32	0.09
JH4-12M	–	12	1-1/32	7/16	3-1/16	0.10
JH4-13M	–	13	1-1/16	7/16	3-3/32	0.11
JH4-14M	–	14	1-7/32	7/16	3-5/32	0.13

Use With: JH4-250, JH4-150PS, JH4-50FPS

BOX END TORQUE WRENCH HEADS - H4 TANG

- The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- Countersunk on both sides to allow for easy application to the fastener.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-12B	3/8	–	19/32	7/16	3-1/32	0.08
JH4-14B	7/16	–	21/32	7/16	3-1/16	0.08
JH4-16B	1/2	–	25/32	7/16	3-1/8	0.11
JH4-18B	9/16	–	27/32	7/16	3-5/32	0.12
JH4-10MB	–	10	19/32	7/16	3-1/32	0.07
JH4-11MB	–	11	21/32	7/16	3-1/16	0.08
JH4-12MB	–	12	23/32	7/16	3-3/32	0.09
JH4-13MB	–	13	25/32	7/16	3-1/8	0.10
JH4-14MB	–	14	27/32	7/16	3-5/32	0.12

Use With: JH4-250, JH4-150PS, JH4-50FPS

3/8" DRIVE RATCHET TORQUE WRENCH HEAD - H5 TANG

- Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile for easy access.
- Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-38R	3/8	1-7/16	1	4-3/32	0.47

Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

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Made in USA Made in USA with global components



OPEN END TORQUE WRENCH HEADS - H5 TANG



- Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.

Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-14	7/16	–	15/16	5/8	3-21/32	0.14
JH5-16	1/2	–	1-1/16	5/8	3-3/4	0.16
JH5-18	9/16	–	1-7/32	5/8	3-13/16	0.18
JH5-20	5/8	–	1-5/16	5/8	3-27/32	0.21
JH5-22	11/16	–	1-7/16	5/8	3-7/8	0.23
JH5-24	3/4	–	1-19/32	5/8	3-15/16	0.27
JH5-26	13/16	–	1-23/32	5/8	3-31/32	0.31
JH5-28	7/8	–	1-27/32	5/8	4	0.34
JH5-11M	–	11	15/16	5/8	3-21/32	0.14
JH5-12M	–	12	1-1/32	5/8	3-23/32	0.15
JH5-13M	–	13	1-1/16	5/8	3-3/4	0.16
JH5-14M	–	14	1-7/32	5/8	3-13/16	0.18
JH5-15M	–	15	1-1/4	5/8	3-13/16	0.19
JH5-16M	–	16	1-5/16	5/8	3-27/32	0.21
JH5-17M	–	17	1-7/16	5/8	3-7/8	0.23
JH5-18M	–	18	1-1/2	5/8	3-29/32	0.25
JH5-19M	–	19	1-19/32	5/8	3-15/16	0.27
JH5-20M	–	20	1-5/8	5/8	3-15/16	0.28
JH5-21M	–	21	1-23/32	5/8	3-31/32	0.31
JH5-22M	–	22	1-27/32	5/8	4	0.34
JH5-23M	–	23	1-29/32	5/8	4-1/16	0.38

Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

BOX END TORQUE WRENCH HEADS - H5 TANG



- The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- Countersunk on both sides to allow for easy application to the fastener.

TORQUEPLUS FASTENING SYSTEM

Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-14B	7/16	–	21/32	5/8	3-23/32	0.13
JH5-16B	1/2	–	25/32	5/8	3-3/4	0.16
JH5-18B	9/16	–	27/32	5/8	3-25/32	0.17
JH5-20B	5/8	–	15/16	5/8	3-27/32	0.20
JH5-22B	11/16	–	1	5/8	3-7/8	0.22
JH5-24B	3/4	–	1-1/8	5/8	3-15/16	0.25
JH5-26B	13/16	–	1-3/16	5/8	3-31/32	0.28
JH5-28B	7/8	–	1-9/32	5/8	4	0.31
JH5-11MB	–	11	21/32	5/8	3-23/32	0.13
JH5-12MB	–	12	23/32	5/8	3-23/32	0.14
JH5-13MB	–	13	25/32	5/8	3-3/4	0.16
JH5-14MB	–	14	27/32	5/8	3-25/32	0.17
JH5-15MB	–	15	7/8	5/8	3-13/16	0.18
JH5-16MB	–	16	15/16	5/8	3-27/32	0.20
JH5-17MB	–	17	1	5/8	3-7/8	0.22
JH5-18MB	–	18	1-1/16	5/8	3-29/32	0.23
JH5-19MB	–	19	1-1/8	5/8	3-15/16	0.25
JH5-20MB	–	20	1-5/32	5/8	3-31/32	0.27
JH5-21MB	–	21	1-3/16	5/8	3-31/32	0.28
JH5-22MB	–	22	1-9/32	5/8	4	0.31
JH5-23MB	–	23	1-11/32	5/8	4-1/16	0.36

Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

1/2" DRIVE RATCHET TORQUE WRENCH HEAD - H7 TANG

- Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- Alloy steel drive gear for strength and durability.
- Low profile for easy access.
- Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-12R	1/2	1-27/32	1-13/32	5-7/8	1.08

Use With: JH7-250F, JH7-6014C

OPEN END TORQUE WRENCH HEADS - H7 TANG

- Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-18	9/16	–	1-7/32	13/16	5-3/8	0.32
JH7-20	5/8	–	1-5/16	13/16	5-13/32	0.35
JH7-22	11/16	–	1-7/16	13/16	5-7/16	0.38
JH7-24	3/4	–	1-19/32	13/16	5-1/2	0.42
JH7-26	13/16	–	1-23/32	13/16	5-17/32	0.48
JH7-28	7/8	–	1-27/32	13/16	5-9/16	0.51
JH7-30	15/16	–	1-31/32	13/16	5-5/8	0.57
JH7-32	1	–	2-3/32	13/16	5-21/32	0.64
JH7-34	1-1/16	–	2-7/32	13/16	5-23/32	0.71
JH7-36	1-1/8	–	2-11/32	13/16	5-25/32	0.79
JH7-38	1-3/16	–	2-7/16	13/16	5-27/32	0.84
JH7-40	1-1/4	–	2-9/16	13/16	5-27/32	0.93
JH7-42	1-5/16	–	2-21/32	13/16	5-29/32	0.97
JH7-44	1-3/8	–	2-13/16	13/16	5-15/16	1.08
JH7-15M	–	15	1-1/4	13/16	5-3/8	0.33
JH7-16M	–	16	1-5/16	13/16	5-13/32	0.35
JH7-17M	–	17	1-7/16	13/16	5-7/16	0.38
JH7-18M	–	18	1-1/2	13/16	5-15/32	0.40
JH7-19M	–	19	1-19/32	13/16	5-1/2	0.42
JH7-20M	–	20	1-5/8	13/16	5-1/2	0.45
JH7-21M	–	21	1-23/32	13/16	5-17/32	0.48
JH7-22M	–	22	1-27/32	13/16	5-9/16	0.51
JH7-23M	–	23	1-29/32	13/16	5-5/8	0.56
JH7-24M	–	24	1-31/32	13/16	5-5/8	0.57
JH7-25M	–	25	2-3/32	13/16	5-21/32	0.64
JH7-26M	–	26	2-5/32	13/16	5-21/32	0.65
JH7-27M	–	27	2-7/32	13/16	5-23/32	0.71
JH7-28M	–	28	2-7/32	13/16	5-25/32	0.70
JH7-29M	–	29	2-11/32	13/16	5-25/32	0.79
JH7-30M	–	30	2-7/16	13/16	5-27/32	0.84
JH7-32M	–	32	2-9/16	13/16	5-27/32	0.93

Use With: JH7-250F, JH7-6014C

BOX END TORQUE WRENCH HEADS - H7 TANG

- The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- Countersunk on both sides to allow for easy application to the fastener.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-18B	9/16	–	27/32	13/16	5-11/32	0.31
JH7-20B	5/8	–	15/16	13/16	5-13/32	0.34
JH7-22B	11/16	–	1	13/16	5-7/16	0.36
JH7-24B	3/4	–	1-1/8	13/16	5-1/2	0.40
JH7-26B	13/16	–	1-3/16	13/16	5-17/32	0.45
JH7-28B	7/8	–	1-9/32	13/16	5-9/16	0.48
JH7-30B	15/16	–	1-3/8	13/16	5-5/8	0.55
JH7-32B	1	–	1-15/32	13/16	5-11/16	0.60
JH7-34B	1-1/16	–	1-17/32	13/16	5-23/32	0.66
JH7-36B	1-1/8	–	1-5/8	13/16	5-3/4	0.71
JH7-38B	1-3/16	–	1-3/4	13/16	5-13/16	0.80
JH7-40B	1-1/4	–	1-13/16	13/16	5-27/32	0.82
JH7-42B	1-5/16	–	1-29/32	13/16	5-29/32	0.91
JH7-44B	1-3/8	–	1-31/32	13/16	5-15/16	0.98
JH7-15MB	–	15	7/8	13/16	5-3/8	0.32
JH7-16MB	–	16	15/16	13/16	5-13/32	0.34
JH7-17MB	–	17	1	13/16	5-7/16	0.37
JH7-18MB	–	18	1-1/16	13/16	5-15/32	0.39
JH7-19MB	–	19	1-1/8	13/16	5-1/2	0.40
JH7-20MB	–	20	1-5/32	13/16	5-17/32	0.43
JH7-21MB	–	21	1-3/16	13/16	5-17/32	0.44
JH7-22MB	–	22	1-9/32	13/16	5-9/16	0.48
JH7-23MB	–	23	1-11/32	13/16	5-5/8	0.54
JH7-24MB	–	24	1-3/8	13/16	5-5/8	0.55
JH7-25MB	–	25	1-15/32	13/16	5-11/16	0.61
JH7-26MB	–	26	1-1/2	13/16	5-11/16	0.60
JH7-27MB	–	27	1-17/32	13/16	5-23/32	0.66
JH7-28MB	–	28	1-19/32	13/16	5-23/32	0.66
JH7-29MB	–	29	1-5/8	13/16	5-3/4	0.71
JH7-30MB	–	30	1-3/4	13/16	5-13/16	0.81
JH7-32MB	–	32	1-13/16	13/16	5-27/32	0.82

Use With: JH7-250F, JH7-6014C

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS ASME STANDARD

- Calibrated to +/- 3% clockwise direction and +/- 6% and counter clockwise direction at 20% to 100% of full scale.
- Calibration is accomplished by manual loading the torque wrenches.
- Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061C	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063C	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065C	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF

ASME B107.14M



FIXED HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS ASME STANDARD

- Calibrated to +/- 3% in clockwise direction and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- Calibration is accomplished by manual loading the torque wrenches.
- Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6005C	3/8	16-80	0.5	55/64	7/8	15-13/54	3.00	J6006PBF
J6013C	1/2	50-250	1	1-1/8	1-7/32	26-23/32	5.90	J6014PBF
J6015C	1/2	30-150	1	1-1/8	1-7/32	21-1/8	5.00	J6014PBF
J6017B	3/4	120-600	2	1-7/8	1-7/8	41-11/64	15.50	J6007PB

ASME B107.14M

FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD

- Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise direction.
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061CX	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063CX	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065CX	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF

T033K6-4-2193-1 ASME B107.300

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Made in USA Made in USA with global components



FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061CXCERT	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063CXCERT	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065CXCERT	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF
						T033K6-4-2193-1		ASME B107.300

FIXED HEAD MICROMETER TORQUE WRENCH 200-1000 FT-LBS

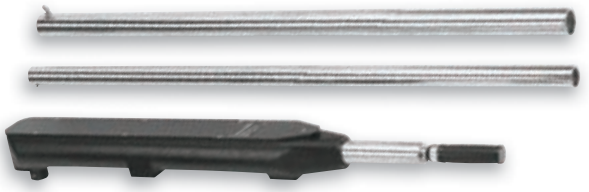
- Includes an extension handle.
- Torque wrench is 40" long. Weight and over all length are for torque wrench with the extension handle.
- Packaged in a metal box for easy storage.
- Calibrated ± 4% of torque reading clockwise and ±6% counter clockwise at 20% to 100% of full scale.
- Certified wrenches to ±2% one direction are available upon request.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)
J6023	1	200-1000	5	1-7/8	2-1/4	69	24.50
			JIS B4650	ISO 6789	T033K6-4-2193-1	AS28431	ASME B107.14M

FIXED HEAD MICROMETER TORQUE WRENCH 400-2000 FT-LBS

- Includes two extension handles, each 43" long.
- Torque wrench is 34-1/4" long. Weight and overall length are for torque wrench assembled with both extension handles.
- Calibrated ±4% of torque reading clockwise and ±6% counter clockwise at 20% to 100% of full scale.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)
J6025	1	400-2000	10	3-1/16	4-1/8	107-1/2	53.10
			JIS B4650	ISO 6789	T033K6-4-2193-1	AS28431	ASME B107.14M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS ASME STANDARD



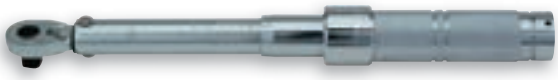
- Calibrated to +/- 3% clockwise direction (for J6060A, calibrated to +/- 4% clockwise direction) and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- Calibration is accomplished by manually loading the torque wrench.
- Manufactured to meet standard industrial torque applications such as general industry, heavy equipment and maintenance.

Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6060A	1/4	10-50	1	1-1/16	7/8	9-1/2	1.20	J6006PBF	J6062RK
J6062C	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064C	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066C	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6068C	1/2	360-1800	10	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6072C	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK

ASME B107.14M

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS ASME STANDARD



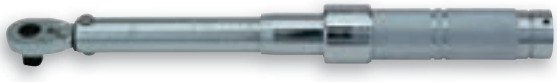
- Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise at 20% to 100% of full scale.
- Calibration is accomplished by manual loading the torque wrenches.
- Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.

Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006C	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6012C	3/8	20-100	0.5	1-7/16	1-1/64	17	3.30	J6006PBF	J6006RK
J6008C	1/2	16-80	0.5	1-7/16	1-7/32	15-1/2	3.00	J6006PBF	J6008RK
J6016C	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014C	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6018AB	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020AB	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK
J6022B	1	140-700	2	2-5/8	2-5/16	46-27/32	20.50	J6007PB	J6022RK

ASME B107.14M

RATCHETING HEAD MICROMETER TORQUE WRENCHES - NM

MEETS ASME STANDARD



- Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- Calibration is accomplished by manual loading the torque wrenches.
- Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.

Product #	Drive Size (in)	Torque Range (Nm)	Increments (Nm)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006MC	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6006NMC	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6016MC	1/2	40-200	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6016NMC	1/2	40-200	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014MC	1/2	70-350	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6014NMC	1/2	70-350	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6020NM	3/4	160-800	4	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK

ASME B107.14M

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD

- Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6062CX	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064CX	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066CX	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6072CX	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK

T033K6-4-2193-1 ASME B107.300

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS T033K6 STANDARD

- Calibrated to +/- 3% in clockwise direction and +/- 6% counter clockwise direction.
- Calibration is accomplished by mechanical loading each wrench in a horizontal position and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006CX	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6008CX	1/2	16-80	0.5	1-7/16	1-7/32	15-1/2	3.00	J6006PBF	J6008RK
J6014CX	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6016CX	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6018CX	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020CX	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK

T033K6-4-2193-1 ASME B107.300

RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6062CXCERT	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064CXCERT	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066CXCERT	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6072CXCERT	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK

T033K6-4-2193-1 ASME B107.300

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS T033K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006CXCERT	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6008CXCERT	1/2	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6008RK
J6016CXCERT	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014CXCERT	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6018CXCERT	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020CXCERT	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK

T033K6-4-2193-1 ASME B107.300

RATCHET HEAD REPAIR KITS - TORQUE WRENCH

- 1/4" to 1" ratchet wheels made from alloy steel for uncompromising strength and durability.
- Field repair your torque wrench ratchet head easily with the corresponding repair kit.



Product #	Drive Size (in)	Use With	Weight (lbs)
J6062RK	1/4	J6062C, J6062CX, J6062CXCERT	0.06
J6064RK	3/8	J6064C, J6064CX, J6064CXCERT	0.07
J6006RK	3/8	J6006C, J6006CX, J6006CXCERT, J6006MC, J6006NMC, J6012C, J6066C, J6066CX, J6066CXCERT	0.18
J6014RK	1/2	J6014C, J6014CX, J6014CXCERT, J6014MC, J6014NMC, J6016C, J6016CX, J6016CXCERT, J6016MC, J6016NMC, J6068C, J6072C, J6072CX, J6072CXCERT	0.37
J6008RK	1/2	J6008C, J6008CX, J6008CXCERT	0.19
J6018RK	3/4	J6018AB, J6018CX, J6018CXCERT, J6020AB, J6020CX, J6020CXCERT, J6020NM	1.36
J6022RK	1	J6022B	1.51



TORQUE SCREWDRIVERS - IN-OZ

- Calibrated to ± 4% of torque reading, clockwise at 20% to 100% of full scale.
- 1/4" Square to 1/4" Hex Adapter included for use with insert bits.
- Industrial heavy-duty design.
- Aircraft grade aluminum.
- Aircraft quality spring.
- Positive self locking lock ring.
- Floating three point reaction for repeatability.
- Laser marked easy-to-read scale.
- N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with J6104ACERT.



Product #	Drive Size (in)	Torque Range (in-oz)	Increments (in-oz)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6104A	1/4	20-100	2	1-1/4	1-1/4	6-1/2	1.00
J6104ACERT	1/4	20-100	2	1-1/4	1-1/4	6-1/2	1.00

ASME B107.14M

TORQUE SCREWDRIVERS - IN-LBS

- Calibrated to ± 4% of torque reading, clockwise at 20% to 100% of full scale.
- 1/4" Square to 1/4" Hex Adapter included for use with insert bits.
- Industrial heavy-duty design.
- Aircraft grade aluminum.
- Aircraft quality spring.
- Positive self locking lock ring.
- Floating three point reaction for repeatability.
- Laser marked easy-to-read scale.
- N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with J6106ACERT.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6106A	1/4	7-36	1	1-1/4	1-1/4	6-1/2	1.00
J6106ACERT	1/4	7-36	1	1-1/4	1-1/4	6-1/2	1.00

ASME B107.14M

DIAL TORQUE WRENCHES - IN-LBS/CM-KG

- 6-30 in-lbs. thru 120-600 in-lbs. / 7-35 cm-kg thru 140-700 cm-kg.
- Accurate to ± 4% of torque reading in both directions at 20% to 100% of full scale.
- Industrial all steel or aluminum torque transfer components.
- High alloy torsion drive design — accuracy not effected by hand position.
- Dual scale (English/Metric) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- Memory needles are standard on all wrenches except electric light models.
- Easy-to-read, high contrast scale.
- Laser marked serial number for traceability.
- N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.



Product #	Drive Size (in)	Torque Range (metric)	Torque Range (in-lbs)	Increments (in-lbs)	Overall Length (in)	Weight (lbs)
J6168F	1/4	7-35 cm-kg	6-30	0.5	10	1.00
J6169F	1/4	18-90 cm-kg	15-75	1	10	1.40
J6177F	3/8	56-280 cm-kg	50-250	5	10	1.30
J6181F	3/8	140-700 cm-kg	120-600	10	10	2.20

JIS B4650 ISO 6789 ASME B107.14M

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

DIAL TORQUE WRENCHES - FT-LBS/MKG

- Accurate to ± 4% of torque reading in both directions at 20% to 100% of full scale.
- Industrial all steel or aluminum torque transfer components.
- High alloy torsion drive design — accuracy not effected by hand position.
- Dual scale (English/Metric) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- Memory needles are standard on all wrenches except electric light models.
- Easy-to-read, high contrast scale.
- Laser marked serial number for traceability.
- N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.
- J6133F and J6141F include one removeable extension handle for easy force application.
- J6149F includes five removeable extensions (requires two operators) and electric LED and buzzer.



J6113F



J6121F



J6133F



J6149F

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (metric)	Increments (ft-lbs)	Overall Length (in)	Weight (lbs)
J6113F	3/8	10-50	1.4-7 mkg	1	10-1/4	2.20
J6121F	1/2	35-175	5-24 mkg	5	21-1/2	4.00
J6125F	1/2	50-250	7-35 mkg	5	21-1/2	3.80
J6134F	3/4	70-350	–	10	27-7/8	7.10
J6133F	3/4	120-600	16-80 mkg	10	46-1/2	9.90
J6141F	1	200-1000	28-140 mkg	20	74-1/4	27.00
J6149F	1	400-2000	56-280 mkg	40	110-3/4	48.00
				JIS B4650	ISO 6789	ASME B107.14M

DIAL TORQUE WRENCHES - NM/IN-LBS, FT-LBS

- 2-10 Nm thru 50-250 Nm / 18-90 in-lbs. thru 35-175 ft-lbs
- Accurate to ± 4% of torque reading in both directions at 20% to 100% of full scale.
- Industrial all steel or aluminum torque transfer components.
- High alloy torsion drive design — accuracy not effected by hand position.
- Dual scale (Metric/English) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- Memory needles are standard on all wrenches except electric light models.
- Easy-to-read, high contrast scale.
- Laser marked serial number for traceability.
- N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (Nm)	Overall Length (in)	Weight (lbs)
J6169NMF	1/4	–	18-90	2-10	0.2	10	1.30
J6177NMF	3/8	–	50-250	6-30	0.5	10	1.50
J6113NMF	3/8	10-50	–	14-70	2	14-7/8	2.10
J6121NMF	1/2	35-175	–	50-250	5	21-1/2	4.00
							ASME B107.14M

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components



DIAL ELECTRONIC TORQUE WRENCHES - IN-LBS, FT-LBS

- Extended operation range in ft-lbs., in-lbs. and Nm units.
- Precision Accuracy: + / - 1% in BOTH directions.
- Accuracy valid from 10% to 100% of full scale.
- Large easy to read digits.
- Patented rotary bezel. LCD and key pad rotate both ways, up to 359 degrees for easy viewing.
- Torque target zone adjustable 1% to 10% indicates when the desired torque limit is approaching.
  - Yellow light indicates the low end of the zone
  - Green light and buzzer sounds when the target is reached
  - Red Light with intermittent buzzer indicates over-torqued
- One button target torque setting.
- Ergonomically designed for user comfort.
- Operates on standard 9 volt battery.
- Torsion drive strain gauge technology improves accuracy.
- Users can pull on the handle anywhere and still maintain accuracy.
- Built on durable chrome body (not painted) with nylon-6 rotary bezel.
- Rotary dial is shrouded with metal walls to protect display.
- Peak, hold and track modes standard.
- Fast sampling rate helps maintain high accuracy during torque applications.
- Easy to use by production line or quality control inspector.



J6345



J6345B

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6339	1/4	0.63-6.25	7.5-75	0.84-8.47	0.01	0.01	0.01	3	2-1/2	11	1.40
J6342	1/4	0.83-8.33	10-100	1.11-11.13	0.01	0.1	0.01	3	2-1/2	11	1.40
J6345	3/8	2.1-21	25-250	2.8-28.2	0.01	0.1	0.01	3	2-1/2	11	1.40
J6345A	3/8	5-50	60-600	6.78-67.8	0.01	0.1	0.1	3	2-1/2	11	1.40
J6345B	1/2	10-100	120-1200	13.3-133.5	0.01	1	1	3	4	22	2.80
J6346	1/2	25-250	300-3000	33.8-338	0.1	1	0.1	3	4	22	2.80
J6347	3/4	60-600	720-7200	81-813	0.1	1	0.1	3	4	22	2.80
J6349	1	100-1000	–	140-1400	–	–	–	4	5	77	20.00
J6351	1	200-2000	–	271-2700	–	–	–	4	5	125	46.00

ASME B107.300



J6351

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

ELECTRONIC FIXED RATCHETING HEAD TORQUE WRENCHES

- Accuracy of +/- 2% of indicated value in both clockwise and counter clockwise directions.
- Broad accuracy range extends from 10% of Full Scale to 100% of Full Scale to help reduce the number of torque wrenches required.
- Ninety-nine "on-board" memory storage locations help improve efficiency when taking multiple torque readings.
- Three units of measure are available (Ft-lb, In-lb, and Nm).
- Three operating modes: Track Mode, Peak Hold and Auto Clear.
- Fast sampling rate helps maintain high accuracy during torque applications.
- Torque wrench head rotates to allow for easy viewing of LCD display.
- Easy to read LCD Display with large digits.
- 3-way Red/Green/Yellow lights.
- Yellow light appears at the low end of the zone.
- Green light appears and buzzer sounds when the target is reached.
- Red light appears with intermittent buzzer when it is over torqued.
- An audible buzzer helps identify when desired torque target zones are approaching and met.
- Target torque zone is adjustable from 1% to 10% of targeted torque value.
- Fixed ratcheting head features a robust 24-tooth design with 15° arc swing, alloy steel drive gear for strength and durability, low profile for easy access and a reversing lever design for quick, one-hand operation.
- Ergonomically designed, comfortable cushion grip.



Product #	Size (in)	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
JH4-250R	17/40	1/4	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	1-3/4	2	20-1/2	2.50	4 AA included
JH5-100FR	14/25	3/8	10-100	20-1200	13.6-135.6	0.1	1	0.1	1-3/4	2	20-1/2	2.70	4 AA included
JH7-250FR	61/83	1/2	25-250	300-3000	33.9-338.9	0.1	1	0.1	1-3/4	2	27-3/4	3.30	4 AA included

ASME B107.300

ELECTRONIC TORQUE WRENCH SOFTWARE AND USB INTERFACE

- Proto® Software allows for full two-way communication between the torque wrench and a laptop or desktop computer.
- Add-on the software and plug in the cable for full computer interface.
- All data captured by the torque wrench can be downloaded directly into a spreadsheet: either all at once from on-board memory or one reading at a time.
- Control all settings on the torque wrench from the wrench or computer.
- Software includes CD and connection cable which interfaces with computer's RS-232 connection.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH6000SW	5	1-3/4	5	0.60

Use With: JH4-250, JH4-250R, JH5-100F, JH5-100FR, JH7-250F, JH7-250FR, J6470-C, J6472-C, J6474-C, J6476-C, J6478-C

DIGITAL ANGLE ADAPTER

- Digital angle value readout.
- Ultra simple use: autotest and reset upon powering on.
- Adapter magnetized so it attaches to all types of ratchets.
- +/-2° accuracy (rotating 90° at speed of 30° / sec).
- +/-2% clockwise and counter clockwise for torque accuracy.
- LEDs for easy viewing of results and audible beep when desired level is reached.
- Buzzer and LED indicator for the 9 pre-settable target torques.
- 50 data memory for recall and joint torque auditing.
- Auto Sleep after about 2 minutes idle.
- Both AAA and rechargeable batteries are compatible.



Product #	Overall Length (in)	Weight (lbs)	Battery Type	Storage Case
J6300TWA	2-9/32	0.50	2 AAA included	J6300PB

ASME B107.300



DIGITAL TORQUE AND ANGLE ADAPTERS

- Torque and angle tightening with one tool: productivity improvement, digital display minimizes reading errors, and delivers high precision.
- +/-2° (rotating 90° at speed of 30° / sec) for angle accuracy.
- +/-3% clockwise or +/-4% counter clockwise for torque accuracy.
- LEDs for easy viewing of results and audible beep when desired level is reached.
- Buzzer and LED indicator for the 9 pre-settable target torques or angles.
- Five Units Selectable (N.m, ft-lb, in.lb, kg.cm, degree).
- 50 data memory for recall and joint torque-angle auditing.
- Auto Sleep after about 2 minutes idle.
- Both AAA and rechargeable batteries are compatible.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Overall Length (in)	Weight (lbs)	Battery Type	Storage Case
J6280TA100	3/8	5-99.5	60-1195	6.8-135	3-23/64	0.70	2 AAA included	J6310PB
J6280TA150	1/2	7.4-147.5	88-1770	10-200	3-23/64	0.70	2 AAA included	J6415PB
J6280TA250	1/2	12.5-250.7	150-3009	17-340	3-23/64	0.70	2 AAA included	J6425PB

ASME B107.300

3/8" DRIVE 9 PIECE TORQUE ADAPTER SET - 12 POINT

- Designed for easy torque calibrations.
- Adapters measure 2" from the center of the square drive to the center of the adapter opening.
- Special heat-treated alloy steel helps to increase strength and durability.
- Box end wall thickness is specially engineered to provide strength while still allowing ample room for access to reach difficult fasteners.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.



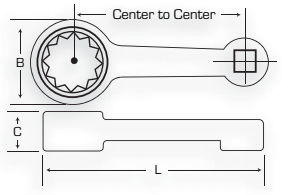
Product #	Drive Size (in)	Weight (lbs)
J5100	3/8	1.32

AS954E S3.8.1

3/8" DRIVE TORQUE ADAPTERS - 12 POINT

- Designed for easy torque calibrations.
- Adapters measure 2" from the center of the square drive to the center of the adapter opening.
- Special heat-treated alloy steel helps to increase strength and durability.
- Box end wall thickness is specially engineered to provide strength while still allowing ample room for access to reach difficult fasteners.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.





Product #	Size (in)	Drive Size (in)	Head Width (in) (B)	Head Depth (in) (C)	Overall Length (in) (L)	Weight (lbs)
J5112	3/8	3/8	9/16	17/64	2-11/16	0.08
J5114	7/16	3/8	21/32	19/64	2-47/64	0.10
J5116	1/2	3/8	47/64	21/64	2-25/32	0.10
J5118	9/16	3/8	13/16	23/64	2-13/16	0.12
J5120	5/8	3/8	29/32	25/64	2-55/64	0.12
J5122	11/16	3/8	1	27/64	2-29/32	0.12
J5124	3/4	3/8	1-5/64	29/64	2-61/64	0.12
J5126	13/16	3/8	1-11/64	31/64	2-63/64	0.14
J5128	7/8	3/8	1-17/64	33/64	3-1/32	0.16

AS954E S3.8.1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

ELECTRONIC TORQUE TESTERS

- Use to test all types of torque wrenches in all types of settings where full scale calibration is needed or where a quick Pass/Fail check is required.
- Accuracy of +/- 1% of indicated value in both clockwise and counter clockwise directions.
- Broad accuracy range extends from 10% to 100% of full scale.
- Three units of measure are available ft-lb, in-lb, and Nm.
- Three operating modes: Track Mode, Peak Hold and First Peak (for use with Click-style Torque wrenches).
- Fast sampling rate helps maintain high accuracy during torque applications.
- Each tester is built with a male square drive and also comes supplied with a female-to-female square drive adapter.
- Powered by a standard 9V battery, providing up to 50 hours run time.
- N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with each tester.
- Optional all-steel stand (J6470S) provides a strong support with minimal footprint.



ELECTRONIC USB TORQUE TESTERS

- Powers the tester via USB cable.
- Recharges Internal Nimh battery.
- Allows communication with computer for downloading torque readings via communication port on computer. Use with JH6000SW.
- An extensive two-way communication command set (ASCII text commands) that can control the tester remotely, from a computer, using any third party communication program (including Hyperterminal).
  - Set target torque remotely.
  - Set units remotely.
  - Set target tolerance remotely.
  - Set mode (track, peak, first peak) remotely.
  - Query torque value remotely.
  - Clear the Display remotely.
  - Get (call) torque value remotely by sending a Carriage Return to tester.
- 100 torque reading memory (torque value saved to memory when save key is pressed on keypad).

Product #	USB Version #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
J6470	J6470-C	1/4	0.42-4.17	5-50	0.56-5.65	0.01	0.01	0.01	6	4-1/2	6	6.00	9 volt included
J6472	J6472-C	3/8	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	6	4-1/2	6	6.00	9 volt included
J6474	J6474-C	3/8	5-50	60-600	6.78-67.8	0.01	0.1	0.1	6	4-1/2	6	6.00	9 volt included
J6476	J6476-C	1/2	25-250	300-3000	33.8-338	0.1	1	0.1	6	4-1/2	6	6.00	9 volt included
J6478	J6478-C	3/4	60-600	720-7200	81.3-813	0.1	1	0.1	6	4-1/2	6	6.00	9 volt included

ASME B107.300

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components



TORQUE TESTER FLOOR STAND

- Floor stand for Proto® Torque Testing systems makes installation quick and easy.
- All steel construction.
- Mounting holes predrilled to match Proto® test systems.
- Floor mount holes are pre-drilled for securing to the floor.
- Small footprint for space saving economy.
- Durable powder coated paint.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6470S	7	32	4	20.00

Use With: J6470, J6472, J6474, J6476, J6478

ELECTRONIC TORQUE METER

- The Proto® Electronic Torque Meter is a true all-in-one torque meter.
- The Proto® Electronic Torque Meter provides the maximum flexibility in lab and production applications. This system meets a broad range of needs from demanding users.
- It can help eliminate the need for multiple electronic torque wrenches and testers. The system grows as the demands of the user grow.
- Ideal for use in production (application of torque), quality control (verification of torque) and for the calibration and or verification of torque wrench accuracy (calibration labs and kit rooms).
- Easy to learn and use. Anyone can be up and running in seconds. Unit designed with the end user in mind.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
J6360	3-1/4	2	7-1/4	2.34	9 volt included

ASME B107.300

1.0% IN-LINE EXTENSION TRANSDUCERS

- In-line extension transducers, connect between a wrench and a socket to measure the torque that is applied to a fastener.
- This versatile type of transducer converts a hand held torque meter (J6360) into a highly accurate digital torque wrench.
- In-line transducers can also be used as torque wrench testers when mounted to a fixture.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Use With	Weight (lbs)
J6361	3/8	–	25-250	1-1/4	3-1/4	1-1/4	J6360	0.52
J6362	3/8	5-50	–	1-1/4	3-1/4	1-1/4	J6360	0.55
J6363	1/2	15-150	–	1-7/16	3-5/8	1-7/16	J6360	0.79
J6364	1/2	25-250	–	1-7/16	3-5/8	1-7/16	J6360	0.89

ASME B107.300



0.5% BENCH MOUNT TRANSDUCERS

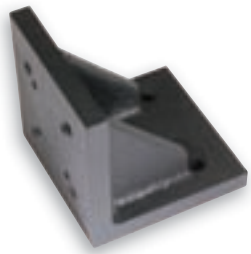


- "Plug and play" torque transducers. Automatic set-up of transducers means user friendly operation and less down time.
- Versatile all-in-one unit can be used as both an accurate torque wrench and as an accurate torque tool tester. No need to own separate torque testers and electronic torque wrenches.
- First peak of torque mode allows hand calibration of click type torque wrenches.
- Memory for traceability.

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Use With	Weight (lbs)
J6365	1/4	–	10-100	2-3/4	2-1/4	2-3/4	J6360	0.90
J6366	3/8	–	25-250	2-3/4	2-3/4	2-3/4	J6360	0.83
J6367	3/8	5-50	–	2-3/4	2-3/4	2-3/4	J6360	1.13
J6368	1/2	25-250	–	4	3-3/4	4	J6360	3.14
J6369	3/4	50-500	–	4	4-5/8	4	J6360	3.16
J6371	1/4	–	5-50	2-3/4	2-1/4	2-3/4	J6360	0.60
J6372	1/2	15-150	–	4	3-3/4	4	J6360	0.60
J6373	3/4	60-600	–	4	4-5/8	4	J6360	0.90
J6374	1	100-1000	–	6	5	8-1/2	J6360	0.90
J6375	1	200-2000	–	6	5	8-1/2	J6360	0.90

ASME B107.300

BRACKET FOR BENCH MOUNT TRANSDUCERS



- Heavy-duty mounting bracket for bench mount transducers.
- Use up to 600 ft-lbs.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6370	5	5	5	5.75

Use With: J6365, J6366, J6367, J6368,ASME B107.300 J6369, J6371, J6372, J6373, J6374, J6375

TORQUE MULTIPLIER DISPLAY WRENCHES



- When placed between the torque multiplier and the fastener, the Proto® Torque Multiplier Display Wrench will display the actual torque applied to the fastener.
- Precision Accuracy: + / - 1% in BOTH directions.

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6349A	1	100-1000	133-1335	1	1	4	5	44	15.00
J6352	1	200-2000	267-2670	1	1	4	5	24	15.00



TORQUE MULTIPLIERS 750 FT-LBS

- Maximum rated input: 227 ft-lbs. (308 Nm).
- Maximum rated output: 750 ft-lbs. (1017 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: tubular reaction bar.
- Gear system: single stage planetary.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)
J6202A	1/2	3/4 Sq. Male	1:3.33	3-3/32	2-13/16	5-1/4	8-19/32	4.00
J6202ACERT	1/2	3/4 Sq. Male	1:3.33	3-3/32	2-13/16	5-1/4	8-19/32	4.00

TORQUE MULTIPLIERS 1200 FT-LBS

- Maximum rated input: 200 ft-lbs. (271 Nm).
- Maximum rated output: 1200 ft-lbs. (1626 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: tubular reaction bar.
- Gear system: single stage planetary.
- Angle of turn protractor: 5° increments.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6212	1/2	3/4 Sq. Male	1:6	4	3-15/16	14-1/8	19-19/32	9.10	J6212RD
J6212CERT	1/2	3/4 Sq. Male	1:6	4	3-15/16	14-1/8	19-19/32	9.10	J6212RD

TORQUE MULTIPLIERS 2200 FT-LBS

- Maximum rated input: 162 ft-lbs. (220 Nm).
- Maximum rated output: 2200 ft-lbs. (2983 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: tubular reaction bar.
- Gear system: two stage planetary.
- Angle of turn protractor: 5° increments.
- Anti-backlash device: self-contained, 3 position.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6222	1/2	1 Sq. Male	1:13.6	5-3/4	4-1/16	14-1/8	19-19/32	15.20	J6222RD
J6222CERT	1/2	1 Sq. Male	1:13.6	5-3/4	4-1/16	14-1/8	19-19/32	15.20	J6222RD

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

TORQUE MULTIPLIERS 3200 FT-LBS

- Maximum rated input: 173 ft-lbs. (235 Nm).
- Maximum rated output: 3200 ft-lbs. (4338 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: tubular reaction bar.
- Gear system: two stage planetary.
- Angle of turn protractor: 5° increments.
- Anti-backlash device: self-contained, 3 position.



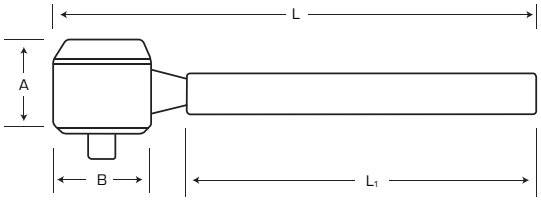
Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6232	1/2	1 Sq. Male	1:18.5	6-1/2	4-1/16	14-1/8	19-19/32	18.30	J6232RD
J6232CERT	1/2	1 Sq. Male	1:18.5	6-1/2	4-1/16	14-1/8	19-19/32	18.30	J6232RD

TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 2200 FT-LBS

- Maximum rated input: 162 ft-lbs. (220 Nm).
- Maximum rated output: 2200 ft-lbs. (2983 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: reaction plate with slave drive
- Gear system: two stage planetary.
- Anti-backlash device: self-contained, 3 position.
- Can be used for Mack truck leaf springs.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6234	1/2	1 Sq. Male	1:13.6	5-1/2	4-7/8	14	17.20	J6222RD





TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 5000 FT-LBS

- Maximum rated input: 189 ft-lbs. (256 Nm).
- Maximum rated output: 5000 ft-lbs. (6778 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: reaction plate with slave drive.
- Gear system: three stage planetary.
- Anti-backlash device: self-contained, 3 position.



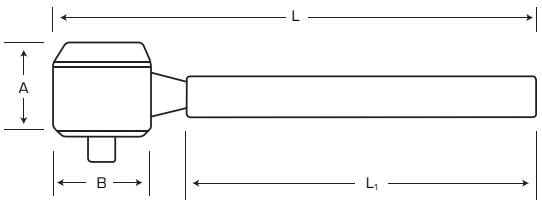
Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6242	1/2	1-1/2 Sq. Male	1:26.5	8-3/4	5-5/8	14-29/32	34.00	J6242RD

TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 8000 FT-LBS

- Maximum rated input: 154 ft-lbs. (209 Nm).
- Maximum rated output: 8000 ft-lbs. (10846 Nm).
- Standard torque accuracy is +/- 5% of reading.
- Reaction system: reaction plate with slave drive.
- Gear system: three stage planetary.
- Anti-backlash device: self-contained, 3 position.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6252	1/2	1-1/2 Sq. Male	1:52	10-3/4	5-13/16	15-3/16	50.30	J6252RD



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



TORQUE MULTIPLIER SQUARE DRIVE REPLACEMENT KITS

- Proto® Torque Multipliers provide overload protection with replaceable output square drives that are designed to twist off at 3%-10% over maximum output capacity.



Product #	Drive Size (in)	Use With	Weight (lbs)
J6212RD	3/4	J6212, J6212CERT	0.20
J6222RD	1	J6222, J6222CERT, J6234	0.53
J6232RD	1	J6232, J6232CERT	0.56
J6242RD	1-1/2	J6242	1.55
J6252RD	1-1/2	J6252	1.72

ACCESSORY AIR DRIVE 200 FT-LBS

- Powered input to a torque multiplier can reduce operator fatigue, increase productivity.
- Designed to drive Proto® Torque Multipliers (except J6202A).
- Maximum torque output: 200 ft-lbs. (271 Nm).
- Maximum running air pressure: 60 PSI.
- Output free speed: 70 RPM.
- Output rotation: clockwise and counterclockwise.



Product #	Drive Size (in)	Output Drive (in)	Diameter Maximum (in)	Overall Length (in)	Weight (lbs)
J6201	1/4	1/2 Sq. Male	3-1/8	16-1/4	11.00

AIR DRIVE CONVERTER 200 FT-LBS

- Powered input to a torque multiplier can reduce operator fatigue, increase productivity.
- Designed to drive Proto® Torque Multipliers (except J6202A) when used with an air or electric drive tool.
- Not designed for use with Impact Tools.
- Maximum torque output: 200 ft-lbs. (271 Nm).
- Maximum torque input: 38 ft-lbs. (52 Nm).



Product #	Drive Size (in)	Input Drive (in)	Output Drive (in)	Torque Ratio	Diameter (in)	Overall Length (in)	Weight (lbs)
J6203	1/2	1/2	1/2 Sq. Male	1:5.2	3-1/8	4	5.50

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Made in USA Made in USA with global components



WE'RE OUT TO MAKE WORK, LESS WORK. ONE TURN OF THE WRENCH AT A TIME.

That begins with a comprehensive product line that puts the right wrench for the task in your hand.

Ours includes standard, extra long, flex-head, angle-head, box, deep offset box, ratcheting box, obstruction, adjustable, flare nut, striking, slugging, spanner and … you get the point. Most of these incorporate time (and knuckle) saving features like Anti-Slip Design™ technology on open ends and TorquePlus™ drive configurations on box ends. And all wrenches are forged, polished and finished to last.

WRENCHES



Full Polish Anti-Slip Combination Wrenches

PROTO

ENGINEERED FOR INDUSTRY

Proto® offers a wide range of sizes for many types of ends, with innovations like ratcheting splines and flex-head sockets. We also offer a wide range of angled and bent offsets to meet specific job applications.



FINISHES AVAILABLE



Polish Chrome | Satin Chrome | Black Oxide | Black Chrome

DIFFERENT KINDS OF OFFSETS

- **Angled Offsets:** The end lies flat with the handle, and the end turns either left or right.
- **Bent Offsets:** The end is centered with the handle, but bent.The end does not lie flat.
- **Deep Offsets:** Two bends offset the handle away from the end for better clearance.

DIFFERENT KINDS OF ENDS



WRENCH GUIDE



COMBINATION WRENCHES
Same sizes of two different types.



DOUBLE BOX AND OPEN END WRENCHES
Two different sizes of the same type.



RATCHETING WRENCHES
Reversables have an offset. Non-Reversables are flat.



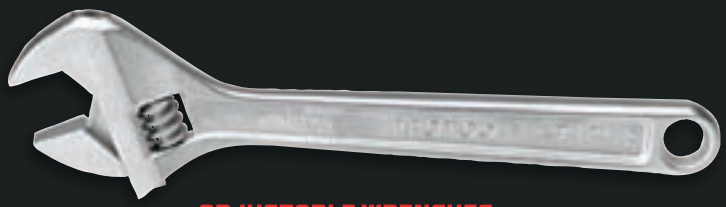
CROWFOOT WRENCHES
With locking extensions to reach around obstacles.



PIPE WRENCHES
Available in Aluminum and Cast Iron.



STRIKING WRENCHES
Hit them with a hammer. Available with flat or offset ends.



ADJUSTABLE WRENCHES
Featuring Clik-Stop.® The wrench clicks at different sizings so you can feel your adjustments without looking.



INSULATED WRENCHES
Insulated to 1000V AC or 1500V DC.



X-LARGE WRENCHES
For work on oversized equipment.

FULL POLISH COMBINATION REVERSIBLE RATCHETING WRENCHES - SPLINE

Delayed Availability



- Anti-Slip Design (ASD) open end.
- Smooth transition from head to shank.
- Industrial strength I-Beam shank provides broad bearing surface helping improve comfort and helping reduce hand fatigue.
- Protected switch lever helps prevent accidental reversal.
- Compact ratcheting head improves access.
- 72-teeth provide 5° ratcheting.

Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSCV08A	1/4	5/16	35/64	5/32	35/64	1/4	4-59/64	0.05
JSCV09A	9/32	5/16	39/64	11/64	43/64	1/4	5-5/32	0.07
JSCV10A	5/16	25/64	11/16	11/64	43/64	1/4	5-27/64	0.08
JSCV11A	11/32	13/32	25/32	3/16	3/4	17/64	5-43/64	0.10
JSCV12A	3/8	29/64	27/32	13/64	25/32	9/32	5-29/32	0.12
JSCV14A	7/16	1/2	15/16	7/32	55/64	19/64	6-29/32	0.16
JSCV16A	1/2	39/64	1-5/64	1/4	1	11/32	7-29/32	0.24
JSCV18A	9/16	11/16	1-13/64	9/32	1-5/64	23/64	8-49/64	0.30
JSCV20A	5/8	3/4	1-21/64	19/64	1-3/16	25/64	9-33/64	0.40
JSCV22A	11/16	53/64	1-7/16	5/16	1-1/4	13/32	10-17/64	0.49
JSCV24A	3/4	29/32	1-37/64	11/32	1-21/64	7/16	11-3/64	0.60
JSCV26A	13/16	31/32	1-23/32	23/64	1-37/64	33/64	11-13/16	0.80
JSCV28A	7/8	1-3/64	1-7/8	3/8	1-37/64	33/64	12-35/64	0.86
JSCV30A	15/16	1-1/8	1-31/32	25/64	1-53/64	37/64	13-5/16	1.09
JSCV32A	1	1-13/64	2-3/32	27/64	1-53/64	37/64	14-1/16	1.17
JSCV34A	1-1/16	1-9/32	2-7/32	15/32	2-3/64	39/64	14-15/16	1.44
JSCV36A	1-1/8	1-23/64	2-11/32	1/2	2-9/32	43/64	15-7/8	1.85
JSCV40A	1-1/4	1-1/2	2-19/32	35/64	2-15/32	11/16	16-59/64	2.29

THE STORY BEHIND THE OFFSET OPEN END



A standard combination wrench gets stuck.



The Proto® Wrench with the Offset Open End still has 10 - 12° of turning angle.

Reaching a fastener behind an obstruction is frustrating, especially when you can reach it with the wrench, but you can't turn the wrench.

Rethinking the standard combination wrench allowed Proto® engineers to discover a better way reach and turn something in a difficult place.

By turning the open end to an angle, the patented Offset Open End has an improved angle of attack onto the fastener. It can squeeze an extra 10 to 12 degrees of turning angle when obstructions are nearby.

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FULL POLISH METRIC COMBINATION REVERSIBLE RATCHETING WRENCHES - SPLINE

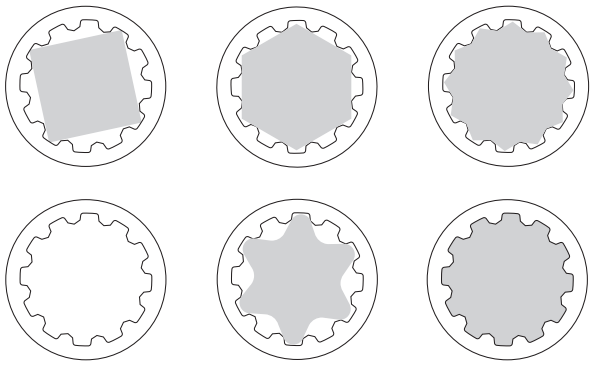
METRIC

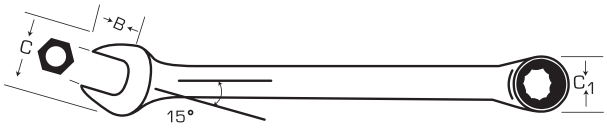
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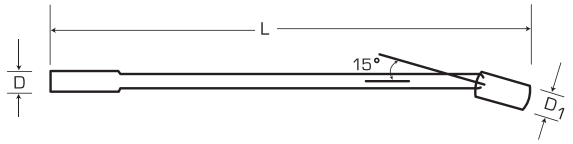
- Anti-Slip Design (ASD) open end.
- Smooth transition from head to shank.
- Industrial strength I-Beam shank provides broad bearing surface helping improve comfort and helping reduce hand fatigue.
- Protected switch lever helps prevent accidental reversal.
- Compact ratcheting head improves access.
- 72-teeth provide 5° ratcheting.



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSCVM06A	6	5/16	35/64	5/32	35/64	1/4	4-59/64	0.05
JSCVM07A	7	5/16	39/64	11/64	43/64	1/4	5-5/32	0.07
JSCVM08A	8	25/64	11/16	11/64	43/64	1/4	5-27/64	0.08
JSCVM09A	9	13/32	25/32	3/16	3/4	17/64	5-43/64	0.10
JSCVM10A	10	29/64	27/32	13/64	25/32	9/32	5-29/32	0.12
JSCVM11A	11	1/2	15/16	7/32	55/64	19/64	6-29/32	0.16
JSCVM12A	12	35/64	1-1/64	15/64	29/32	21/64	7-23/32	0.20
JSCVM13A	13	39/64	1-5/64	1/4	1	11/32	7-29/32	0.24
JSCVM14A	14	11/16	1-13/64	9/32	1-5/64	23/64	8-49/64	0.30
JSCVM15A	15	23/32	1-17/64	9/32	1-7/64	3/8	9-9/64	0.34
JSCVM16A	16	3/4	1-21/64	19/64	1-3/16	25/64	9-33/64	0.40
JSCVM17A	17	53/64	1-7/16	5/16	1-1/4	13/32	10-17/64	0.49
JSCVM18A	18	55/64	1-33/64	21/64	1-9/32	27/64	10-11/16	0.55
JSCVM19A	19	29/32	1-37/64	11/32	1-21/64	7/16	11-3/64	0.60
JSCVM21A	21	31/32	1-23/32	23/64	1-37/64	33/64	11-13/16	0.80
JSCVM22A	22	1-3/64	1-7/8	3/8	1-37/64	33/64	12-35/64	0.86
JSCVM24A	24	1-1/8	1-31/32	25/64	1-53/64	37/64	13-5/16	1.09
JSCVM27A	27	1-9/32	2-7/32	15/32	2-3/64	39/64	14-15/16	1.44
JSCVM30A	30	1-23/64	2-11/32	1/2	2-9/32	43/64	15-7/8	1.85
JSCVM32A	32	1-1/2	2-19/32	35/64	2-15/32	11/16	16-59/64	2.29







Versatile usages on 4pt, 6pt, 12pt, spline, Torx®, and slightly rounded fasteners.

20 PIECE REVERSIBLE COMBINATION RATCHETING WRENCH SET - SPLINE

Product #: JSCV-20S

Contents	Size (in)	Point Count	Overall Length (in)
JSCV07	7/32	Spline	5
JSCV08	1/4	Spline	5
JSCV09	9/32	Spline	5-1/2
JSCV10	5/16	Spline	5-1/2
JSCV11	11/32	Spline	5-15/16
JSCV12	3/8	Spline	6-1/4
JSCV14	7/16	Spline	6-1/2
JSCV16	1/2	Spline	7
JSCV18	9/16	Spline	7-1/2
JSCV20	5/8	Spline	8-3/16
JSCV22	11/16	Spline	8-7/8
JSCV24	3/4	Spline	9-3/4
JSCV26	13/16	Spline	1-17/16
JSCV28	7/8	Spline	1-17/16
JSCV30	15/16	Spline	12-3/4
JSCV32	1	Spline	12-3/4
JSCV34	1-1/16	Spline	14-1/8
JSCV36	1-1/8	Spline	15-7/8
JSCV40	1-1/4	Spline	16-3/4
JSCV48	1-1/2	Spline	19-5/16
JSCV20SP	Tool Roll		

- Black chrome finish is corrosion resistant and visually distinctive.
- Fractional spline wrenches can be used on fractional 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Anti-Slip Design (ASD) open end.
- Weight (lbs): 16.20



22 PIECE METRIC REVERSIBLE COMBINATION RATCHETING WRENCH SET - SPLINE

METRIC

Product #: JSCVM-22S

Contents	Size (mm)	Point Count	Overall Length (in)
JSCVM06	6	Spline	5
JSCVM07	7	Spline	5-1/2
JSCVM08	8	Spline	5-1/2
JSCVM09	9	Spline	5-15/16
JSCVM10	10	Spline	6-1/4
JSCVM11	11	Spline	6-9/16
JSCVM12	12	Spline	6-3/4
JSCVM13	13	Spline	7
JSCVM14	14	Spline	7-1/2
JSCVM15	15	Spline	7-7/8
JSCVM16	16	Spline	8-3/16
JSCVM17	17	Spline	8-7/8
JSCVM18	18	Spline	9-5/16
JSCVM19	19	Spline	9-3/4
JSCVM21	21	Spline	11-7/16
JSCVM22	22	Spline	11-7/16
JSCVM24	24	Spline	12-3/4
JSCVM27	27	Spline	14-1/8
JSCVM30	30	Spline	15-7/8
JSCVM32	32	Spline	16-3/4
JSCVM34	34	Spline	18-1/8
JSCVM36	36	Spline	19-5/16
JSCVM22SP	Tool Roll		

- Metric Spline wrenches can be used on metric 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with speciality spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.
- Weight (lbs): 17.10



13 PIECE METRIC REVERSIBLE COMBINATION RATCHETING WRENCH SET - SPLINE

METRIC

Product #: JSCVM-13S

- Metric Spline wrenches can be used on metric 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with speciality spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.
- Weight (lbs): 3.02

Contents	Size (mm)	Point Count	Overall Length (in)
JSCVM07	7	Spline	5-1/2
JSCVM08	8	Spline	5-1/2
JSCVM09	9	Spline	5-15/16
JSCVM10	10	Spline	6-1/4
JSCVM11	11	Spline	6-9/16
JSCVM12	12	Spline	6-3/4
JSCVM13	13	Spline	7
JSCVM14	14	Spline	7-1/2
JSCVM15	15	Spline	7-7/8
JSCVM16	16	Spline	8-3/16
JSCVM17	17	Spline	8-7/8
JSCVM18	18	Spline	9-5/16
JSCVM19	19	Spline	9-3/4
JSCVM13SP	Tool Roll		



9 PIECE REVERSIBLE COMBINATION RATCHETING WRENCH SET - SPLINE

Product #: JSCV-9S

- Black chrome finish is corrosion resistant and visually distinctive.
- Fractional spline wrenches can be used on fractional 4, 6, 12 point, spline fasteners and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Anti-Slip Design (ASD) open end.
- Weight (lbs): 1.90

Contents	Size (in)	Point Size	Overall Length (in)
JSCV09	9/32	Spline	5-1/2
JSCV10	5/16	Spline	5-1/2
JSCV12	3/8	Spline	6-1/4
JSCV14	7/16	Spline	6-1/2
JSCV16	1/2	Spline	7
JSCV18	9/16	Spline	7-1/2
JSCV20	5/8	Spline	8-3/16
JSCV22	11/16	Spline	8-7/8
JSCV24	3/4	Spline	9-3/4
JSCV9SP	Tool Roll		

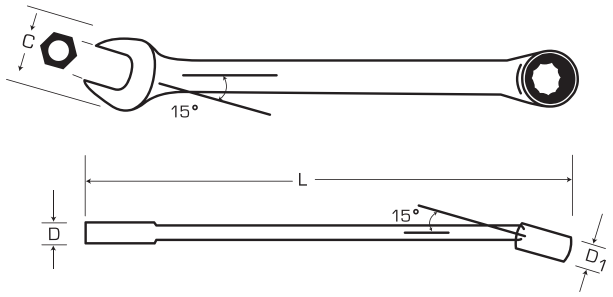


BLACK CHROME COMBINATION REVERSIBLE RATCHETING WRENCHES - SPLINE

- Fractional spline wrenches can be used on fractional 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with specialty spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Head Thickness (in) (D1)	Overall Length (in)	Weight | (lbs)
JSCV07	7/32	9/16	1/8	1/8	5	0.06
JSCV08	1/4	9/16	1/8	1/8	5	0.06
JSCV09	9/32	11/16	1/8	1/8	5-1/2	0.07
JSCV10	5/16	11/16	1/8	1/8	5-1/2	0.07
JSCV11	11/32	3/4	1/8	1/8	5-15/16	0.09
JSCV12	3/8	13/16	1/8	1/8	6-1/4	0.11
JSCV14	7/16	15/16	1/8	1/8	6-1/2	0.14
JSCV16	1/2	1-1/16	3/16	3/16	7	0.20
JSCV18	9/16	1-1/8	3/16	3/16	7-1/2	0.22
JSCV20	5/8	1-5/16	3/16	3/16	8-3/16	0.33
JSCV22	11/16	1-3/8	3/16	3/16	8-7/8	0.37
JSCV24	3/4	1-9/16	1/4	1/4	9-3/4	0.48
JSCV26	13/16	1-13/16	1/4	1/4	1-17/16	0.77
JSCV28	7/8	1-13/16	1/4	1/4	1-17/16	0.73
JSCV30	15/16	2-1/16	1/4	1/4	12-3/4	1.02
JSCV32	1	2-1/16	1/4	1/4	12-3/4	1.00
JSCV34	1-1/16	2-1/4	5/16	5/16	14-1/8	1.45
JSCV36	1-1/8	2-5/16	5/16	5/16	15-7/8	1.96
JSCV40	1-1/4	2-1/2	5/16	5/16	16-3/4	2.30
JSCV48	1-1/2	2-13/16	3/8	3/8	19-5/16	3.09



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

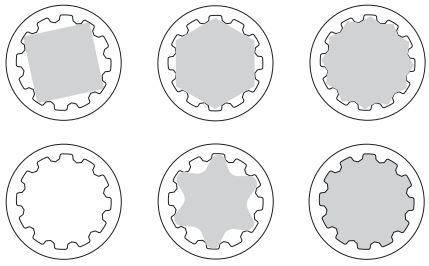
BLACK CHROME METRIC COMBINATION REVERSIBLE RATCHETING WRENCHES - SPLINE

METRIC

- Metric Spline wrenches can be used on metric 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with specialty spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSCVM06	6	9/16	1/8	1/8	5	0.06
JSCVM07	7	11/16	1/8	1/8	5-1/2	0.07
JSCVM08	8	11/16	1/8	1/8	5-1/2	0.07
JSCVM09	9	3/4	1/8	1/8	5-15/16	0.09
JSCVM10	10	13/16	1/8	1/8	6-1/4	0.11
JSCVM11	11	15/16	1/8	1/8	6-9/16	0.14
JSCVM12	12	1	3/16	3/16	6-3/4	0.17
JSCVM13	13	1-11/16	3/16	3/16	7	0.20
JSCVM14	14	1-1/8	3/16	3/16	7-1/2	0.24
JSCVM15	15	1-1/4	3/16	3/16	7-7/8	0.28
JSCVM16	16	1-5/16	3/16	3/16	8-3/16	0.33
JSCVM17	17	1-3/8	3/16	3/16	8-7/8	0.39
JSCVM18	18	1-1/2	3/16	3/16	9-5/16	0.43
JSCVM19	19	1-9/16	1/4	1/4	9-3/4	0.50
JSCVM21	21	1-13/16	1/4	1/4	11-7/16	0.76
JSCVM22	22	1-13/16	1/4	1/4	11-7/16	0.76
JSCVM24	24	2-1/16	1/4	1/4	12-3/4	1.06
JSCVM27	27	2-1/4	5/16	5/16	14-1/8	1.42
JSCVM30	30	2-5/16	5/16	5/16	15-7/8	1.89
JSCVM32	32	2-1/2	5/16	5/16	16-3/4	2.32
JSCVM34	34	2-1/2	3/8	3/8	18-1/8	2.65
JSCVM36	36	2-13/16	3/8	3/8	19-5/16	3.09



Versatile usages on 4pt, 6pt, 12pt, spline, Torx®, and slightly rounded fasteners.

9 PIECE NON-REVERSIBLE COMBINATION WRENCH SET - SPLINE

Product #: JSCR-9S

- Black chrome finish is corrosion resistant and visually distinctive.
- Non-reversing ratcheting wrenches can be flipped over to turn the fastener in the opposite direction.
- Ratcheting spline box end is countersunk for easy application to the fastener.
- Spline design was created for use with specialty spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which help apply force over a large area helping to reduce risk of fastener rounding.
- Spline design also helps prevent rounding of corners and other fastener damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Fractional spline wrenches can be used on fractional 4, 6, 12 point, spline and Torx® fasteners.
- Weight (lbs): 2.71

Contents	Size (in)	Point Count	Overall Length (in)
JSCR08	1/4	Spline	5
JSCR10	5/16	Spline	5-1/2
JSCR12	3/8	Spline	6-1/4
JSCR14	7/16	Spline	6-1/2
JSCR16	1/2	Spline	7
JSCR18	9/16	Spline	7-1/2
JSCR20	5/8	Spline	8-3/16
JSCR22	11/16	Spline	8-7/8
JSCR24	3/4	Spline	9-3/4
JSCR9SP	Tool Roll		



10 PIECE METRIC NON-REVERSIBLE COMBINATION WRENCH SET - SPLINE

METRIC

Product #: JSCRM-10S

- Metric Spline wrenches can be used on metric 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with speciality spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.
- Weight (lbs): 2.71

Contents	Size (mm)	Point Count	Overall Length (in)
JSCRM10	10	Spline	6-1/4
JSCRM11	11	Spline	6-1/2
JSCRM12	12	Spline	6-3/4
JSCRM13	13	Spline	7
JSCRM14	14	Spline	7-1/2
JSCRM15	15	Spline	7-7/8
JSCRM16	16	Spline	8-3/16
JSCRM17	17	Spline	8-7/8
JSCRM18	18	Spline	9-5/16
JSCRM19	19	Spline	9-3/4
JSCRM10SP	Tool Roll		

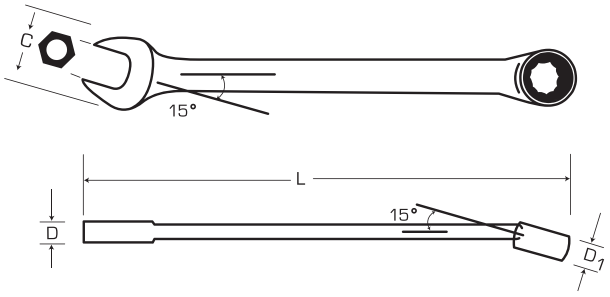


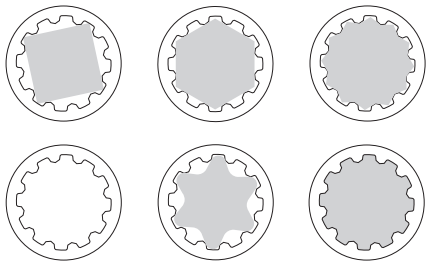
BLACK CHROME COMBINATION NON-REVERSIBLE RATCHETING WRENCHES - SPLINE

- Fractional spline wrenches can be used on fractional 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with speciality spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSCR08	1/4	9/16	1/8	1/8	5	0.05
JSCR10	5/16	11/16	1/8	1/8	5-1/2	0.06
JSCR11	11/32	3/4	1/8	1/8	5-15/16	0.08
JSCR12	3/8	13/16	1/8	1/8	6-1/4	0.10
JSCR14	7/16	15/16	1/8	1/8	6-1/2	0.13
JSCR16	1/2	1-1/16	3/16	3/16	7	0.18
JSCR18	9/16	1-1/8	3/16	3/16	7-1/2	0.22
JSCR20	5/8	1-5/16	3/16	3/16	8-3/16	0.32
JSCR22	11/16	1-3/8	3/16	3/16	8-7/8	0.38
JSCR24	3/4	1-9/16	1/4	1/4	9-3/4	0.47
JSCR26	13/16	1-13/16	1/4	1/4	11-7/16	0.70
JSCR28	7/8	1-13/16	1/4	1/4	11-7/16	0.70
JSCR30	15/16	2-1/16	1/4	1/4	12-3/4	1.02
JSCR32	1	2-1/16	1/4	1/4	12-3/4	1.02





Versatile usages on 4pt, 6pt, 12pt, spline, Torx®, and slightly rounded fasteners.

BLACK CHROME METRIC COMBINATION NON-REVERSIBLE RATCHETING WRENCHES - SPLINE

METRIC



- Metric Spline wrenches can be used on metric 4, 6, 12 point, spline and Torx® fasteners.
- The chrome-vanadium switch lever allows for easy changes in turning direction which helps improve speed.
- 15° angled offset box end helps keep shank clear of obstructions.
- Chrome-vanadium box ends and switch levers provide high strength and durability.
- Box end is countersunk for easy application to the fastener.
- Spline design was created for use with speciality spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which applies force over a larger area, reducing risk of fastener scoring and helps prevent rounding of the corners and other fasteners damage that could lead to Foreign Object Damage (FOD).
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Anti-Slip Design (ASD) open end.
- Black chrome finish is corrosion resistant and visually distinctive.

Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSCRM08	8	11/16	1/8	1/8	5-1/2	0.06
JSCRM09	9	3/4	1/8	1/8	5-15/16	0.08
JSCRM10	10	13/16	1/8	1/8	6-1/4	0.10
JSCRM11	11	15/16	1/8	1/8	6-1/2	0.13
JSCRM12	12	1	1/8	1/8	6-3/4	0.16
JSCRM13	13	1-1/16	3/16	3/16	7	0.18
JSCRM14	14	1-1/8	3/16	3/16	7-1/2	0.22
JSCRM15	15	1-1/4	3/16	3/16	7-7/8	0.25
JSCRM16	16	1-5/16	3/16	3/16	8-3/16	0.32
JSCRM17	17	1-7/16	3/16	3/16	8-7/8	0.38
JSCRM18	18	1-1/2	3/16	3/16	9-5/16	0.46
JSCRM19	19	1-9/16	1/4	1/4	9-3/4	0.47

8 PIECE DOUBLE BOX REVERSIBLE RATCHETING WRENCH SET - SPLINE

Product #: JSBV-8S

- Black chrome finish is corrosion resistant and visually distinctive.
- Non-reversing ratcheting wrenches can be flipped over to turn the fastener in the opposite direction.
- Ratcheting spline box end is countersunk for easy application to the fastener.
- Spline design was created for use with specialty spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which help apply force over a large area helping to reduce risk of fastener rounding.
- Spline design also helps prevent rounding of corners and other fastener damage that could lead to Foreign Object Damage (FOD).
- The fractional spline wrenches can be used on fractional 4, 6, 12 point and spline fasteners.
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.
- Weight (lbs): 4.12

Contents	Size (in)	Point Count	Overall Length (in)
JSBV0709	7/32 x 9/32	Spline	4-1/2
JSBV0810	1/4 x 5/16	Spline	4-1/2
JSBV1214	3/8 x 7/16	Spline	5-15/16
JSBV1618	1/2 x 9/16	Spline	7-1/16
JSBV2022	5/8 x 11/16	Spline	7-7/8
JSBV2428	3/4 x 7/8	Spline	9-5/8
JSBV2630	13/16 x 15/16	Spline	10-1/4
JSBV3236	1 x 1-1/8	Spline	11-5/8
JSBV8SP	Tool Roll		



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK CHROME DOUBLE BOX REVERSIBLE RATCHETING WRENCHES - SPLINE

- Black chrome finish is corrosion resistant and visually distinctive.
- Ratcheting spline box end is countersunk for easy application to the fastener.
- Spline design was created for use with specialty spline bolts which are used when weight and size of bolt heads must be minimized.
- Spline design enables the wrench to contact conventional fasteners away from the corners, which help apply force over a large area helping to reduce risk of fastener rounding.
- Spline design also helps prevent rounding of corners and other fastener damage that could lead to Foreign Object Damage (FOD).
- The fractional spline wrenches can be used on fractional 4, 6, 12 point and spline fasteners.
- The high contact surface area which is away from fastener points enables turning of highly rounded fasteners.





Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
JSBV0709	7/32 x 9/32	11/16	1/8	1/8	4-1/2	0.08
JSBV0810	1/4 x 5/16	11/16	1/8	1/8	4-1/2	0.08
JSBV1214	3/8 x 7/16	7/8	1/8	1/8	5-15/16	0.12
JSBV1618	1/2 x 9/16	1	3/16	3/16	7-1/16	0.23
JSBV2022	5/8 x 11/16	1-3/16	3/16	3/16	7-7/8	0.35
JSBV2428	3/4 x 7/8	1-5/8	1/4	1/4	9-5/8	0.63
JSBV2630	13/16 x 15/16	1-13/16	1/4	1/4	10-1/4	0.84
JSBV3236	1 x 1-1/8	2-5/16	5/16	5/16	11-5/8	0.95

4 PIECE RATCHETING WRENCH ADAPTER SET

Product #: JHA4S

- Full polish finish provides corrosion resistance and easy clean surfaces.
- Converts ratcheting wrench into super-thin ratchets or ratcheting bit drivers.
- Inserts into box end with a stable locking and release mechanism.
- Converts:
  - 3/8" Ratcheting Wrench to 1/4" Drive Bit Adapter
  - 3/8" Ratcheting Wrench to 1/4" Drive Adapter
  - 1/2" Ratcheting Wrench to 3/8" Drive Adapter
  - 3/4" Ratcheting Wrench to 1/2" Drive Adapter
- Weight (lbs): 0.21



4 PIECE METRIC RATCHETING WRENCH ADAPTER SET

METRIC

Product #: JHAM4S

- Full polish finish provides corrosion resistance and easy clean surfaces.
- Converts ratcheting wrench into super-thin ratchets or ratcheting bit drivers.
- Inserts into box end with a stable locking and release mechanism.
- Easy to read markings.
- Converts:
  - 10 mm Ratcheting Wrench to 1/4" Drive Bit Adapter
  - 10 mm Ratcheting Wrench to 1/4" Drive Adapter
  - 13 mm Ratcheting Wrench to 3/8" Drive Adapter
  - 19 mm Ratcheting Wrench to 1/2" Drive Adapter
- Weight (lbs): 0.22



5 PIECE OFFSET REVERSIBLE RATCHETING BOX WRENCH SET - 6 AND 12 POINT

Product #: J1180A

- 25° offset box end helps keep shank clear of obstructions.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- Full polish finish on handle provides corrosion resistance and easy to clean surfaces.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Weight (lbs): 2.24

Contents	Size (in)	Point Count	Overall Length (in)
J1181-A	1/4 x 5/16	6	4-1/4
J1182-A	3/8 x 7/16	6	5-7/16
J1183-A	1/2 x 9/16	6	6-3/4
J1184-A	5/8 x 11/16	12	8
J1185-A	3/4 x 7/8	12	9-1/8
J25TR06C	Tool Roll		



7 PIECE METRIC OFFSET RATCHETING BOX WRENCH SET - 6 AND 12 POINT

METRIC

Product #: J1180MA

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- 6 point box end allows larger wrench to fastener contact area which helps prevent rounding of the fastener.
- 25° offset box end helps keep shank clear of obstructions.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- Weight (lbs): 3.60

Contents	Size (mm)	Point Count	Overall Length (in)
J1181M-A	7 x 8	6	4-1/4
J1182M-A	9 x 10	6	5-7/16
J1183MA-A	11 x 13	6	6-3/4
J1184MA-A	12 x 14	6	6-3/4
J1185M-A	15 x 17	12	8
J1186M-A	16 x 18	12	8
J1187M-A	19 x 21	12	9-1/8
J25TR01C	Tool Roll		



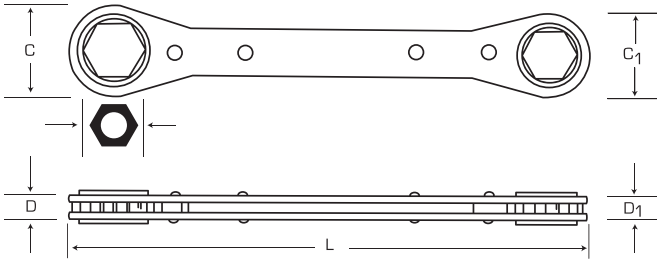
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

OFFSET REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 6 POINT

- 25° offset box end helps keep shank clear of obstructions.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- Full polish finish on handle provides corrosion resistance and easy to clean surfaces.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1181-A	1/4 x 5/16	19/32	3/8	43/64	3/8	4-1/4	0.15
J1182-A	3/8 x 7/16	25/32	3/8	7/8	3/8	5-7/16	0.21
J1183-A	1/2 x 9/16	1	1/2	1-9/64	1/2	6-3/4	0.43



METRIC OFFSET REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 6 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 25° offset box end helps keep shank clear of obstructions.
- Shorter length for access to confined workspaces.
- 6 point box end allows larger wrench to fastener contact area which helps prevent rounding of the fastener.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- The wrench self-aligns with the fastener.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1181M-A	7 x 8	19/32	3/8	43/64	3/8	4-1/4	0.13
J1182M-A	9 x 10	25/32	3/8	7/8	3/8	5-7/16	0.22
J1183MA-A	11 x 13	1-1/64	1/2	1-5/32	1/2	6-3/4	0.32
J1184MA-A	12 x 14	1-1/64	1/2	1-5/32	1/2	6-3/4	0.32

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OFFSET REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 12 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 25° offset box end helps keep shank clear of obstructions for greater accessibility.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1179T	7/32 x 9/32	19/32	3/8	43/64	3/8	4-1/4	0.15
J1181T	1/4 x 5/16	19/32	3/8	41/64	3/8	4-1/4	0.15
J1182T	3/8 x 7/16	25/32	3/8	7/8	3/8	5-7/16	0.21
J1183T	1/2 x 9/16	1	1/2	1-9/64	1/2	6-3/4	0.43
J1184-A	5/8 x 11/16	1-19/64	1/2	1-7/16	1/2	8	0.58
J1185-A	3/4 x 7/8	1-13/32	1/2	1-9/16	1/2	9-1/8	0.77
J1186	5/8 x 3/4	1-19/64	1/2	1-7/16	1/2	8	0.58

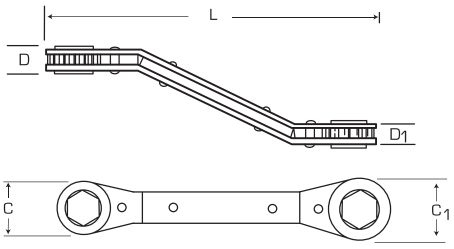
METRIC OFFSET REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 12 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Built in retaining ring in each ratchet wheel adds speed and convenience.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1185M-A	15 x 17	1-19/64	1/2	1-7/16	1/2	8	0.46
J1186M-A	16 x 18	1-19/64	1/2	1-7/16	1/2	8	0.46
J1187M-A	19 x 21	1-13/32	1/2	1-37/64	1/2	9-1/8	0.52



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

5 PIECE REVERSIBLE RATCHETING BOX WRENCH SET - 12 POINT

Product #: J1190LO



- Full polish finish on handle provides corrosion resistance and easy to clean surfaces.
- Built-in retaining ring in each ratchet wheel adds speed and convenience for greater accessibility.
- Wrench self-aligns on the fastener which helps save time.
- 12 point box end allows for fine indexing, helping improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 2.18

Contents	Size (in)	Point Count	Overall Length (in)
J1191LO	1/4 x 5/16	12	4-1/2
J1192LO	3/8 x 7/16	12	5-1/2
J1193LO	1/2 x 9/16	12	6-7/8
J1194LO	5/8 x 11/16	12	8-1/8
J1195LO	3/4 x 7/8	12	9-1/4
J25TR06C	Tool Roll		

5 PIECE METRIC REVERSIBLE RATCHETING BOX WRENCH SET - 12 POINT

METRIC

Product #: J1190MLO



- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Built in retaining ring in each ratchet wheel adds speed and convenience for greater accessibility.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 2.03

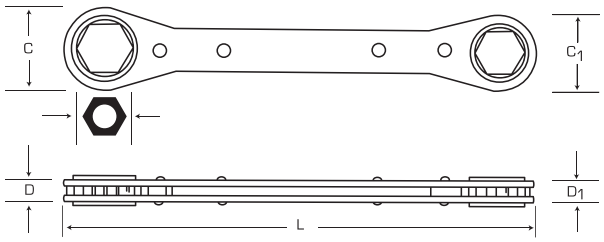
Contents	Size (mm)	Overall Length (in)
J1191MLO	7 x 8	4-1/2
J1192MLO	9 x 10	5-1/2
J1193MLO	11 x 12	6-7/8
J1194MLO	13 x 14	6-7/8
J1195MLO	15 x 17	8-1/8
J25TR06C	Tool Roll	

REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 12 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Built in retaining ring in each ratchet wheel adds speed and convenience.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J1191LO	1/4 x 5/16	4-1/2	0.15
J1192LO	3/8 x 7/16	5-1/2	0.21
J1193LO	1/2 x 9/16	6-7/8	0.31
J1194LO	5/8 x 11/16	8-1/8	0.58
J1195LO	3/4 x 7/8	9-1/4	0.67





METRIC REVERSIBLE RATCHETING DOUBLE BOX WRENCHES - 12 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Built in retaining ring in each ratchet wheel adds speed and convenience for greater accessibility.
- Shorter length for access to confined workspaces.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J1191MLO	7 x 8	4-1/2	0.16
J1192MLO	9 x 10	5-1/2	0.23
J1193MLO	11 x 12	6-7/8	0.33
J1194MLO	13 x 14	6-7/8	0.61
J1195MLO	15 x 17	8-1/8	0.7



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

5 PIECE METRIC RATCHETING BOX WRENCH SET - 6 AND 12 POINT

Product #: J1190MA

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 6 point box end allows for a large wrench to fastener contact area which helps prevent fastener rounding.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 2.12

Contents	Size (mm)	Point Count	Overall Length (in)
J1191M-A	7 x 8	6	4-1/2
J1192M-A	9 x 10	6	5-1/2
J1193MA-A	11 x 13	6	6-7/8
J1194MA-A	12 x 14	6	6-7/8
J1195M-A	15 x 17	12	8-1/8
J25TR06C	Tool Roll		



5 PIECE RATCHETING BOX WRENCH SET - 12 POINT

Product #: J1190A

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 1.72

Contents	Size (in)	Point Count	Overall Length (in)
J1191T-A	1/4 x 5/16	12	4-1/2
J1192T-A	3/8 x 7/16	12	5-1/2
J1193T-A	1/2 x 9/16	12	6-7/8
J1194-A	5/8 x 11/16	12	8-1/8
J1195-A	3/4 x 7/8	12	9-1/4
J25TR06C	Tool Roll		



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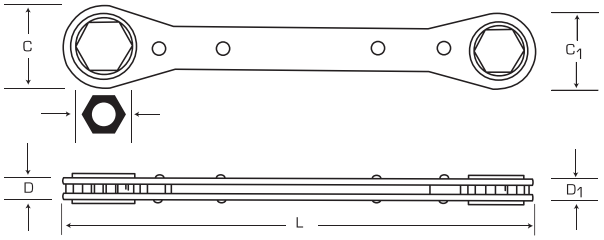
3 PIECE RATCHETING BOX WRENCH SET - 12 POINT

Product #: J1190B

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Built in retaining ring in each ratchet wheel adds speed and convenience for greater accessibility.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 1.10



Contents	Size (in)	Point Count	Overall Length (in)
J1192T-A	3/8 x 7/16	12	5-1/2
J1193T-A	1/2 x 9/16	12	6-7/8
J1194-A	5/8 x 11/16	12	8-1/8
J25TR17C	Tool Roll		



RATCHETING DOUBLE BOX WRENCHES - 6 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 6 point box end allows for large wrench to fastener contact area which helps prevent fastener rounding.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1191-A	1/4 x 5/16	19/32	3/8	43/64	3/8	4-1/2	0.12
J1192-A	3/8 x 7/16	3/4	1/2	7/8	1/2	5-1/2	0.18
J1193-A	1/2 x 9/16	1	1/2	1-1/8	1/2	6-7/8	0.29

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

METRIC RATCHETING DOUBLE BOX WRENCHES - 6 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 6 point box end allows for large wrench to fastener contact area which helps prevent fastener rounding.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1191M-A	7 x 8	19/32	3/8	43/64	3/8	4-1/2	0.12
J1192M-A	9 x 10	25/32	3/8	7/8	3/8	5-1/2	0.17
J1193MA-A	11 x 13	1-1/64	1/2	1-5/32	1/2	6-7/8	0.31
J1194MA-A	12 x 14	1-1/64	1/2	1-5/32	1/2	6-7/8	0.39

RATCHETING DOUBLE BOX WRENCHES - 12 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing.
- Fits 4, 6 and 12 point fasteners.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1191T-A	1/4 x 5/16	9/32	3/8	43/64	3/8	4-1/2	0.12
J1192T-A	3/8 x 7/16	3/4	3/8	7/8	3/8	5-1/2	0.17
J1193T-A	1/2 x 9/16	1	1/2	1-1/8	1/2	6-7/8	0.29
J1194-A	5/8 x 11/16	1-19/64	1/2	1-7/16	1/2	8-1/8	0.44
J1195-A	3/4 x 7/8	1-13/32	1/2	1-37/64	1/2	9-1/4	0.52
J1196-A	5/8 x 3/4	1-19/64	1/2	1-7/16	1/2	8-1/8	0.47
J1197-A	13/16 x 15/16	1-13/32	1/2	1-37/64	1/2	9-1/4	0.52
J1198*	1-1/4 x 1-1/16	1-29/32	9/16	2-1/4	9/16	15	1.38
J1199*	1-1/16 x 1-1/4	1-29/32	9/16	2-1/4	9/16	15	1.38

* Reversible

METRIC RATCHETING DOUBLE BOX WRENCHES - 12 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Shorter length for access to confined workspaces.
- The wrench self-aligns with the fastener.
- 12 point box end allows for fine indexing and fits 4, 6 and 12 point fasteners.
- Fits 4, 6 and 12 point fasteners.



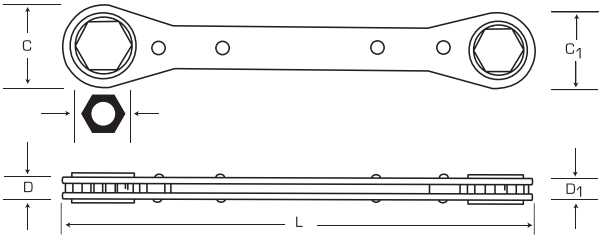
Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1195M-A	15 x 17	1-19/64	1/2	1-7/16	1/2	8-7/64	0.48
J1196M	16 x 18	1-19/64	1/2	1-7/16	1/2	8-7/64	0.48
J1197M	19 x 21	1-13/32	1/2	1-37/64	1/2	9-15/64	0.55

REFRIGERATION WRENCHES

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Designed for servicing automotive, commercial, and residential air conditioners, refrigeration units and freezers.
- Hex openings are used for packing gland fittings, mounting bolts, clutch bolts, tubing fittings, dust cap nuts and oil check plugs.
- Square openings are used on male service valves, plug fittings, compressor valves and refrigerant charging tanks.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.



Product #	Size	Size	Overall Length (in)	Weight (lbs)
J1111	1/4 x 3/16 Square	9/16 x 1/2 Hex	7	0.35
J1112	1/4 x 3/16 Square	1/4 x 3/16 Hex	5-1/2	0.25



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE RATCHETING FLARE NUT WRENCH SET - 12 POINT

Product #: J3800A

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.
- Weight (lbs): 1.93



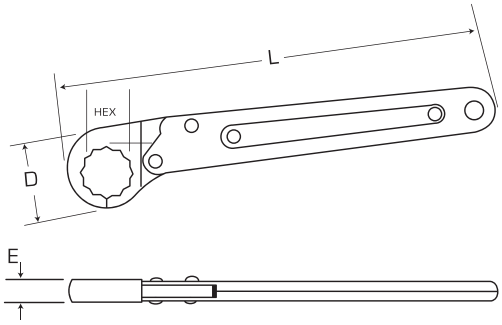
Contents	Size (in)	Point Count	Overall Length (in)
J3812	3/8	12	5-7/16
J3814	7/16	12	5-7/16
J3816	1/2	12	5-7/16
J3818	9/16	12	7-1/4
J3820	5/8	12	7-1/4
J3822	11/16	12	7-1/4
J3824	3/4	12	7-1/4
J25TR03C	Tool Roll		

RATCHETING FLARE NUT WRENCHES - 12 POINT

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J3812	3/8	1	9/32	5-7/16	0.17
J3814	7/16	1	9/32	5-7/16	0.17
J3816	1/2	1	9/32	5-7/16	0.17
J3818	9/16	1-5/16	3/8	7-1/4	0.31
J3820	5/8	1-5/16	3/8	7-1/4	0.31
J3822	11/16	1-5/16	3/8	7-1/4	0.31
J3824	3/4	1-5/16	3/8	7-1/4	0.31
J3826	13/16	1-11/16	7/16	9-3/8	0.58
J3828	7/8	1-11/16	7/16	9-3/8	0.58
J3830	15/16	1-11/16	1/2	9-3/8	0.58
J3832	1	1-11/16	1/2	9-3/8	0.58



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Made in USA Made in USA with global components

17 PIECE METRIC COMBINATION WRENCH SET - 12 POINT

METRIC

Product #: J1200RM-T500

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 6.92

TORQUEPLUS FASTENING SYSTEM

Contents	Size (mm)	Point Count	Overall Length (in)
J1207M-T500	7	12	5-5/32
J1208M-T500	8	12	5-13/32
J1209M-T500	9	12	5-21/32
J1210M-T500	10	12	5-29/32
J1211M-T500	11	12	6-29/32
J1212M-T500	12	12	7-45/64
J1213M-T500	13	12	7-29/32
J1214M-T500	14	12	8-13/16
J1215M-T500	15	12	9-5/32
J1216M-T500	16	12	9-35/64
J1217M-T500	17	12	10-9/32
J1218M-T500	18	12	10-11/16
J1219M-T500	19	12	11-1/32
J1220M-T500	20	12	11-27/64
J1221M-T500	21	12	11-13/16
J1222M-T500	22	12	12-17/32
J1224M-T500	24	12	13-5/16
J25TR36C	Tool Roll		

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15 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200F-T500

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6, and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Fractional sizes 11/32" and smaller do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 9.76

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Count	Overall Length (in)
J1210-T500	5/16	12	5-3/8
J1212-T500	3/8	12	6
J1214-T500	7/16	12	7
J1216-T500	1/2	12	8
J1218-T500	9/16	12	8-7/8
J1220-T500	5/8	12	9-1/2
J1222-T500	11/16	12	10-1/4
J1224-T500	3/4	12	11
J1226-T500	13/16	12	11-7/8
J1228-T500	7/8	12	12-1/2
J1230-T500	15/16	12	13-1/4
J1232-T500	1	12	14
J1234-T500	1-1/16	12	15-1/4
J1236-T500	1-1/8	12	15-7/8
J1240-T500	1-1/4	12	16-7/8
J25TR34C	Tool Roll		

ASME B107.100



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200H-T500

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6, and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.02

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Count	Overall Length (in)
J1212-T500	3/8	12	6
J1214-T500	7/16	12	7
J1216-T500	1/2	12	8
J1218-T500	9/16	12	8-7/8
J1220-T500	5/8	12	9-1/2
J1222-T500	11/16	12	10-1/4
J1224-T500	3/4	12	11
J25TR33C	Tool Roll		

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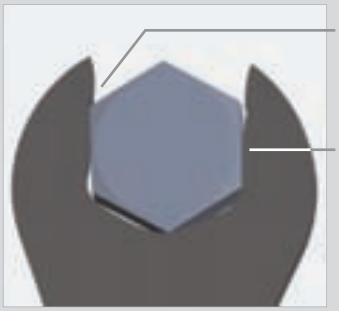


FEATURES AND BENEFITS — ANTI-SLIP DESIGN (ASD)

The Anti-Slip Design consists of two features:

- A notch to lock the fastener in place.
- A curve for greater contact area against the fastener.

An ASD Wrench does not apply load to the corners of the fastener, so it helps to prevent rounding. Because of the greater surface contact, the wrench can also successfully apply greater torque without slipping.



9 PIECE METRIC COMBINATION WRENCH SET - 12 POINT

METRIC

Product #: J1200HM-T500

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 1.62

TORQUEPLUS FASTENING SYSTEM

Contents	Size (mm)	Point Count	Overall Length (in)
J1207M-T500	7	12	5-5/32
J1208M-T500	8	12	5-13/32
J1209M-T500	9	12	5-21/32
J1210M-T500	10	12	5-29/32
J1211M-T500	11	12	6-29/32
J1212M-T500	12	12	7-45/64
J1213M-T500	13	12	7-29/32
J1214M-T500	14	12	8-13/16
J1215M-T500	15	12	9-5/32
J25TR35C	Tool Roll		

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FULL POLISH COMBINATION WRENCHES - 6 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Anti-Slip Design (ASD) open end. Fractional sizes 11/32" and smaller do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM

Delayed Availability



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208H-T500	1/4	19/64	39/64	5/32	27/64	15/64	4-59/64	0.04
J1210H-T500	5/16	3/8	45/64	13/64	33/64	17/64	5-7/16	0.08
J1211H-T500	11/32	13/32	25/32	21/32	17/32	7/32	5-43/64	0.08
J1212H-T500	3/8	13/32	13/16	1/4	39/64	5/16	5-29/32	0.10
J1214H-T500	7/16	17/32	15/16	17/64	43/64	21/64	6-29/32	0.14
J1216H-T500	1/2	39/64	1-5/64	21/64	49/64	11/32	7-29/32	0.20
J1218H-T500	9/16	11/16	1-3/16	11/32	27/32	23/64	8-13/16	0.27
J1220H-T500	5/8	3/4	1-21/64	25/64	15/16	13/32	9-35/64	0.35
J1222H-T500	11/16	13/16	1-29/64	27/64	1-1/64	7/16	10-19/64	0.38
J1224H-T500	3/4	57/64	1-37/64	31/64	1-3/32	15/32	11-3/64	0.52
J1226H-T500	13/16	31/32	1-11/16	33/64	1-11/64	1/2	11-13/16	0.54
J1228H-T500	7/8	1-1/16	1-13/16	35/64	1-1/4	33/64	12-35/64	0.65
J1230H-T500	15/16	1-1/8	1-29/32	39/64	1-27/64	37/64	13-5/16	0.74
J1232H-T500	1	1-13/64	2-1/64	21/32	1-13/32	37/64	14-1/16	0.95
J1234H-T500	1-1/16	1-9/32	2-9/64	45/64	1-31/64	39/64	15-1/4	1.13
J1236H-T500	1-1/8	1-23/64	2-17/64	3/4	1-21/32	41/64	15-7/8	1.38
J1238H-T500	1-3/16	1-23/64	2-25/64	3/4	1-21/32	21/32	15-7/8	1.54
J1240H-T500	1-1/4	1-1/2	2-33/64	53/64	1-3/4	45/64	16-59/64	1.89

ASME B107.100

FULL POLISH METRIC COMBINATION WRENCHES - 6 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM

Delayed Availability



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in (D1)	Overall Length (in)	Weight (lbs)
J1206MH-T500	6	19/64	35/64	5/32	25/64	5/32	4-59/64	0.04
J1207MH-T500	7	5/16	19/32	3/16	13/32	15/64	5-11/64	0.04
J1208MH-T500	8	25/64	11/16	13/64	1/2	17/64	5-7/16	0.07
J1209MH-T500	9	13/32	3/4	7/32	35/64	17/64	5-43/64	0.08
J1210MH-T500	10	31/64	7/8	1/4	21/32	5/16	5-29/32	0.13
J1211MH-T500	11	33/64	59/64	17/64	11/16	21/64	6-29/32	0.14
J1212MH-T500	12	9/16	1	19/64	47/64	11/32	7-23/32	0.17
J1213MH-T500	13	39/64	1-1/32	21/64	25/32	11/32	7-29/32	0.18
J1214MH-T500	14	11/16	1-3/16	11/32	55/64	23/64	8-13/16	0.22
J1215MH-T500	15	3/4	1-1/4	3/8	7/8	23/64	9-9/64	0.25
J1216MH-T500	16	3/4	1-21/64	25/64	15/16	13/32	9-35/64	0.26
J1217MH-T500	17	53/64	1-25/64	27/64	1-1/32	7/16	10-19/64	0.38
J1218MH-T500	18	55/64	1-33/64	29/64	1-1/16	29/64	10-11/16	0.41
J1219MH-T500	19	29/32	1-37/64	31/64	1-7/64	15/32	11-3/64	0.46

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FULL POLISH COMBINATION WRENCHES - 12 POINT

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6, and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Fractional sizes 11/32" and smaller do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.



TORQUEPLUS FASTENING SYSTEM

Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208-T500	1/4	19/64	39/64	3/16	27/64	15/64	4-7/8	0.04
J1209-T500	9/32	23/64	41/64	3/16	29/64	7/32	5-5/32	0.06
J1210-T500	5/16	3/8	45/64	3/16	33/64	17/64	5-3/8	0.08
J1211-T500	11/32	13/32	25/32	3/16	17/32	7/32	5-5/8	0.08
J1212-T500	3/8	13/32	13/16	3/16	39/64	5/16	6	0.10
J1214-T500	7/16	17/32	15/16	15/64	43/64	21/64	7	0.14
J1216-T500	1/2	39/64	1-5/64	1/4	49/64	11/32	8	0.20
J1218-T500	9/16	11/16	1-3/16	9/32	27/32	23/64	8-7/8	0.27
J1220-T500	5/8	3/4	1-21/64	19/64	15/16	13/32	9-1/2	0.35
J1222-T500	11/16	13/16	1-29/64	5/16	1-1/64	7/16	10-1/4	0.38
J1224-T500	3/4	57/64	1-37/64	11/32	1-3/32	15/32	11	0.52
J1226-T500	13/16	31/32	1-11/16	23/64	1-11/64	1/2	11-7/8	0.54
J1228-T500	7/8	1-1/16	1-13/16	3/8	1-1/4	33/64	12-1/2	0.65
J1230-T500	15/16	1-1/8	1-29/32	13/32	1-27/64	37/64	13-1/4	0.74
J1232-T500	1	1-13/64	2-1/64	13/32	1-13/32	37/64	14	0.95
J1234-T500	1-1/16	1-9/32	2-9/64	29/64	1-31/64	39/64	15-1/4	1.13
J1236-T500	1-1/8	1-23/64	2-17/64	15/32	1-21/32	41/64	15-7/8	1.38
J1240-T500	1-1/4	1-1/2	2-33/64	33/64	1-3/4	45/64	16-7/8	1.89

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FULL POLISH METRIC COMBINATION WRENCHES - 12 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.



TORQUEPLUS FASTENING SYSTEM

Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1207M-T500	7	5/16	19/32	11/64	13/32	15/64	5-5/32	0.04
J1208M-T500	8	25/64	11/16	3/16	1/2	17/64	5-13/32	0.07
J1209M-T500	9	13/32	3/4	3/16	35/64	17/64	5-21/32	0.08
J1210M-T500	10	31/64	7/8	7/32	21/32	5/16	5-29/32	0.13
J1211M-T500	11	33/64	59/64	15/64	11/16	21/64	6-29/32	0.14
J1212M-T500	12	9/16	1	1/4	47/64	11/32	7-45/64	0.17
J1213M-T500	13	39/64	1-1/32	1/4	25/32	11/32	7-29/32	0.18
J1214M-T500	14	11/16	1-3/16	9/32	55/64	23/64	8-13/16	0.22
J1215M-T500	15	3/4	1-1/4	19/64	7/8	23/64	9-5/32	0.25
J1216M-T500	16	3/4	1-21/64	5/16	15/16	13/32	9-35/64	0.26
J1217M-T500	17	53/64	1-25/64	21/64	1-1/32	7/16	10-9/32	0.38
J1218M-T500	18	55/64	1-33/64	11/32	1-1/16	29/64	10-11/16	0.41
J1219M-T500	19	29/32	1-37/64	11/32	1-7/64	15/32	11-1/32	0.46
J1220M-T500	20	63/64	1-11/16	23/64	1-3/16	31/64	11-27/64	0.55
J1221M-T500	21	63/64	1-11/16	23/64	1-3/16	31/64	11-13/16	0.54
J1222M-T500	22	1-3/64	1-25/32	3/8	1-17/64	1/2	12-17/32	0.62
J1224M-T500	24	1-1/8	1-57/64	13/32	1-11/32	35/64	13-5/16	0.77

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FULL POLISH COMBINATION WRENCHES - SPLINE

- Proto® Spline Tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline fasteners help tighten high strength bolts to high torque loads.
- They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners, helping prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.
- Full polish finish provides corrosion resistance and an easy to clean surface.
- Anti-Slip Design (ASD) open end.
- Fractional sizes 11/32" and smaller do not have the ASD feature.



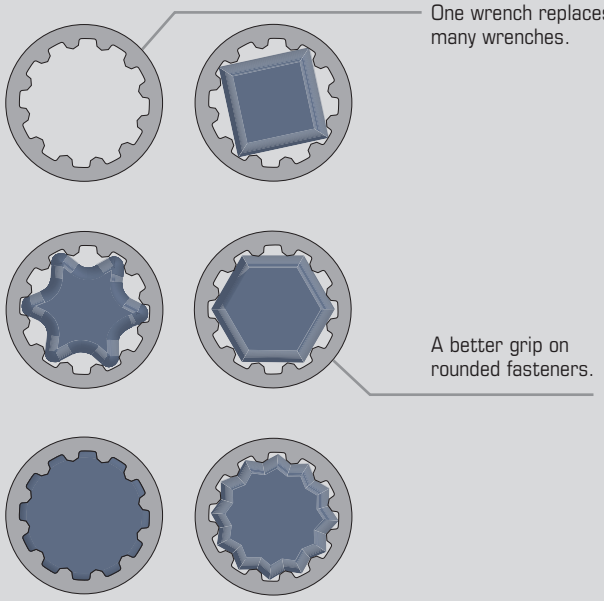
Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208SPL	1/4	17/64	35/64	5/32	25/64	11/64	4-29/32	0.06
J1209SPL	9/32	19/64	39/64	11/64	7/16	11/64	5-5/32	0.07
J1210SPL	5/16	21/64	11/16	11/64	31/64	3/16	5-27/64	0.08
J1211SPL	11/32	23/64	25/32	3/16	35/64	7/32	5-21/32	0.09
J1212SPL	3/8	13/32	27/32	13/64	37/64	15/64	5-59/62	0.10
J1214SPL	7/16	15/32	15/16	7/32	43/64	17/64	6-29/32	0.14
J1216SPL	1/2	17/32	1-5/64	1/4	47/64	5/16	7-29/32	0.20
J1218SPL	9/16	19/32	1-13/64	9/32	13/16	11/32	8-53/64	0.26
J1220SPL	5/8	43/64	1-21/64	19/64	57/64	3/8	9-35/64	0.34
J1222SPL	11/16	47/64	1-7/16	5/16	63/64	13/32	10-19/64	0.42
J1224SPL	3/4	51/64	1-37/64	11/32	1-5/64	15/32	11-3/64	0.50
J1226SPL	13/16	55/64	1-23/32	23/64	1-3/16	33/64	11-53/64	0.59
J1228SPL	7/8	15/16	1-27/32	3/8	1-1/4	17/32	12-17/32	0.73
J1230SPL	15/16	1	1-31/32	25/64	1-23/64	37/64	13-5/16	0.90
J1232SPL	1	1-1/16	2-3/32	27/64	1-29/64	37/64	14-1/16	1.10

FEATURES AND BENEFITS —

A SPLINE END FITS MANY TYPES OF FASTENERS

Spline End Wrenches are versitle tools that handle several types of fasteners better than conventional wrenches.

- One Spline End wrench can replace many because the innovative spline end can grab and turn several types of fasteners.
- The contact points for spline end sockets are always away from the corners of the fastener. This design, by its nature, reduces the problem of rounding.
- The same grip also turns previously-rounded fasteners better, because the splines grip the head along the flat edge.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

31 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200-90ASD

Contents	Size (in)	Point Count	Overall Length (in)
J1210A	5/16	12	5-3/8
J1212ASD	3/8	12	6
J1214ASD	7/16	12	7
J1216ASD	1/2	12	8
J1218ASD	9/16	12	8-7/8
J1220ASD	5/8	12	9-1/2
J1222ASD	11/16	12	10-1/4
J1224ASD	3/4	12	11
J1226ASD	13/16	12	11-7/8
J1228ASD	7/8	12	12-1/2
J1230ASD	15/16	12	13-1/4
J1232ASD	1	12	14
J1234ASD	1-1/16	12	15-1/4
J1236ASD	1-1/8	12	15-7/8
J1240ASD	1-1/4	12	16-7/8
J1242	1-5/16	12	17-5/8
J1244	1-3/8	12	18-1/2
J1246	1-7/16	12	19-3/8
J1248	1-1/2	12	20-1/4
J1252	1-5/8	12	23
J1254	1-11/16	12	23
J1256	1-3/4	12	25
J1258	1-13/16	12	25
J1260	1-7/8	12	28
J1264	2	12	28
J1266	2-1/16	12	29-1/2
J1268	2-1/8	12	29-1/2
J1270	2-3/16	12	29-1/2
J1272	2-1/4	12	29-1/2
J1276	2-3/8	12	31-1/2
J1280	2-1/2	12	31-1/2
J25TR34C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Fractional sizes 11/32" and smaller and 1-15/16" and larger do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 124

TORQUEPLUS FASTENING SYSTEM

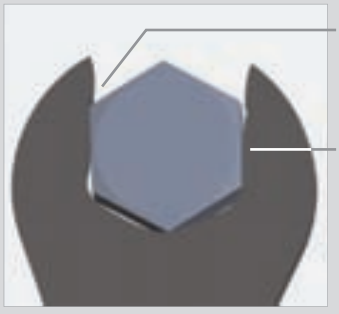


FEATURES AND BENEFITS — ANTI-SLIP DESIGN (ASD)

The Anti-Slip Design consists of two features:

- A notch to lock the fastener in place.
- A curve for greater contact area against the fastener.

An ASD Wrench does not apply load to the corners of the fastener, so it helps to prevent rounding. Because of the greater surface contact, the wrench can also successfully apply greater torque without slipping.



26 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200-80ASD

Contents	Size (in)	Point Count	Overall Length (in)
J1208A	1/4	12	4-7/8
J1210A	5/16	12	5-3/8
J1212ASD	3/8	12	6
J1214ASD	7/16	12	7
J1216ASD	1/2	12	8
J1218ASD	9/16	12	8-7/8
J1220ASD	5/8	12	9-1/2
J1222ASD	11/16	12	10-1/4
J1224ASD	3/4	12	11
J1226ASD	13/16	12	11-7/8
J1228ASD	7/8	12	12-1/2
J1230ASD	15/16	12	13-1/4
J1232ASD	1	12	14
J1234ASD	1-1/16	12	15-1/4
J1236ASD	1-1/8	12	15-7/8
J1240ASD	1-1/4	12	16-7/8
J1242	1-5/16	12	17-5/8
J1244	1-3/8	12	18-1/2
J1246	1-7/16	12	19-3/8
J1248	1-1/2	12	20-1/4
J1252	1-5/8	12	23
J1254	1-11/16	12	23
J1256	1-3/4	12	25
J1258	1-13/16	12	25
J1260	1-7/8	12	28
J1264	2	12	28

ASME B107.100

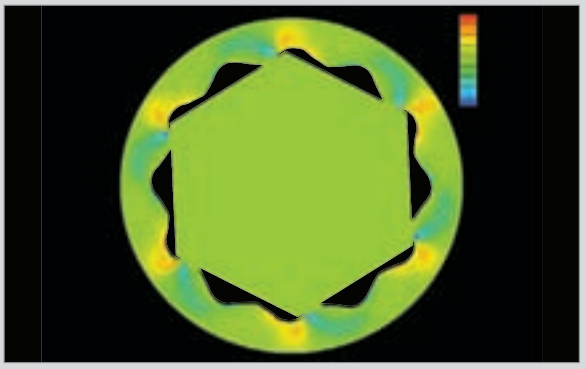
- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Fractional sizes 11/32" and smaller and sizes 1-5/16" and larger do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 57.42

TORQUEPLUS FASTENING SYSTEM



PRODUCT FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

18 PIECE METRIC COMBINATION ASD WRENCH SET - 12 POINT METRIC

Product #: J1200R-MASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1207MA	7	12	5-5/32
J1208MA	8	12	5-13/32
J1209MA	9	12	5-21/32
J1210MASD	10	12	5-29/32
J1211MASD	11	12	6-29/32
J1212MASD	12	12	7-45/64
J1213MASD	13	12	7-29/32
J1214MASD	14	12	8-13/16
J1215MASD	15	12	9-5/32
J1216MASD	16	12	9-35/64
J1217MASD	17	12	10-9/32
J1218MASD	18	12	10-11/16
J1219MASD	19	12	11-1/32
J1220MASD	20	12	11-27/64
J1221MASD	21	12	11-13/16
J1222MASD	22	12	12-17/32
J1223MASD	23	12	12-59/64
J1224MASD	24	12	13-5/16
J25TR42C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 8.1

TORQUEPLUS FASTENING SYSTEM



16 PIECE COMBINATION WRENCH SET - 12 POINT

Product #: J1200F-HD

Contents	Size (in)	Point Count	Overall Length (in)
J1242	1-5/16	12	17-5/8
J1244	1-3/8	12	18-1/2
J1246	1-7/16	12	19-3/8
J1248	1-1/2	12	20-1/4
J1252	1-5/8	12	23
J1254	1-11/16	12	23
J1256	1-3/4	12	25
J1258	1-13/16	12	25
J1260	1-7/8	12	28
J1264	2	12	28
J1266	2-1/16	12	29-1/2
J1268	2-1/8	12	29-1/2
J1270	2-3/16	12	29-1/2
J1272	2-1/4	12	29-1/2
J1276	2-3/8	12	31-1/2
J1280	2-1/2	12	31-1/2

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- 15° angled offset box end helps keep shank clear of obstructions.
- The box end is countersunk for easy application to the fastener.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 113.5

TORQUEPLUS FASTENING SYSTEM



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15 PIECE COMBINATION ASD WRENCH SET - 12 POINT

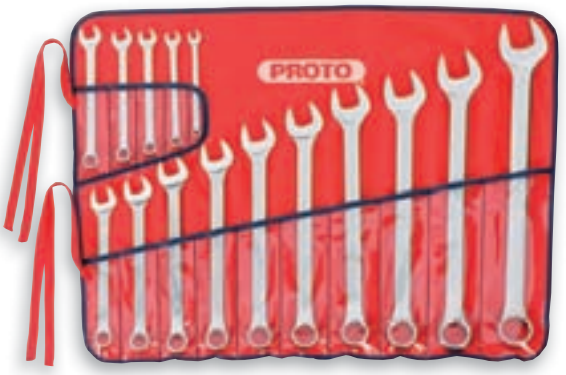
Product #: J1200FASD

Contents	Size (in)	Point Count	Overall Length (in)
J1210A	5/16	12	5-3/8
J1212ASD	3/8	12	6
J1214ASD	7/16	12	7
J1216ASD	1/2	12	8
J1218ASD	9/16	12	8-7/8
J1220ASD	5/8	12	9-1/2
J1222ASD	11/16	12	10-1/4
J1224ASD	3/4	12	11
J1226ASD	13/16	12	11-7/8
J1228ASD	7/8	12	12-1/2
J1230ASD	15/16	12	13-1/4
J1232ASD	1	12	14
J1234ASD	1-1/16	12	15-1/4
J1236ASD	1-1/8	12	15-7/8
J1240ASD	1-1/4	12	16-7/8
J25TR34C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Fractional sizes 11/32" and smaller do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 9.75

TORQUEPLUS FASTENING SYSTEM



15 PIECE METRIC COMBINATION ASD WRENCH SET - 12 POINT METRIC

Product #: J1200F-MASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1207MA	7	12	5-5/32
J1208MA	8	12	5-13/32
J1209MA	9	12	5-21/32
J1210MASD	10	12	5-29/32
J1211MASD	11	12	6-29/32
J1212MASD	12	12	7-45/64
J1213MASD	13	12	7-29/32
J1214MASD	14	12	8-13/16
J1215MASD	15	12	9-5/32
J1216MASD	16	12	9-35/64
J1217MASD	17	12	10-9/32
J1218MASD	18	12	10-11/16
J1219MASD	19	12	11-1/32
J1220MASD	20	12	11-27/64
J1221MASD	21	12	11-13/16
J25TR41C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 4.25

TORQUEPLUS FASTENING SYSTEM



15 PIECE METRIC COMBINATION ASD WRENCH SET - 12 POINT METRIC

Product #: J1200P-MASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1207MA	7	12	5-5/32
J1208MA	8	12	5-13/32
J1210MASD	10	12	5-29/32
J1212MASD	12	12	7-45/64
J1214MASD	14	12	8-13/16
J1216MASD	16	12	9-35/64
J1218MASD	18	12	10-11/16
J1220MASD	20	12	11-27/64
J1222MASD	22	12	12-17/32
J1224MASD	24	12	13-5/16
J1226MASD	26	12	14-41/64
J1228MASD	28	12	15-35/64
J1229MASD	29	12	15-55/64
J1230MASD	30	12	15-55/64
J1232MASD	32	12	16-59/64
J25TR41C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 4.25

TORQUEPLUS FASTENING SYSTEM



10 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200GASD

Contents	Size (in)	Point Count	Overall Length (in)
J1214ASD	7/16	12	7
J1216ASD	1/2	12	8
J1218ASD	9/16	12	8-7/8
J1220ASD	5/8	12	9-1/2
J1222ASD	11/16	12	10-1/4
J1224ASD	3/4	12	11
J1226ASD	13/16	12	11-7/8
J1228ASD	7/8	12	12-1/2
J1230ASD	15/16	12	13-1/4
J1232ASD	1	12	14
J25TR05C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 4.88

TORQUEPLUS FASTENING SYSTEM



10 PIECE METRIC COMBINATION ASD WRENCH SET - 12 POINT METRIC

Product #: J1200K-MASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1210MASD	10	12	5-29/32
J1211MASD	11	12	6-29/32
J1212MASD	12	12	7-45/64
J1213MASD	13	12	7-29/32
J1214MASD	14	12	8-13/16
J1215MASD	15	12	9-5/32
J1216MASD	16	12	9-35/64
J1217MASD	17	12	10-9/32
J1218MASD	18	12	10-11/16
J1219MASD	19	12	11-1/32
J25TR39C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.71

TORQUEPLUS FASTENING SYSTEM



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.

Made in USA Made in USA with global components

10 PIECE COMBINATION ASD WRENCH SET - 6 POINT

Product #: J1200GHASD

Contents	Size (in)	Point Count	Overall Length (in)
J1214HASD	7/16	6	7
J1216HASD	1/2	6	8
J1218HASD	9/16	6	8-7/8
J1220HASD	5/8	6	9-1/2
J1222HASD	11/16	6	10-1/4
J1224HASD	3/4	6	11
J1226HASD	13/16	6	11-7/8
J1228HASD	7/8	6	12-1/2
J1230HASD	15/16	6	13-1/4
J1232HASD	1	6	14
J25TR05C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 4.88

TORQUEPLUS FASTENING SYSTEM



10 PIECE METRIC COMBINATION ASD WRENCH SET - 6 POINT METRIC

Product #: J1200MHASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1210MHASD	10	6	5-29/32
J1211MHASD	11	6	6-29/32
J1212MHASD	12	6	7-45/64
J1213MHASD	13	6	7-29/32
J1214MHASD	14	6	8-13/16
J1215MHASD	15	6	9-5/32
J1216MHASD	16	6	9-35/64
J1217MHASD	17	6	10-9/32
J1218MHASD	18	6	10-11/16
J1219MHASD	19	6	11-1/32
J25TR39C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 3.46

TORQUEPLUS FASTENING SYSTEM



9 PIECE METRIC COMBINATION ASD WRENCH SET - 12 POINT METRIC

Product #: J1200H-MASD

Contents	Size (mm)	Point Count	Overall Length (in)
J1207MA	7	12	5-5/32
J1208MA	8	12	5-13/32
J1209MA	9	12	5-21/32
J1210MASD	10	12	5-29/32
J1211MASD	11	12	6-29/32
J1212MASD	12	12	7-45/64
J1213MASD	13	12	7-29/32
J1214MASD	14	12	8-13/16
J1215MASD	15	12	9-5/32
J25TR38C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 1.43

TORQUEPLUS FASTENING SYSTEM



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

8 PIECE SHORT COMBINATION WRENCH SET - 6 POINT

Product #: J1200EF

Contents	Size (in)	Point Count	Overall Length (in)
J1204EF	1/8	6	2-49/64
J1205EF	5/32	6	2-57/64
J1206EF	3/16	6	3-1/4
J1208EF	1/4	6	3-17/64
J1209EF	9/32	6	3-7/16
J1210EF	5/16	6	4-1/8
J1211EF	11/32	6	4-7/16
J1212EF	3/8	6	4-5/8
J25TR12C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Compact shank design and short length for access in confined spaces.
- 15° angled offset box end helps keep shank clear of obstructions.
- Standard open end.
- Weight (lbs): 0.35

TORQUEPLUS FASTENING SYSTEM



7 PIECE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200HASD

Contents	Size (in)	Point Count	Overall Length (in)
J1212ASD	3/8	12	6
J1214ASD	7/16	12	7
J1216ASD	1/2	12	8
J1218ASD	9/16	12	8-7/8
J1220ASD	5/8	12	9-1/2
J1222ASD	11/16	12	10-1/4
J1224ASD	3/4	12	11
J25TR37C	Tool Roll		

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.40

TORQUEPLUS FASTENING SYSTEM



FACOM® 16 PIECE METRIC COMBINATION SHORT WRENCH SET

Product #: FM-39.JE16T

Contents	Size (mm)	Point Count	Overall Length (in)
FM-39.3.2H	3.2	6	3-1/32
FM-39.4H	4	6	3-1/32
FM-39.5H	5	6	3-7/32
FM-39.5.5H	5.5	6	3-5/16
FM-39.6	6	12	3- 17/32
FM-39.7	7	12	3-17/32
FM-39.8	8	12	3-19/32
FM-39.9	9	12	3-27-32
FM-39.10	10	12	4-1/16
FM-39.11	11	12	4-9/32
FM-39.12	12	12	5
FM-39.13	13	12	5-9/16
FM-39.14	14	12	5-25/32
FM-39.15	15	12	5-31/32
FM-39.16	16	12	6-7/32
FM-39.17	17	12	6-1/2

FACOM® METRIC

- Short shank and compact heads help improve access to tight spots.
- Box end angled at 15°.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding the fastener.
- Fits 4, 6 and 12 point fasteners.
- Satin finish provides corrosion resistance and a slip-resistant grip.
- Weight (lbs): 1.58



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

SATIN COMBINATION WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Fractional sizes 11/32" and smaller and sizes 1-5/16" and larger do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208HA	1/4	19/64	39/64	3/16	27/64	15/64	4-7/8	0.04
J1210HA	5/16	5/16	45/64	3/16	33/64	17/64	5-3/8	0.08
J1211HA	11/32	11/32	25/32	3/16	17/32	7/32	5-5/8	0.08
J1212HASD	3/8	13/32	13/16	3/16	39/64	5/16	6	0.10
J1214HASD	7/16	17/32	15/16	15/64	43/64	21/64	7	0.14
J1216HASD	1/2	39/64	1-5/64	1/4	49/64	11/32	8	0.18
J1218HASD	9/16	11/16	1-3/16	9/32	27/32	23/64	8-7/8	0.21
J1220HASD	5/8	3/4	1-21/64	19/64	15/16	13/32	9-1/2	0.29
J1222HASD	11/16	13/16	1-29/64	5/16	1-1/64	7/16	10-1/4	0.35
J1224HASD	3/4	57/64	1-37/64	11/32	1-3/32	15/32	11	0.41
J1226HASD	13/16	31/32	1-11/16	23/64	1-11/64	1/2	11-7/8	0.54
J1228HASD	7/8	1-1/16	1-13/16	3/8	1-1/4	33/64	12-1/2	0.64
J1230HASD	15/16	1-1/8	1-29/32	13/32	1-27/64	37/64	13-1/4	0.74
J1232HASD	1	1-13/64	2-1/64	13/32	1-13/32	37/64	14	0.95
J1234HASD	1-1/16	1-9/32	2-9/64	45/64	1-31/64	39/64	15-1/4	1.13
J1236HASD	1-1/8	1-23/64	2-17/64	3/4	1-21/32	41/64	15-7/8	1.38
J1238HASD	1-3/16	1-23/64	2-25/64	3/4	1-21/32	21/32	15-7/8	1.54
J1240HASD	1-1/4	1-1/2	2-33/64	53/64	1-3/4	45/64	16-59/64	1.89

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SATIN METRIC COMBINATION WRENCHES - 6 POINT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Anti-Slip Design (ASD) open end.
- Metric Sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1206MHA	6	19/64	35/64	5/32	25/64	5/32	4-59/64	0.05
J1207MHA	7	19/64	39/64	11/64	7/16	3/16	4-53/64	0.06
J1208MHA	8	3/8	11/16	11/64	31/64	13/64	5-13/32	0.07
J1209MHA	9	13/32	49/64	3/16	17/32	7/32	5-21/32	0.08
J1210MHASD	10	31/64	7/8	7/32	41/64	5/16	5-29/32	0.13
J1211MHASD	11	17/32	59/64	15/64	11/16	21/64	6-29/32	0.14
J1212MHASD	12	9/16	1	1/4	47/64	21/64	7-45/64	0.17
J1213MHASD	13	39/64	1-1/32	11/32	25/32	1/4	7-29/32	0.18
J1214MHASD	14	11/16	1-3/16	9/32	55/64	23/64	8-13/16	0.22
J1215MHASD	15	3/4	1-1/4	19/64	57/64	23/64	9-5/32	0.25
J1216MHASD	16	49/64	1-21/64	5/16	15/16	13/32	9-35/64	0.26
J1217MHASD	17	53/64	1-29/64	21/64	1-1/32	7/16	10-9/32	0.38
J1218MHASD	18	55/64	1-33/64	11/32	1-5/64	7/16	10-11/16	0.41
J1219MHASD	19	29/32	1-37/64	11/32	1-7/64	31/64	11-1/32	0.46

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SATIN COMBINATION WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Fractional sizes 11/32" and smaller and sizes 1-5/16" and larger do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.

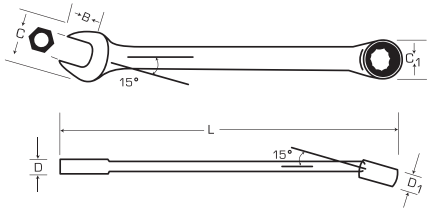


TORQUEPLUS FASTENING SYSTEM

Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208A	1/4	19/64	39/64	3/16	27/64	15/64	4-7/8	0.04
J1209A	9/32	23/64	41/64	3/16	29/64	7/32	5-5/32	0.06
J1210A	5/16	3/8	45/64	3/16	33/64	17/64	5-3/8	0.08
J1211A	11/32	13/32	25/32	3/16	17/32	7/32	5-5/8	0.08
J1212ASD	3/8	13/32	13/16	3/16	39/64	5/16	6	0.11
J1214ASD	7/16	17/32	15/16	15/64	43/64	21/64	7	0.14
J1216ASD	1/2	39/64	1-5/16	1/4	49/64	11/32	8	0.18
J1218ASD	9/16	11/16	1-3/16	9/32	3/4	23/64	8-7/8	0.21
J1220ASD	5/8	3/4	1-21/64	19/64	15/16	13/32	9-1/2	0.29
J1222ASD	11/16	13/16	1-29/64	5/16	1-1/64	7/16	10-1/4	0.35
J1224ASD	3/4	57/64	1-37/64	11/32	1-3/32	15/32	11	0.41
J1226ASD	13/16	31/32	1-11/16	23/64	1-11/64	1/2	11-7/8	0.54
J1228ASD	7/8	1-1/16	1-13/16	3/8	1-1/4	33/64	12-1/2	0.65
J1230ASD	15/16	1-1/8	1-29/32	13/32	1-27/64	37/64	13-1/4	0.74
J1232ASD	1	1-13/64	2-1/64	13/32	1-13/32	37/64	14	0.95
J1234ASD	1-1/16	1-9/32	2-9/64	29/64	1-31/64	39/64	15-1/4	1.13
J1236ASD	1-1/8	1-23/64	2-17/64	15/32	1-21/32	41/64	15-7/8	1.38
J1238ASD	1-3/16	1-23/64	2-25/64	3/4	1-21/32	21/32	15-7/8	1.54
J1240ASD	1-1/4	1-1/2	2-33/64	33/64	1-3/4	45/64	16-7/8	1.89
J1242	1-5/16	1-37/64	2-41/64	17/32	1-27/32	47/64	17-5/8	2.15
J1244	1-3/8	1-21/32	2-49/64	35/64	1-15/16	25/32	18-1/2	2.34
J1246	1-7/16	1-47/64	2-57/64	37/64	2-3/64	51/64	19-3/8	2.67
J1248	1-1/2	1-51/64	3-1/64	39/64	2-1/8	53/64	20-1/4	3.18
J1252	1-5/8	1-63/64	3-25/64	21/32	2-13/32	29/32	23	4.64
J1254	1-11/16	1-63/64	3-25/64	21/32	2-13/32	29/32	23	4.74
J1256	1-3/4	2-11/64	3-41/64	45/64	2-39/64	31/32	25	5.64
J1258	1-13/16	2-11/64	3-41/64	45/64	2-39/64	31/32	25	5.64
J1260	1-7/8	2-25/64	4-1/64	49/64	2-57/64	1-1/16	28	7.46
J1264	2	2-25/64	4-1/64	49/64	2-57/64	11/16	28	7.35
J1266	2-1/16	2-45/64	4-33/64	27/32	3-1/4	13/16	29-1/2	9.88
J1268	2-1/8	2-45/64	4-33/64	27/32	3-1/4	13/16	29-1/2	9.74
J1270	2-3/16	2-45/64	4-33/64	27/32	3-1/4	1-3/16	29-1/2	9.45
J1272	2-1/4	2-45/64	4-33/64	27/32	3-1/4	1-3/16	29-1/2	8.25
J1276	2-3/8	2-55/64	5	31/32	3-5/8	1-5/16	31-1/2	13.12
J1280	2-1/2	3	5	31/32	3-5/8	1-5/16	31-1/2	12.49

See pages 595 and 598 for larger sizes.

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SATIN METRIC COMBINATION WRENCHES - 12 POINT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Metric sizes 9 mm and smaller and sizes 36 mm and larger do not have the ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



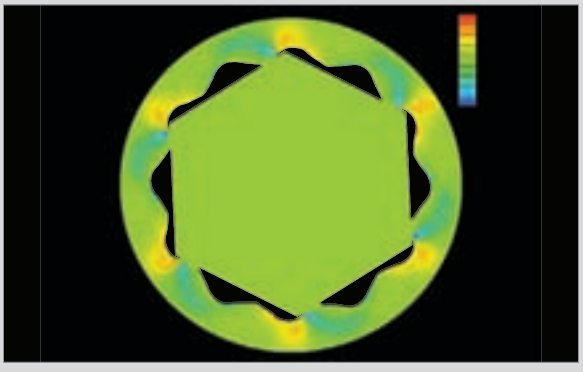
Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1206MA	6	19/64	35/64	5/32	25/64	5/32	4-29/32	0.05
J1207MA	7	5/16	19/32	11/64	13/32	15/64	5-5/32	0.06
J1208MA	8	25/64	11/16	3/16	1/2	17/64	5-13/32	0.07
J1209MA	9	13/32	3/4	3/16	35/64	17/64	5-21/32	0.08
J1210MASD	10	31/64	7/8	7/32	21/32	5/16	5-29/32	0.11
J1211MASD	11	33/64	59/64	15/64	11/16	21/64	6-29/32	0.15
J1212MASD	12	9/16	1	1/4	47/64	11/32	7-45/64	0.18
J1213MASD	13	39/64	1-1/32	1/4	25/32	11/32	7-29/32	0.21
J1214MASD	14	11/16	1-3/16	9/32	55/64	23/64	8-13/16	0.29
J1215MASD	15	3/4	1-1/4	19/64	7/8	23/64	9-5/32	0.25
J1216MASD	16	3/4	1-21/64	5/16	15/16	13/32	9-35/64	0.26
J1217MASD	17	53/64	1-25/64	21/64	1-1/32	7/16	10-9/32	0.38
J1218MASD	18	55/64	1-33/64	11/32	1-1/16	29/64	10-11/16	0.41
J1219MASD	19	29/32	1-37/64	11/32	1-7/64	15/32	11-1/32	0.46
J1220MASD	20	63/64	1-11/16	23/64	1-3/16	31/64	11-27/64	0.55
J1221MASD	21	63/64	1-11/16	23/64	1-3/16	31/64	11-13/16	0.54
J1222MASD	22	1-3/64	1-25/32	3/8	1-17/64	1/2	12-17/32	0.62
J1223MASD	23	1-1/8	1-57/64	13/32	1-11/32	35/64	12-59/64	0.77
J1224MASD	24	1-1/8	1-57/64	13/32	1-11/32	35/64	13-5/16	0.77
J1225MASD	25	1-13/64	2	27/64	1-27/64	19/32	14-1/16	0.85
J1226MASD	26	1-13/64	2-1/64	27/64	1-27/64	19/32	14-41/64	0.97
J1227MASD	27	1-7/32	2-9/64	29/64	1-31/64	39/64	15-15/64	1.17
J1228MASD	28	1-23/64	2-17/64	15/32	1-21/32	41/64	15-35/64	1.37
J1229MASD	29	1-23/64	2-17/64	15/32	1-21/32	41/64	15-55/64	1.39
J1230MASD	30	1-23/64	2-17/64	15/32	1-21/32	41/64	15-55/64	1.41
J1232MASD	32	1-1/2	2-33/64	33/64	1-49/64	45/64	16-59/64	1.82
J1236M	36	1-47/64	2-57/64	17/32	2-3/64	51/64	19-3/8	2.77
J1241M	41	2-1/64	3-25/64	41/64	2-27/64	59/64	23	4.34
J1246M	46	2-11/64	3-41/64	43/64	2-39/64	31/32	25	5.5
J1250M	50	2-25/64	4-1/64	47/64	2-57/64	1-1/16	28	6.97

See pages 595 and 599 for larger sizes.

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PRODUCT FEATURES AND BENEFITS — TORQUEPLUS FASTENING SYSTEM

- High performance drive configuration allows for quick and easy socket engagement to the fastener flats, not the corners.
- Employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SHORT SATIN COMBINATION WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 6 point box end allows for large wrench to fastener contact area which helps prevent rounding of the fastener.
- Compact shank design and short length for access in confined spaces.
- 15° angled offset box end helps keep shank clear of obstructions.
- Standard open end.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1204EF	1/8	11/64	11/32	1/8	9/32	1/8	2-49/64	0.01
J1205EF	5/32	13/64	13/32	1/8	19/64	1/8	2-57/64	0.01
J1206EF	3/16	15/64	15/32	1/8	11/32	5/32	3-1/4	0.02
J1207EF	7/32	1/4	1/8	1/8	3/8	5/32	3-1/8	0.02
J1208EF	1/4	19/64	9/16	5/32	27/64	3/16	3-17/64	0.03
J1209EF	9/32	21/64	5/8	5/32	7/16	3/16	3-7/16	0.04
J1210EF	5/16	3/8	11/16	5/32	1/2	1/4	4-1/8	0.04
J1211EF	11/32	25/64	47/64	3/16	17/32	1/4	4-7/16	0.05
J1212EF	3/8	7/16	53/64	3/16	37/64	1/4	4-5/8	0.07
J1214EF	7/16	33/64	7/8	7/32	5/8	9/32	5-1/16	0.12
J1216EF	1/2	19/32	1	7/32	3/4	5/16	5-1/4	0.16
J1218EF	9/16	43/64	1-1/8	1/4	51/64	11/32	5-7/8	0.16
J1220EF	5/8	47/64	1-17/64	9/32	57/64	3/8	6-3/16	0.17

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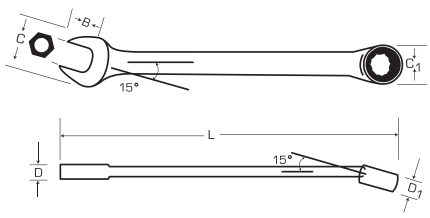
FACOM® SHORT SATIN METRIC COMBINATION WRENCHES - 6 POINT

FACOM METRIC

- Short shank and compact heads help improve access to tight spots.
- Box end angled at 15°.
- Satin finish provides corrosion resistance and a slip-resistant grip.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-39.3.2H	3.2	25/64	1/8	9/32	1/8	3-1/32	0.02
FM-39.4H	4	25/64	1/8	5/16	1/8	3-1/32	0.01
FM-39.5H	5	15/32	5/32	23/64	5/32	3-7/32	0.02
FM-39.5.5H	5.5	15/32	5/32	3/8	5/32	3-5/16	0.02



SHORT SATIN COMBINATION WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Compact shank design and short length for access in confined spaces.
- 15° angled offset box end helps keep shank clear of obstructions.
- Standard open end.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1208TF	1/4	19/64	17/32	1/8	25/64	5/16	3-1/4	0.02
J1209TF	9/32	21/64	5/8	5/32	7/16	3/16	3-7/16	0.04
J1210TF	5/16	3/8	41/64	3/16	5/32	7/32	3-1/2	0.04
J1211TF	11/32	25/64	47/64	3/16	17/32	1/4	4-7/16	0.05
J1212TF	3/8	7/16	3/4	13/64	35/64	1/4	4-5/8	0.07
J1214TF	7/16	33/64	7/8	15/64	5/8	17/64	5-1/16	0.10
J1216TF	1/2	19/32	1	1/4	23/64	19/64	5-11/16	0.11
J1218TF	9/16	43/64	1-1/8	9/32	51/64	21/64	5-13/16	0.16
J1220TF	5/8	47/64	1-17/64	23/64	57/64	11/32	6-3/16	0.18
J1222TF	11/16	13/16	1-25/64	11/32	31/32	3/8	7-1/16	0.23
J1224TF	3/4	57/64	1-33/64	3/8	1-3/64	13/32	8-1/16	0.33

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FACOM® SHORT SATIN METRIC COMBINATION WRENCHES - 12 POINT

FACOM® METRIC

- Short shank and compact heads help improve access to tight spots.
- Box end angled at 15°.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Satin finish provides corrosion resistance and a slip-resistant grip.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-39.6	6	19/32	5/32	13/32	13/64	3- 17/32	0.04
FM-39.7	7	19/32	5/32	29/64	13/64	3-17/32	0.03
FM-39.8	8	43/64	11/64	31/64	15/64	3-19/32	0.04
FM-39.9	9	49/64	3/16	35/64	15/64	3-27-32	0.05
FM-39.10	10	27/32	13/64	39/64	1/4	4-1/16	0.06
FM-39.11	11	15/16	13/64	21/32	17/64	4-9/32	0.08
FM-39.12	12	1-1/32	7/32	45/64	19/64	5	0.1
FM-39.13	13	1-7/64	15/64	49/64	5/16	5-9/16	0.12
FM-39.14	14	1-3/16	15/64	13/16	21/64	5-25/32	0.15
FM-39.15	15	1-17/64	1/4	7/8	23/64	5-31/32	0.17
FM-39.16	16	1-23/64	17/64	59/64	3/8	6-7/32	0.19
FM-39.17	17	1-7/16	17/64	63/64	25/64	6-1/2	0.23

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SATIN X-LARGE COMBINATION WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- For use on extra large fasteners.
- Used in Mining, Oil and Gas, Industrial Construction.
- Forged heads with machined openings.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point.
- Box end is countersunk for easy application to the fastener.



Product #	Size (in)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1282	2-9/16	4-1/2	3-5/8	1-9/16	29-3/4	13
J1284	2-9/16	4-3/4	3-3/4	1-5/8	29-3/4	13
J1288	2-3/4	4-3/4	3-3/4	1-5/8	29-3/4	13

SATIN X-LARGE METRIC COMBINATION WRENCHES - 12 POINT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- For use on extra large fasteners.
- Used in Mining, Oil and Gas, Industrial Construction.
- Forged heads with machined openings.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point.
- Box end is countersunk for easy application to the fastener.



Product #	Size (mm)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1255M	55	4-1/4	3-1/4	1-3/16	28-3/4	10
J1260M	60	4-1/2	3-5/8	1-9/16	29-3/4	13
J1265M	65	4-1/2	3-5/8	1-9/16	29-3/4	13
J1270M	70	4-3/4	3-3/4	1-5/8	29-3/4	13

15 PIECE METRIC BLACK OXIDE COMBINATION ASD WRENCH SET - 12 POINT

METRIC

Product #: J1200F-MBASD

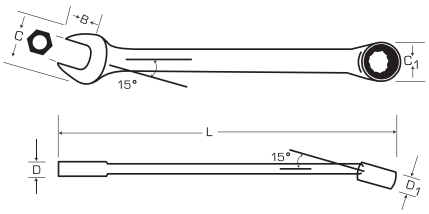
Contents	Size (mm)	Point Count	Overall Length (in)
J1207MBA	7	12	5-5/32
J1208MBA	8	12	5-13/32
J1209MBA	9	12	5-21/32
J1210MBASD	10	12	5-29/32
J1211MBASD	11	12	6-29/32
J1212MBASD	12	12	7-45/64
J1213MBASD	13	12	7-29/32
J1214MBASD	14	12	8-13/16
J1215MBASD	15	12	9-5/32
J1216MBASD	16	12	9-35/64
J1217MBASD	17	12	10-9/32
J1218MBASD	18	12	10-11/16
J1219MBASD	19	12	11-1/32
J1220MBASD	20	12	11-27/64
J1221MBASD	21	12	11-13/16
J25TR40C	Tool Roll		

ASME B107.100

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end. Metric sizes 9 mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 5.10

TORQUEPLUS FASTENING SYSTEM





FEATURES AND BENEFITS — ANTI-SLIP DESIGN

Wrenches with the Anti-Slip Design (ASD) apply force to the flat sides of the fasteners, and not the corners. This feature helps to prevent rounding, and permits higher torques.

14 PIECE BLACK OXIDE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200FBASD

Contents	Size (in)	Point Count	Overall Length (in)
J1212BASD	3/8	12	6
J1214BASD	7/16	12	7
J1216BASD	1/2	12	8-7/8
J1218BASD	9/16	12	8-7/8
J1220BASD	5/8	12	9-1/2
J1222BASD	11/16	12	10-1/4
J1224BASD	3/4	12	11
J1226BASD	13/16	12	11-7/8
J1228BASD	7/8	12	12-1/2
J1230BASD	15/16	12	13-1/4
J1232BASD	1	12	14
J1234BASD	1-1/16	12	15-1/4
J1238BASD	1-1/8	12	15-7/8
J1240BASD	1-1/4	12	16-7/8
J25TR41C	Tool Roll		

ASME B107.100

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 9.70

TORQUEPLUS FASTENING SYSTEM



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE BLACK OXIDE COMBINATION ASD WRENCH SET - 12 POINT

Product #: J1200HBASD

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.25

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J1212BASD	3/8	12	6
J1214BASD	7/16	12	7
J1216BASD	1/2	12	8-7/8
J1218BASD	9/16	12	8-7/8
J1220BASD	5/8	12	9-1/2
J1222BASD	11/16	12	10-1/4
J1224BASD	3/4	12	11
J25TR37C	Tool Roll		

ASME B107.100

BLACK OXIDE COMBINATION WRENCHES - 12 POINT

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- The box end is countersunk for easy application to the fastener.
- 15° angled offset box end helps keep shank clear of obstructions.
- Anti-Slip Design (ASD) open end.
- Sizes 1-5/16" and larger do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1212BASD	3/8	27/64	13/16	7/32	39/64	5/16	6	0.10
J1214BASD	7/16	17/32	15/16	1/4	43/64	21/64	7	0.22
J1216BASD	1/2	39/64	1-5/64	17/64	49/64	11/32	8-7/8	0.26
J1218BASD	9/16	11/16	1-3/16	19/64	27/32	23/64	8-7/8	0.21
J1220BASD	5/8	3/4	1-21/64	5/16	15/16	13/32	9-1/2	0.29
J1222BASD	11/16	13/16	1-29/64	11/32	1-1/4	7/16	10-1/4	0.35
J1224BASD	3/4	57/64	1-37/64	23/64	1-3/32	15/32	11	0.41
J1226BASD	13/16	31/32	1-11/16	3/8	1-11/64	1/2	11-7/8	0.54
J1228BASD	7/8	1-1/16	1-13/16	13/32	1-1/4	17/32	12-1/2	0.64
J1230BASD	15/16	1-1/8	1-29/32	1/8	1-11/32	9/16	13-1/4	0.74
J1232BASD	1	1-13/64	2-1/64	29/64	1-13/32	19/32	14	0.95
J1234BASD	1-1/16	1-9/32	2-9/64	15/32	1-31/64	5/8	15-1/4	1.13
J1236BASD	1-1/8	1-23/64	2-17/64	33/64	1-21/32	41/64	15-7/8	1.38
J1240BASD	1-1/4	1-1/2	2-33/64	17/32	1-3/4	45/64	16-7/8	1.89
J1242B	1-5/16	1-37/64	2-41/64	17/32	2-1/8	47/64	17-5/8	2.15
J1244B	1-3/8	1-21/32	2-49/64	35/64	1-15/76	25/32	18-1/2	2.34
J1246B	1-7/16	1-47/64	2-57/64	37/64	23/64	51/64	19-3/8	2.67
J1248B	1-1/2	1-3/4	3	5/8	2-1/8	53/64	20-1/8	2.15
J1252B	1-5/8	1-63/64	3-25/64	21/32	2-13/32	29/32	23	4.64
J1254B	1-11/16	1-63/64	3-25/64	21/32	2-13/32	29/32	23	4.74
J1256B	1-3/4	1-3/4	3-41/64	45/64	2-39//64	31/32	25	5.64
J1258B	1-13/16	1-13/16	3-41/64	45/64	2-39//64	31/32	25	5.59
J1260B	1-7/8	1-7/8	4-1/64	49/64	2-57/64	1-1/16	28	7.46
J1264B	2	2	4-1/64	49/64	2-57/64	1-1/16	28	7.35

See pages 595 and 598 for larger sizes.

AS 954 ASME B107.100

BLACK OXIDE METRIC COMBINATION WRENCHES - 12 POINT

METRIC

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- The box end is countersunk for easy application to the fastener.
- 15° angled offset box end helps keep shank clear of obstructions.
- Anti-Slip Design (ASD) open end.
- Inch sizes 1-5/16" and larger do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1207MBA	7	5/16	37/64	3/16	27/64	13/64	5-5/32	0.04
J1208MBA	8	25/64	11/16	13/64	17/32	9/32	5-13/32	0.07
J1209MBA	9	13/32	47/64	13/64	17/32	9/32	5-21/32	0.08
J1210MBASD	10	31/64	7/8	15/64	41/64	5/16	5-29/32	0.13
J1211MBASD	11	17/32	15/16	1/4	11/16	21/64	6-29/32	0.14
J1212MBASD	12	9/16	1-7/64	1/4	47/64	21/64	7-45/64	0.17
J1213MBASD	13	39/64	1-3/64	17/64	25/32	11/32	7-29/32	0.18
J1214MBASD	14	11/16	1-3/16	19/64	55/64	23/64	8-13/16	0.22
J1215MBASD	15	23/32	1-7/32	19/64	7/8	23/64	9-5/32	0.25
J1216MBASD	16	3/4	1-21/64	21/64	61/64	13/32	9-35/64	0.26
J1217MBASD	17	53/64	1-29/64	11/32	1-1/32	7/16	10-9/32	0.38
J1218MBASD	18	55/64	1-33/64	21/64	1-1/16	29/64	10-11/16	0.41
J1219MBASD	19	29/32	1-37/64	23/64	1-7/64	15/32	11-1/32	0.46
J1220MBASD	20	63/64	1-11/16	25/64	1-3/16	1/2	11-27/64	0.55
J1221MBASD	21	63/64	1-11/16	13/32	1-3/16	1/2	11-13/16	0.54
J1222MBASD	22	1-3/64	1-51/64	13/32	1-9/32	35/64	12-17/32	0.62
J1223MBASD	23	1-1/8	1-29/32	13/32	1-11/32	9/16	12-59/64	0.77
J1224MBASD	24	1-1/8	1-61/64	13/32	1-11/32	9/16	13-5/16	0.77

See pages 595 and 599 for larger sizes.

ASME B107.100

BLACK OXIDE X-LARGE COMBINATION WRENCHES - 12 POINT

- Black Oxide Finish.
- For use on extra large fasteners.
- Used in Mining, Oil and Gas, Industrial Construction.
- Forged heads with machined openings.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point.
- Box end is countersunk for easy application to the fastener.



Product #	Size (in)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1290	2-3/16	5-1/2	4-1/4	1-11/16	34	18
J1292	2-7/8	5-1/2	4-3/4	1-11/16	34	18
J1294	2-15/16	5-1/2	4-3/4	1-11/16	34	18
J1296	3	5-1/2	4-3/4	1-11/16	34	18
J1298	3-1/16	5-1/2	4-3/4	1-11/16	34	18
J12100	3-1/8	5-1/2	4-3/4	1-11/16	34	18
J12104	3-1/4	7	5-1/2	2-1/4	37	35
J12108	3-3/8	7	5-1/2	2-1/4	37	35
J12112	3-1/2	7	5-7/8	2-1/4	37	35
J12116	3-5/8	7	5-7/8	2-1/4	37	35
J12120	3-3/4	7	6-1/8	2-1/4	37	35
J12124	3-7/8	7	6-1/8	2-1/4	37	35
J12128	4	7	6-1/8	2-1/4	37	35

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK OXIDE X-LARGE METRIC COMBINATION WRENCHES - 12 POINT

METRIC



- Black Oxide Finish.
- For use on extra large fasteners.
- Used in Mining, Oil and Gas, Industrial Construction.
- Forged heads with machined openings.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point.
- Box end is countersunk for easy application to the fastener.

Product #	Size (mm)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1273M	73	5-1/2	4-3/4	1-11/16	34	18
J1275M	75	5-1/2	4-3/4	1-11/16	34	18
J1280M	80	5-1/2	4-3/4	1-11/16	34	18

7 PIECE FLEX-HEAD WRENCH SET - 12 POINT

Product #: J1270A

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Use the swiveling box end to break or cinch bolts in difficult locations.
- Heat-treated alloy steels produce a shank with high leverage.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.91

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Overall Length (in)
J1270-12	3/8	6
J1270-14	7/16	6-7/8
J1270-16	1/2	7-3/4
J1270-18	9/16	8-5/8
J1270-20	5/8	9-1/2
J1270-22	11/16	10-3/8
J1270-24	3/4	11-1/4
J25TR01C	Tool Roll	

4 PIECE FLEX-HEAD WRENCH SET - 12 POINT

Product #: J1270B

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Use the swiveling box end to break or cinch bolts in difficult locations.
- Heat-treated alloy steels produce a shank with high leverage.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 0.88

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Overall Length (in)
J1270-14	7/16	6-7/8
J1270-16	1/2	7-3/4
J1270-18	9/16	8-5/8
J1270-20	5/8	9-1/2
J25TR18C	Tool Roll	

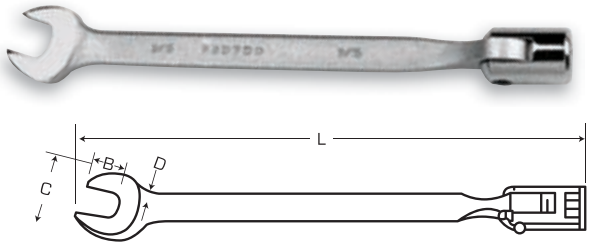
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SATIN COMBINATION FLEX-HEAD WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Use the swiveling box end to break or cinch bolts in difficult locations.
- Heat-treated alloy steels produce a shank with high leverage.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J1270-12	3/8	27/64	55/64	15/64	6	0.14
J1270-14	7/16	1/2	1	1/4	6-7/8	0.20
J1270-16	1/2	37/64	1-3/32	9/32	7-3/4	0.25
J1270-18	9/16	21/32	1-15/64	5/16	8-5/8	0.36
J1270-20	5/8	23/32	1-23/32	21/64	9-1/2	0.46
J1270-22	11/16	51/64	1-1/2	11/32	10-3/8	0.58
J1270-24	3/4	7/8	1-41/64	23/64	11-1/4	0.46
J1270-28	7/8	1-1/64	1-27/32	13/32	13	0.93

FACOM® 3 PIECE DOUBLE FLEX-HEAD SOCKET WRENCH SET

Product #: FF-66A.JU3

FACOM®

- Satin chrome finish.
- Spring-steadied pivoting 12 point socket.
- Strength to ISO 1711-1, DIN 899, NF ISO 1711-1.
- Weight (lbs): 1.55



Contents	Size (in)	Point Count	Overall Length (in)
FF-66A.1/2X9/1	1/2 x 9/16	12	9-1/4
FF-66A.3/8X7/1	3/8 x 7/16	12	6-1/2
FF-66A.5/8X3/4	5/8 x 3/4	12	11-1/4

FACOM® 9 PIECE DOUBLE FLEX-HEAD SOCKET WRENCH SET

Product #: FM-66A.JE9T

FACOM®

METRIC

- Satin chrome finish.
- Spring-steadied pivoting 12 point socket.
- Strength to ISO 1711-1, DIN 899, NF ISO 1711-1.
- Weight (lbs): 4.35



Contents	Size (mm)	Point Count	Overall Length (in)
FM-66A.6X7	6 X 7	12	7-11/16
FM-66A.8X9	8 X 9	12	7-11/16
FM-66A.10X11	10 X 11	12	7-7/8
FM-66A.12X13	12 X 13	12	9-1/4
FM-66A.14X15	14 X 15	12	9-1/4
FM-66A.16X17	16 X 17	12	9-7/16
FM-66A.18X19	18 X 19	12	11-7/32
FM-66A.20X22	20 X 22	12	11-7/32
FM-66A.21X23	21 X 23	12	11-13/32

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® SATIN DOUBLE FLEX-HEAD SOCKET WRENCHES - 12 POINT

- Satin chrome finish.
- Spring-steadied pivoting 12 point socket.
- Strength to ISO 1711-1, DIN 899, NF ISO 1711-1.



Product #	Size (in)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Overall Length (in)	Weight (lbs)
FF-66A.3/8X7/1	3/8 x 7/16	19/32	21/32	6-1/2	0.26
FF-66A.1/2X9/1	1/2 x 9/16	3/4	13/16	9-1/4	0.47
FF-66A.5/8X3/4	5/8 x 3/4	29/32	1-1/32	11-1/4	0.82

FACOM® SATIN METRIC DOUBLE FLEX-HEAD SOCKET WRENCHES - 12 POINT

- Satin chrome finish.
- Spring-steadied pivoting 12 point socket.
- Strength to ISO 1711-1, DIN 899, NF ISO 1711-1.



Product #	Size (mm)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Overall Length (in)	Weight (lbs)
FM-66A.6X7	6 X 7	19/32	29/64	7-11/16	0.20
FM-66A.8X9	8 X 9	19/32	35/64	7-11/16	0.21
FM-66A.10X11	10 X 11	45/64	21/32	7-7/8	0.24
FM-66A.12X13	12 X 13	53/64	3/4	9-1/4	0.42
FM-66A.14X15	14 X 15	29/32	55/64	9-1/4	0.44
FM-66A.16X17	16 X 17	29/32	15/16	9-7/16	0.49
FM-66A.18X19	18 X 19	63/64	1-1/32	11-7/32	0.77
FM-66A.20X22	20 X 22	1-5/64	1-13/64	11-7/32	0.76
FM-66A.21X23	21 X 23	1-1/8	1-15/64	11-13/32	0.82
FM-66A.24X27	24 X 27	1-19/64	1-7/16	13-3/16	1.15
FM-66A.30X32	30 X 32	1-19/32	1-11/16	13-1/8	1.32

10 PIECE FACOM® ANGLED SOCKET WRENCH SET

Product #: FF-75.JU10

Contents	Size (in)	Overall Length (in)
FF-75.5/16	5/16	4-31/64
FF-75.3/8	3/8	5-5/64
FF-75.7/16	7/16	5-23/64
FF-75.1/2	1/2	5-63/64
FF-75.9/16	9/16	6-21/32
FF-75.5/8	5/8	7-1/64
FF-75.11/16	11/16	7-43/64
FF-75.3/4	3/4	8-1/32
FF-75.13/16	13/16	8-45/64
FF-75.7/8	7/8	9-29/64

- Satin finish.
- Angle and through-hole design helps accommodate threaded rods or a bar for extra leverage, without affecting wrench strength.
- Deep recess at one end and open end socket at the other fit over protruding studs.
- Weight (lbs): 6.08



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FACOM® SATIN ANGLED OPEN-SOCKET WRENCHES - 6 POINT X 6 POINT

Product #	Size (in)	Overall Length (in)	Weight (lbs)
FF-75.1/4	1/4	4-1/64	0.07
FF-75.5/16	5/16	4-31/64	0.13
FF-75.3/8	3/8	5-5/64	0.20
FF-75.7/16	7/16	5-23/64	0.25
FF-75.1/2	1/2	5-63/64	0.38
FF-75.9/16	9/16	6-21/32	0.49
FF-75.5/8	5/8	7-1/64	0.62
FF-75.11/16	11/16	7-43/64	0.80
FF-75.3/4	3/4	8-1/32	0.94
FF-75.13/16	13/16	8-45/64	1.08
FF-75.7/8	7/8	9-29/64	1.38
FF-75.15/16	15/16	9-27/32	1.45
FF-75.1	1	10-5/8	1.75

- Satin finish.
- Angle and through-hole design helps accommodate threaded rods or a bar for extra leverage, without affecting wrench strength.
- Deep recess at one end and open end socket at the other fit over protruding studs.



FACOM® SATIN METRIC ANGLED OPEN-SOCKET WRENCHES - 12 POINT X 6 POINT

METRIC

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
FM-76.6	6	4-1/64	0.07
FM-76.7	7	4-11/64	0.09
FM-76.8	8	4-31/64	0.13
FM-76.9	9	4-51/64	0.14
FM-76.10	10	5-5/64	0.21
FM-76.11	11	5-23/64	0.25
FM-76.12	12	5-43/64	0.34
FM-76.13	13	5-63/64	0.39
FM-76.14	14	6-19/64	0.44
FM-76.15	15	6-21/32	0.50
FM-76.16	16	7-1/64	0.63
FM-76.17	17	7-23/64	0.69
FM-76.18	18	7-43/64	0.80
FM-76.19	19	8-1/32	0.95
FM-76.20	20	8-11/32	0.97
FM-76.21	21	8-45/64	1.08
FM-76.22	22	9-1/16	1.18
FM-76.23	23	9-29/64	1.38
FM-76.24	24	9-27/32	1.46
FM-76.25	25	10-15/64	1.73
FM-76.26	26	10-5/8	1.75
FM-76.27	27	11-1/32	2.09
FM-76.28	28	11-27/64	2.09
FM-76.29	29	11-13/16	2.31
FM-76.30	30	12-13/64	2.87
FM-76.31	31	12-19/32	3.05
FM-76.32	32	12-63/64	3.09
FM-76.33	33	13-25/64	3.26
FM-76.34	34	13-25/32	3.42
FM-76.35	35	14-11/64	3.59
FM-76.36	36	14-9/16	3.75
FM-76.38	38	15-23/64	4.59

- Satin finish.
- Angle and through-hole design helps accommodate threaded rods or a bar for extra leverage, without affecting wrench strength.
- Deep recess at one end and open end socket at the other fit over protruding studs.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE BOX WRENCH SET - 12 POINT

Product #: J1100R



- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 4.23

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Count	Overall Length (in)
J1170	5/16 x 3/8	12	6-15/16
J1171	7/16 x 1/2	12	8-1/16
J1172	9/16 x 5/8	12	9-7/16
J1173	11/16 x 3/4	12	11-1/8
J1174	13/16 x 7/8	12	13-1/8
J1175	15/16 x 1	12	15-1/8
J1176	1-1/16 x 1-1/8	12	17-1/2
J25TR32C	Tool Roll		

ASME B107.100

5 PIECE BOX WRENCH SET - 12 POINT

Product #: J1100G



- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.20

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Count	Overall Length (in)
J1170	5/16 x 3/8	12	6-15/16
J1171	7/16 x 1/2	12	8-1/16
J1172	9/16 x 5/8	12	9-7/16
J1173	11/16 x 3/4	12	11-1/8
J1174	13/16 x 7/8	12	13-1/8
J25TR04C	Tool Roll		

ASME B107.100

11 PIECE METRIC BOX WRENCH SET - 12 POINT

METRIC

Product #: J1100S-M

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Offset box end allows access to recessed fasteners and keeps hands clear of obstructions.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 7.40

TORQUEPLUS FASTENING SYSTEM



Contents	Size (mm)	Point Count	Overall Length (in)
J1050M	6 x 7	12	5-49/64
J1051M	8 x 9	12	6-49/64
J1053M	10 x 11	12	7-31/32
J1057M	12 x 13	12	8-55/64
J1061M	14 x 15	12	9-45/64
J1064M	16 x 18	12	10-11/16
J1065M	17 x 19	12	11-23/64
J1072M	21 x 24	12	13-25/64
J1073M	22 x 24	12	13-45/64
J1077M	27 x 30	12	15-59/64
J1079M	30 x 32	12	17-13/64
J25TR44C	Tool Roll		

ASME B107.100

7 PIECE METRIC BOX WRENCH SET - 12 POINT

METRIC

Product #: J1100D-M

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Offset box end allows access to recessed fasteners and keeps hands clear of obstructions.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 2.04

TORQUEPLUS FASTENING SYSTEM



Contents	Size (mm)	Point Count	Overall Length (in)
J1050M	6 x 7	12	5-49/64
J1051M	8 x 9	12	6-49/64
J1053M	10 x 11	12	7-31/32
J1057M	12 x 13	12	8-55/64
J1061M	14 x 15	12	9-45/64
J1064M	16 x 18	12	10-11/16
J1065M	17 x 19	12	11-23/64
J25TR43C	Tool Roll		

ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE OFFSET BOX WRENCH SET - 12 POINT

Product #: J1000G-500

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Offset box end allows access to recessed fasteners and keeps hands clear of obstructions.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 3.84

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J1012-500	3/8 x 7/16	12	7-3/4
J1016-500	1/2 x 9/16	12	8-7/8
J1018-500	9/16 x 5/8	12	9-1/2
J1022-500	11/16 x 3/4	12	11-3/16
J1026-500	13/16 x 7/8	12	12-11/16
J1030-500	15/16 x 1	12	14-3/8
J1034-500	1-1/16 x 1-1/8	12	16-3/4
J25TR32C	Tool Roll		

ASME B107.100

6 PIECE DEEP OFFSET BOX WRENCH SET - 12 POINT

Product #: J8100C

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- 60° deep offset helps improve access to deeply recessed fasteners.
- Offset handle helps keep knuckles clear of obstruction to help save time.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 3.33

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J8180	3/8 x 7/16	12	7-3/4
J8181	1/2 x 9/16	12	9
J8182	5/8 x 11/16	12	10-1/4
J8183A	11/16 x 13/16	12	11-1/2
J8184	3/4 x 7/8	12	12-3/4
J8185	15/16 x 1	12	14
J25TR19C	Tool Roll		

ASME B107.100

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

8 PIECE BLACK OXIDE BOX WRENCH SET - 12 POINT

Product #: J1100MB

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.
- Weight (lbs): 5.39

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J1120LB	5/16 x 3/8	12	6-15/16
J1125LB	7/16 x 1/2	12	8-1/16
J1130LB	9/16 x 5/8	12	9-7/16
J1135B	11/16 x 3/4	12	11-1/4
J1140B	13/16 x 7/8	12	13-7/8
J1145B	15/16 x 1	12	15-1/2
J1150B	1-1/16 x 1-1/8	12	17-1/4
J1151B	1-1/16 x 1-1/4	12	18-1/4
J25TR27C	Tool Roll		

FACOM® 5 PIECE METRIC OBSTRUCTION BOX WRENCH SET

FACOM® METRIC

Product #: FM-57.JE5

- Satin finish provides corrosion resitance and slip-resistant grip.
- Half-moon shape helps improve access to hidden, difficult to reach locations.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 1.80



Contents	Size (mm)	Point Count	Overall Length (in)
FM-57.10X12	10 x 12	12	5-5/8
FM-57.11X13	11 x 13	12	6-1/2
FM-57.14X17	14 x 17	12	7-17/32
FM-57.16X18	16 x 18	12	8-3/4
FM-57.19X22	19 x 22	12	9-31/32

FULL POLISH DOUBLE BOX WRENCHES - 12 POINT

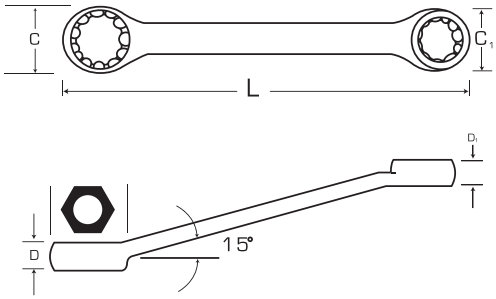
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1170	5/16 x 3/8	37/64	17/64	15/32	15/64	6-15/16	0.20
J1171	7/16 x 1/2	3/4	21/64	21/32	19/64	8-1/16	0.23
J1126L	1/2 x 9/16	7/8	3/8	3/4	23/64	8-3/8	0.24
J1172	9/16 x 5/8	15/16	25/64	27/32	23/64	9-7/16	0.41
J1173	11/16 x 3/4	17/64	29/64	11/64	27/64	11-1/8	0.53
J1139	3/4 x 7/8	1-1/4	33/64	1-1/8	33/64	13-1/8	0.65
J1174	13/16 x 7/8	1-19/64	33/64	1-3/16	31/64	13-1/8	0.65
J1175	15/16 x 1	1-15/32	37/64	1-25/64	35/64	15-1/8	0.90
J1176	1-1/16 x 1-1/8	1-37/64	5/8	1-1/2	19/32	17-1/2	1.54

AS954E S3.8.1 ASME B107.100



FACOM® FULL POLISH METRIC DOUBLE BOX WRENCHES - 12 POINT

- Slim rings and short shank for clearance.
- 12 point box ends allow for fine indexing, helping to improve speed and access.
- Straight pattern.
- Fits 4, 6 and 12 point fasteners.

FACOM® METRIC



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-59.6X7	6 X 7	25/64	3/16	7/16	3/16	3-15/16	0.05
FM-59.8X9	8 X 9	31/64	13/64	35/64	13/64	4-17/32	0.07
FM-59.10X11	10 x 11	39/64	1/4	21/32	1/4	5-3/64	0.11
FM-59.12X13	12 x 13	47/64	9/32	13/16	9/32	5-5/8	0.16
FM-59.14X15	14 x 15	53/64	9/32	57/64	9/32	6-3/16	0.21
FM-59.16X17	16 x 17	59/64	21/64	31/32	21/64	6-39/64	0.26
FM-59.18X19	18 x 19	1-1/32	23/64	1-5/64	23/64	7-7/16	0.32
FM-59.21X23	21 x 23	1-15/64	29/64	1-21/64	29/64	8-35/64	0.52
FM-59.22X24	22 X 24	1-15/64	29/64	1-21/64	29/64	8-35/64	0.51
FM-59.26X28	26 X 28	1-7/16	15/32	1-19/32	15/32	10-7/16	0.95
FM-59.27X29	27 X 29	1-17/32	1/2	1-45/64	1/2	11-7/32	0.92
FM-59.30X32	30 X 32	1-43/64	1/2	1-49/64	1/2	11-7/32	1.14

FULL POLISH DOUBLE BOX WRENCHES - SPLINE

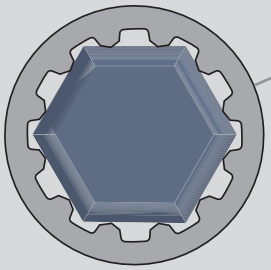
- Proto® Spline Tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline fasteners help tighten high strength bolts to high torque loads.
- They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners, helping prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.
- Full polish finish provides corrosion resistance and an easy to clean surface.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1118SPL	1/4 x 5/16	31/64	15/64	25/64	15/64	7-1/4	0.12
J1122SPL	3/8 x 7/16	43/64	23/64	37/64	21/64	8-1/4	0.18
J1126SPL	1/2 x 9/16	53/64	25/64	3/4	23/64	9-3/16	0.34
J1130SPL	9/16 x 5/8	59/64	29/64	53/64	25/64	9-3/4	0.4
J1135SPL	11/16 x 3/4	1-5/64	33/64	63/64	1/2	11	0.75
J1142SPL	13/16 x 15/16	1-23/64	37/64	1-5/32	17/32	12-3/4	1.03
J1144SPL	7/8 x 1	1-29/64	19/32	1-1/4	35/64	13-1/4	1.08

FEATURES AND BENEFITS — GRABBING ROUNDED HEADS

Spline End Wrenches are the better choice for working out a fastener with a rounded head. The tips of the spline always grab the fastener along the flat sides of the head, away from the damaged corners. You have a much better chance of getting a firmer grip that won't slip when you apply force.



SATIN DOUBLE BOX WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1151	1-1/16 x 1-1/4	1-3/4	45/64	1-1/2	5/8	18-1/4	1.82
J1155	1-1/4 x 1-5/16	1-7/8	47/64	1-3/4	3/4	19-1/4	1.97
J1160	1-1/4 x 1-3/8	1-15/16	3/4	1-3/4	3/4	20-1/4	2.22
J1162	1-7/16 x 1-1/2	2-1/8	13/16	2-3/64	51/64	22-1/4	2.98
J1164	1-5/8 x 1-11/16	2-3/8	29/32	2-13/32	29/32	24-1/2	3.74

AS954E S3.8.1 ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK OXIDE DOUBLE BOX WRENCHES - 12 POINT

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1120LB	5/16 x 3/8	37/64	17/64	15/32	15/64	6-15/16	0.15
J1125LB	7/16 x 1/2	3/4	21/64	21/32	19/64	8-1/16	0.18
J1126LB	1/2 x 9/16	57/64	25/64	13/16	3/8	8-7/16	0.24
J1130LB	9/16 x 5/8	15/16	25/64	27/32	23/64	9-7/16	0.28
J1135B	11/16 x 3/4	1-7/64	29/64	1-1/64	27/64	11-1/4	0.48
J1139B	3/4 x 7/8	1-1/4	33/64	1-1/8	33/64	13-1/8	0.65
J1140B	13/16 x 7/8	1-19/64	33/64	1-3/16	31/64	13-7/8	0.69
J1145B	15/16 x 1	1-29/64	37/64	1-3/8	35/64	15-1/2	0.99
J1150B	1-1/16 x 1-1/8	1-39/64	5/8	1-1/2	19/32	17-1/4	1.50
J1151B	1-1/16 x 1-1/4	1-3/4	39/64	1-1/2	45/64	18-1/4	1.82

AS954E S3.8.1

FULL POLISH OFFSET BOX WRENCHES - 12 POINT

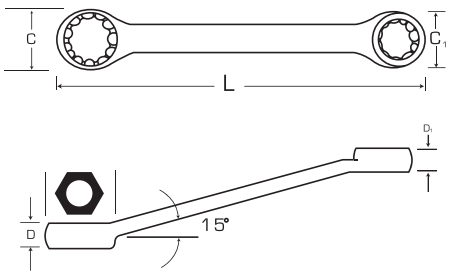
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Offset box end allows access to recessed fasteners and keeps hands clear of obstructions.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1012-500	3/8 x 7/16	21/32	5/16	37/64	19/64	7-3/4	0.11
J1016-500	1/2 x 9/16	53/64	23/64	3/4	11/32	8-7/8	0.20
J1018-500	9/16 x 5/8	59/64	13/32	53/64	23/64	9-1/2	0.27
J1022-500	11/16 x 3/4	1-3/32	15/32	1-1/64	29/64	11-3/16	0.40
J1026-500	13/16 x 7/8	1-1/4	33/64	1-11/64	31/64	12-11/16	0.67
J1030-500	15/16 x 1	1-13/32	37/64	1-21/64	35/64	14-3/8	0.88
J1034-500	1-1/16 x 1-1/8	1-9/16	41/64	1-31/64	41/64	16-3/4	1.15

AS954E S3.8.1 ASME B107.100



FULL POLISH METRIC OFFSET BOX WRENCHES - 12 POINT

METRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Offset box end allows access to recessed fasteners and keeps hands clear of obstructions.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Overall Length (in)	Weight (lbs)
J1050M	6 x 7	29/64	13/32	5-49/64	0.09
J1051M	8 x 9	35/64	31/64	6-49/64	0.11
J1053M	10 x 11	21/32	39/64	7-31/32	0.19
J1057M	12 x 13	3/4	45/64	8-55/64	0.28
J1058M	12 x 14	13/16	45/64	9-1/16	0.42
J1061M	14 x 15	7/8	13/16	9-45/64	0.39
J1064M	16 x 18	1-1/32	29/32	10-11/16	0.45
J1065M	17 x 19	1-5/64	63/64	11-23/64	0.59
J1068M	19 x 21	1-3/16	1-5/64	12-15/32	0.70
J1069M	19 x 22	1-17/64	1-5/64	12-15/32	0.70
J1072M	21 x 24	1-11/32	1-3/16	13-25/64	0.99
J1073M	22 x 24	1-11/32	1-17/64	13-45/64	0.94
J1077M	27 x 30	1-43/64	1-33/64	15-59/64	1.42
J1079M	30 x 32	1-25/32	1-43/64	17-13/64	1.76
				AS954E S3.8.1	ASME B107.100

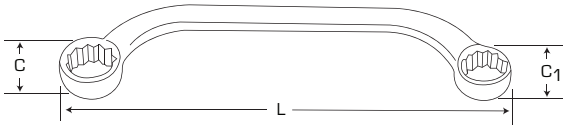
SATIN DEEP OFFSET BOX WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- 60° deep offset helps improve access to deeply recessed fasteners.
- Offset handle helps keep knuckles clear of obstruction to help save time.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J8180	3/8 x 7/16	39/64	5/16	45/64	11/32	7-3/4	0.19
J8181	1/2 x 9/16	51/64	23/64	57/64	23/64	9	0.32
J8182	5/8 x 11/16	31/32	13/32	1-1/32	7/16	10-1/4	0.44
J8183A	11/16 x 13/16	1-3/16	1/2	1-1/4	1/2	11-1/2	0.54
J8184	3/4 x 7/8	1-1/8	1/2	1-1/4	17/32	12-3/4	0.74
J8185	15/16 x 1	1-11/32	5/8	1-13/32	5/8	14	1.10
					AS954E S3.8.1		ASME B107.100



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SHORT SATIN DOUBLE BOX WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J1120	5/16 x 3/8	33/64	17/64	37/64	19/64	4-1/4	0.07
J1122	3/8 x 7/16	37/64	19/64	43/64	21/64	4-5/8	0.09
J1125	7/16 x 1/2	43/64	21/64	49/64	11/32	5	0.10
J1126	1/2 x 9/16	43/64	11/32	55/64	23/64	5-3/8	0.12
J1131	5/8 x 3/4	1-27/32	13/32	1-3/32	15/32	6-1/8	0.25

AS954E S3.8.1 ASME B107.100

SATIN OBSTRUCTION BOX WRENCHES - 12 POINT

- Satin chrome finish provides corrosion resistance and a slip-resistant grip.
- Made of forged steel then heat-treated.
- Curved half-moon shape helps improve access to hidden, difficult to reach locations.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Outside Head Width (in) (C)	Outside Head Width (in) (C1)	Overall Length (in)	Weight (lbs)
J1725	7/16 x 1/2	5/8	5/8	5-3/4	0.17
J1730	9/16 x 5/8	25/32	25/32	6-5/8	0.23
J1731	5/8 x 3/4	27/32	27/32	7-1/4	0.39

AS954E S3.8.1 ASME B107.100

FACOM® SATIN METRIC OBSTRUCTION BOX WRENCHES - 12 POINT

FACOM® METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Half-moon shape helps improve access to hidden, difficult to reach locations.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-57.10X12	10 x 12	43/64	5/16	49/64	5/16	5-5/8	0.15
FM-57.11X13	11 x 13	43/64	5/16	49/64	5/16	6-1/2	0.24
FM-57.13X15	13 x 15	25/32	21/64	29/32	23/64	7-15/32	0.35
FM-57.14X16	14 x 16	57/64	23/64	31/32	3/8	7-7/16	0.35
FM-57.14X17	14 x 17	57/64	23/64	31/32	3/8	7-17/32	0.34
FM-57.15X17	15 x 17	57/64	23/64	31/32	3/8	8-3/4	0.46
FM-57.16X18	16 x 18	15/16	3/8	1-1/16	25/64	8-3/4	0.45
FM-57.19X22	19 x 22	1-1/8	25/64	1-9/32	7/16	9-31/32	0.62

FACOM® INSULATED BOX WRENCHES - 12 POINT

- Insulated to 1000V or 1500 DC.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
FM-55.8AVSE	8	5/8	5/16	5/8	6-1/32	0.12
FM-55.9AVSE	9	43/64	23/64	43/64	6-1/2	0.13
FM-55.10AVSE	10	3/4	23/64	43/64	6-5/16	0.12
FM-55.11AVSE	11	25/32	25/64	3/4	6-11/16	0.15
FM-55.12AVSE	12	53/64	7/16	25/32	6-7/8	0.23
FM-55.13AVSE	13	29/32	15/32	25/32	7-3/32	0.22
FM-55.14AVSE	14	63/64	15/32	53/64	7-15/32	0.27
FM-55.15AVSE	15	1-1/32	15/32	53/64	7-11/16	0.29
FM-55.16AVSE	16	1-1/16	33/64	1-1/32	8-1/16	0.34
FM-55.17AVSE	17	1-3/16	35/64	1-1/16	7-7/8	0.34
FM-55.18AVSE	18	1-3/16	35/64	1-1/16	8-7/8	0.46
FM-55.19AVSE	19	1-17/64	35/64	1-1/16	9-1/4	0.49
FM-55.21AVSE	21	1-3/8	5/8	1-7/32	10-1/32	0.75

10 PIECE OPEN END WRENCH SET

Product #: J3000H

Contents	Size (in)	Overall Length (in)
J3018	1/4 x 5/16	4-31/64
J3020	5/16 x 3/8	5-1/8
J3025	7/16 x 1/2	6-3/8
J3026	1/2 x 9/16	7
J3030	9/16 x 5/8	7-5/8
J3031	5/8 x 3/4	8-9/16
J3035	11/16 x 3/4	8-7/8
J3040	13/16 x 7/8	10-1/8
J3045	15/16 x 1	11-1/2
J3050	1-1/16 x 1-1/8	12-5/8
J25TR05C	Tool Roll	
		ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.
- Weight (lbs): 4.82



10 PIECE BLACK OXIDE OPEN END WRENCH SET

Product #: J3000HB

Contents	Size (in)	Overall Length (in)
J3020B	5/16 x 3/8	5-1/4
J3025B	7/16 x 1/2	6-7/16
J3030B	9/16 x 5/8	7-47/64
J3035B	11/16 x 3/4	8-63/64
J3040B	13/16 x 7/8	10-15/64
J3045B	15/16 x 1	11-31/64
J3050B	1-1/16 x 1-1/8	12-3/8
J3055B	1-1/4 x 1-5/16	14-5/8
J3060B	1-3/8 x 1-7/16	15-7/8
J3070B	1-1/2 x 1-5/8	17-1/16
J25TR05C	Tool Roll	

- Non-reflective black oxide finish for use where non-plated products are required.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open-end configuration.
- Weight (lbs): 12.62



10 PIECE METRIC OPEN END WRENCH SET

METRIC

Product #: J30000A

Contents	Size (mm)	Overall Length (in)
J30607	6 x 7	4-1/2
J30809	8 x 9	5-1/8
J31011	10 x 11	5-3/4
J31213	12 x 13	6-3/8
J31415	14 x 15	7-19/32
J31617	16 x 17	8-15/64
J31819	18 x 19	8-55/64
J32022	20 x 22	9-31/64
J32123	21 x 23	10-1/8
J32426	24 x 26	11-3/8
J25TR28C	Tool Roll	

ASME B107.100

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.
- Weight (lbs): 3.93



6 PIECE METRIC OPEN END WRENCH SET

METRIC

Product #: J30000R

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.
- Weight (lbs): 1.63

Contents	Size (mm)	Overall Length (in)
J30809	8 x 9	5-1/8
J31011	10 x 11	5-3/4
J31213	12 x 13	6-3/8
J31415	14 x 15	7-19/32
J31617	16 x 17	8-15/64
J31819	18 x 19	8-55/64
J25TR25C	Tool Roll	

ASME B107.100



5 PIECE OPEN END WRENCH SET

Product #: J3000N

- Satin finish.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.
- Weight (lbs): 1.66

Contents	Size (in)	Overall Length (in)
J3021	3/8 x 7/16	5-3/4
J3026	1/2 x 9/16	7
J3030	9/16 x 5/8	7-5/8
J3035	11/16 x 3/4	8-7/8
J3040	13/16 x 7/8	10-1/8
J25TR06C	Tool Roll	

ASME B107.100



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Made in USA Made in USA with global components

5 PIECE METRIC OPEN END WRENCH SET

METRIC

Product #: J30000P-M

- Special heat-treated alloy steel permits slim shanks for strength and durability.
- 15° angled heads.
- Standard open end configuration.
- Weight (lbs): 1.92



Contents	Size (mm)	Overall Length (in)
J31011	10 x 11	5-3/4
J31213	12 x 13	6-3/8
J31415	14 x 15	7-19/32
J31819	18 x 19	8-55/64
J32123	21 x 23	10-1/8
J25TR06C	Tool Roll	

ASME B107.100

SATIN OPEN END WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3016	3/16 x 1/4	17/64	1/2	5/32	1/4	7/16	5/32	3-7/8	0.04
J3018	1/4 x 5/16	3/8	21/32	3/16	19/64	35/64	5/32	4-31/64	0.07
J3020	5/16 x 3/8	7/16	25/32	13/64	3/8	41/64	13/64	5-1/8	0.09
J3021	3/8 x 7/16	23/64	29/32	7/22	7/16	25/32	7/32	5-3/4	0.12
J3025	7/16 x 1/2	19/32	1-1/32	1/4	29/32	29/32	1/4	6-3/8	0.19
J3026	1/2 x 9/16	43/64	1-3/16	17/64	19/32	1-1/32	17/64	7	0.23
J3030	9/16 x 5/8	3/4	1-17/64	9/32	11/16	1-5/32	9/32	7-5/8	0.28
J3031	5/8 x 3/4	29/32	1-37/64	5/16	47/64	1-5/32	5/16	8-9/16	0.39
J3034	5/8 x 11/16	53/64	1-13/32"	5/16	3/4	1-9/32	5/16	8-1/4	0.35
J3035	11/16 x 3/4	29/32	1-37/64	21/64	53/64	1-13/32	21/64	8-7/8	0.47
J3037	11/16 x 25/32	57/64	1-37/64	21/64	53/64	1-13/32	21/64	8-7/8	0.46
J3039	3/4 x 7/8	1-1/16	1-25/32	11/32	29/32	1-37/64	11/32	9-1/2	0.6
J3040	13/16 x 7/8	1-3/64	1-25/32	23/64	63/64	1-21/32	23/64	10-1/8	0.62
J3045	15/16 x 1	1-13/64	2-1/64	13/32	1-1/8	1-29/32	13/32	11-1/2	0.92
J3050	1-1/16 x 1-1/8	1-23/64	2-17/64	29/64	1-9/32	2-5/32	29/64	12-5/8	1.24
J3051	1-1/16 x 1-1/4	1-31/64	2-33/64	15/32	1-9/32	2-5/32	15/32	13-9/16	1.47
J3055	1-1/4 x 1-5/16	1-9/16	2-21/32	33/64	1-31/64	2-33/64	33/64	14-1/2	1.87
J3060	1-3/8 x 1-7/16	1-23/32	2-57/64	35/64	1-41/64	2-23/32	35/64	15-3/4	2.59
J3070	1-1/2 x 1-5/8	1-15/16	3-17/64	39/64	1-25/32	2-61/64	39/64	17	3.31
J3075	1-11/16 x 1-13/16	2-3/16	3-41/64	45/64	2	3-25/64	45/64	18-1/2	4.71
J3080	1-7/8 x 2	2-3/8	4-1/32	49/64	2-11/64	3-41/64	45/64	20	6.38

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SATIN METRIC OPEN END WRENCHES

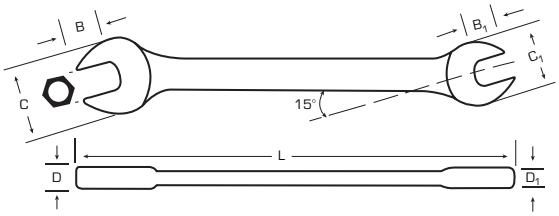
METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J30607	6 x 7	3/8	41/64	11/64	19/64	1/2	11/64	4-1/2	0.06
J30809	8 x 9	7/16	25/32	3/16	3/8	21/32	3/16	5-1/8	0.09
J31011	10 x 11	17/32	29/32	7/32	29/64	25/32	7/32	5-3/4	0.13
J31213	12 x 13	19/32	1-1/32	1/4	17/32	29/32	1/4	6-3/8	0.17
J31415	14 x 15	3/4	1-9/32	9/32	11/16	1-9/64	9/32	7-19/32	0.3
J31617	16 x 17	57/64	1-13/32	19/64	3/4	1-9/32	19/64	8-15/64	0.33
J31819	18 x 19	29/32	1-37/64	21/64	53/64	1-13/32	21/64	8-55/64	0.48
J32022	20 x 22	1-3/64	1-13/16	11/32	29/32	1-37/64	11/32	9-31/64	0.58
J32123	21 x 23	1-3/64	1-25/32	23/64	63/64	1-21/32	23/64	10-1/8	0.61
J32426	24 x 26	1-13/64	2-1/64	13/32	1-1/8	1-29/32	13/32	11-3/8	0.88

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BLACK OXIDE OPEN END WRENCHES

- Non-reflective black oxide finish for use where non-plated products are required.
- 15° angle heads.
- Special heat-treated alloy steel permits slim shanks for strength and durability.
- Standard open end configuration.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3020B	5/16 x 3/8	7/16	25/32	3/16	7/32	21/32	3/16	5-1/4	0.08
J3021B	3/8 x 7/16	33/64	29/32	7/32	29/64	25/32	7/32	5-7/8	0.12
J3025B	7/16 x 1/2	39/64	1-1/32	15/64	35/64	29/32	15/64	6-7/16	0.16
J3026B	1/2 x 9/16	11/16	1-3/16	1/4	19/32	1-1/32	1/4	7-7/64	0.22
J3030B	9/16 x 5/8	3/4	1-9/32	17/64	1-1/16	1-5/32	17/64	7-47/64	0.28
J3031B	5/8 x 3/4	29/32	1-37/64	19/64	3/4	1-5/32	19/64	8-43/64	0.38
J3035B	11/16 x 3/4	29/32	1-37/64	5/16	13/16	1-13/32	5/16	8-63/64	0.44
J3039B	3/4 x 7/8	1-3/64	1-17/64	21/64	29/32	1-37/64	21/64	9-39/64	0.50
J3040B	13/16 x 7/8	1-3/64	1-25/32	23/64	61/64	1-31/32	23/64	10-15/64	0.61
J3045B	15/16 x 1	1-13/64	2-1/64	31/64	1-1/8	1-29/32	31/64	11-31/64	0.88
J3050B	1-1/16 x 1-1/8	1-23/64	2-17/64	7/16	1-15/64	2-9/64	7/16	12-3/8	1.20
J3051B	1-1/16 x 1- 1/4	1-1/2	2-33/64	29/64	1-9/32	2-9/64	29/64	13-43/64	1.47
J3055B	1-1/4 x 1-5/16	1-37/64	2-41/64	1/2	1-1/2	2-33/64	1/2	14-5/8	1.87
J3060B	1-3/8 x 1-7/16	1-47/64	2-57/64	17/32	1-21/32	2-23/32	17/32	15-7/8	2.48
J3070B	1-1/2 x 1-5/8	1-61/64	3-1/64	39/64	1-51/64	2-61/64	39/64	17-1/16	3.07

EXTRA THIN SATIN OPEN END WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Ultra-thin profile and long handle produce improved access to hard-to-reach fasteners.
- Use when high leverage or distance from a hot assembly is required.
- Opening is designed to cover tappets, screws and lock nuts without excessive overhang which improves access.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3425	7/16 x 1/2	19/32	1-3/32	11/64	33/64	1-1/64	11/64	10	0.16
J3426	1/2 x 9/16	43/64	1-13/64	11/64	19/32	1-9/64	11/64	10	0.16
J3430	9/16 x 5/8	47/64	1-21/64	11/64	43/64	1-1/4	11/64	10	0.21
J3435	11/16 x 3/4	57/64	1-7/16	13/64	13/16	1-11/32	13/64	10	0.26
J3440	13/16 x 7/8	1-1/32	1-49/64	13/64	31/32	1-11/16	13/64	10	0.33

FACOM® 5 PIECE SHORT OPEN END WRENCH SET

Product #: FF-22.JU5T

- Short shank and slim heads for access in confined spaces.
- Weight (lbs): 0.22



Contents	Size (in)	Overall Length (in)
FF-22.1/2X9/16	1/2 x 9/16	4-11/32
FF-22.11/32X7/	11/32 x 7/16	3-15/16
FF-22.3/16X1/4	3/16 x 1/4	3-11/32
FF-22.5/16X3/8	5/16 x 3/8	3-17/32
FF-22.7/32X9/3	7/32 x 9/32	3-11/32

FACOM® 6 PIECE METRIC SHORT OPEN END WRENCH SET

Product #: FM-22.JE6T

- Short shank and slim heads for access in confined spaces.
- Weight (lbs): 0.23



Contents	Size (mm)	Overall Length (in)
FM-22.3.2X5.5	3.2 x 5.5	2-9/32
FM-22.4X5	4 x 5	2-9/32
FM-22.6X7	6 x 7	3-5/16
FM-22.8X9	8 x 9	3-1/2
FM-22.10X11	10 x 11	3-7/8
FM-22.12X13	12 x 13	4-5/16

FACOM® SHORT SATIN OPEN END WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Short shank and slim heads for access in confined spaces.
- Standard open end configuration.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FF-22.3/16X1/4	3/16 x 1/4	35/64	1/8	5/8	1/8	3-11/32	0.03
FF-22.7/32X9/3	7/32 x 9/32	35/64	1/8	5/8	1/8	3-11/32	0.03
FF-22.5/16X3/8	5/16 x 3/8	45/64	1/8	25/32	1/8	3-17/32	0.03
FF-22.11/32X7/	11/32 x 7/16	53/64	1/8	29/32	1/8	3-15/16	0.05
FF-22.1/2X9/16	1/2 x 9/16	1-1/32	3/32	1-7/64	3/32	4-11/32	0.08

FACOM® SHORT SATIN METRIC OPEN END WRENCHES

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Short shank and slim heads for access in confined spaces.
- Standard open end configuration.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-22.3.2X5.5	3.2 x 5.5	25/64	3/32	33/64	3/32	2-9/32	0.01
FM-22.4X5	4 x 5	25/64	3/32	33/64	3/32	2-9/32	0.02
FM-22.6X7	6 x 7	35/64	3/32	5/8	3/32	3-5/16	0.03
FM-22.8X9	8 x 9	45/64	1/8	25/32	1/8	3-1/2	0.04
FM-22.10X11	10 x 11	53/64	1/8	29/32	1/8	3-7/8	0.05
FM-22.12X13	12 x 13	1-1/32	1/8	1-7/64	1/8	4-5/16	0.08

14 PIECE ANGLE OPEN END WRENCH SET

Product #: J3100B

Contents	Size (in)	Overall Length (in)
J3112	3/8	4-3/4
J3114	7/16	5
J3116	1/2	5-1/4
J3118	9/16	5-5/8
J3120	5/8	6
J3122	11/16	6-1/2
J3124	3/4	7
J3126	13/16	7-1/2
J3128	7/8	8
J3130	15/16	8-3/4
J3132	1	9-1/2
J3134	1-1/16	10-1/4
J3136	1-1/8	11
J3140	1-1/4	12-1/4
J25TR08C	Tool Roll	

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- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Double nickel strike for rust resistance and prolonged life.
- 15° and 60° angle heads.
- Weight (lbs): 5.58



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

11 PIECE METRIC ANGLE OPEN END WRENCH SET

METRIC

Product #: J3100M

Contents	Size (mm)	Overall Length (in)
J3109M	9	4-3/4
J3110M	10	4-7/8
J3111M	11	5
J3112M	12	5-1/4
J3113M	13	5-1/2
J3114M	14	5-5/8
J3115M	15	5-15/16
J3116M	16	6-1/8
J3117M	17	6-1/2
J3118M	18	6-3/4
J3119M	19	7
J25TR13C	Tool Roll	

ASME B107.100

- Full polish finish provides corrosion and easy to clean surfaces.
- 15° and 60° angle heads allow wrench to be used in four different turning angles for greater access in tight work areas.
- Weight (lbs): 1.79



7 PIECE ANGLE OPEN END WRENCH SET

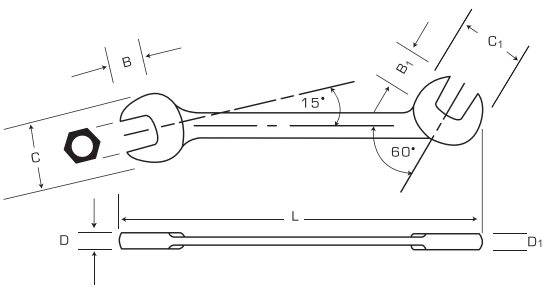
Product #: J3100A

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 15° and 60° angle heads allow wrench to be used in four different turning angles for greater access in tight work areas.
- Weight (lbs): 1.02

Contents	Size (in)	Overall Length (in)
J3112	3/8	4-3/4
J3114	7/16	5
J3116	1/2	5-1/4
J3118	9/16	5-5/8
J3120	5/8	6
J3122	11/16	6-1/2
J3124	3/4	7
J25TR07C	Tool Roll	

ASME B107.100





WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FULL POLISH ANGLE OPEN END WRENCHES

- Full polish finish provides corrosion and easy to clean surfaces.
- Double nickel strike for rust resistance and prolonged life.
- 15° and 60° angle heads combined with the same size opening on both ends allow wrench to be used in four different turning angles for greater access in tight work areas.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3112	3/8	13/32	3/4	13/64	13/32	3/4	13/64	4-3/4	0.06
J3114	7/16	15/32	7/8	13/64	15/32	7/8	13/64	5	0.08
J3116	1/2	35/64	1	15/64	35/64	1	15/64	5-1/4	0.10
J3118	9/16	39/64	1-7/64	15/64	39/64	1-7/64	15/64	5-5/8	0.14
J3120	5/8	21/32	1-7/32	17/64	21/32	1-7/32	17/64	6	0.17
J3122	11/16	23/32	1-21/64	17/64	23/32	1-21/64	17/64	6-1/2	0.21
J3124	3/4	25/32	1-7/16	9/32	25/32	1-7/16	9/32	7	0.26
J3126	13/16	27/32	1-9/16	19/64	27/32	1-9/16	19/64	7-1/2	0.50
J3128	7/8	57/64	1-21/32	5/16	57/64	1-21/32	5/16	8	0.61
J3130	15/16	31/32	1-25/32	21/64	31/32	1-25/32	21/64	8-3/4	0.71
J3132	1	1-1/32	1-59/64	11/32	1-1/32	1-59/64	11/32	9-1/2	0.88
J3134	1-1/16	1-1/16	2-1/64	23/64	1-1/16	2-1/64	23/64	10-1/4	1.04
J3136	1-1/8	1-1/8	2-1/8	3/8	1-1/8	2-1/8	3/8	11	1.20
J3140	1-1/4	1-1/4	2-11/32	13/32	1-1/4	2-11/32	13/32	12-1/4	1.47
J3142	1-5/16	1-5/16	2-29/64	27/64	1-5/16	2-29/64	27/64	13-1/8	1.87
J3144	1-3/8	1-13/32	2-37/64	7/16	1-13/32	2-37/64	7/16	13-3/4	2.17
J3146	1-7/16	1-13/32	2-5/8	29/64	1-13/32	2-5/8	29/64	14	2.48
J3148	1-1/2	1-31/64	2-3/4	15/32	1-31/64	2-3/4	15/32	14-1/2	2.77
J3152	1-5/8	1-43/64	3-1/64	1/2	1-43/64	3-1/64	1/2	15	3.07
J3156	1-3/4	1-31/32	3-31/64	33/64	1-31/32	3-31/64	33/64	17	3.81
J3158	1-13/16	1-63/64	3-31/64	33/64	1-63/64	3-31/64	33/64	18-3/8	4.56
J3160	1-7/8	2-7/32	3-29/32	21/32	2-7/32	3-29/32	21/32	19-3/4	5.24
J3164	2	2-9/32	3-29/32	21/32	29/32	3-29/32	21/32	21-1/4	5.92

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FULL POLISH METRIC ANGLE OPEN END WRENCHES

METRIC

- Full polish finish provides corrosion and easy to clean surfaces.
- 15° and 60° angle heads allow wrench to be used in four different turning angles for greater access in tight work areas.



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3109M	9	13/32	49/64	13/64	13/32	49/64	13/64	4-3/4	0.06
J3110M	10	7/16	13/16	13/64	7/16	13/16	13/64	4-7/8	0.07
J3111M	11	15/32	7/8	7/32	15/32	7/8	7/32	5	0.08
J3112M	12	1/2	59/64	15/64	1/2	59/64	15/64	5-1/4	0.10
J3113M	13	17/32	63/64	15/64	17/32	63/64	15/64	5-1/2	0.13
J3114M	14	39/64	1-7/64	1/4	39/64	1-7/64	1/4	5-5/8	0.14
J3115M	15	5/8	1-5/32	17/64	5/8	1-5/32	17/64	5-15/16	0.16
J3116M	16	21/32	1-7/32	17/64	21/32	1-7/32	17/64	6-1/8	0.19
J3117M	17	47/64	1-11/32	9/32	47/64	1-11/32	9/32	6-1/2	0.21
J3118M	18	23/32	1-11/32	9/32	23/32	1-11/32	9/32	6-3/4	0.24
J3119M	19	25/32	1-7/16	9/32	25/32	1-7/16	9/32	7	0.26

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FACOM® 16 PIECE METRIC SHORT ANGLE OPEN END WRENCH SET

Product #: FM-34.JL16T

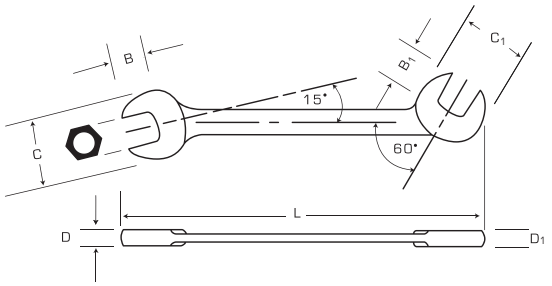
FACOM

METRIC

Contents	Size (mm)	Overall Length (in)
FM-34.3.2	3.2	2-3/4
FM-34.4	4	2-3/4
FM-34.5	5	2-61/64
FM-34.5.5	5.5	2-61/64
FM-34.6	6	3-5/32
FM-34.7	7	3-5/32
FM-34.8	8	3-35/64
FM-34.9	9	3-35/64
FM-34.10	10	3-15/16
FM-34.11	11	3-15/16
FM-34.12	12	3-15/16
FM-34.13	13	4-23/32
FM-34.14	14	4-23/32
FM-34.15	15	5-33/64
FM-34.16	16	5-33/64
FM-34.17	17	5-33/64

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 75° angled heads for fasteners out of standard-tool reach.
- Short shanks and slim heads.
- Standard open end configuration.
- Weight (lbs): 1.12





9 PIECE SHORT ANGLE OPEN END WRENCH SET

Product #: J3300A

Contents	Size (in)	Overall Length (in)
J3314	7/32	3
J3315	15/64	3
J3316	1/4	3
J3318	9/32	3-1/2
J3320	5/16	3-1/2
J3322	11/32	3-3/4
J3324	3/8	3-3/4
J3328	7/16	4-7/16
J3332	1/2	4-7/16
J25TR26C	Tool Roll	

- Satin finish.
- 15° and 75° angle heads.
- Compact shank design and short length for access in confined spaces.
- Standard open end configuration.
- Weight (lbs): 0.46



SHORT SATIN ANGLE OPEN END WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 75° angle heads allow wrench to be used in four different turning angles for greater access in tight work spaces.
- Compact shank design and short length for access in confined spaces.
- Standard open end configuration.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3314	7/32	11/64	1/2	7/64	11/64	1/2	7/64	3	0.03
J3315	15/64	11/64	1/2	7/64	11/64	1/2	7/64	3	0.03
J3316	1/4	11/64	1/2	7/64	11/64	1/2	7/64	3	0.03
J3318	9/32	3/16	19/32	5/32	3/16	19/32	5/32	3-1/2	0.04
J3320	5/16	3/16	19/32	5/32	3/16	19/32	5/32	3-1/2	0.04
J3322	11/32	1/4	3/4	5/32	1/4	3/4	5/32	3-3/4	0.05
J3324	3/8	1/4	3/4	5/32	1/4	3/4	5/32	3-3/4	0.05
J3328	7/16	11/32	1	11/64	11/32	1	11/64	4-7/16	0.08
J3332	1/2	11/32	1	11/64	11/32	1	11/64	4-7/16	0.08
J3336	9/16	13/32	1-5/32	3/16	13/32	1-5/32	3/16	5-3/4	0.10
J3340	5/8	13/32	1-5/32	3/16	13/32	1-5/32	3/16	5-3/4	0.10

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FACOM® SHORT SATIN METRIC ANGLE OPEN END WRENCHES

- Satin finish provides corrosion resistance and slip-resistant grip.
- 15° and 75° angled heads for fasteners out of standard tool reach.
- Short shanks and slim heads.
- Standard open end configuration.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-34.3.2	3.2	25/64	3/32	25/64	3/32	2-3/4	0.01
FM-34.4	4	25/64	3/32	25/64	3/32	2-3/4	0.01
FM-34.5	5	33/64	3/32	33/64	3/32	2-61/64	0.02
FM-34.5.5	5.5	33/64	7/64	33/64	7/64	2-61/64	0.02
FM-34.6	6	19/32	7/64	19/32	7/64	3-5/32	0.02
FM-34.7	7	19/32	1/8	19/32	1/8	3-5/32	0.02
FM-34.8	8	47/64	1/8	47/64	1/8	3-35/64	0.04
FM-34.9	9	47/64	1/8	47/64	1/8	3-35/64	0.04
FM-34.10	10	55/64	1/8	55/64	1/8	3-15/16	0.05
FM-34.11	11	55/64	1/8	55/64	1/8	3-15/16	0.05
FM-34.12	12	1-1/16	9/64	1-1/16	9/64	3-15/16	0.08
FM-34.13	13	1-1/16	9/64	1-1/16	9/64	4-23/32	0.08
FM-34.14	14	1-1/16	9/64	1-1/16	9/64	4-23/32	0.08
FM-34.15	15	1-19/64	11/64	1-19/64	11/64	5-33/64	0.15
FM-34.16	16	1-19/64	11/64	1-19/64	11/64	5-33/64	0.14
FM-34.17	17	1-19/64	11/64	1-19/64	11/64	5-33/64	0.14

6 PIECE FACOM® METRIC TAPPET WRENCH SET

Product #: FM-31.JE6T

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Used to tighten collars, lock nut rings and help seal packing nuts on hydraulic cylinders.
- Ultra thin profile for use in close quarters.
- Openings designed to cover tappets, screws and lock nuts with excessive overhang which helps improve access.
- For use in low torque applications.
- Standard open end configuration.
- Weight (lbs): 1.63

Contents	Size (mm)	Overall Length (in)
FM-31.8X9	8 x 9	6-57/64
FM-31.10X11	10 x 11	6-57/64
FM-31.12X13	12 x 13	8-17/64
FM-31.14X15	14 x 15	8-17/64
FM-31.16X17	16 x 17	9-27/32
FM-31.18X19	18 x 19	9-27/32



FACOM® SATIN METRIC TAPPET OPEN END WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Used to tighten collars, lock nut rings and help seal packing nuts on hydraulic cylinders.
- Ultra thin profile for use in close quarters.
- Openings designed to cover tappets, screws and lock nuts with excessive overhang which helps improve access.
- For use in low torque applications.
- Standard open end configuration.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
FM-31.6X7	6 x 7	5/8	5/8	3/4	5/8	5-53/64	0.06
FM-31.8X9	8 x 9	25/32	25/32	31/32	25/32	6-57/64	0.08
FM-31.10X11	10 x 11	25/32	13/16	63/64	13/16	6-57/64	0.08
FM-31.12X13	12 x 13	1-7/64	1-3/32	1-19/64	1-3/32	8-17/64	0.17
FM-31.14X15	14 x 15	1-9/64	1-5/32	1-19/64	1-5/32	8-17/64	0.17
FM-31.16X17	16 x 17	1-33/64	1-17/32	1-11/16	1-17/32	9-27/32	0.31
FM-31.18X19	18 x 19	1-33/64	1-17/32	1-11/16	1-17/32	9-27/32	0.30

13 PIECE IGNITION SET

Product #: J3200C

Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J000D	Ignition Feeler Gauge Set	
J235	Ignition Pliers	
J2302	Ignition Point File	
J9853	Screw Start	
66-101	Pocket Screwdriver	
J25TR10C	Tool Roll	

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 60° angle heads combined with the same opening size on both ends allows the wrench to be used in four different turning angles.
- Standard open end wrench configuration.
- Weight (lbs): 0.67

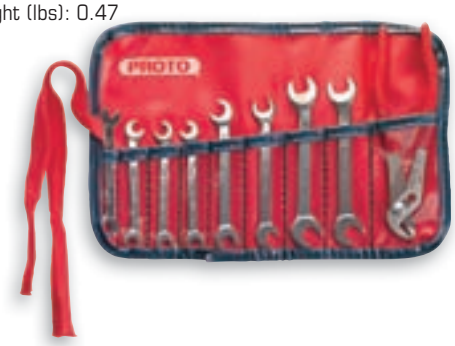


9 PIECE IGNITION SET

Product #: J3200D

Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J235	Ignition Pliers	
J25TR09C	Tool Roll	

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 60° angle heads combined with the same opening size on both ends allow the wrench to be used in four different turning angles.
- Standard open end wrench configuration.
- Weight (lbs): 0.47



IGNITION WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 60° angle heads combined with the same opening size on both ends allow the wrench to be used in four different turning angles.
- Standard open end configuration.



Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3210	13/64 x 15/64	15/64	1/2	7/64	15/64	1/2	7/64	3	0.02
J3211	15/64 x 13/64	15/64	1/2	7/64	15/64	1/2	7/64	3	0.02
J3215	7/32 x 1/4	15/64	1/2	7/64	15/64	1/2	7/64	3	0.02
J3216	1/4 x 7/32	15/64	1/2	7/64	15/64	1/2	7/64	3	0.02
J3220	9/32 x 5/16	5/16	19/32	5/32	5/16	19/32	5/32	3-1/2	0.03
J3221	5/16 x 9/32	5/16	19/32	5/32	5/16	19/32	5/32	3-1/2	0.03
J3225	11/32 x 3/8	3/8	3/4	5/32	3/8	47/64	5/32	3-3/4	0.05
J3226	3/8 x 11/32	3/8	3/4	5/32	3/8	3/4	5/32	3-3/4	0.05

BLACK OXIDE CHECK NUT WRENCHES

- Use check nut wrenches to tighten jam nuts, check nuts or lock nuts.
- In confined spaces, the 15° head allows for a full 30° rotation by flipping wrench over.
- Ultra thin profile improves access in close quarters.
- Non-reflective black oxide finish for use where non-plated products are required.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
JKE14	7/16	1	7/32	4	0.05
JKE16	1/2	1	7/32	4	0.05
JKE18	9/16	1-9/32	7/32	4-1/2	0.11
JKE19	19/32	1-9/32	7/32	4-1/2	0.11
JKE20	5/8	1-1/2	7/32	5-1/8	0.13
JKE22	11/16	1-1/2	7/32	5-1/8	0.13
JKE24	3/4	1-23/32	9/32	6-1/8	0.19
JKE26	13/16	2	9/32	6-5/8	0.28
JKE28	7/8	1-25/32	9/32	6-5/8	0.28
JKE30	15/16	2	9/32	7-1/2	0.36
JKE32	1	2	9/32	7-1/2	0.35
JKE34	1-1/16	2-13/32	9/32	8-1/2	0.66
JKE36	1-1/8	2-13/32	9/32	8-1/2	0.65
JKE40	1-1/4	2-23/32	13/32	10	1.12
JKE42	1-5/16	2-23/32	13/32	10	1.12
JKE48	1-1/2	3-7/32	13/32	11-3/8	1.50
JKE52	1-5/8	3-1/2	13/32	13	2.30
JKE54	1-11/16	3-7/16	1/2	13	2.20

THE STORY BEHIND CHECK NUT WRENCHES



The Check Nut Wrench tightens fasteners (sometimes called Lock Nuts or Jam Nuts) that lock other fasteners in place. The thin profile is used to squeeze into a tight space, or to rotate a fastener without moving the one next to it.

Check Nut Wrenches approach the fastener almost straight-on. The slight angle makes it easier for both left- and right-handed work.

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SATIN SERVICE WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 30° angle head allows access to difficult to reach fasteners.
- Thin pattern for use on jam nuts, check nuts or lock nuts.
- Short shank allows for use in confined spaces.



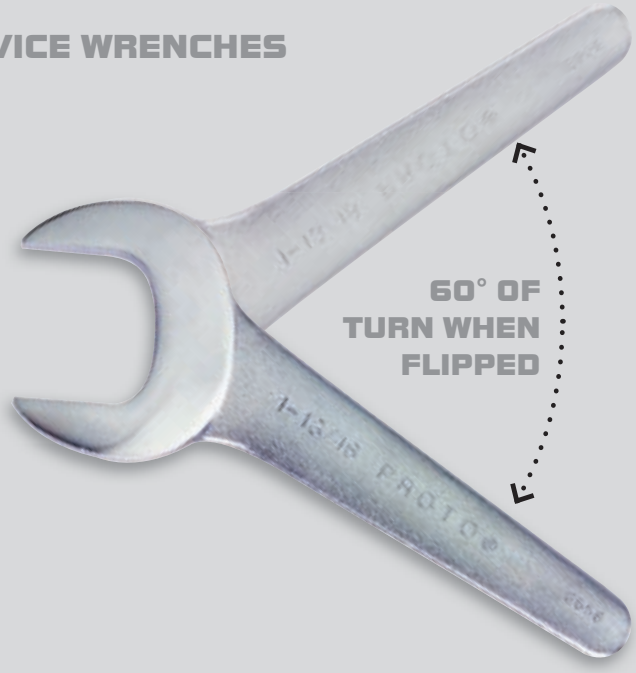
Product #	Size (in)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J3524	3/4	7/32	1-11/16	1/4	6-1/4	0.22
J3526	13/16	7/32	1-11/16	1/4	6-1/4	0.22
J3528	7/8	7/32	1-11/16	1/4	6-1/4	0.22
J3530	15/16	1/4	1-7/8	1/4	6-7/8	0.25
J3532	1	1/4	1-7/8	1/4	6-7/8	0.25
J3534	1-1/16	1/4	1-7/8	1/4	6-7/8	0.25
J3536	1-1/8	5/16	2-1/16	1/4	7	0.31
J3538	1-3/16	5/16	2-1/16	1/4	7	0.31
J3540	1-1/4	19/64	2-1/16	1/4	7	0.45
J3542	1-5/16	29/64	2-1/2	9/32	7-5/8	0.44
J3544	1-3/8	7/16	2-1/2	9/32	7-5/8	0.43
J3546	1-7/16	7/16	2-1/2	9/32	7-5/8	0.42
J3548	1-1/2	27/64	2-1/2	9/32	7-5/8	0.43
J3550	1-9/16	7/16	2-5/8	9/32	7-5/8	0.43
J3552	1-5/8	7/16	2-5/8	9/32	7-5/8	0.42
J3554	1-11/16	27/64	2-5/8	9/32	7-5/8	0.7
J3556	1-3/4	45/64	3-1/8	5/16	8-1/2	0.69
J3558	1-13/16	11/16	3-1/8	5/16	8-1/2	0.69
J3560	1-7/8	11/16	3-1/8	5/16	8-1/2	0.68
J3562	1-15/16	11/16	3-1/8	5/16	8-1/2	0.68
J3564	2	21/32	3-1/2	5/16	8-1/2	0.66
J3568	2-1/8	21/32	3-1/2	5/16	8-1/2	0.65
J3572	2-1/4	39/64	3-1/2	5/16	8-1/2	0.61
J3576	2-3/8	39/64	3-1/2	5/16	8-1/2	0.61
J3580	2-1/2	19/32	3-1/2	5/16	8-1/2	0.59
J3582	2-9/16	9/16	3-1/2	5/16	8-1/2	0.57

THE STORY BEHIND SERVICE WRENCHES

Service, Check Nut and Tappet wrenches look similar, but they serve different purposes. Used in low-torque situations, they tighten fasteners in automotive or plumbing applications where access is frequently tight and travel is part of the job.

The Service Wrench is provides an extra-large head on a short, tapered shank. The 30° angle on the handle allows for double rotation in tight spots by just flipping the wrench.

These wrenches are designed as a small, but strong set of hand wrenches ideal for traveling to various job sites.



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Made in USA Made in USA with global components

SATIN METRIC SERVICE WRENCHES



METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 30° angle head allows access to difficult to reach fasteners.
- Thin pattern for use on jam nuts, check nuts or lock nuts.
- Short shank allows for use in confined spaces.

Product #	Size (mm)	Outside Head Width (in (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J3519M	19	1-11/16	1/4	6-1/4	0.22
J3521M	21	1-11/16	1/4	6-1/4	0.22
J3522M	22	1-11/16	1/4	6-1/4	0.22
J3524M	24	1-7/8	1/4	6-7/8	0.25
J3527M	27	1-7/8	1/4	6-7/8	0.25
J3530M	30	2-1/16	1/4	7	0.31
J3532M	32	2-1/16	1/4	7	0.30
J3536M	36	2-1/2	1/4	7-5/8	0.45
J3537M	37	2-1/2	9/32	7-5/8	0.43
J3538M	38	2-1/2	9/32	7-5/8	0.42
J3540M	40	2-5/8	9/32	7-5/8	0.43
J3541M	41	2-5/8	9/32	7-5/8	0.43
J3542M	42	2-5/8	9/32	7-5/8	0.43
J3544M	44	2-5/8	9/32	7-5/8	0.43
J3546M	46	3-1/8	9/32	7-5/8	0.70
J3548M	48	3-1/8	5/16	8-1/2	0.70
J3550M	50	3-1/8	5/16	8-1/2	0.68
J3552M	52	3-1/2	5/16	8-1/2	0.66
J3555M	55	3-1/2	5/16	8-1/2	0.66
J3560M	60	3-1/2	5/16	8-1/2	0.61
J3565M	65	3-1/2	5/16	8-1/2	0.57

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VSE METRIC OPEN END WRENCHES

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Specific heat treatment and oiled quenching achieve core hardness without embrittlement or distortion.
- Size tolerances applied by Facom® exceed standard specifications.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
FM-46.8AVSE	8	55/64	5/16	4-23/32	0.07
FM-46.9AVSE	9	15/16	23/64	4-29/32	0.09
FM-46.10AVSE	10	63/64	23/64	5-1/8	0.11
FM-46.11AVSE	11	1-9/64	25/64	5-5/16	0.12
FM-46.12AVSE	12	1-3/16	25/64	5-5/16	0.14
FM-46.13AVSE	13	1-17/64	7/16	5-29/32	0.17
FM-46.14AVSE	14	1-11/32	7/16	6-5/16	0.20
FM-46.15AVSE	15	1-27/64	7/16	6- 5/16	0.20
FM-46.16AVSE	16	1-1/2	15/32	6-11/16	0.26
FM-46.17AVSE	17	1-39/64	15/32	7-3/32	0.29
FM-46.18AVSE	18	1-21/32	15/32	7-3/32	0.33
FM-46.19AVSE	19	1-49/64	15/32	7-11/16	0.34
FM-46.21AVSE	21	1-31/32	35/64	7-9/32	0.40

6 PIECE 1/4" DRIVE CROWFOOT WRENCH SET

Product #: J47000CF

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.
- Weight (lbs): 0.41



Contents	Size (in)	Overall Length (in)
J4708CF	1/4	15/16
J4710CF	5/16	1
J4712CF	3/8	1-1/16
J4714CF	7/16	1-5/32
J4716CF	1/2	1-3/16
J4718CF	9/16	1-9/32

ASME B107.21

8 PIECE 1/4" DRIVE CROWFOOT WRENCH SET WITH LOCKING EXTENSIONS

Product #: J47000CFL

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.
- Weight (lbs): 0.63

Contents	Size (in)	Overall Length (in)
J4708CF	1/4	15/16
J4710CF	5/16	1
J4712CF	3/8	1-1/16
J4714CF	7/16	1-5/32
J4716CF	1/2	1-3/16
J4718CF	9/16	1-9/32
J4761L	Locking Extension	6
J4759L	Locking Extension	2
		ASME B107.21



7 PIECE 1/4" DRIVE METRIC CROWFOOT WRENCH SET

METRIC

Product #: J47000MCF

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.
- Weight (lbs): 0.47

Contents	Size (mm)	Overall Length (in)
J4707MCF	7	15/16
J4708MCF	8	31/32
J4710MCF	10	1-1/16
J4711MCF	11	1-1/8
J4712MCF	12	1-5/32
J4713MCF	13	1-3/16
J4714MCF	14	1-1/4
		ASME B107.21



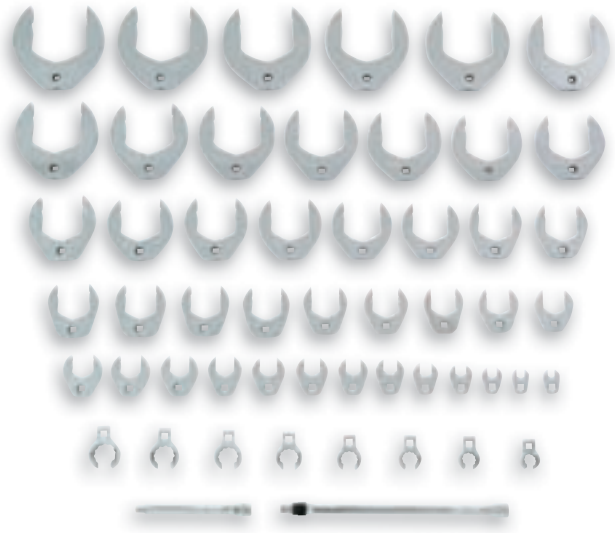
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

53 PIECE 3/8" DRIVE CROWFOOT WRENCH SET

Product #: J49000CFL

Contents	Size (in)	Point Count	Overall Length (in)
J4912CF	3/8	–	1-13/64
J4914CF	7/16	–	1-3/16
J4916CF	1/2	–	1-5/16
J4918CF	9/16	–	1-9/32
J4920CF	5/8	–	1-1/2
J4922CF	11/16	–	1-31/64
J4924CF	3/4	–	1-41/64
J4926CF	13/16	–	1-5/8
J4928CF	7/8	–	1-19/32
J4930CF	15/16	–	1-5/8
J4932CF	1	–	1-49/64
J4934CF	1-1/16	–	2-3/16
J4936CF	1-1/8	–	2-7/32
J4938CF	1-3/16	–	2-9/32
J4940CF	1-1/4	–	2-5/32
J4942CF	1-5/16	–	2-1/2
J4944CF	1-3/8	–	2-1/2
J4946CF	1-7/16	–	2-5/8
J4948CF	1-1/2	–	2-11/16
J4950CF	1-9/16	–	2-3/4
J4952CF	1-5/8	–	2-13/16
J4954CF	1-11/16	–	2-15/16
J4956CF	1-3/4	–	2-15/16
J4958CF	1-13/16	–	3-1/16
J4960CF	1-7/8	–	3-1/8
J4962CF	1-15/16	–	3-1/4
J4964CF	2	–	3-3/8
J4966CF	2-1/16	–	3-7/16
J4968CF	2-1/8	–	3-7/16
J4970CF	2-3/16	–	3-5/8
J4972CF	2-1/4	–	3-11/16
J4974CF	2-5/16	–	3-3/4
J4976CF	2-3/8	–	3-15/16
J4978CF	2-7/16	–	4-1/4
J4980CF	2-1/2	–	4-1/4
J4982CF	2-9/16	–	4-5/16
J4984CF	2-5/8	–	4-1/2
J4986CF	2-11/16	–	4-9/16
J4988CF	2-3/4	–	4-11/16
J4990CF	2-13/16	–	4-13/16
J4992CF	2-7/8	–	4-15/16
J4994CF	2-15/16	–	4-15/16
J4996CF	3	–	5
J4920FL	5/8	12	–
J4922FL	11/16	12	–
J4924FL	3/4	12	–
J4926FL	13/16	12	–
J4928FL	7/8	12	–
J4930FL	15/16	12	–
J4932FL	1	12	–
J4934FL	1-1/16	12	–
J5262L	Locking Extension	–	12
J5260-06L	Locking Extension	–	6
			ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.
- Weight (lbs): 26.14



43 PIECE 3/8" DRIVE CROWFOOT WRENCH SET

Product #: J49001CF

Contents	Size (in)	Overall Length (in)
J4912CF	3/8	1-13/64
J4914CF	7/16	1-3/16
J4916CF	1/2	1-5/16
J4918CF	9/16	1-9/32
J4920CF	5/8	1-1/2
J4922CF	11/16	1-31/64
J4924CF	3/4	1-41/64
J4926CF	13/16	1-5/8
J4928CF	7/8	1-19/32
J4930CF	15/16	1-5/8
J4932CF	1	1-49/64
J4934CF	1-1/16	2-3/16
J4936CF	1-1/8	2-7/32
J4938CF	1-3/16	2-9/32
J4940CF	1-1/4	2-5/32
J4942CF	1-5/16	2-1/2
J4944CF	1-3/8	2-1/2
J4946CF	1-7/16	2-5/8
J4948CF	1-1/2	2-11/16
J4950CF	1-9/16	2-3/4
J4952CF	1-5/8	2-13/16
J4954CF	1-11/16	2-15/16
J4956CF	1-3/4	2-15/16
J4958CF	1-13/16	3-1/16
J4960CF	1-7/8	3-1/8
J4962CF	1-15/16	3-1/4
J4964CF	2	3-3/8
J4966CF	2-1/16	3-7/16
J4968CF	2-1/8	3-7/16
J4970CF	2-3/16	3-5/8
J4972CF	2-1/4	3-11/16
J4974CF	2-5/16	3-3/4
J4976CF	2-3/8	3-15/16
J4978CF	2-7/16	4-1/4
J4980CF	2-1/2	4-1/4
J4982CF	2-9/16	4-5/16
J4984CF	2-5/8	4-1/2
J4986CF	2-11/16	4-9/16
J4988CF	2-3/4	4-11/16
J4990CF	2-13/16	4-13/16
J4992CF	2-7/8	4-15/16
J4994CF	2-15/16	4-15/16
J4996CF	3	5

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.
- Weight (lbs): 23.92



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

27 PIECE 3/8" DRIVE CROWFOOT WRENCH SET

Product #: J49002CF

Contents	Size (in)	Overall Length (in)
J4912CF	3/8	1-13/64
J4914CF	7/16	1-3/16
J4916CF	1/2	1-5/16
J4918CF	9/16	1-9/32
J4920CF	5/8	1-1/2
J4922CF	11/16	1-31/64
J4924CF	3/4	1-41/64
J4926CF	13/16	1-5/8
J4928CF	7/8	1-19/32
J4930CF	15/16	1-5/8
J4932CF	1	1-49/64
J4934CF	1-1/16	2-3/16
J4936CF	1-1/8	2-7/32
J4938CF	1-3/16	2-9/32
J4940CF	1-1/4	2-5/32
J4942CF	1-5/16	2-1/2
J4944CF	1-3/8	2-1/2
J4946CF	1-7/16	2-5/8
J4948CF	1-1/2	2-11/16
J4950CF	1-9/16	2-3/4
J4952CF	1-5/8	2-13/16
J4954CF	1-11/16	2-15/16
J4956CF	1-3/4	2-15/16
J4958CF	1-13/16	3-1/16
J4960CF	1-7/8	3-1/8
J4962CF	1-15/16	3-1/4
J4964CF	2	3-3/8
		ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.
- Weight (lbs): 6.74



16 PIECE 3/8" DRIVE METRIC CROWFOOT WRENCH SET

METRIC

Product #: J49000-MCF

Contents	Size (mm)	Overall Length (in)
J4909MCF	9	1-5/6
J4910MCF	10	1-11/32
J4911MCF	11	1-3/8
J4912MCF	12	1-15/32
J4913MCF	13	1-1/2
J4914MCF	14	1-1/2
J4915MCF	15	1-5/8
J4916MCF	16	1-21/32
J4917MCF	17	1-23/32
J4918MCF	18	1-15/16
J4919MCF	19	1-15/16
J4920MCF	20	2-1/16
J4921MCF	21	2-3/32
J4922MCF	22	2-7/32
J4923MCF	23	2-11/32
J4924MCF	24	2-13/32

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Weight (lbs): 2.59



15 PIECE 3/8" DRIVE CROWFOOT WRENCH SET

Product #: J49003CF

Contents	Size (in)	Overall Length (in)
J4912CF	3/8	1-13/64
J4914CF	7/16	1-3/16
J4916CF	1/2	1-5/16
J4918CF	9/16	1-9/32
J4920CF	5/8	1-1/2
J4922CF	11/16	1-31/64
J4924CF	3/4	1-41/64
J4926CF	13/16	1-5/8
J4928CF	7/8	1-19/32
J4930CF	15/16	1-5/8
J4932CF	1	1-49/64
J4934CF	1-1/16	2-3/16
J4936CF	1-1/8	2-7/32
J4938CF	1-3/16	2-9/32
J4940CF	1-1/4	2-5/32

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.
- Weight (lbs): 2.07



9 PIECE 3/8" DRIVE CROWFOOT WRENCH SET

Product #: J49004CF

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.
- Weight (lbs): 0.83

Contents	Size (in)	Overall Length (in)
J4912CF	3/8	1-13/64
J4914CF	7/16	1-3/16
J4916CF	1/2	1-5/16
J4918CF	9/16	1-9/32
J4920CF	5/8	1-1/2
J4922CF	11/16	1-31/64
J4924CF	3/4	1-41/64
J4926CF	13/16	1-5/8
J4928CF	7/8	1-19/32

ASME B107.21



22 PIECE 1/2" DRIVE CROWFOOT WRENCH SET

Product #: J53000CF

Contents	Size (in)	Overall Length (in)
J5330CF	15/16	2-13/16
J5332CF	1	2-13/16
J5334CF	1-1/16	2-7/8
J5336CF	1-1/8	3
J5338CF	1-3/16	3
J5340CF	1-1/4	3-5/16
J5342CF	1-5/16	3-5/16
J5344CF	1-3/8	3-3/8
J5346CF	1-7/16	3-3/8
J5348CF	1-1/2	3-7/16
J5350CF	1-9/16	3-1/2
J5352CF	1-5/8	3-1/2
J5354CF	1-11/16	3-13/16
J5356CF	1-3/4	3-13/16
J5358CF	1-13/16	3-7/8
J5360CF	1-7/8	3-7/8
J5364CF	2	3-15/16
J5368CF	2-1/8	4-1/16
J5372CF	2-1/4	4-3/8
J5376CF	2-3/8	4-7/16
J5378CF	2-7/16	4-7/16
J5380CF	2-1/2	4-1/2

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Weight (lbs): 16.35



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
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15 PIECE 1/2" DRIVE CROWFOOT WRENCH SET

Product #: J53001CF

Contents	Size (in)	Overall Length (in)
J5334CF	1-1/16	2-7/8
J5336CF	1-1/8	3
J5338CF	1-3/16	3
J5340CF	1-1/4	3-5/16
J5342CF	1-5/16	3-5/16
J5344CF	1-3/8	3-3/8
J5346CF	1-7/16	3-3/8
J5348CF	1-1/2	3-7/16
J5350CF	1-9/16	3-1/2
J5352CF	1-5/8	3-1/2
J5354CF	1-11/16	3-13/16
J5356CF	1-3/4	3-13/16
J5358CF	1-13/16	3-7/8
J5360CF	1-7/8	3-7/8
J5364CF	2	3-15/16

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design open end (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Weight (lbs): 9.88



1/4" DRIVE FULL POLISH CROWFOOT WRENCHES

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4708CF	1/4	15/16	0.02
J4710CF	5/16	1	0.03
J4712CF	3/8	1-1/16	0.03
J4714CF	7/16	1-5/32	0.04
J4716CF	1/2	1-3/16	0.05
J4718CF	9/16	1-9/32	0.05

ASME B107.21



1/4" DRIVE FULL POLISH METRIC CROWFOOT WRENCHES

METRIC

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4707MCF	7	15/16	0.02
J4708MCF	8	31/32	0.02
J4710MCF	10	1-1/16	0.03
J4711MCF	11	1-1/8	0.04
J4712MCF	12	1-5/32	0.04
J4713MCF	13	1-3/16	0.05
J4714MCF	14	1-1/4	0.05

ASME B107.21



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE FULL POLISH CROWFOOT WRENCHES

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4912CF	3/8	1-13/64	0.06
J4914CF	7/16	1-3/16	0.06
J4916CF	1/2	1-5/16	0.07
J4918CF	9/16	1-9/32	0.07
J4920CF	5/8	1-1/2	0.09
J4922CF	11/16	1-31/64	0.09
J4924CF	3/4	1-41/64	0.11
J4926CF	13/16	1-5/8	0.11
J4928CF	7/8	1-19/32	0.12
J4930CF	15/16	1-5/8	0.13
J4932CF	1	1-49/64	0.13
J4934CF	1-1/16	2-3/16	0.24
J4936CF	1-1/8	2-7/32	0.24
J4938CF	1-3/16	2-9/32	0.24
J4940CF	1-1/4	2-5/32	0.21
J4942CF	1-5/16	2-1/2	0.25
J4944CF	1-3/8	2-1/2	0.29
J4946CF	1-7/16	2-5/8	0.29
J4948CF	1-1/2	2-11/16	0.33
J4950CF	1-9/16	2-3/4	0.34
J4952CF	1-5/8	2-13/16	0.38
J4954CF	1-11/16	2-15/16	0.36
J4956CF	1-3/4	2-15/16	0.39
J4958CF	1-13/16	3-1/16	0.4
J4960CF	1-7/8	3-1/8	0.45
J4962CF	1-15/16	3-1/4	0.49
J4964CF	2	3-3/8	0.73
J4966CF	2-1/16	3-7/16	0.71
J4968CF	2-1/8	3-7/16	0.74
J4970CF	2-3/16	3-5/8	0.78
J4972CF	2-1/4	3-11/16	0.89
J4974CF	2-5/16	3-3/4	0.9
J4976CF	2-3/8	3-15/16	1.01
J4978CF	2-7/16	4-1/4	1.03
J4980CF	2-1/2	4-1/4	1.1
J4982CF	2-9/16	4-5/16	1.11
J4984CF	2-5/8	4-1/2	1.27
J4986CF	2-11/16	4-9/16	1.34
J4988CF	2-3/4	4-11/16	1.37
J4990CF	2-13/16	4-13/16	1.38
J4992CF	2-7/8	4-15/16	1.52
J4994CF	2-15/16	4-15/16	1.58
J4996CF	3	5	1.55

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.

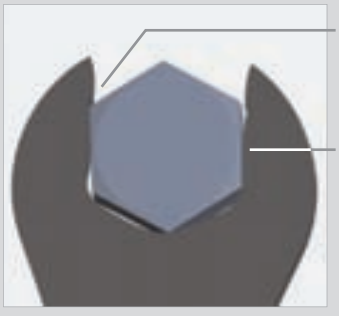


FEATURES AND BENEFITS — ANTI-SLIP DESIGN (ASD)

The Anti-Slip Design consists of two features:

- A notch to lock the fastener in place.
- A curve for greater contact area against the fastener.

An ASD Wrench does not apply load to the corners of the fastener, so it helps to prevent rounding. Because of the greater surface contact, the wrench can also successfully apply greater torque without slipping.



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

3/8" DRIVE FULL POLISH METRIC CROWFOOT WRENCHES

METRIC

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.
- Locking hole on 3/8" drive crowfoot wrenches available on fractional openings 1" and larger.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4909MCF	9	1-5/6	0.05
J4910MCF	10	1-11/32	0.05
J4911MCF	11	1-3/8	0.07
J4912MCF	12	1-15/32	0.07
J4913MCF	13	1-1/2	0.06
J4914MCF	14	1-1/2	0.07
J4915MCF	15	1-5/8	0.10
J4916MCF	16	1-21/32	0.09
J4917MCF	17	1-23/32	0.10
J4918MCF	18	1-15/16	0.13
J4919MCF	19	1-15/16	0.13
J4920MCF	20	2-1/16	0.13
J4921MCF	21	2-3/32	0.14
J4922MCF	22	2-7/32	0.15
J4923MCF	23	2-11/32	0.19
J4924MCF	24	2-13/32	0.19

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1/2" DRIVE FULL POLISH CROWFOOT WRENCHES

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J5330CF	15/16	2-13/16	0.47
J5332CF	1	2-13/16	0.46
J5334CF	1-1/16	2-7/8	0.51
J5336CF	1-1/8	3	0.54
J5338CF	1-3/16	3	0.58
J5340CF	1-1/4	3-5/16	0.66
J5342CF	1-5/16	3-5/16	0.66
J5344CF	1-3/8	3-3/8	0.72
J5346CF	1-7/16	3-3/8	0.75
J5348CF	1-1/2	3-7/16	0.77
J5350CF	1-9/16	3-1/2	0.80
J5352CF	1-5/8	3-1/2	0.83
J5354CF	1-11/16	3-13/16	0.95
J5356CF	1-3/4	3-13/16	0.98
J5358CF	1-13/16	3-7/8	1.01
J5360CF	1-7/8	3-7/8	1.05
J5364CF	2	3-15/16	1.10
J5368CF	2-1/8	4-1/16	1.09
J5372CF	2-1/4	4-3/8	1.27
J5376CF	2-3/8	4-7/16	1.29
J5378CF	2-7/16	4-7/16	1.28
J5380CF	2-1/2	4-1/2	1.25

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE FULL POLISH METRIC CROWFOOT WRENCHES

METRIC

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J5320MCF	20	2-19/32	0.43
J5321MCF	21	2-37/64	0.43
J5322MCF	22	2-13/16	0.45
J5323MCF	23	2-13/16	0.47
J5324MCF	24	2-51/64	0.47
J5325MCF	25	2-27/32	0.48
J5326MCF	26	2-29/32	0.49
J5327MCF	27	2-29/32	0.51
J5328MCF	28	3	0.54
J5329MCF	29	3-1/32	0.58
J5330MCF	30	3-1/32	0.66
J5332MCF	32	3-19/64	0.66
J5335MCF	35	3-23/64	0.72
J5336MCF	36	3-13/32	0.75
J5338MCF	38	3-7/16	0.77
J5341MCF	41	3-1/2	0.83
J5342MCF	42	3-51/64	0.95
J5346MCF	46	3-55/64	1.01

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Anti-Slip Design Open End (ASD).
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use reducing downtime due to detachment of crowfoot in awkward spaces.
- Use with locking extensions to reach into spaces too small for a mechanic's arm or where the fastener is out of site.



8 PIECE 3/8" DRIVE FLARE NUT CROWFOOT WRENCH SET

Product #: J49000CFFN

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point flare nut end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Weight (lbs): 1.15

Contents	Size (in)	Point Count
J4920FL	5/8	12
J4922FL	11/16	12
J4924FL	3/4	12
J4926FL	13/16	12
J4928FL	7/8	12
J4930FL	15/16	12
J4932FL	1	12
J4934FL	1-1/16	12

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39 PIECE 1/2" DRIVE CROWFOOT WRENCH SET

Product #: J53000CFLFN

Contents	Size (in)	Point Count	Overall Length (in)
J5330CF	15/16	–	2-13/16
J5332CF	1	–	2-13/16
J5334CF	1-1/16	–	2-7/8
J5336CF	1-1/8	–	3
J5338CF	1-3/16	–	3
J5340CF	1-1/4	–	3-5/16
J5342CF	1-5/16	–	3-5/16
J5344CF	1-3/8	–	3-3/8
J5346CF	1-7/16	–	3-3/8
J5348CF	1-1/2	–	3-7/16
J5350CF	1-9/16	–	3-1/2
J5352CF	1-5/8	–	3-1/2
J5354CF	1-11/16	–	3-13/16
J5356CF	1-3/4	–	3-13/16
J5358CF	1-13/16	–	3-7/8
J5360CF	1-7/8	–	3-7/8
J5364CF	2	–	3-15/16
J5368CF	2-1/8	–	4-1/16
J5372CF	2-1/4	–	4-3/8
J5376CF	2-3/8	–	4-7/16
J5378CF	2-7/16	–	4-7/16
J5380CF	2-1/2	–	4-1/2
J5336FL	1-1/8	12	2-13/16
J5338FL	1-3/16	12	2-7/8
J5340FL	1-1/4	12	3
J5342FL	1-5/16	12	3-1/16
J5344FL	1-3/8	12	3-5/16
J5346FL	1-7/16	12	3-3/8
J5348FL	1-1/2	12	3-7/16
J5350FL	1-9/16	12	3-9/16
J5352FL	1-5/8	12	3-3/4
J5354FL	1-11/16	12	3-13/16
J5356FL	1-3/4	12	3-7/8
J5358FL	1-13/16	12	4
J5360FL	1-7/8	12	4-1/4
J5362FL	1-15/16	12	4-5/16
J5364FL	2	12	4-7/16
J5461L	Locking Extension	–	5
J5463L	Locking Extension	–	10
			ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- The arched surfaces are designed to spread the contact forces over a greater area and they keep the loads off the corners of the fastener which helps prevent fastener rounding.
- 12 point allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Use with locking extensions to reach into small spaces or where the fastener is out of sight.
- Locking hole feature helps keep the crowfoot wrench engaged on the extension during use, helping to reduce downtime due to the detachment of the crowfoot in an awkward space.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Weight (lbs): 23.80



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

15 PIECE 1/2" DR CROWFOOT FLARE NUT WRENCH SET

Product #: J53000CFFN

Contents	Size (in)	Point Count	Overall Length (in)
J5336FL	1-1/8	12	2-13/16
J5338FL	1-3/16	12	2-7/8
J5340FL	1-1/4	12	3
J5342FL	1-5/16	12	3-1/16
J5344FL	1-3/8	12	3-5/16
J5346FL	1-7/16	12	3-3/8
J5348FL	1-1/2	12	3-7/16
J5350FL	1-9/16	12	3-9/16
J5352FL	1-5/8	12	3-3/4
J5354FL	1-11/16	12	3-13/16
J5356FL	1-3/4	12	3-7/8
J5358FL	1-13/16	12	4
J5360FL	1-7/8	12	4-1/4
J5362FL	1-15/16	12	4-5/16
J5364FL	2	12	4-7/16

ASME B107.21

- Crowfoot wrenches are used in hard to reach, restricted access situations where a standard wrench or ratchet cannot reach.
- 12 point flare nut allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Broad size range ensures the right tool for the application will be available.
- Typically used in lower torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Weight (lbs): 5.86



3/8" DRIVE FULL POLISH FLARE NUT CROWFOOT WRENCHES - 12 POINT

- Designed for speed and safety.
- Special heat-treated alloy steel helps increase strength and durability.
- 12 Point Box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole helps hold crowfoot in place during use.
- Use with a locking extension to help prevent tool loss in awkward locations.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Weight (lbs)
J4920FL	5/8	63/64	11/16	3/4	0.09
J4922FL	11/16	1-3/64	11/16	51/64	0.10
J4924FL	3/4	1-11/64	23/32	27/32	0.12
J4926FL	13/16	1-1/16	23/32	57/64	0.12
J4928FL	7/8	1-11/32	3/4	63/64	0.16
J4930FL	15/16	1-27/64	3/4	61/64	0.17
J4932FL	1	1-1/2	25/32	1-1/32	0.18
J4934FL	1-1/16	1-37/64	25/32	1-1/16	0.20

ASME B107.21

3/8" DRIVE FULL POLISH FLARE NUT CROWFOOT WRENCHES - 6 POINT

- Flare Nut Crowfoot wrenches are used in hard to reach or restricted access situations where a standard flare nut wrench cannot reach.
- The flare nut slot opening is used to slide over hydraulic lines or other hoses which allows for easy access to hex connectors at ends.
- Typically used in low torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot engaged on the extension during use, helping to reduce downtime and improve working efficiency.
- Use with locking extensions to reach into small spaces where the fastener is out of sight.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J4912HFL	3/8	1-13/16	0.07
J4914HFL	7/16	1-1/2	0.08
J4916HFL	1/2	1-5/8	0.10
J4918HFL	9/16	1-5/8	0.11
J4920HFL	5/8	1-3/4	0.13
J4922HFL	11/16	1-13/16	0.13
J4924HFL	3/4	1-15/16	0.16
J4926HFL	13/16	2	0.18

ASME B107.21



3/8" DRIVE FULL POLISH METRIC FLARE NUT CROWFOOT WRENCHES - 6 POINT

METRIC

- Flare Nut Crowfoot wrenches are used in hard to reach or restricted access situations where a standard flare nut wrench cannot reach.
- The flare nut slot opening is used to slide over hydraulic lines or other hoses which allows for easy access to hex connectors at ends.
- Typically used in low torque applications.
- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Locking hole feature helps keep the crowfoot engaged on the extension during use, helping to reduce downtime and improve working efficiency.
- Use with locking extensions to reach into small spaces where the fastener is out of sight.

Product #	Size (mm)	Overall Length (in)	Weight (lbs)
J4909MHFL	9	1-5/16	0.07
J4910MHFL	10	1-3/8	0.07
J4911MHFL	11	1-1/2	0.08
J4912MHFL	12	1-1/2	0.08
J4913MHFL	13	1-9/16	0.09
J4914MHFL	14	1-5/8	0.11
J4915MHFL	15	1-11/16	0.11
J4916MHFL	16	1-3/4	0.12
J4917MHFL	17	1-3/4	0.13
J4918MHFL	18	1-13/16	0.14

ASME B107.21



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

1/2" DRIVE FULL POLISH FLARE NUT CROWFOOT WRENCHES - 12 POINT

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J5336FL	1-1/8	2-13/16	0.19
J5338FL	1-3/16	2-7/8	0.19
J5340FL	1-1/4	3	0.19
J5342FL	1-5/16	3-1/16	0.19
J5344FL	1-3/8	3-5/16	0.25
J5346FL	1-7/16	3-3/8	0.25
J5348FL	1-1/2	3-7/16	0.25
J5350FL	1-9/16	3-9/16	0.31
J5352FL	1-5/8	3-3/4	0.31
J5354FL	1-11/16	3-13/16	0.31
J5356FL	1-3/4	3-7/8	0.38
J5358FL	1-13/16	4	0.38
J5360FL	1-7/8	4-1/4	0.45
J5362FL	1-15/16	4-5/16	0.5
J5364FL	2	4-7/16	0.5

ASME B107.21

- Designed for speed and safety.
- Special heat-treated alloy steel helps increase strength and durability.
- 12 Point Box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Full Polish finish provides corrosion resistance and easy to clean surfaces.



7 PIECE COMBINATION FLARE NUT WRENCH SET - 6 POINT

Product #: J3700A

Contents	Size (in)	Point Count	Overall Length (in)
J3751	3/8	6	5-11/16
J3752	7/16	6	6-1/32
J3753	1/2	6	6-7/16
J3754	9/16	6	6-15/16
J3755	5/8	6	7-5/8
J3756	11/16	6	8-11/16
J3757	3/4	6	9-3/16
J25TR03C	Tool Roll		

ASME B107.21

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box end incorporates the TorquePlus™ system.
- Weight (lbs): 2.24

TORQUEPLUS FASTENING SYSTEM



7 PIECE COMBINATION FLARE NUT WRENCH SET - 12 POINT

Product #: J3700AT

Contents	Size (in)	Point Count	Overall Length (in)
J3751T	3/8	12	5-11/16
J3752T	1/2	12	6-1/32
J3753T	7/16	12	6-7/16
J3754T	9/16	12	6-15/16
J3755T	5/8	12	7-5/8
J3756T	11/16	12	8-11/16
J3757T	3/4	12	9-3/16
J25TR03C	Tool Roll		

ASME B107.21

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box end incorporates the TorquePlus™ system.
- Weight (lbs): 2.24

TORQUEPLUS FASTENING SYSTEM



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Made in USA Made in USA with global components

SATIN COMBINATION FLARE NUT WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box end incorporates the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3751	3/8	7/16	25/32	11/32	19/64	51/64	23/65	5-11/16	0.12
J3752	7/16	33/64	7/8	3/8	23/64	59/64	13/32	6-1/32	0.16
J3753	1/2	19/32	31/32	3/8	25/64	1-1/32	13/32	6-7/16	0.21
J3754	9/16	43/64	1-3/64	7/16	26/64	1-11/64	15/32	6-15/16	0.34
J3755	5/8	47/64	1-3/32	7/16	33/64	1-9/64	15/32	7-5/8	0.45
J3756	11/16	51/64	1-3/16	1/2	9/16	1-13/32	17/32	8-11/16	0.45
J3757	3/4	57/64	1-7/32	1/2	9/16	1-9/16	17/32	9-3/16	0.49

ASME B107.100

SATIN COMBINATION FLARE NUT WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box end incorporates the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3751T	3/8	7/16	25/32	11/32	19/64	51/64	3/8	5-11/16	0.13
J3752T	1/2	33/64	7/8	3/8	23/64	29/32	13/32	6-1/32	0.18
J3753T	7/16	19/32	31/32	3/8	25/64	1-1/32	13/32	6-7/16	0.19
J3754T	9/16	43/64	1-3/64	7/16	29/64	1-3/64	15/32	6-15/16	0.25
J3755T	5/8	47/64	1-3/32	7/16	33/64	1-19/64	15/32	7-5/8	0.32
J3756T	11/16	51/64	1-3/16	1/2	9/16	1-13/32	17/32	8-11/16	0.42
J3757T	3/4	57/64	1-7/32	1/2	9/16	1-9/16	17/32	9-3/16	0.46

ASME B107.100

3 PIECE DOUBLE END FLARE NUT WRENCH SET - 6 POINT

Product #: J3760

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.
- Weight (lbs): 0.97

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J3764	3/8 x 7/16	6	6-1/4
J3768	1/2 x 9/16	6	7-1/2
J3772	5/8 x 11/16	6	8-3/4
J25TR17C	Tool Roll		

ASME B107.100

5 PIECE METRIC DOUBLE END FLARE NUT WRENCH SET - 6 POINT

Product #: J3700M

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporates the TorquePlus™ system.
- Weight (lbs): 1.25

TORQUEPLUS FASTENING SYSTEM



Contents	Size (mm)	Point Count	Overall Length (in)
J3707M	7 x 8	6	5-11/16
J3709M	9 x 11	6	6-5/16
J3710M	10 x 12	6	6-15/16
J3713M	13 x 14	6	7-9/16
J3715M	15 x 17	6	7-63/64
J25TR06C	Tool Roll		

ASME B107.100

3 PIECE DOUBLE END FLARE NUT WRENCH SET - 12 POINT

Product #: J3760T

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box ends incorporate the TorquePlus™ system.
- Weight (lbs): 0.97

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J3764T	3/8 x 7/16	12	6-1/4
J3768T	1/2 x 9/16	12	7-1/2
J3772T	5/8 x 11/16	12	8-3/4
J25TR17C	Tool Roll		

ASME B107.100

5 PIECE METRIC DOUBLE END FLARE NUT WRENCH SET - 12 POINT

Product #: J3700MT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut ends incorporate the TorquePlus™ system.
- Weight (lbs): 1.29

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Count	Overall Length (in)
J3707MT	7 x 8	12	5-11/16
J3709MT	9 x 11	12	6-5/16
J3710MT	10 x 12	12	6-15/16
J3713MT	13 x 14	12	7-9/16
J3715MT	15 x 17	12	7-63/64
J25TR06C	Tool Roll		

ASME B107.100

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SATIN DOUBLE END FLARE NUT WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3764	3/8 x 7/16	19/64	51/64	11/32	23/64	57/64	3/8	6-1/4	0.18
J3768	1/2 x 9/16	25/64	31/32	3/8	13/32	1-3/64	7/16	7-1/2	0.27
J3772	5/8 x 11/16	33/64	1-7/64	7/16	37/64	1-13/64	31/64	8-3/4	0.38

ASME B107.100

SATIN METRIC DOUBLE END FLARE NUT WRENCHES - 6 POINT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3707M	7 x 8	7/32	43/64	19/64	15/64	3/4	21/64	5-11/16	0.12
J3709M	9 x 11	9/32	13/16	23/64	11/32	29/32	25/64	6-5/16	0.17
J3710M	10 x 12	9/32	55/64	25/64	11/32	61/64	25/64	6-15/16	0.22
J3713M	13 x 14	3/8	1-1/64	25/64	7/16	1-3/32	29/64	7-9/16	0.26
J3715M	15 x 17	7/16	1-7/64	29/64	1/2	1-3/16	31/64	7-63/64	0.37
J3716M	16 x 18	1/2	1-9/64	29/64	37/64	1-15/64	33/64	8-13/16	0.39
J3719M	19 x 21	37/64	1-9/32	35/64	5/8	1-3/8	37/64	9-3/8	0.6

ASME B107.100

SATIN DOUBLE END FLARE NUT WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3764T	3/8 x 7/16	19/64	51/64	11/32	23/64	57/64	3/8	6-1/4	0.18
J3768T	1/2 x 9/16	25/64	31/32	3/8	13/32	1-1/16	7/16	7-1/2	0.27
J3772T	5/8 x 11/16	33/64	1-7/64	7/16	37/64	1-13/64	31/64	8-3/4	0.38

ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SATIN METRIC DOUBLE END FLARE NUT WRENCHES - 12 POINT

METRIC

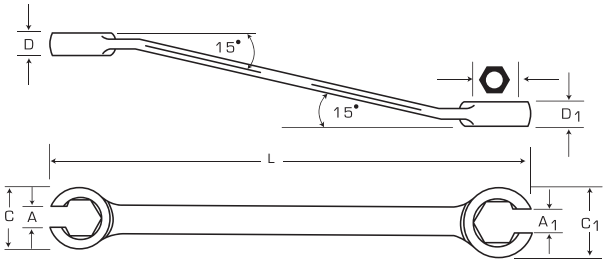
- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.

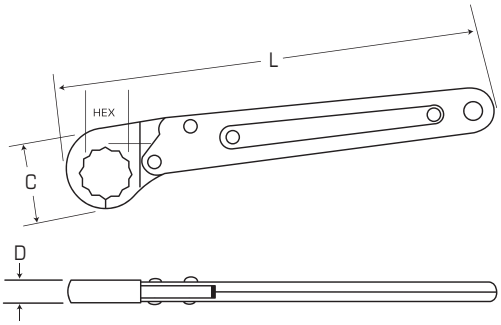
TORQUEPLUS FASTENING SYSTEM



Product #	Size (mm)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3707MT	7 x 8	7/32	43/64	19/64	15/64	3/4	21/64	5-11/16	0.11
J3709MT	9 x 11	9/32	13/16	23/64	11/32	29/32	25/64	6-5/16	0.16
J3710MT	10 x 12	9/32	55/64	25/64	11/32	61/64	25/64	6-15/16	0.21
J3713MT	13 x 14	3/8	1-1/64	25/64	7/16	1-3/32	29/64	7-9/16	0.24
J3715MT	15 x 17	7/16	1-7/64	29/64	1/2	1-3/16	31/64	7-63/64	0.33
J3716MT	16 x 18	1/2	1-9/64	29/64	37/64	1-15/64	33/64	8-13/16	0.36
J3719MT	19 x 21	37/64	1-9/32	35/64	5/8	1-3/8	37/64	9-7/16	0.39

ASME B107.100





7 PIECE RATCHETING FLARE NUT WRENCH SET - 12 POINT

Product #: J3800A

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.
- Weight (lbs): 1.93

Contents	Size (in)	Point Count	Overall Length (in)
J3812	3/8	12	5-7/16
J3814	7/16	12	5-7/16
J3816	1/2	12	5-7/16
J3818	9/16	12	7-1/4
J3820	5/8	12	7-1/4
J3822	11/16	12	7-1/4
J3824	3/4	12	7-1/4
J25TR03C	Tool Roll		



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BLACK OXIDE RATCHETING FLARE NUT WRENCHES - 12 POINT

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.



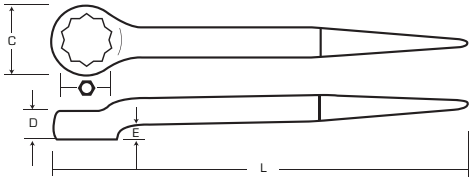
Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J3812	3/8	1	9/32	5-7/16	0.17
J3814	7/16	1	9/32	5-7/16	0.17
J3816	1/2	1	9/32	5-7/16	0.17
J3818	9/16	1-5/16	3/8	7-1/4	0.31
J3820	5/8	1-5/16	3/8	7-1/4	0.31
J3822	11/16	1-5/16	3/8	7-1/4	0.31
J3824	3/4	1-5/16	3/8	7-1/4	0.31
J3826	13/16	1-11/16	7/16	9-3/8	0.58
J3828	7/8	1-11/16	7/16	9-3/8	0.58
J3830	15/16	1-11/16	1/2	9-3/8	0.58
J3832	1	1-11/16	1/2	9-3/8	0.58

BLACK OXIDE BOX END SPUD WRENCHES - 12 POINT

- Non-reflective black oxide finish for use where non-plated products are required.
- Ideal for heavy construction and field service work.
- High leverage handle and strong box end designed to turn stubborn nuts and bolts.
- Tapered spud end aligns flange holes.
- 12 point box end allows for fine indexing helping to improve speed and access. Fits 4, 6 and 12 point fasteners.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
J2613	13/16	1-11/32	5/8	1-3/32	12	0.87
J2614	7/8	1-11/32	5/8	1-3/32	14-1/2	0.85
J2615	15/16	1-11/32	5/8	1-3/32	13-1/2	1.25
J2616	1	1-9/16	11/16	1-5/16	1-1/2	1.22
J2617	1-1/16	1-19/32	11/16	1-5/16	15	1.57
J2618	1-1/8	1-45/64	13/16	1-1/16	15	1.50
J2620	1-1/4	1-25/32	13/16	1-1/16	17	2.38
J2621	1-5/16	2-1/8	15/16	1-3/8	17-3/32	2.19
J2623	1-7/16	2-1/8	15/16	1-3/8	21-5/16	3.10
J2624	1-1/2	2-3/16	1	1-1/2	21-3/16	3.05
J2626	1-5/8	2-15/32	1-1/8	1-1/2	22-3/32	4.70
J2627	1-11/16	2-15/32	1-1/8	1-1/2	22-5/16	4.91
J2629	1-13/16	2-29/32	1-3/16	1-9/16	23-5/16	5.84
J2630	1-7/8	2-29/32	1-3/16	1-9/16	23	5.99
J2632	2	3-5/32	1-7/16	1-21/32	24	7.04
J2635	2-3/16	3-15/32	1-9/16	1-7/8	26	8.93
J2638	2-3/8	3-23/32	1-1/2	2	28	9.96
J2641	2-9/16	4	1-1/2	2-1/4	29	11.24
J2644	2-3/4	4	1-1/2	2-1/4	30	14.34



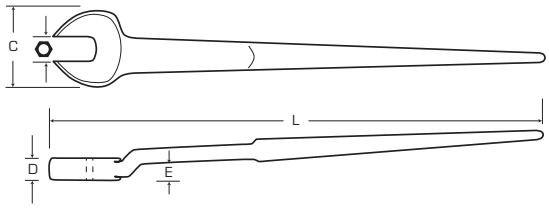
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK OXIDE OPEN END SPUD WRENCHES - OFFSET HEAD

- Non-reflective black oxide finish for use where non-plated products are required.
- Long offset handle provides greater leverage and clearance for knuckles and obstructions.
- Hardened tapered handle aligns bolt and rivet holes.
- Openings are precision broached for proper fit.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
JC901B	9/16	1-9/16	7/16	3/4	11-1/2	0.76
JC903A	5/8	1-9/16	7/16	3/4	12	0.76
JC903	11/16	1-9/16	7/16	3/4	11-13/16	0.77
JC904A	3/4	1-7/8	7/16	3/4	11-13/16	0.76
JC905A	13/16	2	9/16	7/8	14-1/2	1.29
JC905	7/8	2-3/16	9/16	7/8	14-1/2	1.23
JC906C	15/16	2-3/16	9/16	7/8	14-1/2	1.30
JC906B	1	2-3/16	9/16	7/8	14-3/16	1.29
JC907	1-1/16	2-7/16	21/32	1	17-3/16	1.88
JC907A	1-1/8	2-7/16	21/32	1	16-11/16	1.79
JC908	1-1/4	2-3/4	13/16	1-1/4	19	2.78
JC908A	1-5/16	2-3/4	13/16	1-1/4	19-3/32	2.79
JC909	1-7/16	3-1/8	13/16	1-1/4	20	3.54
JC909A	1-1/2	3-1/8	13/16	1-1/4	20	3.79
JC910	1-5/8	3-1/8	13/16	1-5/8	23	5.68
JC910A	1-11/16	3-5/8	13/16	1-5/8	22-13/16	5.41
JC911	1-13/16	4-1/8	13/16	1-5/8	24	7.35
JC911A	1-7/8	4-1/8	13/16	1-5/8	24	7.23
JC912	2	4-7/16	13/16	1-5/8	24	7.5



BLACK OXIDE ADJUSTABLE SPUD WRENCH

- Non-Reflective black oxide finish for use where none plated products are required.
- Large jaw opening fits all nuts and bolts up to 1-1/2 inches.
- Square jaw opening provides strength and tight fit.
- Eliminates the need for carrying several fixed size wrenches.
- Hardened taper handle aligns bolt and rivet holes.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J712SC	1-1/2	16-3/32	2.45

BLACK OXIDE SPUD HANDLE 1/2" DRIVE PEAR HEAD RATCHET

- Tapered handle for aligning bolt holes.
- Spring-loaded pellet in male drive plug.
- Black oxide finish.



Product #	Overall Length (in)	Weight (lbs)
J5449-14BL	14	2.03

ASME B107.500

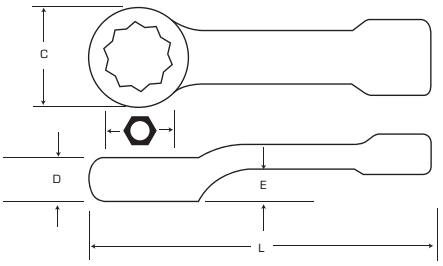
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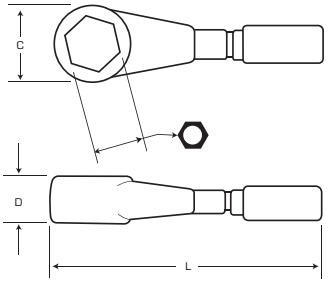
BLACK OXIDE HEAVY-DUTY STRIKING WRENCHES - 6 POINT

- Non-reflective black oxide finish for use where non-plated products are required.
- Large striking surface for surer blow contact and more efficient transmittal of force to fastener.
- Short handle permits use in close quarters.
- Box opening designed to remain on fastener when wrench is struck.
- For use where extreme force is necessary to loosen or set large fasteners.
- Heavy box walls provide greater torque transmission.
- Straight handle design helps prevent the wrench from cocking when struck.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J2717SW	1-1/16	1-25/32	5/8	9-7/8	1.62
J2720SW	1-1/4	2	23/32	10-1/4	1.72
J2723SW	1-7/16	2-17/64	7/8	10-19/32	2.49
J2726SW	1-5/8	2-31/64	61/64	10-15/16	3.17
J2729SW	1-13/16	2-21/32	63/64	11-5/16	3.49
J2732SW	2	3-1/32	1-7/32	11-21/32	4.73
J2735SW	2-3/16	3-9/32	1-15/64	11-5/16	5.33
J2738SW	2-3/8	3-13/32	1-7/16	12-3/8	5.63
J2741SW	2-9/16	3-3/4	1-17/32	12-11/16	6.47
J2744SW	2-3/4	4-11/64	1-17/32	12-13/16	7.56
J2747SW	2-15/16	4-23/64	1-17/32	13-5/16	7.81
J2750SW	3-1/8	4-31/64	1-41/64	13-11/16	9.50
J2756SW	3-1/2	4-31/32	1-23/32	13-29/32	10.54
J2762SW	3-7/8	5-35/64	1-23/32	14-13/32	12.76





BLACK OXIDE HEAVY-DUTY STRIKING WRENCHES - 12 POINT

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping improve speed and access.
- Fits most 4, 6 and 12 point fasteners.
- Large striking surface for surer blow contact and more efficient transmittal of force to fastener.
- Short handle permits use in close quarters.
- Box opening designed to remain on fastener when wrench is struck.
- For use where extreme force is necessary to loosen or set large fasteners.
- Heavy box walls provide greater torque transmission.
- Straight handle design helps prevent the wrench from cocking when struck.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
JSN16	1	1-25/32	5/8	9-7/8	1.90
JSN17	1-1/16	1-25/32	5/8	9-7/8	1.90
JSN18	1-1/8	1-25/32	5/8	9-7/8	1.90
JSN19	1-3/16	2	3/4	10-1/4	2.10
JSN20	1-1/4	2	3/4	10-1/4	2.10

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK OXIDE HEAVY-DUTY OFFSET STRIKING WRENCHES - 12 POINT

- Black oxide finish.
- Large striking surface for surer blow contact and more efficient transmittal of force to fastener.
- Short handle permits use in close quarters.
- Box opening designed to remain on fastener when wrench is struck.
- For use where extreme force is necessary to loosen or set large fasteners.
- Heavy box walls provide greater torque transmission.
- Offset handle clears obstructions.



Product #	Size (in)	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
J2616SW	1		1-25/32	5/8	15/16	8-1/2	1.84
J2617SW	1-1/16	27	1-11/16	5/8	15/16	8-1/2	1.84
J2618SW	1-1/8		1-11/16	5/8	15/16	11	1.79
J2619SW	1-3/16	30	2-1/16	13/16	13/16	10-3/4	2.55
J2620SW	1-1/4		1-7/8	13/16	13/16	10-3/4	2.58
J2621SW	1-5/16		1-7/8	13/16	13/16	11-1/2	2.59
J2622SW	1-3/8	35	2-25/64	1	1-1/2	12	3.40
J2623SW	1-7/16		2-3/16	1	1-1/2	12	3.29
J2624SW	1-1/2	38	2-3/16	1	1-1/2	12	3.35
J2625SW	1-9/16		2-21/32	1-1/8	1-7/16	12-1/4	3.89
J2626SW	1-5/8		2-13/32	1-1/8	1-1/2	12-1/4	4.00
J2627SW	1-11/16	43	2-13/32	1-1/8	1-1/2	13-7/16	3.88
J2628SW	1-3/4		2-19/32	1-3/16	1-9/16	13-7/16	3.90
J2629SW	1-13/16		2-21/32	1-3/16	1-9/16	13-7/16	5.30
J2630SW	1-7/8		2-27/32	1-1/4	1-21/32	13-7/16	5.24
J2631SW	1-15/16		2-27/32	1-1/4	1-7/8	13-7/16	5.20
J2632SW	2	51	2-27/32	1-1/4	1-21/32	13-7/16	5.16
J2633SW	2-1/16		3-1/8	1-1/4	2	13-1/2	6.82
J2634SW	2-1/8	54	3-1/8	1-1/2	2	13-7/8	6.71
J2635SW	2-3/16		3-3/8	1-1/2	2	13-1/2	6.78
J2636SW	2-1/4	57	3-3/8	1-1/2	2	13-1/2	6.30
J2637SW	2-5/16		3-3/8	1-1/2	2	13-1/2	7.94
J2638SW	2-3/8		3-3/8	1-1/2	2	13-1/2	7.86
J2639SW	2-7/16		3-13/16	1-1/2	2-1/4	13-1/2	7.67
J2640SW	2-1/2	64	4	1-1/2	2-1/4	13-1/2	7.62
J2641SW	2-9/16		4	1-1/2	2-1/4	13-1/2	13.43
J2642SW	2-5/8		4	1-1/2	2-1/4	13-1/2	10.42
J2643SW	2-11/16		4-7/32	1-1/2	2-1/4	13-1/2	10.25
J2644SW	2-3/4		4-7/32	1-1/2	2-1/4	13-1/2	10.18
J2646SW	2-7/8	73	4-25/32	1-7/8	2-5/8	16	13.84
J2647SW	2-15/16		4-7/16	1-7/8	2-5/8	16	13.60
J2648SW	3		4-7/16	1-7/8	2-5/8	16	13.44
J2649SW	3-1/16		4-25/32	1-7/8	2-5/8	16	13.37
J2650SW	3-1/8		4-7/16	1-7/8	2-5/8	16	13.18
J2654SW	3-3/8		6-1/4	2-3/8	3-5/8	18	26.88
J2656SW	3-1/2		6-1/4	2-3/8	3-5/8	18	26.37
J2660SW	3-3/4		6-1/4	2-3/8	3-5/8	18	25.03
J2662SW	3-7/8		6-1/4	2-3/8	3-5/8	18	24.58
J2666SW	4-1/8		6-1/4	2-3/8	3-5/8	18	23.47
J2668SW	4-1/4		6-1/4	2-3/8	3-5/8	18	22.75

BLACK OXIDE HEAVY-DUTY METRIC OFFSET STRIKING WRENCHES - 12 POINT

METRIC



- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping improve speed and access.
- Fits most 4, 6 and 12 point fasteners.
- Large striking surface for surer blow contact and more efficient transmittal of force to fastener.
- Short handle permits use in close quarters.
- Box opening designed to remain on fastener when wrench is struck.
- For use where extreme force is necessary to loosen or set large fasteners.
- Heavy box walls provide greater torque transmission.
- Offset handle clears obstructions.

Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
J2632SWM	32	1-57/64	53/64	1-3/16	10-3/4	0.88
J2636SWM	36	2-13/64	63/64	1-1/2	12-1/64	2.13
J2641SWM	41	2-13/32	1-7/64	1-1/2	12-1/4	2.37
J2646SWM	46	2-43/64	1-3/16	1-37/64	13-27/64	2.81
J2650SWM	50	2-53/64	1-17/64	1-21/32	13-27/64	6.36
J2655SWM	55	3-25/64	1-1/2	2-1/64	13-1/2	6.58
J2660SWM	60	3-25/64	1-1/2	2-1/64	13-1/2	9.19
J2665SWM	65	4-1/64	1-1/2	2-1/4	13-1/2	12.61
J2670SWM	70	4-1/64	1-1/2	2-1/4	13-1/2	12.11
J2675SWM	75	4-29/64	1-57/64	2-41/64	15-63/64	13.53
J2680SWM	80	4-29/64	1-57/64	2-41/64	15-63/64	13.16

BLACK OXIDE OFFSET STRIKING DUAL DIMENSION WRENCHES - 12 POINT

METRIC



- Black oxide finish.
- Large striking surface for surer blow contact and more efficient transmittal of force to fastener.
- Short handle permits use in close quarters.
- Box opening designed to remain on fastener when wrench is struck.
- For use where extreme force is necessary to loosen or set large fasteners.
- Heavy box walls provide greater torque transmission.
- Offset handle clears obstructions.

Product #	Size (in)	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
J2617SW	1-1/16	27	1-11/16	5/8	15/16	8-1/2	1.84
J2619SW	1-3/16	30	2-1/16	13/16	13/16	10-3/4	2.55
J2622SW	1-3/8	35	2-25/64	1	1-1/2	12	3.40
J2624SW	1-1/2	38	2-3/16	1	1-1/2	12	3.35
J2627SW	1-11/16	43	2-13/32	1-1/8	1-1/2	13-7/16	3.88
J2632SW	2	51	2-27/32	1-1/4	1-21/32	13-7/16	5.16
J2634SW	2-1/8	54	3-1/8	1-1/2	2	13-7/8	6.71
J2636SW	2-1/4	57	3-3/8	1-1/2	2	13-1/2	6.30
J2640SW	2-1/2	64	4	1-1/2	2-1/4	13-1/2	7.62
J2646SW	2-7/8	73	4-25/32	1-7/8	2-5/8	16	13.84

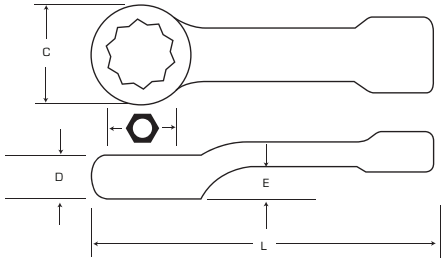
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BLACK OXIDE OFFSET SLUGGING WRENCHES
SUPER HEAVY-DUTY - 12 POINT



- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping improve speed and access.
- Designed for heavy use in close quarters where hammer or sledge is required to loosen frozen nuts or set large fasteners.
- High strength rectangular design withstands heavy sledging; transmits power more effectively to fastener.
- Box opening designed to remain in place on fastener when wrench is struck.
- Heavy box walls provide greater transmission of torque to fastener.
- Straighter handle design than striking wrenches resists springing, nut turns easier.

Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
JUSN321	1-5/16	2-3/8	7/8	11/16	8-3/8	2.03
JUSN322	1-3/8	2-3/8	7/8	11/16	8-3/8	2.00
JUSN323	1-7/16	2-3/8	7/8	11/16	8-3/8	1.95
JUSN324	1-1/2	2-3/4	1-1/8	1	10	3.54
JUSN326	1-5/8	2-3/4	1-1/8	1	10-1/8	3.41
JUSN327	1-11/16	2-3/4	1-1/8	1	10-1/8	3.31
JUSN328	1-3/4	2-3/4	1-1/8	1	10-1/8	3.36
JUSN329	1-13/16	2-3/4	1-1/8	1	10-1/8	3.20
JUSN330	1-7/8	3	1-1/4	1-1/8	10-3/4	3.92
JUSN332	2	3	1-5/16	1-1/8	10-13/16	3.71
JUSN333	2-1/16	3	1-5/16	1-1/8	11	4.21
JUSN334	2-1/8	3	1-5/16	1-1/8	11	4.74
JUSN335	2-3/16	3-9/16	1-3/8	1-1/4	11	5.11
JUSN336	2-1/4	3-9/16	1-3/8	1-1/4	11	4.86
JUSN338	2-3/8	4-1/8	1-5/8	1-1/2	14-1/2	8.75
JUSN339	2-7/16	4-1/8	1-5/8	1-1/2	14-1/2	8.86
JUSN340	2-1/2	4-1/8	1-5/8	1-1/2	14-13/32	8.46
JUSN341	2-9/16	4-1/8	1-5/8	1-1/2	14-1/2	8.37
JUSN342	2-5/8	4-1/8	1-5/8	1-1/2	14-13/32	8.35
JUSN344	2-3/4	4-1/8	1-5/8	1-1/2	14-1/2	7.80
JUSN345	2-13/16	4-5/8	1-7/8	1-3/4	15-13/16	9.06
JUSN347	2-15/16	4-5/8	1-7/8	1-3/4	15-1/2	12.17
JUSN348	3	4-5/8	1-7/8	1-3/4	15-1/2	12.14
JUSN350	3-1/8	4-5/8	1-7/8	1-7/8	15-19/32	11.29
JUSN354	3-3/8	5-1/4	2	1-7/8	17-1/2	15.41
JUSN356	3-1/2	5-1/4	2	1-7/8	17-13/32	15.79
JUSN360	3-3/4	5-1/2	2-1/2	1-7/8	18-3/16	22.74
JUSN362	3-7/8	5-1/2	2-1/2	1-7/8	18	22.11
JUSN366	4-1/8	6-1/8	2-7/8	1-7/8	18-3/16	27.92
JUSN368	4-1/4	6-1/8	2-7/8	1-7/8	18-3/16	26.83
JUSN372	4-1/2	6-5/8	3	1-7/8	20	32.06
JUSN374	4-5/8	6-5/8	3	1-7/8	20-3/16	30.54



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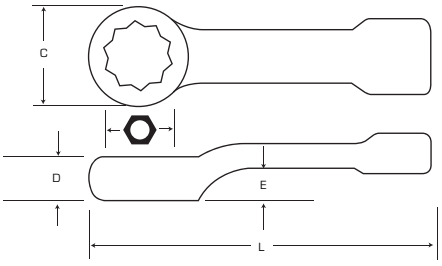
BLACK OXIDE METRIC OFFSET SLUGGING WRENCHES SUPER HEAVY-DUTY - 12 POINT

METRIC

- Non-reflective black oxide finish for use where non-plated products are required.
- 12 point box end allows for fine indexing, helping improve speed and access.
- Fits most 4, 6 and 12 point fasteners.
- Designed for heavy use in close quarters where hammer or sledge is required to loosen frozen nuts or set large fasteners.
- High strength rectangular design withstands heavy sledging.
- Box opening designed to remain in place on fastener when wrench is struck.
- Heavy box walls provide greater transmission of torque to fastener.
- Straighter handle design than striking wrenches resists springing, nut turns easier.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
JHD032M	32	2-23/64	55/64	43/64	8-25/64	1.27
JHD036M	36	2-23/64	55/64	43/64	8-25/64	1.27
JHD041M	41	2-3/4	1-9/64	63/64	10-1/8	1.36
JHD046M	46	2-3/4	1-9/64	63/64	10-1/8	1.31
JHD050M	50	2-63/64	1-17/64	1-7/64	10-3/4	1.80
JHD055M	55	3-37/64	1-3/8	1-17/64	10-63/64	2.27
JHD060M	60	4-9/64	1-39/64	1-1/2	14-31/64	3.63
JHD065M	65	4-9/64	1-39/64	1-1/2	14-31/64	3.50
JHD070M	70	4-9/64	1-39/64	1-1/2	14-31/64	3.36
JHD075M	75	4-41/64	1-57/64	1-47/64	15-3/4	12.15
JHD080M	80	5-15/64	2-1/64	1-27/32	17-23/64	11.35
JHD085M	85	5-15/64	2-1/64	1-27/32	17-23/64	16.96
JHD090M	90	5-33/64	2-33/64	1-57/64	17-3/4	15.16
JHD095M	95	5-33/64	2-33/64	1-57/64	17-3/4	22.75
JHD100M	100	5-63/64	2-7/8	1-31/32	17-63/64	28.51
JHD105M	105	5-63/64	2-7/8	1-31/32	17-63/64	27.26
JHD110M	110	6-1/2	2-63/64	2-3/64	17-63/64	33.22
JHD115M	115	6-1/2	2-63/64	2-3/64	19-49/64	31.89



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® BLACK OXIDE METRIC ENGINEER WRENCHES

- Forged in carbon steel and hardened to high torque applications.
- Hook eye.
- Black oxide finish.
- Long handle for extra leverage



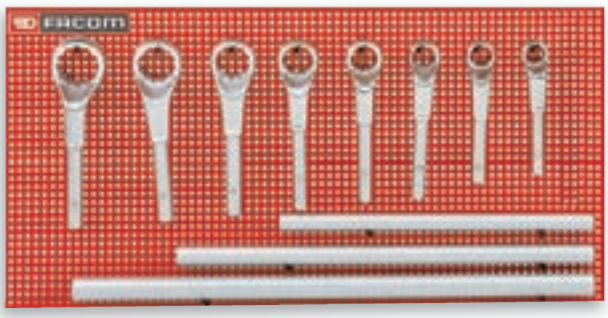
Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
FM-45.30	30	2-7/16	7/16	10-1/4	0.75
FM-45.32	32	2-19/32	15/32	11-7/32	0.92
FM-45.34	34	2-19/32	15/32	12-5/32	1.29
FM-45.36	36	2-29/32	1/2	12-13/32	1.28
FM-45.38	38	2-29/32	1/2	12-19/32	1.63
FM-45.41	41	3-23/64	17/32	13-3/8	1.93
FM-45.46	46	3-49/64	5/8	15-9/16	2.39
FM-45.50	50	4-1/64	5/8	16-23/32	3.05
FM-45.55	55	4-27/64	5/8	16-23/32	3.04
FM-45.60	60	4-53/64	23/32	18-1/2	5.45
FM-45.65	65	5-9/64	23/32	18-1/2	5.43
FM-45.70	70	5-5/8	25/32	19-11/16	7.51
FM-45.75	75	5-15/16	13/16	19-11/16	7.47

11 PIECE FACOM® METRIC LEVERAGE WRENCHES AND HANDLES

Product #: FM-54.P9M

- Weight (lbs): 29.76

Contents	Size (mm)	Point Count	Overall Length (in)
FM-54A.24	24	12	7-3/32
FM-54A.30	30	12	8-9/32
FM-54A.32	32	12	9-7/16
FM-54A.36	36	12	9-27/32
FM-54A.41	41	12	10-5/8
FM-54A.46	46	12	11-1/32
FM-54A.50	50	12	11-5/8
FM-54A.55	55	12	11-11/16
FM-54.M1B	Handle		18
FM-54.M2B	Handle		23-1/2
FM-54.M3B	Handle		30



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FACOM® SATIN METRIC LEVERAGE WRENCHES

FACOM METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Separate removable handle used when extra leverage is needed.
- 12 point, box end allows for fine indexing, helping to improve speed and access.
- 30° offset handle helps clear obstructions.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Use Handle	Weight (lbs)
FM-54A.24	24	1-1/2	21/32	7-3/32	FM-54.M1B	0.89
FM-54A.30	30	1-57/64	23/32	8-9/32	FM-54.M1B	1.09
FM-54A.32	32	1-59/64	23/32	9-7/16	FM-54.M2B	1.60
FM-54A.36	36	2-1/8	25/32	9-27/32	FM-54.M2B	1.71
FM-54A.41	41	2-7/16	7/8	10-5/8	FM-54.M2B	2.05
FM-54A.46	46	2-23/32	29/32	11-1/32	FM-54.M3B	2.61
FM-54A.50	50	2-63/64	1	11-5/8	FM-54.M3B	3.11
FM-54A.55	55	3-3/16	1-1/8	11-11/16	FM-54.M3B	3.27
FM-54A.60	60	3-35/64	1-3/16	13-25/32	FM-54.M4B	4.95
FM-54A.65	65	3-55/64	1-5/16	14-3/8	FM-54.M4B	5.39
FM-54A.70	70	4-9/64	1-13/32	14-3/8	FM-54.M4B	6.05

FACOM® SATIN LEVERAGE WRENCH HANDLES

FACOM

- Removable handle
- Satin finish provides corrosion resistance and a slip-resistant grip.

Product #	Overall Length (in)	Weight (lbs)
FM-54.M1B	18	1.35
FM-54.M2B	23-1/2	2.44
FM-54.M3B	30	4.73
FM-54.M4B	33-9/32	6.31



3 PIECE ADJUSTABLE WRENCH SET

Product #: J795

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.
- Rugged I-beam style handle and reinforced stress areas; radius corner design.
- Weight (lbs): 2.6



Contents	Max. Opening (in)	Overall Length (in)
J708	1-1/8	8
J710	1-5/16	10
J712	1-1/2	12
J25TR22C	Tool Roll	

ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3 PIECE CLIK-STOP® ADJUSTABLE WRENCH SET

Product #: J790



- Clik-Stop® locking design holds the moving jaw of an adjustable wrench in place when the wrench is in use.
- Satin finish provides corrosion resistance and a slip-resistant grip.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.
- Weight (lbs): 3.08

Contents	Max. Opening (in)	Overall Length (in)
J708L	1-1/8	8
J710L	1-5/16	10
J712L	1-1/2	12
J25TR22C	Tool Roll	

ASME B107.100

SATIN CLIK-STOP® ADJUSTABLE WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.
- Clik-Stop® locking design holds the moving jaw of an adjustable wrench in place when the wrench is in use.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704L	1/2	4	0.13
J706L	5/16	6	0.34
J708L	1-1/8	8	0.57
J710L	1-5/16	10	0.95
J712L	1-1/2	12	1.54
J715L	1-11/16	15	3.13
J718L	2-1/16	18	5.73
J724L	2-7/16	24	8.84

ASME B107.100



BLACK OXIDE CLIK-STOP® ADJUSTABLE WRENCHES

- Non-reflective black oxide finish for use where non-plated products are required.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.
- Clik-Stop® locking design holds the moving jaw of an adjustable wrench in place when the wrench is in use.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704SL	1/2	4	0.14
J706SL	5/16	6	0.28
J708SL	1-1/8	8	0.57
J710SL	1-15/16	10	1.06
J712SL	1-1/2	12	1.50
J715SL	1-11/16	15	3.07
J718SL	2-1/16	18	5.60

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CUSHION GRIP ADJUSTABLE WRENCHES

- Soft cushion grip for additional comfort.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704G	1/2	4	0.13
J706G	15/16	6	0.25
J708G	1-1/8	8	0.59
J710G	1-5/16	10	0.80
J712G	1-1/2	12	1.61

ASME B107.100



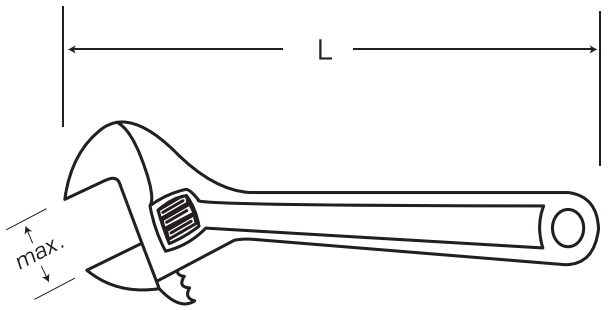
SATIN ADJUSTABLE WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.
- Rugged I-beam style handle and reinforced stress areas; radius corner design.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704	1/2	4	0.17
J706	15/16	6	0.28
J708	1-1/8	8	0.58
J710	1-5/16	10	0.90
J712	1-1/2	12	1.58
J715	1-11/16	15	3.00
J718	2-1/16	18	4.26
J724	2-7/16	24	6.41

AS4984 ASME B107.100





BLACK OXIDE ADJUSTABLE WRENCHES

- Non-reflective black oxide finish for use where non-plated products are required.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704S	1/2	4	0.17
J706S	15/16	6	0.28
J708S	1-1/8	8	0.58
J710S	1-5/16	10	0.90
J712S	1-1/2	12	1.58
J715S	1-11/16	15	3.00
J718S	2-1/16	18	4.26
J724S	2-7/16	24	6.41

ASME B107.100



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED ADJUSTABLE WRENCHES

- Finger stops help keep hands safe.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity is compromised.
- Graduated head, 15° angle.
- Burnished finish.
- Thumbwheel rotates counterclockwise.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
FA-113.8TAVSE	1-1/16	8-15/32	0.83
FA-113.10TAVSE	1-3/16	10-7/16	1.37
FA-113.12TAVSE	1-11/32	12-19/32	1.93
FA-113.15TAVSE	1-47/64	15-9/16	3.12

BLACK OXIDE SPUD HANDLE ADJUSTABLE WRENCH

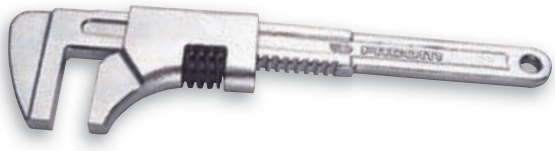
- Non-Reflective black oxide finish for use where none plated products are required.
- Large jaw opening fits all nuts and bolts up to 1-1/2 inches.
- Square jaw opening provides strength and tight fit.
- Eliminates the need for carrying several fixed size wrenches.
- Hardened taper handle aligns bolt and rivet holes.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J712SC	1-1/2	16-3/32	2.45

FACOM® SATIN MONKEY WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Sturdy, wide-opening tools for heavy-duty work on farms and building sites.
- Fixed jaw/handle and worm gear made from hardened steel.
- Smooth jaw faces help prevent marring of fastener surfaces.



Product #	Max Opening (in)	Jaw Depth (in)	Jaw Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-105.230	2-3/8	1-25/32	25/32	19/32	9-1/16	1.15
FA-105.280	2-3/4	1-11/32	21/32	25/32	11-1/32	1.79
FA-105.375	3-1/8	1-25/32	7/8	7/8	14-23/32	3.36

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PROTO-GRIP™ CAST IRON PIPE WRENCHES

- Gripping jaw teeth and spring-loaded hook jaw; allow one-hand operation or hands free option along with a ratcheting action for job speed.
- Standard handle lengths with wide gripping surface for increased comfort on all jobs.
- Forged steel jaw provides outstanding strength.
- Heel Jaw designed to work in both directions.
- Spring hook jaw provides a ratcheting function making threaded pipe fitting efficient.
- Hanging hole for storage.
- Field repairable by removing the rivet pin located on the bottom side of the jaw.
- Replacement parts available.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J810PG	1-1/2	10	1.98
J814PG	2	14	3.64

ALUMINUM PIPE WRENCHES

- Light weight aluminum for less job fatigue.
- Standard handle lengths with wide gripping surface for increased comfort and one-hand operation.
- Forged steel jaw provides outstanding strength.
- Large knurl and power threads provide fast, positive jaw adjustment.
- Graduation markings on hook jaw show approximate opening for pipe sizes.
- Riveted jaw pin for safety.
- Hanging hole for storage.
- Field repairable by removing the rivet pin located on the bottom side of the jaw.
- Replacement parts available.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J810A	1-1/2	10	1.10
J812A	2	12	1.72
J814A	2	14	2.15
J818A	3-1/2	18	3.60
J824A	4	24	5.65
J836A	5	36	10.60
J848A	6	48	17.00

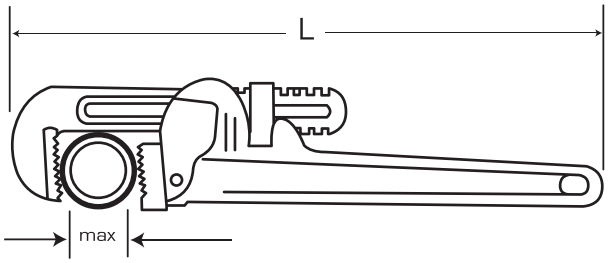
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HEAVY-DUTY CAST IRON PIPE WRENCHES

- Forged steel jaw provides outstanding strength.
- Full floating hook jaw, provides instant grip, easy release.
- Large knurl and power threads provide fast, positive jaw adjustment.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J806HD	3/4	6	0.45
J808HD	1	8	0.80
J810HD	1-1/2	10	1.76
J812HD	2	12	2.66
J814HD	2	14	3.76
J818HD	3-1/2	18	5.82
J824HD	4	24	9.58
J836HD	5	36	19.32
J848HD	6	48	35.36
J860HD	8	60	41.40





PIPE WRENCH REPLACEMENT PARTS

- Replacement parts for heavy-duty pipe wrenches.

Parts For	Handle, Heel Jaw, and Pin Assemble	Weight (lbs)	Hook Jaw	Weight (lbs)	Heel Jaw and Pin	Weight (lbs)	Knurl	Weight (lbs)	Coil and Flat Spring	Weight (lbs)
J806HD	J806H	0.33	J806B	0.11	J806C	0.02	J806D	0.03	J806E	0.01
J808HD	J808H	0.61	J808B	0.23	J808C	0.04	J808D	0.03	J808E	0.01
J810HD	J810H	1.20	J810B	0.45	J810C	0.08	J810D	0.07	J810E	0.01
J812HD	J812H	1.97	J812B	0.68	J812C	0.15	J812D	0.09	J812E	0.02
J814HD	J814H	2.79	J814B	0.97	J814C	0.15	J814D	0.11	J814E	0.03
J818HD	J818H	4.09	J818B	1.57	J818C	0.23	J818D	0.18	J818E	0.04
J824HD	J824H	7.35	J824B	2.36	J824C	0.32	J824D	0.31	J824E	0.06
J836HD	J836H	14.40	J836B	4.37	J836C	0.58	J836D	0.47	J836E	0.07
J848HD	–	–	J848B	7.31	J848C	0.72	J848D	0.68	J848E	0.11
J860HD	–	–	J860B	12.50	J860C	1.50	J860D	0.85	J860E	0.08

Parts For	Hook Jaw	Weight (lbs)	Heel Jaw	Weight (lbs)	Pin	Weight (lbs)	Spring	Weight (lbs)
J810PG	J810PGB	0.60	J810PGC	0.31	J810PGD	0.04	J810PGE	0.01
J814PG	J814PGB	0.84	J814PGC	0.29	J814PGD	0.08	J814PGE	0.01

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4 PIECE INTERNAL PIPE WRENCH SET

Product #: J140SET

- Ideal for removing broken threaded pipe ends, plugs, and fittings.
- Installation and removal without thread damage.
- Eccentric cam action engages wrench against the walls of the pipe.
- Hex body allows for use of adjustable wrench for added torque.
- Made from hardened steel and plated to help prevent rust.
- Weight (lbs): 1.95

Contents	Size (in)	Overall Length (in)
J140-38	3/8	3
J140-34	3/4	3
J140-12	1/2	3
J140-1	1	3



INTERNAL PIPE WRENCHES

- Ideal for removing broken threaded pipe ends pipe plugs and fittings.
- Installation and removal without thread damage.
- Eccentric cam action engages wrench against the walls of the pipe.
- Hex body allows for use of adjustable wrench for added torque.
- Made from hardened steel and plated to help prevent rust.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J140-38	3/8	3	0.21
J140-34	3/4	3	0.49
J140-12	1/2	3	0.32
J140-1	1	3	0.85



UNIVERSAL CHAIN WRENCH

- Fits any shape pipe.
- Forged steel handle has deep milled teeth.
- Chain capacity rating: 6,200 lbs.

Product #	Capacity Range (in)	Overall Length (in)	Weight (lbs)
J801	7/8 to 4	16-1/2	2.33



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UNIVERSAL CHAIN WRENCH REPAIR KIT

- Fits any shape pipe.
- Chain capacity rating: 6,200 lbs.



Product #	Overall Length (in)	Weight (lbs)
J801RK	6-1/5	0.73

BLACK OXIDE ADJUSTABLE FACE SPANNER WRENCHES

- Non-reflective black oxide finish for use where non-plated products are required.
- Precision machined pins provide engagement with holes or slots on the face of a bearing or nut.
- Used to tighten collars, lock nut rings and seal/packing nuts on hydraulic cylinders.



Product #	Max Opening (in)	Pin Diameter (in)	Pin Length (in)	Overall Length (in)	Weight (lbs)
JC482	2	3/16	1/4	6-3/8	0.31
JC483	3	1/4	1/4	8-1/4	0.52
JC484	4	5/16	1/2	10-3/8	1.02

FACOM® SATIN FACE SPANNER - ROUND PIN

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Precision machined pins provide engagement with round holes on the face of the nut.
- Each double-ended, round interchangeable pin has two diameters for a variety of applications.



Product #	Max Opening (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-117.B	4	1-25/32	9-3/4	1.45

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FACOM® SATIN METRIC PIN REPLACEMENTS - ROUND

FACOM METRIC

Product #	Size (mm)	Pin Diameter (in)	Height (in)	Weight (lbs)
FA-117.E1	2.5 - 4	3/32 & 5/32	19/32	0.03
FA-117.E2	6 - 8	1/4 & 5/16	19/32	0.05
FA-117.E3	3 - 5	1/8 & 3/16	19/32	0.03
FA-117.E4	7 - 9	9/32 & 11/32	19/32	0.06



FACOM® SATIN FACE SPANNER - SQUARE PIN

FACOM

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Precision machined square pins provide engagement with square holes or slots on the face of the nut.
- Interchangeable pins are easy to swap out.



Product #	Max Opening (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-118A	4	1-25/32	9-3/4	1.41

FACOM® SATIN METRIC PIN REPLACEMENTS - SQUARE

FACOM METRIC

Product #	Size (mm)	Pin Diameter (in)	Height (in)	Weight (lbs)
FA-118.EC4	4	5/32	19/32	0.02
FA-118.EC5	5	6/32	3/8	0.02
FA-118.EC8	8	10/32	3/8	0.03



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® METRIC HINGED HOOK SPANNER WRENCHES



Product #	Size (mm)	Max Opening (in)	Head Thickness (in) (D)	Hook Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-125A.35	15-35	1-1/2	13/64	1/8	5/16	6-39/64	0.17
FA-125A.50	35-50	1-31/32	15/64	5/32	7/16	7-61/64	0.37
FA-125A.80	50-80	3-5/32	5/16	13/64	7/16	11-1/32	0.83
FA-125A.120	80-120	4-23/32	23/64	7/32	15/32	13-37/64	1.54
FA-125A.180	120-180	7-3/32	7/16	19/64	15-15/16	19-3/8	3.26

FACOM® HEAVY-DUTY METRIC HOOK SPANNER WRENCHES



Product #	Size (mm)	Hook Thickness (in)	Overall Length (in)	Weight (lbs)
FA-119.3/8	120-224	3/8	24	6.96
FA-119.3/4	220-324	3/4	26	13.01

ADJUSTABLE HOOK SPANNER WRENCHES

- Non-reflective black oxide finish for use where non-plated products are required.
- Use to tighten side slot nuts on collars, lock nuts and bearings.



Product #	Capacity Range	Hook Thickness (in)	Hook Depth (in)	Overall Length (in)	Weight (lbs)
JC471	3/4 to 2	11/32	1/8	6-3/8	0.23
JC472	1-1/4 to 3	13/32	5/32	8-1/8	0.43
JC474	2 to 4-3/4	15/32	3/16	11-3/8	1.03
JC474A	4-1/2 to 6-1/4	15/32	1/4	12-1/8	1.07
JC474B	6-1/8 to 8-3/4	15/32	5/16	13-3/4	1.40

FACOM® ADJUSTABLE HEAVY-DUTY HOOK WRENCHES

- Satin finish provides corrosion resistance anda slip-resistant grip.
- Hook design is used to tighten side slots on collars, lock nuts and bearings.
- Worm gear design allows for precision adjustments.



Product #	Size (in)	Max Opening (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-115A.50	1	1-31/32	31/32	20-7/8	0.83
FA-115A.100	3	3-15/16	25/32	8-15/32	1.96
FA-115A.200	7	7-7/8	25/32	14-3/8	4.57

ADJUSTABLE PIN SPANNER WRENCHES

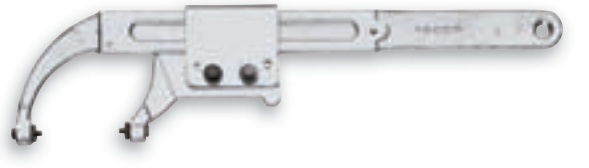
- Non-reflective black oxide finish for use where non-plated products are required.
- Precision machined pins provide engagement with side holes or slots.
- Used to tighten side slot nuts on collars, lock nuts and bearings.



Product #	Capacity Range	Pin Diameter (in)	Pin Length (in)	Hook Thickness (in)	Overall Length (in)	Weight (lbs)
JC491	3/4 to 2	1/8	1/8	11/32	6-3/8	0.23
JC492	3/4 to 2	3/16	5/32	11/32	6-3/8	0.23
JC494	1-1/4 to 3	3/16	3/16	13/32	8-1/8	0.42
JC495	1-1/4 to 3	1/4	7/32	13/32	8-1/8	0.42
JC497	2 to 4-3/4	1/4	1/4	15/32	11-3/8	0.99
JC499	4-1/2 to 6-1/4	3/8	1/4	15/32	12-1/8	1.08

FACOM® PRECISION ADJUSTABLE PIN SPANNER WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Sliding jaw moves easily along the shank and is designed to be self-locking on to the nut.
- Precision machined pins provide engagement with holes on the sides of collars and nuts.
- Interchangeable pins are easy to swap out.



Product #	Size (in)	Max Opening (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-116.50	1	1-31/32	31/32	8-15/32	0.86
FA-116.100	3	3-15/16	31/32	14-1/4	1.99
FA-116.200	7	7-7/8	1-3/16	20-3/4	4.76

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® PIN REPLACEMENTS FOR FA-116 SERIES

- Replacement pins for Facom® FA-116.50, FA-116.100 and FA-116.200 Precision Adjustable Pin Spanner Wrenches.
- Precision machined pins provide engagement with holes on the sides of collars and nuts.
- Interchangeable pins are easy to swap out.

Product #	Pin Diameter (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-116.50E1	3/32	3/8	25/32	0.01
FA-116.50E2	5/32	3/8	25/32	0.01
FA-116.100E1	5/32	19/32	31/32	0.03
FA-116.100E2	1/4	19/32	31/32	0.03
FA-116.200E1	1/4	19/32	1-3/16	0.08
FA-116.200E2	5/16	19/32	1-3/16	0.08



FACOM® METRIC HINGED PIN SPANNER WRENCHES



Product #	Size (mm)	Max Opening (in)	Pin Diameter (in)	Hook Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-126A.35	15-35	1-2/4	1/8	25/64	19/32	6-39/64	0.17
FA-126A.50	35-50	1-31/32	5/32	15/32	15/32	7-61/64	0.37
FA-126A.80	50-80	3-5/32	13/64	35/64	15/32	11-1/32	0.79
FA-126A.120	80-120	4-23/32	15/64	45/64	21/32	13-37/64	1.54
FA-126A.180	120-180	7-3/32	5/16	25/32	23/32	19-3/8	3.17

FACOM® PIN REPLACEMENTS FOR FA-126A SERIES

- Replacement pins for Facom® FA-126A.35, FA-126A.50, FA-126A.80, FA-126A.120 and FA-126A
- 180 Hinged Pin Spanner Wrenches.

Product #	Pin Diameter (in)	Height (in)	Weight (lbs)
FA-126.E35	4/32	3/8	0.01
FA-126.E50	5/32	3/8	0.01
FA-126.E80	6/32	3/8	0.01
FA-126.E120	8/32	19/32	0.04
FA-126.E180	10/32	25/32	0.07



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A GOOD SCREWDRIVER IS A TOOL YOU CAN USE ALL DAY AND NOT TIRE OF IT.

It fits your hand. It has a certain heft. It's balanced. At Proto®, we craft professional grade screwdrivers and nut drivers with a full range of tip and drive variations. We make them with round and square steel alloy shanks, heat-treated along their entire length. We include features that enhance performance, for example, cross-ground slotted tips that don't climb out of screw slots. And we make specialty variations, like our fully insulated, 1,000 volt line which prevents hock and is tested by hand. Pick up a Proto® driver and you won't want to put it down.

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SCREWDRIVERS, HEX KEYS, AND NUT DRIVERS



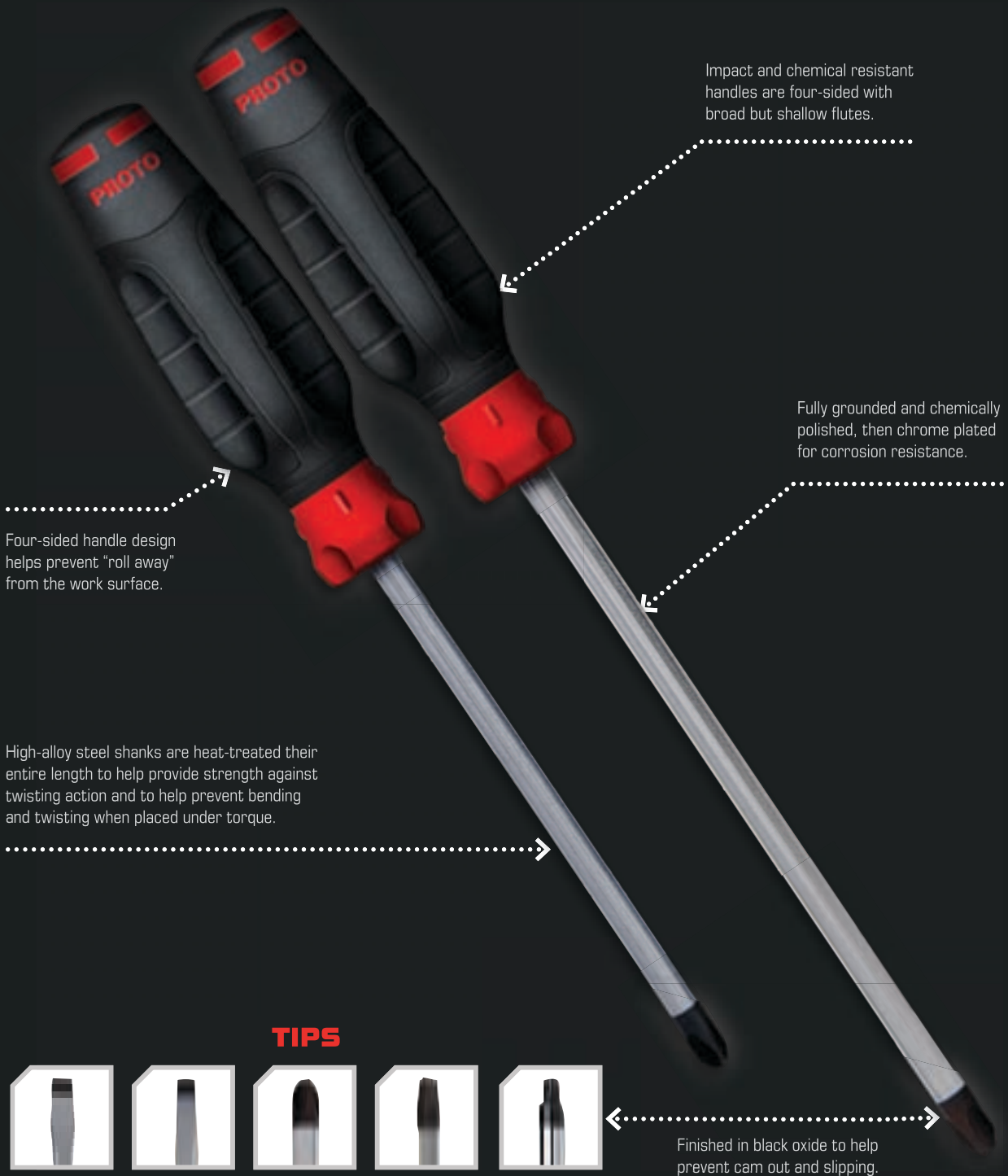
Proto® Phillips® Tip Screwdriver

PROTO

PROTO

PROTO® SCREWDRIVERS

- Ergonomically designed quad-lobe handle design with 360° texture for additional grip.
- Designed to meet demanding heavy-duty needs of industrial maintenance and assembly applications.



Impact and chemical resistant handles are four-sided with broad but shallow flutes.

Fully grounded and chemically polished, then chrome plated for corrosion resistance.

Four-sided handle design helps prevent "roll away" from the work surface.

High-alloy steel shanks are heat-treated their entire length to help provide strength against twisting action and to help prevent bending and twisting when placed under torque.

Finished in black oxide to help prevent cam out and slipping.

TIPS

Cabinet | Keystone | Phillips® | Torx® | Square

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Torx® is a trademark of Acument Intellectual Properties, LLC

SCREWDRIVER GUIDE



PROTO®



INSERT BIT



SUPER PROTO®



OFFSET



SOFT GRIP



NUT DRIVER



HEX



INSULATED NUT DRIVER

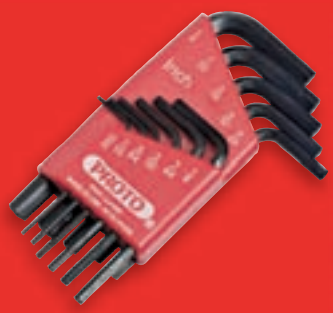


INSULATED



INSULATED T-HANDLE

HEX KEY STYLE



STANDARD



METRIC



T-HANDLE



FOLDING



FEATURES AND BENEFITS — QUAD-LOBE

- Ergonomically designed quad-lobe handle design with 360° texture for additional grip.
- Designed to meet demanding heavy-duty needs of industrial maintenance and assembly applications.

HANDLE

- Impact and chemical resistant handles are four-sided with broad but shallow flutes.
- Resistant to most harsh chemicals (including hydraulic fluids used in the aerospace industry).
- Four-sided handle design helps prevent "roll away" from the work surface.

SHANK

- High-alloy steel shanks are heat-treated their entire length to help provide strength against twisting action and to help prevent bending and twisting when placed under torque.
- Fully grounded and chemically polished, then chrome plated for corrosion resistance.

TIP

- Made of high-alloy steel (same as shank).
- Precision machined for precise fastener fit.
- Finished in black oxide to help prevent cam out and slipping.
- Tips are un-plated with a black oxide finish to help prevent chrome peeling; an important Foreign Object Debris (FOD) concern.



- Ergonomically designed handle design for improved grip



- Black oxide tip prevents chrome peeling

SCREWDRIVER PRODUCT NUMBER IDENTIFICATION

Proto®'s item numbering system for screwdrivers is designed to make it easy for users to identify the tool that has the size and configuration that best meets their needs.

EXAMPLE: **JPB0408RP**

Part Number Key

Feature Code - Series (1st Position)	P = Phillips®	C = Cabinet	K = Keystone
	S = Square	T = Torx®	N = Nut Driver
	H = Hex	Z = Pozi	
Feature Code - Series (2nd Position)	B = Bolster	P = Precision	
Tip Size			
Bar Length			
Feature Code - Bar Style	R = Round Bar	S = Square Bar	
Feature Code - Special Feature	P = Polish	H = Hollow	

19 PIECE COMBINATION PROTO® SCREWDRIVER SET

Product #: J1219SC

Delayed Availability

Representative Image

› Quad-lobe features apply. (See pages 670 or 676)



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JCP1803R	Screwdriver, Slotted Cabinet, Round 1/8" x 3"	1/8	Cabinet	3	Round	5	ASME B107.600
JCP1804R	Screwdriver, Slotted Cabinet, Round1/8" x 4"	1/8	Cabinet	4	Round	6	ASME B107.600
JCP1808R	Screwdriver, Slotted Cabinet, Round 1/8" x 8"	1/8	Cabinet	8	Round	10	ASME B107.600
JC31604R	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	7	ASME B107.600
JK31604S	Screwdriver, Slotted Keystone, Square 3/16" x 4"	3/16	Keystone	4	Square	7	ASME B107.600
JC31608R	Screwdriver, Slotted Cabinet, Round 3/16" x 8"	3/16	Cabinet	8	Round	11	ASME B107.600
JK14112R	Screwdriver, Slotted Keystone, Round, Stubby 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-1/2	ASME B107.600
JK1404S	Screwdriver, Slotted Keystone, Square 1/4" x 4"	1/4	Keystone	4	Square	8	ASME B107.600
JK51606S	Screwdriver, Slotted Keystone, Square 5/16" x 6"	5/16	Keystone	6	Square	10	ASME B107.600
JK3808S	Screwdriver, Slotted Keystone, Square 3/8" x 8"	3/8	Keystone	8	Square	13	ASME B107.600
JK3812S	Screwdriver, Slotted Keystone, Square Bar 3/8" x 12"	3/8	Keystone	12	Square	17	ASME B107.600
JPP0003R	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	5-3/4	ASME B107.600
JP0103R	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-3/4	ASME B107.600
JP0108R	Screwdriver, Phillips® Round #1 x 8"	1	Phillips®	8	Round	11-3/4	ASME B107.600
JP02112R	Screwdriver, Phillips® Round Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	3-1/2	ASME B107.600
JP0204R	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8	ASME B107.600
JP0208R	Screwdriver, Phillips® Round #2 x 8"	2	Phillips®	8	Round	12	ASME B107.600
JP0306R	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-3/8	ASME B107.600
JP0408R	Screwdriver, Phillips® Round #4 x 8"	4	Phillips®	8	Round	13	ASME B107.600



8 PIECE COMBINATION PROTO® SCREWDRIVER SET

Product #: J1208SC

Delayed Availability

Representative Image

- Quad-lobe features apply. (See pages 670 or 676)



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JC31603R	Screwdriver, Slotted Cabinet, Round 3/16" x 3"	3/16	Cabinet	3	Round	6	ASME B107.600
JC31604R	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	7	ASME B107.600
JC31605R	Screwdriver, Slotted Cabinet, Round 3/16" x 5"	3/16	Cabinet	5	Round	8	ASME B107.600
JK1404R	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	8	ASME B107.600
JK51606R	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	10-3/8	ASME B107.600
JP0103R	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-3/4	ASME B107.600
JP0204R	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8	ASME B107.600
JP0306R	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-3/8	ASME B107.600

8 PIECE COMBINATION PROTO® SCREWDRIVER SET

Product #: J1208SCP

Delayed Availability

Representative Image

- Quad-lobe features apply. (See pages 670 or 676)



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in)	ASME Spec.
JK14112RP	Screwdriver, Slotted, Round 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	–	3-1/2	ASME B107.600
JKB31603RP	Screwdriver, Slotted Keystone, Round 3/16" x 3"	3/16	Keystone	3	Round	Yes	6-3/4	ASME B107.600
JKB1404RP	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	Yes	8	ASME B107.600
JKB51606RP	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	Yes	10-3/8	ASME B107.600
JKB3808RP	Screwdriver, Slotted Keystone, Round 3/8" x 8"	3/8	Keystone	8	Round	Yes	13	ASME B107.600
JP02112RP	Screwdriver, Phillips® Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	–	3-1/2	ASME B107.600
JPB0103RP	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	Yes	6-3/4	ASME B107.600
JPB0204RP	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	Yes	8	ASME B107.600

6 PIECE COMBINATION PROTO® SCREWDRIVER SET

Product #: J1206SCP

› Quad-lobe features apply. (See pages 670 or 676)

Delayed Availability

Representative Image



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in)	ASME Spec.
JKB31603RP	Screwdriver, Slotted Keystone, Round 3/16" x 3"	3/16	Keystone	3	Round	Yes	6-3/4	ASME B107.600
JKB1404RP	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	Yes	8	ASME B107.600
JKB51606RP	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	Yes	10-3/8	ASME B107.600
JPB0103RP	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	Yes	6-3/4	ASME B107.600
JPB0204RP	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	Yes	8	ASME B107.600
JPB0306RP	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	Yes	10-3/8	ASME B107.600

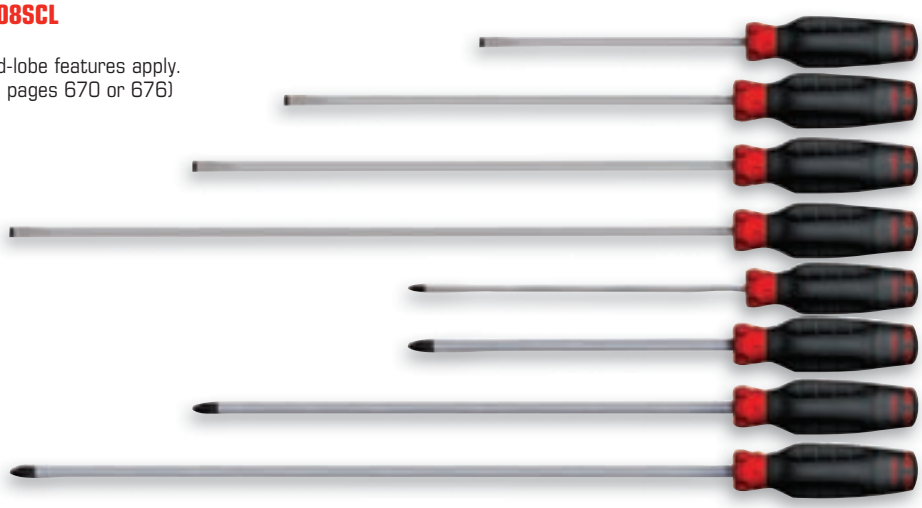
8 PIECE LONG COMBINATION PROTO® SCREWDRIVER SET

Product #: J1208SCL

› Quad-lobe features apply. (See pages 670 or 676)

Delayed Availability

Representative Image



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in)	ASME Spec.
JC31606R	Screwdriver, Slotted Cabinet, Round 3/16" x 6"	3/16	Cabinet	6	Round	–	9	ASME B107.600
JC1410R	Screwdriver, Slotted Cabinet, Round 1/4" x 10"	1/4	Cabinet	10	Round	–	14	ASME B107.600
JC1412R	Screwdriver, Slotted Cabinet, Round1/4" x 12"	1/4	Cabinet	12	Round	–	16	ASME B107.600
JC1416R	Screwdriver, Slotted Cabinet, Round 1/4" x 16"	1/4	Cabinet	16	Round	–	20	ASME B107.600
JP0108R	Screwdriver, Phillips® Round #1 x 8"	1	Phillips®	8	Round	–	11-3/4	ASME B107.600
JP0208R	Screwdriver, Phillips® Round #2 x 8"	2	Phillips®	8	Round	–	12	ASME B107.600
JP0212R	Screwdriver, Phillips® Round #2 x 12"	2	Phillips®	12	Round	Yes	16	ASME B107.600
JP0216R	Screwdriver, Phillips® Round #2 x 16"	2	Phillips®	16	Round	Yes	20	ASME B107.600



2 PIECE EXTRA-LONG COMBINATION PROTO® SCREWDRIVER SET

Product #: J1202SCXL

Delayed Availability

Representative Image

› Quad-lobe features apply. (See pages 670 or 676)



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JK1424R	Screwdriver, Slotted Keystone, Round 1/4" x 24"	1/4	Keystone	24	Round	28-1/2	ASME B107.600
JP0224R	Screwdriver, Phillips® Round #2 x 24"	2	Phillips®	24	Round	28-1/2	ASME B107.600

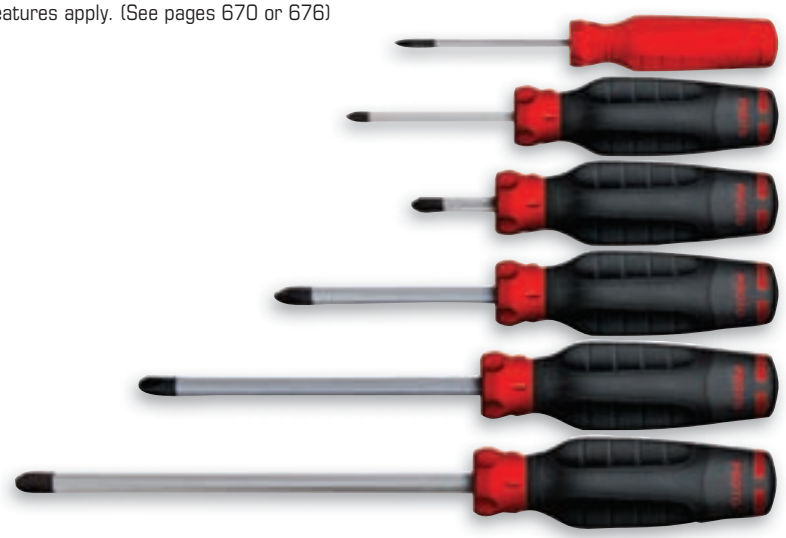
6 PIECE PHILLIPS® PROTO® SCREWDRIVER SET

Product #: J1206SP

Delayed Availability

Representative Image

› Quad-lobe features apply. (See pages 670 or 676)



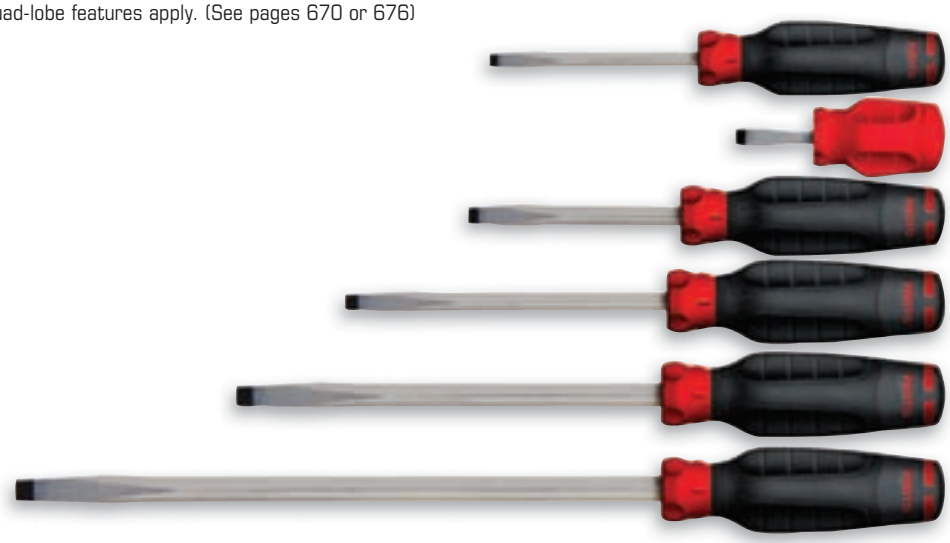
Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JPP0003R	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	5-3/4	ASME B107.600
JP0103R	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-3/4	ASME B107.600
JP02112R	Screwdriver, Phillips® Round, Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	3-1/2	ASME B107.600
JP0204R	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8	ASME B107.600
JP0306R	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-3/8	ASME B107.600
JP0408R	Screwdriver, Phillips® Round #4 x 8"	4	Phillips®	8	Round	13	ASME B107.600

6 PIECE SLOTTED PROTO® SCREWDRIVER SET

Product #: J1206SSF

› Quad-lobe features apply. (See pages 670 or 676)

Delayed Availability
Representative Image



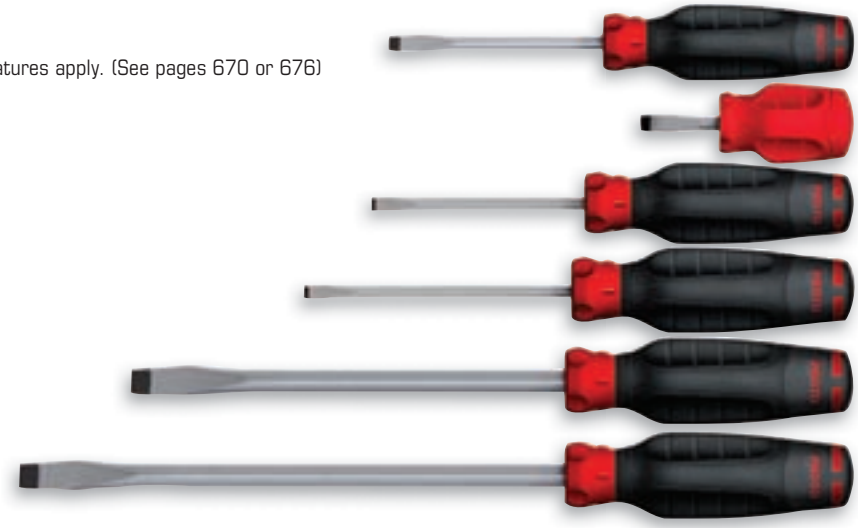
Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JK31604S	Screwdriver, Slotted Keystone, Square 3/16" x 4"	3/16	Keystone	4	Square	7	ASME B107.600
JK14112R	Screwdriver, Slotted Keystone, Round, Stubby 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-1/2	ASME B107.600
JK1404S	Screwdriver, Slotted Keystone, Square 1/4" x 4"	1/4	Keystone	4	Square	8	ASME B107.600
JK51606S	Screwdriver, Slotted Keystone, Square 5/16" x 6"	5/16	Keystone	6	Square	10	ASME B107.600
JK3808S	Screwdriver, Slotted Keystone, Square 3/8" x 8"	3/8	Keystone	8	Square	13	ASME B107.600
JK3812S	Screwdriver, Slotted Keystone, Square 3/8" x 12"	3/8	Keystone	12	Square	17	ASME B107.600

6 PIECE SLOTTED PROTO® SCREWDRIVER SET

Product #: J1206SRF

› Quad-lobe features apply. (See pages 670 or 676)

Delayed Availability
Representative Image



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JC31604R	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	7	ASME B107.600
JK14112R	Screwdriver, Slotted Keystone, Round, Stubby 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-1/2	ASME B107.600
JK1404R	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	8	ASME B107.600
JK51606R	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	10-3/8	ASME B107.600
JK3808R	Screwdriver, Slotted Keystone, Round 3/8" x 8"	3/8	Keystone	8	Round	13	ASME B107.600
JK3810R	Screwdriver, Slotted Keystone, Round 3/8" x 10"	3/8	Keystone	10	Round	11	ASME B107.600

9 PIECE TORX® PROTO® SCREWDRIVER SET

Product #: J1209ST

- Quad-lobe features apply. (See pages 670 or 676)

Delayed Availability

Representative Image



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)
JT8314R	Screwdriver, Torx® Round T8 x 3-1/2"	T8	Torx®	3-1/4	Round	7
JT10314R	Screwdriver, Torx® Round T10 x 3-1/2"	T10	Torx®	3-1/4	Round	7
JT15314R	Screwdriver, Torx® Round T15 x 3-1/2"	T15	Torx®	3-1/4	Round	7
JT20314R	Screwdriver, Torx® Round T20 x 3-1/2"	T20	Torx®	3-1/4	Round	7
JT25314R	Screwdriver, Torx® Round T25 x 3-1/2"	T25	Torx®	3-1/4	Round	7
JT27314R	Screwdriver, Torx® Round T27 x 4"	T27	Torx®	4	Round	8
JT30314R	Screwdriver, Torx® Round T30 x 4"	T30	Torx®	4	Round	8
JT40314R	Screwdriver, Torx® Round T40 x 6"	T40	Torx®	6	Round	10-3/8
JT45314R	Screwdriver, Torx® Round T45 x 6"	T45	Torx®	6	Round	10-3/8

FEATURES AND BENEFITS — QUAD-LOBE

- Ergonomically designed quad-lobe handle design with 360° texture for additional grip.
- Designed to meet demanding heavy-duty needs of industrial maintenance and assembly applications.

HANDLE

- Impact and chemical resistant handles are four-sided with broad but shallow flutes.
- Resistant to most harsh chemicals (including hydraulic fluids used in the aerospace industry).
- Four-sided handle design helps prevent "roll away" from the work surface.

SHANK

- High-alloy steel shanks are heat-treated their entire length to help provide strength against twisting action and to help prevent bending and twisting when placed under torque.
- Fully grounded and chemically polished, then chrome plated for corrosion resistance.

TIP

- Made of high-alloy steel (same as shank).
- Precision machined for precise fastener fit.
- Finished in black oxide to help prevent cam out and slipping.
- Tips are un-plated with a black oxide finish to help prevent chrome peeling; an important Foreign Object Debris (FOD) concern.



- Ergonomically designed handle design for improved grip



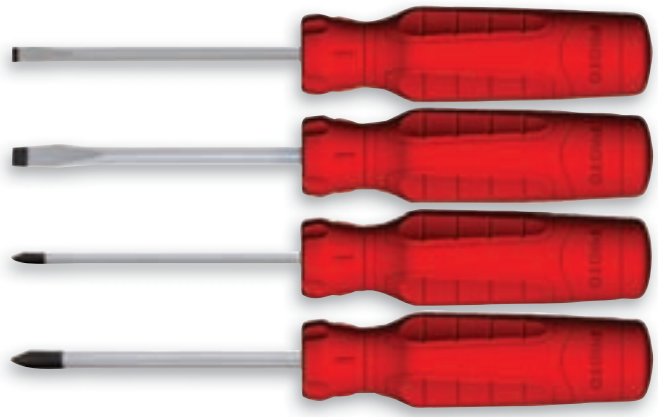
- Black oxide tip prevents chrome peeling

4 PIECE PRECISION COMBINATION PROTO® SCREWDRIVER SET

Product #: J1204SC

Delayed Availability

› Quad-lobe features apply. (See pages 670 or 676)



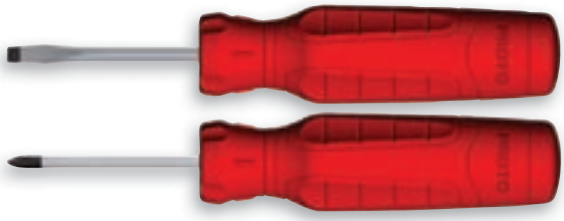
Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JCP1803R	Screwdriver, Slotted Cabinet, Round 1/8" x 3"	1/8	Cabinet	3	Round	5	ASME B107.600
JCP31603R	Screwdriver, Slotted Cabinet, Round 3/16" x 3"	3/16	Cabinet	3	Round	6-5/16	ASME B107.600
JPP0003R	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	5-3/4	ASME B107.600
JPP0103R	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-5/16	ASME B107.600

2 PIECE PRECISION COMBINATION PROTO® SCREWDRIVER SET

Product #: J1202SC

Delayed Availability

› Quad-lobe features apply. (See pages 670 or 676)



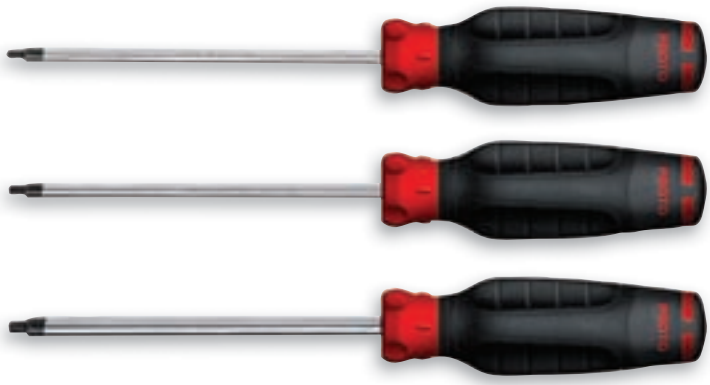
Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)	ASME Spec.
JCP1802R	Screwdriver, Slotted Cabinet, Round 1/8" x 2"	1/8	Cabinet	2	Round	4	ASME B107.600
JPP0002R	Screwdriver, Phillips® Round #0 x 2"	0	Phillips®	2	Round	4-1/2	ASME B107.600

3 PIECE SQUARE TIP PROTO® SCREWDRIVER SET

Product #: J1203SS

Delayed Availability
Representative Image

› Quad-lobe features apply. (See pages 670 or 676)



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in)
JS0105R	Screwdriver, Square 1 x 5"	1	Square	5	Round	9-1/4
JS0205R	Screwdriver, Square 2 x 5"	2	Square	5	Round	9-1/4
JS0305R	Screwdriver, Square 3 x 5"	3	Square	5	Round	9-1/4

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PROTO® SCREWDRIVERS

- Ergonomically designed quad-lobe handle design with 360° texture for additional grip.
- Designed to meet demanding heavy-duty needs of industrial maintenance and assembly applications.

HANDLE

- Impact and chemical resistant handles are four-sided with broad but shallow flutes.
- Resistant to most harsh chemicals (including hydraulic fluids used in the aerospace industry).
- Four-sided handle design helps prevent "roll away" from the work surface.

SHANK

- High-alloy steel shanks are heat-treated their entire length to help provide strength against twisting action and to help prevent bending and twisting when placed under torque.
- Fully grounded and chemically polished, then chrome plated for corrosion resistance.

TIP

- Made of high-alloy steel (same as shank).
- Precision machined for precise fastener fit.
- Finished in black oxide to help prevent cam out and slipping.
- Tips are un-plated with a black oxide finish to help prevent chrome peeling; an important Foreign Object Debris (FOD) concern.



Delayed Availability

Representative Image

Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in) (L)	ASME Spec.
JK1404R	1/4	Keystone	4	Round	–	8	ASME B107.600
JKB31603RP	3/16	Keystone	3	Round	Yes	6-3/4	ASME B107.600
JKB51606RP	5/16	Keystone	6	Round	Yes	10-3/8	ASME B107.600
JK51606R	5/16	Keystone	6	Round	–	10-3/8	ASME B107.600
JK1406R	1/4	Keystone	6	Round	–	10	ASME B107.600
JK51604R	5/16	Keystone	4	Round	–	8-3/8	ASME B107.600
JK51608R	5/16	Keystone	8	Round	–	12-3/8	ASME B107.600
JKB3808RP	3/8	Keystone	8	Round	Yes	13	ASME B107.600
JK3808R	3/8	Keystone	8	Round	–	13	ASME B107.600
JK3810R	3/8	Keystone	10	Round	–	11	ASME B107.600
JK3812R	3/8	Keystone	12	Round	–	17	ASME B107.600
JK1404S	1/4	Keystone	4	Square	–	8	ASME B107.600
JK51606S	5/16	Keystone	6	Square	–	10	ASME B107.600
JK3808S	3/8	Keystone	8	Square	–	13	ASME B107.600
JK3812S	3/8	Keystone	12	Square	–	17	ASME B107.600
JK31604S	3/16	Keystone	4	Square	–	7	ASME B107.600
JCP1803R	1/8	Cabinet	3	Round	–	5	ASME B107.600
JCP1804R	1/8	Cabinet	4	Round	–	6	ASME B107.600
JCP1808R	1/8	Cabinet	8	Round	–	10	ASME B107.600
JC31604R	3/16	Cabinet	4	Round	–	7	ASME B107.600
JC31608R	3/16	Cabinet	8	Round	–	11	ASME B107.600
JC31603R	3/16	Cabinet	3	Round	–	6	ASME B107.600
JC31605R	3/16	Cabinet	5	Round	–	8	ASME B107.600
JCP1802R	1/8	Cabinet	2	Round	–	4	ASME B107.600
JC1416R	1/4	Cabinet	16	Round	–	20	ASME B107.600
JC1412R	1/4	Cabinet	12	Round	–	16	ASME B107.600
JC31612R	3/16	Cabinet	12	Round	–	15	ASME B107.600
JC31610R	3/16	Cabinet	10	Round	–	13	ASME B107.600
JC31606R	3/16	Cabinet	6	Round	–	9	ASME B107.600
JCP1806R	1/8	Cabinet	6	Round	–	8	ASME B107.600
JC1410R	1/4	Cabinet	10	Round	–	14	ASME B107.600
JPP0003R	0	Phillips®	3	Round	–	5-3/4	ASME B107.600
JPB0204RP	2	Phillips®	4	Round	Yes	8	ASME B107.600
JP0204R	2	Phillips®	4	Round	–	8	ASME B107.600

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.



Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in) (L)	ASME Spec.
JPB0306RP	3	Phillips®	6	Round	Yes	10-3/8	ASME B107.600
JP0306R	3	Phillips®	6	Round	–	10-3/8	ASME B107.600
JP0408R	4	Phillips®	8	Round	–	13	ASME B107.600
JPB0103RP	1	Phillips®	3	Round	Yes	6-3/4	ASME B107.600
JP0103R	1	Phillips®	3	Round	–	6-3/4	ASME B107.600
JP0108R	1	Phillips®	8	Round	–	11-3/4	ASME B107.600
JP0208R	2	Phillips®	8	Round	–	12	ASME B107.600
JPP0002R	0	Phillips®	2	Round	–	4-1/2	ASME B107.600
JP0212R	2	Phillips®	12	Round	Yes	16	ASME B107.600
JP0216R	2	Phillips®	16	Round	Yes	20	ASME B107.600
JK14112R	1/4	Keystone	1-1/2	Round	–	3-1/2	ASME B107.600
JP02112RP	2	Phillips®	1-1/2	Round	–	3-1/2	ASME B107.600
JP02112R	2	Phillips®	1-1/2	Round	–	3-1/2	ASME B107.600
JP0224R	2	Phillips®	24	Round	–	28-1/2	ASME B107.600
JK1424R	1/4	Keystone	24	Round	–	28-1/2	ASME B107.600
JCP31603R	3/16	Cabinet	3	Round	–	6-5/16	ASME B107.600
JPP0103R	1	Phillips®	3	Round	–	6-5/16	ASME B107.600
JS0105R	1	Square	5	Round	–	9-1/4	–
JS0205R	2	Square	5	Round	–	9-1/4	–
JS0305R	3	Square	5	Round	–	9-1/4	–
JT8314R	T8	Torx®	3-1/4	Round	–	7	–
JT10314R	T10	Torx®	3-1/4	Round	–	7	–
JT15314R	T15	Torx®	3-1/4	Round	–	7	–
JT20314R	T20	Torx®	3-1/4	Round	–	7	–
JT25314R	T25	Torx®	3-1/4	Round	–	7	–
JT27314R	T27	Torx®	4	Round	–	8	–
JT30314R	T30	Torx®	4	Round	–	8	–
JT40314R	T40	Torx®	6	Round	–	10-3/8	–
JT45314R	T45	Torx®	6	Round	–	10-3/8	–
JKB1404RP	1/4	Keystone	4	Round	Yes	8	ASME B107.600
JK14112RP	1/4	Keystone	1-1/2	Round	–	3-1/2	ASME B107.600

SCREWDRIVER PRODUCT NUMBER IDENTIFICATION

Proto®'s item numbering system for screwdrivers is designed to make it easy for users to identify the tool that has the size and configuration that best meets their needs.

EXAMPLE: JPB0408RP

Part Number Key

- **Feature Code - Series (1st Position)** — P = Phillips® | C = Cabinet | K = Keystone | S = Square | T = Torx® | N = Nut Driver | H = Hex | Z = Pozi
- **Feature Code - Series (2nd Position)** — B = Bolster | P = Precision
- **Tip Size**
- **Bar Length**
- **Feature Code - Bar Style** — R = Round Bar | S = Square Bar
- **Feature Code - Special Feature** — P = Polish | H = Hollow

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Torx® is a trademark of Acument Intellectual Properties, LLC

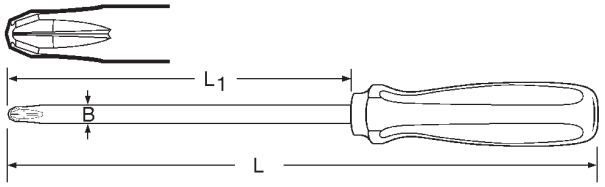
19 PIECE COMBINATION SUPER PROTO® SCREWDRIVER SET

Product #: J88819

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 4.65



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88203	Screwdriver, Slotted Cabinet, Round 1/8" x 3"	1/8	Cabinet	3	Round	6-3/8	0.05	ASME B107.600
J88204	Screwdriver, Cabinet Slotted, Round 1/8" x 4"	1/8	Cabinet	4	Round	7-1/4	0.05	ASME B107.600
J88208	Screwdriver, Slotted Cabinet, Round 1/8" x 8"	1/8	Cabinet	8	Round	12	0.05	ASME B107.600
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	8	0.14	ASME B107.600
J88218	Screwdriver, Slotted Cabinet, Round 3/16" x 8"	3/16	Cabinet	8	Round	12	0.17	ASME B107.600
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-3/4	0.15	ASME B107.600
J88322	Screwdriver, Phillips® Round, Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	3-3/4	0.10	ASME B107.600
J88393	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	6-3/8	0.05	ASME B107.600
J88313	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-7/8	0.12	ASME B107.600
J88318	Screwdriver, Phillips® Round #1 x 8"	1	Phillips®	8	Round	12	0.20	ASME B107.600
J88324	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8-1/4	0.21	ASME B107.600
J88328	Screwdriver, Phillips® Round #2 x 8"	2	Phillips®	8	Round	12-1/2	0.27	ASME B107.600
J88336	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-5/16	0.36	ASME B107.600
J88348	Screwdriver, Phillips® Round #4 x 8"	4	Phillips®	8	Round	12-5/16	0.52	ASME B107.600
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 4"	1/4	Keystone	4	Square	8-1/2	0.23	ASME B107.600
J88106	Screwdriver, Slotted Keystone, Square 5/16" x 6"	5/16	Keystone	6	Square	10-7/8	0.40	ASME B107.600
J88108	Screwdriver, Slotted Keystone, Square 3/8" x 8"	3/8	Keystone	8	Square	13	0.55	ASME B107.600
J88112	Screwdriver, Slotted Keystone, Square 3/8" x 12"	3/8	Keystone	12	Square	17	0.73	ASME B107.600
J88104	Screwdriver, Slotted Keystone, Square 3/16" x 3"	3/16	Keystone	3	Square	7	0.13	ASME B107.600



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

6 PIECE SLOTTED SUPER PROTO® SCREWDRIVER SET

Product #: J88816

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 2.64



Contents	Description	Tip Size (B)	Tips	ShankLength (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-3/4	0.15	ASME B107.600
J88102	Screwdriver, Slotted Keystone, Square 1/4" x 1/4"	1/4	Keystone	4	Square	8-1/2	0.23	ASME B107.600
J88104	Screwdriver, Slotted Keystone, Square 3/16" x 3"	3/16	Keystone	3	Square	7	0.13	ASME B107.600
J88106	Screwdriver, Slotted Keystone, Square 5/16" x 6"	5/16	Keystone	6	Square	10-7/8	0.40	ASME B107.600
J88108	Screwdriver, Slotted Keystone, Square 3/8" x 8"	3/8	Keystone	8	Square	13	0.55	ASME B107.600
J88112	Screwdriver, Slotted Keystone, Square 3/8" x 12"	3/8	Keystone	12	Square	17	0.73	ASME B107.600

6 PIECE SLOTTED SUPER PROTO® SCREWDRIVER SET

Product #: J88806

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 2.34



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88002	Screwdriver, Slotted Keystone, Round 1/4" x 1-1/2"	1/4	Keystone	1-1/2	Round	3-3/4	0.15	ASME B107.600
J88004	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	8-1/4	0.21	ASME B107.600
J88006	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	10-5/16	0.35	ASME B107.600
J88008	Screwdriver, Slotted Keystone, Round 3/8" x 8"	3/8	Keystone	8	Round	12-3/4	0.50	ASME B107.600
J88010	Screwdriver, Slotted Keystone, Round 3/8" x 10"	3/8	Keystone	10	Round	14-3/4	0.58	ASME B107.600
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	8	0.14	ASME B107.600



4 PIECE SLOTTED SUPER PROTO® SCREWDRIVER SET

Product #: J88814

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 1.76



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88103	Screwdriver, Slotted Keystone, Square 1/4" x 3"	1/4	Keystone	3	Square	7-1/2	0.23	ASME B107.600
J88104	Screwdriver, Slotted Keystone, Square 3/16" x 3"	3/16	Keystone	3	Square	7	0.13	ASME B107.600
J88106	Screwdriver, Slotted Keystone, Square 5/16" x 6"	5/16	Keystone	6	Square	10-7/8	0.40	ASME B107.600
J88108	Screwdriver, Slotted Keystone, Square 3/8" x 8"	3/8	Keystone	8	Square	13	0.55	ASME B107.600

8 PIECE COMBINATION SUPER PROTO® SCREWDRIVER SET

Product #: J88808

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 2.00



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88004	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	8-1/4	0.21	ASME B107.600
J88006	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	10-5/16	0.35	ASME B107.600
J88213	Screwdriver, Slotted Cabinet, Round 3/16" x 3"	3/16	Cabinet	3	Round	7-7/8	0.14	ASME B107.600
J88214	Screwdriver, Slotted Cabinet, Round 3/16" x 4"	3/16	Cabinet	4	Round	8	0.14	ASME B107.600
J88215	Screwdriver, Slotted Cabinet, Round 3/16" x 5"	3/16	Cabinet	5	Round	8-7/8	0.14	ASME B107.600
J88313	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-7/8	0.12	ASME B107.600
J88324	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8-1/4	0.21	ASME B107.600
J88336	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-5/16	0.36	ASME B107.600

8 PIECE COMBINATION SUPER PROTO® BLACK SCREWDRIVER SET

Product #: J88818B

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 1.87



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88004B	Screwdriver, Slotted Keystone, Round 1/4" x 4"	1/4	Keystone	4	Round	8	0.12	ASME B107.600
J88006B	Screwdriver, Slotted Keystone, Round 5/16" x 6"	5/16	Keystone	6	Round	10-5/16	0.20	ASME B107.600
J88203B	Screwdriver, Slotted Cabinet, Round 1/8" x 3"	1/8	Cabinet	3	Round	6-3/8	0.04	ASME B107.600
J88213B	Screwdriver, Slotted Cabinet, Round 3/16" x 3"	3/16	Cabinet	3	Round	7-7/8	0.13	ASME B107.600
J88216B	Screwdriver, Slotted Cabinet, Round 3/16" x 6"	3/16	Cabinet	6	Round	9-3/4	0.17	ASME B107.600
J88313B	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6	0.14	ASME B107.600
J88324B	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8-1/4	0.21	ASME B107.600
J88336B	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	11	0.43	ASME B107.600

6 PIECE PHILLIPS® SUPER PROTO® BLACK SCREWDRIVER SET

Product #: J88837B

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 1.60



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88322B	Screwdriver, Phillips® Round, Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	3-3/4	0.10	ASME B107.600
J88393B	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	6	0.05	ASME B107.600
J88313B	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6	0.14	ASME B107.600
J88324B	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8-1/4	0.21	ASME B107.600
J88336B	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	11	0.43	ASME B107.600
J88348B	Screwdriver, Phillips® Round #4 x 7-7/8"	4	Phillips®	7-7/8	Round	12-3/4	0.60	ASME B107.600

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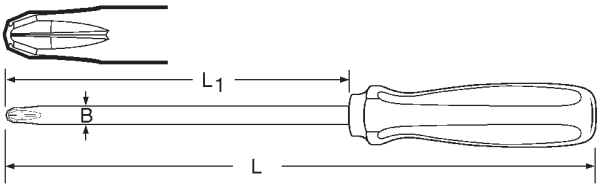
7 PIECE TORX® SUPER PROTO® BLACK SCREWDRIVER SET

Product #: J88857

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 1.36



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
J88510	Screwdriver, Torx®, Round T10 x 3-1/4"	T10	Torx®	3-1/4	Round	7	0.10
J88515	Screwdriver, Torx®, Round T15 x 3-1/2"	T15	Torx®	3-1/2	Round	7-1/4	0.10
J88520	Screwdriver, Torx®, Round T20 x 3-3/8"	T20	Torx®	3-3/8	Round	7	0.10
J88525	Screwdriver, Torx®, Round T25 x 3-3/8"	T25	Torx®	3-3/8	Round	7	0.10
J88527	Screwdriver, Torx®, Round T27 x 4"	T27	Torx®	4	Round	8-1/2	0.20
J88530	Screwdriver, Torx®, Round T30 x 4-1/4"	T30	Torx®	4-1/4	Round	8-1/4	0.20
J88540	Screwdriver, Torx®, Round T40 x 6"	T40	Torx®	6	Round	10-3/4	0.30



6 PIECE PHILLIPS® SUPER PROTO® SCREWDRIVER SET

Product #: J88836

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.
- Weight (lbs): 1.60



Contents	Description	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88322	Screwdriver, Phillips® Round, Stubby #2 x 1-1/2"	2	Phillips®	1-1/2	Round	3-3/4	0.10	ASME B107.600
J88393	Screwdriver, Phillips® Round #0 x 3"	0	Phillips®	3	Round	6-3/8	0.05	ASME B107.600
J88313	Screwdriver, Phillips® Round #1 x 3"	1	Phillips®	3	Round	6-7/8	0.12	ASME B107.600
J88324	Screwdriver, Phillips® Round #2 x 4"	2	Phillips®	4	Round	8-1/4	0.21	ASME B107.600
J88336	Screwdriver, Phillips® Round #3 x 6"	3	Phillips®	6	Round	10-5/16	0.36	ASME B107.600
J88348	Screwdriver, Phillips® Round #4 x 8"	4	Phillips®	8	Round	12-5/16	0.52	ASME B107.600

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SUPER PROTO® SCREWDRIVERS

- Tri-lobed handle made from Bi-Material, helps prevent hand slipping.
- Precision machined tips for precise fastener fit.
- Alloy steel shanks heat-treated for strength.



Product #	Tip Size (B)	Tips	Shank Length (in) (L1)	Shank Type	Bolster	Overall Length (in) (L)	Weight (lbs)	ASME Spec.
J88104	3/16	Keystone	3	Square	–	7	0.13	ASME B107.600
J88002	1/4	Keystone	1-1/2	Round	–	3-3/4	0.15	ASME B107.600
J88103	1/4	Keystone	3	Square	–	7-1/2	0.23	ASME B107.600
J88004	1/4	Keystone	4	Round	–	8-1/4	0.21	ASME B107.600
J88004B	1/4	Keystone	4	Round	–	8	0.12	ASME B107.600
J88102	1/4	Keystone	4	Square	–	8-1/2	0.23	ASME B107.600
J88102B	1/4	Keystone	4	Square	–	8-1/2	0.23	ASME B107.600
J88105	5/16	Keystone	5	Square	–	10	0.37	ASME B107.600
J88106	5/16	Keystone	6	Square	–	10-7/8	0.40	ASME B107.600
J88106B	5/16	Keystone	6	Square	–	10-7/8	0.39	ASME B107.600
J88006	5/16	Keystone	6	Round	–	10-5/16	0.35	ASME B107.600
J88006B	5/16	Keystone	6	Round	–	10-5/16	0.20	ASME B107.600
J88108	3/8	Keystone	8	Square	–	13	0.55	ASME B107.600
J88108B	3/8	Keystone	8	Square	–	13	0.62	ASME B107.600
J88008	3/8	Keystone	8	Round	–	12-3/4	0.50	ASME B107.600
J88010	3/8	Keystone	10	Round	–	14-3/4	0.58	ASME B107.600
J88110	3/8	Keystone	10	Square	–	14-7/8	0.66	ASME B107.600
J88110B	3/8	Keystone	10	Square	–	14-7/8	0.65	ASME B107.600
J88112	3/8	Keystone	12	Square	–	17	0.73	ASME B107.600
J88203	1/8	Cabinet	3	Round	–	6-3/8	0.05	ASME B107.600
J88203B	1/8	Cabinet	3	Round	–	6-3/8	0.04	ASME B107.600
J88204	1/8	Cabinet	4	Round	–	7-1/4	0.05	ASME B107.600
J88206	1/8	Cabinet	6	Round	–	9-1/4	0.05	ASME B107.600
J88208	1/8	Cabinet	8	Round	–	12	0.05	ASME B107.600
J88213	3/16	Cabinet	3	Round	–	7-7/8	0.14	ASME B107.600
J88213B	3/16	Cabinet	3	Round	–	7-7/8	0.13	ASME B107.600
J88214	3/16	Cabinet	4	Round	–	8	0.14	ASME B107.600
J88215	3/16	Cabinet	5	Round	–	8-7/8	0.14	ASME B107.600
J88216	3/16	Cabinet	6	Round	–	9-3/4	0.16	ASME B107.600
J88216B	3/16	Cabinet	6	Round	–	9-3/4	0.17	ASME B107.600
J88218	3/16	Cabinet	8	Round	–	12	0.17	ASME B107.600
J88210	1/4	Cabinet	10	Round	–	14-3/8	0.28	ASME B107.600
J88393	0	Phillips®	3	Round	–	6-3/8	0.05	ASME B107.600
J88393B	0	Phillips®	3	Round	–	6-3/8	0.05	ASME B107.600
J88313	1	Phillips®	3	Round	–	6-7/8	0.12	ASME B107.600
J88313B	1	Phillips®	3	Round	–	6-7/8	0.14	ASME B107.600
J88318	1	Phillips®	8	Round	–	12	0.20	ASME B107.600
J88322	2	Phillips®	1-1/2	Round	–	3-3/4	0.10	ASME B107.600
J88322B	2	Phillips®	1-1/2	Round	–	3-3/4	0.10	ASME B107.600
J88324	2	Phillips®	4	Round	–	8-1/4	0.21	ASME B107.600
J88324B	2	Phillips®	4	Round	–	8-1/4	0.21	ASME B107.600
J88328	2	Phillips®	8	Round	–	12-1/2	0.27	ASME B107.600
J88336	3	Phillips®	6	Round	–	10-5/16	0.36	ASME B107.600
J88336B	3	Phillips®	6	Round	–	10-5/16	0.43	ASME B107.600
J88348	4	Phillips®	8	Round	–	12-5/16	0.52	ASME B107.600
J88348B	4	Phillips®	8	Round	–	12-5/16	0.60	ASME B107.600
J88510	T10	Torx®	3-1/4	Round	–	7	0.10	–
J88515	T15	Torx®	3-1/2	Round	–	7-1/4	0.10	–
J88520	T20	Torx®	3-3/8	Round	–	7	0.10	–
J88525	T25	Torx®	3-3/8	Round	–	7	0.10	–
J88527	T27	Torx®	4	Round	–	8-1/2	0.20	–
J88530	T30	Torx®	4-1/4	Round	–	8-1/4	0.20	–
J88540	T40	Torx®	6	Round	–	10-3/4	0.30	–

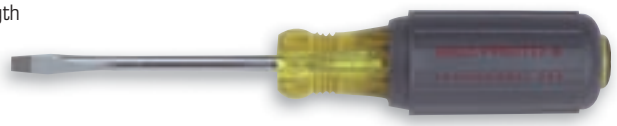
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PROTO® SOFT GRIP SLOTTED SCREWDRIVERS

- Precision tips for tight tolerance and fastener fit.
- Custom designed handles constructed of dual materials with hard center core for strength with cushion grip for comfort and control.
- Blades are constructed from high-alloy steel for high-strength and performance. Plated to resist corrosion.
- Cushion handle tapered for easy gripping and comfort.
- Flutes designed for better turning.

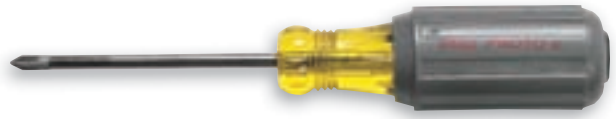


Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9406	5/16	Keystone	6	Round	10-13/32	0.35
J9408	3/8	Keystone	8	Round	13-1/2	0.62
J9403	3/16	Keystone	3	Round	6-3/4	0.17

ASME B107.600

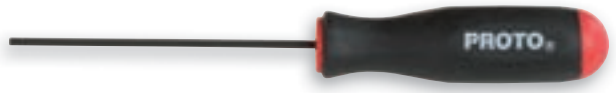
PROTO® SOFT GRIP PHILLIPS® SCREWDRIVERS

- Precision machined tips for precise fastener fit.
- Four-sided handle with broad, shallow flutes for a firm grip and comfort.
- Non-slip grip increases torque and maximizes comfort.
- Blasted tips resist chrome peeling.
- Wear-hardened for precise cross point dimensions and long life.



Product #	Tip Size	Tips	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9482	1	Phillips®	Round	6-3/4	0.17
J9484	2	Phillips®	Round	8-11/32	0.27

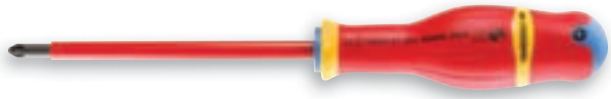
PROTO® HEX SCREWDRIVERS



Product #	Tip Size	Tips	Shank Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)
J88601	3/64	Hex	2-3/8	4-51/64	0.03
J88602	1/16	Hex	2-1/2	5	0.03
J88603	5/64	Hex	2-21/32	5	0.03
J88604	3/32	Hex	2-3/4	6-1/4	0.04
J88605	7/64	Hex	3	6-1/4	0.04
J88606	1/8	Hex	3-1/8	6-1/2	0.04
J88607	9/64	Hex	3-1/4	6-1/2	0.05
J88608	5/32	Hex	3-1/2	8	0.13
J88609	3/16	Hex	3-3/4	8	0.14

FACOM® INSULATED SCREWDRIVERS

- Designed for working on live components up to 1000V AC and 1500V DC.



Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-AD0X75VE	PZ0	Pozidriv®	3	Round	7	0.10
FW-AD1X100VE	PZ1	Pozidriv®	4	Round	8-1/4	0.16
FW-AD3X150VE	PZ3	Pozidriv®	6	Round	10-53/64	0.43
FW-AP0X75VE	0	Phillips®	3	Round	7	0.10
FW-AP1X100VE	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	2	Phillips®	5	Round	9-3/4	0.28
FW-AP3X150VE	3	Phillips®	6	Round	10-3/4	0.43
FW-AP4X200VE	4	Phillips®	8	Round	13	0.61
FW-A10X200VE	10	Cabinet	7-7/8	Round	12-3/4	0.61
FW-A12X250VE	12	Cabinet	9-7/8	Round	14-3/4	0.89
FW-A2.5X50VE	2.5 mm	Cabinet	2	Round	5-7/8	0.06
FW-A2.5X75VE	2.5 mm	Cabinet	3	Round	6-7/8	0.06
FW-A3.5X100VE	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A3.5X75VE	3.5 mm	Cabinet	3	Round	6-7/8	0.11
FW-A3X75VE	3 mm	Cabinet	3	Round	6-7/8	0.10
FW-A4X100VE	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A4X150VE	4 mm	Cabinet	5-7/8	Round	9-7/8	0.17
FW-A5.5X125VE	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A5.5X150VE	5.55 mm	Cabinet	5-7/8	Round	10-1/8	0.21
FW-A5.5X200VE	5.5 mm	Cabinet	7-7/8	Round	12-1/2	0.21
FW-A6.5X150VE	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-A6.5X200VE	6.5 mm	Cabinet	7-7/8	Round	12-1/2	0.35
FW-A8X150VE	8 mm	Cabinet	5-7/8	Round	10-1/2	0.43
FW-A8X200VE	8 mm	Cabinet	7-7/8	Round	12-3/4	0.48

FACOM® 8 PIECE 1000V INSULATED SCREWDRIVER SET

Product #: FW-M0D.A1VE



- Set includes: PZ1, PZ2, 1, 2, 3.5 mm, 4 mm, 5.5 mm, and 6.5 mm sizes.
- Designed for working on live components up to 1000V AC and 1500V DC.
- Ergonomically designed, Bi-Material handle.
- Strong, comfortable grip for high torque action.
- Carbon silicon steel blade for strength.
- Black tip to retain the dimensional accuracy of the machined tip.
- Weight (lbs): 2.34

Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-A3.5X100VE	Screwdriver, Round Bar Slotted 3.5 mm x 4"	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A4X100VE	Screwdriver, Round Bar Slotted 4 mm x 4"	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A5.5X125VE	Screwdriver, Round Bar Slotted 5.5 mm x 5"	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A6.5X150VE	Screwdriver, Round Bar Slotted 6.5 mm x 5-7/8"	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-AP1X100VE	Screwdriver, Round Bar #1 x 4"	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	Screwdriver, Round Bar #2 x 5"	2	Phillips®	5	Round	9-3/4	1.50
FW-AD1X100VE	Screwdriver, Pozidriv® Round Bar PZ1 x 4"	PZ1	Pozidriv®	4	Round	8-1/4	0.16
–	Screwdriver, Pozidriv® Round Bar PZ2 x 5"	PZ2	Pozidriv®	5	Round	9-3/4	1.50

PHILLIPS® HEX INSERT BITS

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60002	Phillips®	1	1/4	1	0.01
J60008	Phillips®	2	1/4	1	0.01
J60020	Phillips®	3	1/4	1	0.01
J60050	Phillips®	1	5/16	1-1/4	0.02
J60052	Phillips®	2	5/16	1-1/4	0.02
J60054	Phillips®	3	5/16	1-1/4	0.03



PHILLIPS® ACR® INSERT BITS

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60004	Phillips®	1	1/4	1	0.01
J60010	Phillips®	2	1/4	1	0.01
J60022	Phillips®	3	1/4	1	0.01



PHILLIPS® POWER INSERT BITS

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60100	Phillips® Power Bit	1	1/4	1-15/16	0.02
J60102	Phillips® Power Bit	2	1/4	1-15/16	0.02
J60014	Phillips® Power Bit	2	1/4	1-1/2	0.02
J60116	Phillips® Power Bit	2	1/4	2-51/64	0.03
J60018	Phillips® Power Bit	2	1/4	3-45/64	0.03



SLOTTED HEX INSERT BITS



Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60200	Slotted	5/32	1/4	1	0.01
J60202	Slotted	3/16	1/4	1	0.01
J60204	Slotted	7/32	1/4	1	0.01
J60206	Slotted	5/32	1/4	1	0.01
J60208	Slotted	9/32	1/4	1	0.01
J60256	Slotted	3/8	5/16	1-1/2	0.03
J60262	Slotted	3/8	5/16	1-1/2	0.03

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

TORX® HEX INSERT BITS

› Not for use on impact applications.

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60500	Torx®	T6	1/4	1	0.01
J60502	Torx®	T7	1/4	1	0.01
J60504	Torx®	T8	1/4	1	0.01
J60506	Torx®	T9	1/4	1	0.01
J60508	Torx®	T10	1/4	1	0.01
J60510	Torx®	T15	1/4	1	0.01
J60512	Torx®	T20	1/4	1	0.01
J60514	Torx®	T25	1/4	1	0.01
J60516	Torx®	T27	1/4	1	0.01
J60518	Torx®	T30	1/4	1	0.01
J60520	Torx®	T40	1/4	1	0.02
J60560	Torx®	T30	5/16	1.5	0.02
J60562	Torx®	T40	5/16	1	0.02
J60564	Torx®	T45	5/16	1	0.03
J60566	Torx®	T50	5/16	1	0.03
J60568	Torx®	T55	5/16	1.3	0.04



TORX® TAMPER-PROOF HEX INSERT BITS

› Not for use on impact applications.

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J60530	Tamper-Proof Torx®	T10H	1/4	1	0.01
J60532	Tamper-Proof Torx®	T15H	1/4	1	0.01
J60534	Tamper-Proof Torx®	T20H	1/4	1	0.01
J60536	Tamper-Proof Torx®	T25H	1/4	1	0.01
J60538	Tamper-Proof Torx®	T27H	1/4	1	0.01
J60540	Tamper-Proof Torx®	T30H	1/4	1	0.01
J60542	Tamper-Proof Torx®	T40H	1/4	1	0.01



SQUARE HEX INSERT BITS

Product #	Tips	Tip Size	Drive Size (in)	Overall Length (in)	Weight (lbs)
J61002	Square	1	1/4	1	0.01
J61004	Square	2	1/4	1	0.01
J61006	Square	3	1/4	1	0.01



BIT HOLDERS

› Not for use on impact applications.

Product #	Drive Size (in)	Overall Length (in)	Weight (lbs)
J61200	1/4	2-1/4	0.04
J61204	1/4	4	0.12



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MAGNETIC BIT HOLDERS

- Magnetic to hold the bit in place.

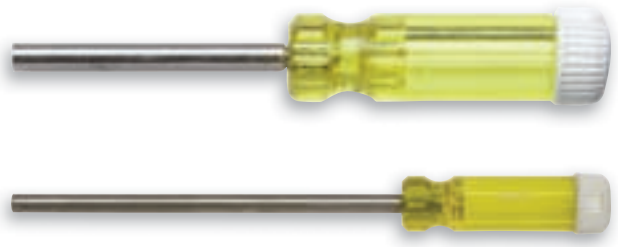
Product #	Drive Size (in)	Overall Length (in)	Weight (lbs)
J61222	1/4	2-1/4	0.07
J61223	1/4	2-31/32	0.08
J61234	1/4	2-1/4	0.05
J61236	1/4	3	0.06
J61238	1/4	3	0.10
J61224	1/4	4	0.12
J61226	1/4	6	0.20



MAGNETIC SCREWDRIVER BIT HOLDER

- Extra long handle allows greater access to confined, restricted areas.
- Convenient bit storage in handle.

Product #	Drive Size (in)	Overall Length (in)	Weight (lbs)
J9300MS	1/4	7-9/16	0.15
J9300MX	1/4	11-5/16	0.30



POWER BIT HOLDER

- Not for use on impact applications.

Product #	Drive Size (in)	Hex Size (in)	Overall Length (in)	Weight (lbs)
J6925	1/4	1/4	1	0.04
J6931	3/8	1/4	1-3/4	0.07
J6930	3/8	5/16	1-5/16	0.07
J6935	1/2	5/16	1-1/2	0.11



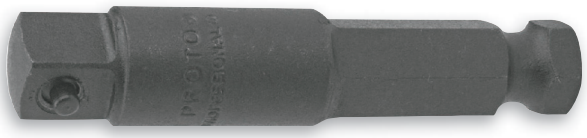
EXTENSIONS

- Made of forged steel.
- Size stamped on tool for easy identification.
- Ball detent.



Product #	Tips	Drive Size (in)	Male Square	Style	Overall Length (in)	Weight (lbs)
J61302	Square	1/4 Hex	1/4	Pin	2	0.04
J61303	Square	1/4 Hex	1/4	Pin	3	0.05
J61304	Square	1/4 Hex	1/4	Pin	4	0.08
J61306	Square	1/4 Hex	1/4	Pin	6	0.12
J61352	Square	1/4 Hex	1/4	Ball	2	0.04
J61402	Square	1/4 Hex	3/8	Pin	2	0.05
J61404	Square	1/4 Hex	3/8	Pin	4	0.13
J61406	Square	1/4 Hex	3/8	Pin	6	0.13
J61502	Square	7/16 Hex	3/8	Ball	2	0.05

EXTENSIONS - 7/16" HEX SHANK



- Made of forged steel.
- Size stamped on tool for easy identification.
- Ball detent.
- Not for use on impact applications.

Product #	Tips	Drive Size (in)	Male Square	Style	Overall Length (in)	Weight (lbs)
J7111	Square	7/16 Hex	3/8	Pin	2-3/4	0.14
J7121	Square	7/16 Hex	1/2	Pin	2-3/4	0.17

28 PIECE MAGNETIC SCREWDRIVER BIT SET

Product #: J61929



- Packaged in plastic blow-molded case for easy storage.
- Weight (lbs): 1.07

Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
Bit, Insert #0 Phillips® 1/4" Hex	0	Phillips®	1	1/4
Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
Bit, Insert #3 Phillips® 1/4" Hex	3	Phillips®	1	1/4
Bit, Insert Slotted 3F-4R 1/4" Hex	3F-4R	Slotted	1	1/4
Bit, Insert Slotted 4F-5R 1/4" Hex	4F-5R	Slotted	1	1/4
Bit, Insert 7/32" Slotted 1/4" Hex	7/32	Slotted	1	1/4
Bit, Insert 5/32" Slotted 1/4" Hex	5/32	Slotted	1	1/4
Bit, Insert 9/32" Slotted 1/4" Hex	9/32	Slotted	1	1/4
Bit, Insert T10 Torx® 1/4" Hex	T10	Torx®	1	1/4
Bit, Insert T15 Torx® 1/4" Hex	T15	Torx®	1	1/4
Bit, Insert T20 Torx® 1/4" Hex	T20	Torx®	1	1/4
Bit, Insert T25 Torx® 1/4" Hex	T25	Torx®	1	1/4
Bit, Insert T30 Torx® 1/4" Hex	T30	Torx®	1	1/4
Bit, Insert T40 Torx® 1/4" Hex	T40	Torx®	1	1/4
Bit, Insert #0 Square Recess 1/4" Hex	0	Square	1	1/4
Bit, Insert #1 Square Recess 1/4" Hex	1	Square	1	1/4
Bit, Insert #2 Square Recess 1/4" Hex	2	Square	1	1/4
Bit, Insert #3 Square Recess 1/4" Hex	3	Square	1	1/4
5/64" Socket Head, 1/4" Hex	5/64	Socket	1	1/4
3/32" Socket Head, 1/4" Hex	3/32	Socket	1-1/4	1/4
1/8" Socket Head, 1/4" Hex	1/8	Socket	1-1/4	1/4
5/32" Socket Head, 1/4" Hex	5/32	Socket	1-1/4	1/4
3/16" Socket Head, 1/4" Hex	3/16	Socket	1-1/4	1/4
Bit, Insert 1/8" Clutch, 1/4" Hex	1/8	Clutch	1	1/4
Bit, Insert 5/32" Clutch, 1/4" Hex	5/32	Clutch	1	1/4
Magnetic Bit, Holder			2-1/4	1/4
Screwdriver, Magnetic Bit, Holder			7-9/16	1/4

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11 PIECE MAGNETIC RATCHETING SCREWDRIVER BIT SET

Product #: J9322

- Gearless Ratcheting Screwdriver provides smooth operation, infinite ratcheting angle.
- Convenient bit storage in handle.
- Weight (lbs): 0.76



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
J60008	Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	3/16	Slotted	1	1/4
J60206	Bit, Insert 5/32" Slotted 1/4" Hex	5/32	Slotted	1	1/4
	Nut Setters Magnetic, 3/16"			1-1/2	1/4
	Nut Setters Magnetic, 1/4"			1-1/2	1/4
	Nut Setters Magnetic, 9/32"			1-1/2	1/4
	Nut Setters Magnetic, 5/16"			1-1/2	1/4
	Nut Setters Magnetic, 11/32"			1-1/2	1/4
	Nut Setters Magnetic, 7/16"			1-1/2	1/4
	Screwdriver, Magnetic Ratcheting			8-3/4	1/4

5 PIECE MAGNETIC RATCHETING SCREWDRIVER BIT SET

Product #: J9320

- Gearless Ratcheting Screwdriver provides smooth operation, infinite ratcheting angle.
- Convenient bit storage in handle.
- Weight (lbs): 0.50



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
J60008	Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	3/16	Slotted	1	1/4
J60206	Bit, Insert 5/32" Slotted 1/4" Hex	5/32	Slotted	1	1/4
	Screwdriver, Magnetic Ratcheting			8-3/4	1/4

5 PIECE MAGNETIC SCREWDRIVER BIT SET—LONG REACH

Product #: J9224

- Extra long handle allows greater access to confined, restricted areas.
- Convenient bit storage in handle.
- Weight (lbs): 0.38



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
J60008	Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	3/16	Slotted	1	1/4
J60206	Bit, Insert 5/32" Slotted 1/4" Hex	5/32	Slotted	1	1/4
J9300MX	Screwdriver, Magnetic Bit, Holder - Long Reach			11-5/16	1/4

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

38 PIECE INSERT/POWER BIT SET

Product #: J61906

- Magnetic base provides tool organization as well as portability.
- Strong magnetic bond allows for superior holding strength.
- Holder allows bits to remain organized in a tool box drawer as well as on any metal surface.
- Mixed assortment of standard, slotted, Phillips®, and Torx® tips and clutches to help in a variety of tasks.
- Weight (lbs): 1.21



Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
Bit, Insert #0 Phillips® 1/4" Hex	0	Phillips®	1	1/4
Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
Bit, Insert #3 Phillips® 1/4" Hex	3	Phillips®	1	1/4
Bit, Insert #2 Phillips® 1/4" Hex (Reduced Dia.)	2	Phillips®	1	1/4
Bit, Insert #1 PZ 1/4" Hex	1	Pozidriv®	1	1/4
Bit, Insert #2 PZ 1/4" Hex	2	Pozidriv®	1	1/4
Bit, Insert Slotted 1/4" Hex	4F-5R	Slotted	1	1/4
Bit, Insert Slotted 1/4" Hex	6F-8R	Slotted	1	1/4
Bit, Insert Slotted 1/4" Hex	8F-10R	Slotted	1	1/4
Bit, Insert Slotted 1/4" Hex	10F-12R	Slotted	1	1/4
Bit, Insert Slotted 1/4" Hex	12F-14R	Slotted	1-1/2	1/4
Bit, Insert Slotted 1/4" Hex	14F-16R	Slotted	1-1/2	1/4
Bit, Insert T6 Torx® 1/4" Hex	T6	Torx®	1	1/4
Bit, Insert T7 Torx® 1/4" Hex	T7	Torx®	1	1/4
Bit, Insert T8 Torx® 1/4" Hex	T8	Torx®	1	1/4
Bit, Insert T9 Torx® 1/4" Hex	T9	Torx®	1	1/4
Bit, Insert T10 Torx® 1/4" Hex	T10	Torx®	1	1/4
Bit, Insert T15 Torx® 1/4" Hex	T15	Torx®	1	1/4
Bit, Insert T20 Torx® 1/4" Hex	T20	Torx®	1	1/4
Bit, Insert T25 Torx® 1/4" Hex	T25	Torx®	1	1/4
Bit, Insert T30 Torx® 1/4" Hex	T30	Torx®	1	1/4
Bit, Insert T40 Torx® 1/4" Hex	T40	Torx®	1	1/4
3/32" Socket Head, 1/4" Hex	3/32	Socket	1-1/4	1/4
7/64" Socket Head, 1/4" Hex	7/64	Socket	1-1/4	1/4
1/8" Socket Head, 1/4" Hex	1/8	Socket	1-1/4	1/4
9/64" Socket Head, 1/4" Hex	9/64	Socket	1-1/4	1/4
5/32" Socket Head, 1/4" Hex	5/32	Socket	1-1/4	1/4
3/16" Socket Head, 1/4" Hex	3/16	Socket	1-1/4	1/4
Bit, Insert #0 Square Recess 1/4" Hex	0	Square	1	1/4
Bit, Insert #1 Square Recess 1/4" Hex	1	Square	1	1/4
Bit, Insert #2 Square Recess 1/4" Hex	2	Square	1	1/4
Bit, Insert #3 Square Recess 1/4" Hex	3	Square	1	1/4
Bit, Insert 1/8" Clutch, 1/4" Hex	1/8	Clutch	1	1/4
Bit, Insert 5/32" Clutch, 1/4" Hex	5/32	Clutch	1	1/4
Bit, Insert 3/16" Clutch, 1/4" Hex	3/16	Clutch	1	1/4
Bit, Holder Magnetic 1/4" Hex			2-1/4	1/4
Bit, Holder Power 1/4" DR 1/4" Hex			1	1/4

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10 PIECE INSERT BIT SET WITH STORAGE BOX

Product #: J61901

- Popular bits in compact storage box which doubles as a screwdriver handle.
- Bits are power tool rated and can be used with Cordless and Electric Drills.
- Weight (lbs): 0.39



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1	Phillips®	1	1/4
J60008	Bit, Insert #2 Phillips® 1/4" Hex	2	Phillips®	1	1/4
J60020	Bit, Insert #3 Phillips® 1/4" Hex	3	Phillips®	1	1/4
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	3/16	Slotted	1	1/4
J60206	Bit, Insert 5/32" Slotted 1/4" Hex	5/32	Slotted	1	1/4
J60216	Bit, Insert 7/32" Slotted 1/4" Hex	7/32	Slotted	1	1/4
J60508	Bit, Insert T10 Torx® 1/4" Hex	T10	Torx®	1	1/4
J60510	Bit, Insert T15 Torx® 1/4" Hex	T15	Torx®	1	1/4
J60808	1/8" Socket Head, 1/4" Hex	1/8	Socket	1-1/4	1/4
J61223	Bit, Holder Magnetic 1/4" Hex			2-31/32	1/4

11 PIECE 1/4" AND 3/8" DRIVE TORX® BIT SET

Product #: J5239P

- T10 to T50, 2 Bit Holders, with Pouch.
- Not for use on impact application.
- 1/4" and 3/8" drive, 1/4" and 5/16" hex.
- Weight (lbs): 0.36



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60508	Bit, Insert T10 Torx® 1/4" Hex	T10	Torx®	1	1/4
J60510	Bit, Insert T15 Torx® 1/4" Hex	T15	Torx®	1	1/4
J60512	Bit, Insert T20 Torx® 1/4" Hex	T20	Torx®	1	1/4
J60514	Bit, Insert T25 Torx® 1/4" Hex	T25	Torx®	1	1/4
J60516	Bit, Insert T27 Torx® 1/4" Hex	T27	Torx®	1	1/4
J60518	Bit, Insert T30 Torx® 1/4" Hex	T30	Torx®	1	1/4
J60562	Bit, Insert T40 Torx® 5/16" Hex	T40	Torx®	1	5/16
J60564	Bit, Insert T45 Torx® 5/16" Hex	T45	Torx®	1	5/16
J60566	Bit, Insert T50 Torx® 5/16" Hex	T50	Torx®	1	5/16
J6930	Bit, Holder Power 3/8" DR 5/16" Hex			1-5/16	1/4
J6931	Bit, Holder Power 3/8" DR 1/4" Hex			1-1/4	1/4
J25TR50C	Pouch			6-1/3	

7 PIECE 3/8" DRIVE TORX® BIT SET

Product #: J4739P

- Not for use on impact applications.
- 3/8" drive and 5/16" hex
- Weight (lbs): 0.19



Contents	Description	Tip Size	Tips	Overall Length (in)	Drive Size (in)
J60508	Bit, Insert T10 Torx® 1/4" Hex	T10	Torx®	1	1/4
J60510	Bit, Insert T15 Torx® 1/4" Hex	T15	Torx®	1	1/4
J60512	Bit, Insert T20 Torx® 1/4" Hex	T20	Torx®	1	1/4
J60514	Bit, Insert T25 Torx® 1/4" Hex	T25	Torx®	1	1/4
J60516	Bit, Insert T27 Torx® 1/4" Hex	T27	Torx®	1	1/4
J60518	Bit, Insert T30 Torx® 1/4" Hex	T30	Torx®	1	1/4
J6931	Bit, Holder Power 3/8" DR 1/4" Hex			1-1/4	1/4
J25TR50C	Pouch			6-1/3	

SLOTTED SCREW STARTERS

- Pocket clip.

Product #	Overall Length (in)	Weight (lbs)
J9851	2-5/8	0.02
J9853	5-5/8	0.04
J9855	9-5/8	0.09



PHILLIPS® SCREW STARTERS

- Pocket clip.

Product #	Overall Length (in)	Weight (lbs)
J9882	2-3/4	0.02
J9884	5-3/4	0.05
J9886	9-3/4	0.06



COMBINATION SCREW STARTERS

- Pocket clip.

Product #	Overall Length (in)	Weight (lbs)
J9866	6-1/4	0.04



MAGNETIZER/DEMAGNITIZER

- Use for screwdrivers.

Product #	Weight (lbs)
J9888	0.14



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SLOTTED OFFSET SCREWDRIVERS

- Black oxide finish.

Product #	Tip Width (in)	Overall Length (in)	Weight (lbs)
J361/4	1/4	4-5/8	0.05
J365/16	5/16	4-7/8	0.13
J363/8	3/8	6-1/8	0.12



PHILLIPS® OFFSET SCREWDRIVERS

- Precision milled tips for precise fit.
- Black oxide finish.

Product #	Size	Overall Length (in)	Weight (lbs)
J341/4	1, 2	4-3/4	0.07
J343/8	3, 4	6-1/8	0.12



7 PIECE PROTO® HOLLOW SHAFT NUT DRIVER SET

Product #: J9200H

- Full hollow shaft design for maximum bolt clearance.
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Color coded handles for easy size identification.
- Weight (lbs): 4.22



Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206H	3/16	2-3/4	6-11/16	ASME B107.12
J9208H	1/4	2-3/4	6-11/16	ASME B107.12
J9210H	5/16	2-3/4	6-11/16	ASME B107.12
J9211H	11/32	2-3/4	6-11/16	ASME B107.12
J9212H	3/8	2-3/4	6-11/16	ASME B107.12
J9214H	7/16	2-3/4	6-11/16	ASME B107.12
J9216H	1/2	2-3/4	6-11/16	ASME B107.12
J9200CBB	Blow-Molded Case			

11 PIECE PROTO® NUT DRIVER SET

Product #: J9200DB

- Precision formed, heat-treated hex openings.
- Color coded handles for easy identification.
- One-piece shaft design for greater strength and durability.
- Weight (lbs): 4.22

Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206	3/16	2-3/4	6-11/16	ASME B107.12
J9207	7/32	2-3/4	6-11/16	ASME B107.12
J9208	1/4	2-3/4	6-11/16	ASME B107.12
J9209	9/32	2-3/4	6-11/16	ASME B107.12
J9210	5/16	2-3/4	6-11/16	ASME B107.12
J9211	11/32	2-3/4	6-11/16	ASME B107.12
J9212	3/8	2-3/4	6-11/16	ASME B107.12
J9214	7/16	2-3/4	7	ASME B107.12
J9216	1/2	2-3/4	7	ASME B107.12
J9218	9/16	2-3/4	7	ASME B107.12
J9220	5/8	2-3/4	7	ASME B107.12
J9200DPB	Blow-Molded Case			



11 PIECE PROTO® METRIC NUT DRIVER SET

Product #: J9201MB

- Precision formed, heat-treated hex openings.
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Blue handle for easy metric identification.
- Weight (lbs): 4.39

Contents	Size (mm)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9204M	4	2-7/8	7	ASME B107.12
J9205M	5	2-7/8	7	ASME B107.12
J92055M	5.5	2-7/8	7	ASME B107.12
J9206M	6	2-7/8	7	ASME B107.12
J9207M	7	2-7/8	7	ASME B107.12
J9208M	8	2-7/8	7	ASME B107.12
J9209M	9	2-7/8	7	ASME B107.12
J92010M	10	2-7/8	7	ASME B107.12
J92011M	11	2-7/8	7	ASME B107.12
J92013M	13	2-7/8	7	ASME B107.12
J92014M	14	2-7/8	7	ASME B107.12
J9200DPB	Blow-Molded Case			



7 PIECE PROTO® NUT DRIVER SET

Product #: J9200C

- Precision formed, heat-treated hex openings.
- Color coded handles for easy identification.
- One-piece shaft design for greater strength and durability.
- Weight (lbs): 1.77



Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206	3/16	2-3/4	6-11/16	ASME B107.12
J9207	7/32	2-3/4	6-11/16	ASME B107.12
J9208	1/4	2-3/4	6-11/16	ASME B107.12
J9209	9/32	2-3/4	6-11/16	ASME B107.12
J9210	5/16	2-3/4	6-11/16	ASME B107.12
J9211	11/32	2-3/4	6-11/16	ASME B107.12
J9212	3/8	2-3/4	6-11/16	ASME B107.12
J25TR24C	Pouch			

7 PIECE METRIC NUT DRIVER SET

Product #: J9230M

- Precision formed, heat-treated hex openings.
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Blue handle for easy metric identification.



Contents	Size (mm)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J92055M	5.5	2-7/8	7	ASME B107.12
J9205M	5	2-7/8	7	ASME B107.12
J9206M	6	2-7/8	7	ASME B107.12
J9207M	7	2-7/8	7	ASME B107.12
J9208M	8	2-7/8	7	ASME B107.12
J9209M	9	2-7/8	7	ASME B107.12
J9210M	10	2-7/8	7	ASME B107.12
J2488	Pouch			

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

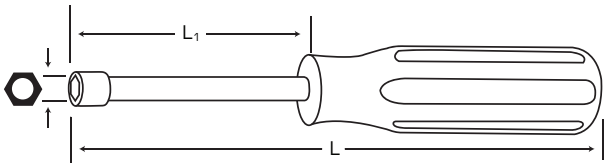
TRADITIONAL NUT DRIVERS

- Full hollow shaft design for maximum bolt clearance (part numbers ending with "H").
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Color coded handles for easy size identification.

Product #	Size (in)	Size (mm)	Length (in) (L1)	Weight (lbs)
J9206H	3/16	–	2-3/4	0.18
J9208H	1/4	–	2-3/4	0.18
J9210H	5/16	–	2-3/4	0.19
J9211H	11/32	–	2-3/4	0.22
J9212H	3/8	–	2-3/4	0.19
J9214H	7/16	–	2-3/4	0.27
J9216H	1/2	–	2-3/4	0.27
J9206	3/16	–	2-3/4	0.20
J9207	7/32	–	2-3/4	0.20
J9208	1/4	–	2-3/4	0.19
J9209	9/32	–	2-3/4	0.23
J9210	5/16	–	2-3/4	0.23
J9211	11/32	–	2-3/4	0.22
J9212	3/8	–	2-3/4	0.23
J9214	7/16	–	2-3/4	0.34
J9216	1/2	–	2-3/4	0.34
J9218	9/16	–	2-3/4	0.45
J9220	5/8	–	2-3/4	0.50
J9204M	–	4	2-7/8	0.19
J9205M	–	5	2-7/8	0.19
J92055M	–	5.5	2-7/8	0.19
J9206M	–	6	2-7/8	0.19
J9207M	–	7	2-7/8	0.22
J9208M	–	8	2-7/8	0.22
J9209M	–	9	2-7/8	0.24
J9210M	–	10	2-7/8	0.29
J9211M	–	11	2-7/8	0.36
J9212M	–	12	2-7/8	0.36
J9213M	–	13	2-7/8	0.43
J9214M	–	14	2-7/8	0.50

ASME B107.12





INSULATED NUT DRIVERS

- Insulated to 1000V AC or 1500 DC.

Product #	Size (in)	Length (in)	Weight (lbs)
FM-71.1AVSE	6x8 10x12	6	0.36
FM-71.2AVSE	6x9 11x13	6	0.54
FM-71.3AVSE	8x10 12x14	6	0.56



FACOM

INSULATED T-HANDLES

FACOM

- Insulated to 1000V AC or 1500 DC.

Product #	Size (mm)	Length (in)	Weight (lbs)
FM-94T.6AVSE	6	5-3/4	0.33
FM-94T.8AVSE	8	5-3/4	0.36
FM-94T.10AVSE	10	5-3/4	0.41
FM-94T.11AVSE	11	5-3/4	0.47
FM-94T.12AVSE	12	5-3/4	0.47
FM-94T.13AVSE	13	5-3/4	0.50
FM-94T.14AVSE	14	5-3/4	0.50
FM-94TL.10AVSE	10	12-1/2	0.91
FM-94TL.13AVSE	13	12-1/2	1.15
FM-94TL.16AVSE	16	12-1/2	1.85
FM-94TL.17AVSE	17	12-1/2	1.92
FM-94TL.19AVSE	19	12-1/2	2.06



NUT SETTERS

- Magnets feature enhanced holding power to help improve fastener retention, helping to increase productivity.



Product #	Drive Size (in)	Socket Body Dia. (in)	Overall Length (in)	Weight (lbs)
J61652	1/4 Hex	1/2	1-7/8	0.05
J61654	1/4 Hex	9/16	1-7/8	0.05
J61650	1/4 Hex	7/16	1-7/8	0.04
J61656	1/4 Hex	5/8	1-7/8	0.07
J61690	1/4 Hex	7/16	1-7/8	0.04
J61692	1/4 Hex	1/2	1-7/8	0.05
J61694	1/4 Hex	9/16	1-7/8	0.05
J61620	1/4 Hex	7/16	2-9/16	0.06
J61628	1/4 Hex	7/16	2-9/16	0.06
J61622	1/4 Hex	1/2	2-9/16	0.07
J61630	1/4 Hex	1/2	2-9/16	0.07
J61624	1/4 Hex	9/16	2-9/16	0.07
J61632	1/4 Hex	9/16	2-9/16	0.08
J61626	1/4 Hex	5/8	2-9/16	0.09

3 PIECE NUT SETTER SET - 1/4" HEX SHANK

Product #: J61909HS

- TorquePlus™ features apply.
- Magnets feature enhanced holding power to help improve fastener retention, helping to increase productivity.
- Distinctive gold finish.
- Weight (lbs): 0.21

TORQUEPLUS FASTENING SYSTEM



Contents	Description	Tips	Overall Length (in)	Weight (lbs)
J61620HS	1/4" Nut Setter, 1/4" Hex	Nut Setter	2-9/16	0.06
J61622HS	5/16" Nut Setter, 1/4" Hex	Nut Setter	1-9/16	0.07
J61624HS	3/8" Nut Setter, 1/4" Hex	Nut Setter	1-9/16	0.07

18 PIECE STANDARD HEX KEY SET

Product #: J4986

- Metal storage box included.
- Weight (lbs): 3.36

Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46101	0.028	1-1/4	1/8	B18.3
J46102	0.035	1-1/4	3/16	B18.3
J46103	0.050	1-11/16	1/2	B18.3
J46104	1/16	1-3/4	9/16	B18.3
J46105	5/64	1-7/8	5/8	B18.3
J46106	3/32	2	11/16	B18.3
J46107	7/64	2-1/8	23/32	B18.3
J46108	1/8	2-1/4	3/4	B18.3
J46109	9/64	2-3/8	13/16	B18.3
J46110	5/32	2-1/2	27/32	B18.3
J46112	3/16	2-3/4	15/16	B18.3
J46114	7/32	3	1	B18.3
J46116	1/4	3-1/4	1-1/8	B18.3
J46120	5/16	3-3/4	1-1/4	B18.3
J46124	3/8	4-1/4	1-3/8	B18.3
J46132	1/2	5-1/4	1-5/8	B18.3
J46136	9/16	5-3/4	1-3/4	B18.3
J46140	5/8	6-1/4	1-7/8	B18.3



13 PIECE STANDARD HEX KEY SET

Product #: J4980

- Molded plastic holder included.
- Weight (lbs): 0.60

Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46103	0.050	1-11/16	1/2	B18.3
J46104	1/16	1-3/4	9/16	B18.3
J46105	5/64	1-7/8	5/8	B18.3
J46106	3/32	2	11/16	B18.3
J46107	7/64	2-1/8	23/32	B18.3
J46108	1/8	2-1/4	3/4	B18.3
J46109	9/64	2-3/8	13/16	B18.3
J46110	5/32	2-1/2	27/32	B18.3
J46112	3/16	2-3/4	15/16	B18.3
J46114	7/32	3	1	B18.3
J46116	1/4	3-1/4	1-1/8	B18.3
J46120	5/16	3-3/4	1-1/4	B18.3
J46124	3/8	4-1/4	1-3/8	B18.3





11 PIECE STANDARD HEX KEY SET

Product #: J4981

- Molded plastic holder included.
- Weight (lbs): 0.24

Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46103	0.050	1-11/16	1/2	B18.3
J46104	1/16	1-3/4	9/16	B18.3
J46106	3/32	2	11/16	B18.3
J46105	5/64	1-7/8	5/8	B18.3
J46107	7/64	2-1/8	23/32	B18.3
J46108	1/8	2-1/4	3/4	B18.3
J46109	9/64	2-3/8	13/16	B18.3
J46110	5/32	2-1/2	27/32	B18.3
J46112	3/16	2-3/4	15/16	B18.3
J46114	7/32	3	1	B18.3
J46116	1/4	3-1/4	1-1/8	B18.3



7 PIECE STANDARD HEX KEY SET

Product #: J4982

- Molded plastic holder included.
- Weight (lbs): 1.20

Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46105	5/64	1-7/8	5/8	B18.3
J46106	3/32	2	11/16	B18.3
J46108	1/8	2-1/4	3/4	B18.3
J46110	5/32	2-1/2	27/32	B18.3
J46112	3/16	2-3/4	15/16	B18.3
J46114	7/32	3	1	B18.3
J46116	1/4	3-1/4	1-1/8	B18.3



15 PIECE STANDARD HEX KEY SET - METRIC

METRIC

Product #: J4988M

- Metal storage box included.
- Weight (lbs): 3.4

Contents	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46300	0.07	1-7/32	15/64	B18.3.2M
J46302	0.09	1-7/32	23/64	B18.3.2M
J46304	1.3	1-39/64	33/64	B18.3.2M
J46306	1.5	1-47/64	33/64	B18.3.2M
J46308	2	1-59/64	5/8	B18.3.2M
J46310	2.5	2-11/64	45/64	B18.3.2M
J46312	3	2-7/16	3/4	B18.3.2M
J46314	4	2-43/64	15/16	B18.3.2M
J46316	5	3-5/64	1-1/16	B18.3.2M
J46318	6	3-15/32	1-7/32	B18.3.2M
J46320	8	3-55/64	1-3/8	B18.3.2M
J46322	10	4-19/64	1-17/32	B18.3.2M
J46324	12	4-51/64	1-47/64	B18.3.2M
J46326	14	5-23/64	2-11/64	B18.3.2M
J46328	17	6-9/64	2-13/32	B18.3.2M



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

9 PIECE STANDARD HEX KEY SET - METRIC

METRIC

Product #: J4984



- Molded plastic holder included.
- Overall length for hex keys ranges from 33/64" to 1-17/32".
- Hex size ranges from 1.5 mm to 10 mm.
- Weight (lbs): 0.54

Contents	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46306	1.5	1-47/64	33/64	B18.3.2M
J46308	2	1-59/64	5/8	B18.3.2M
J46310	2.5	2-11/64	45/64	B18.3.2M
J46312	3	2-7/16	3/4	B18.3.2M
J46314	4	2-43/64	15/16	B18.3.2M
J46316	5	3-5/64	1-1/16	B18.3.2M
J46318	6	3-15/32	1-7/32	B18.3.2M
J46320	8	3-55/64	1-3/8	B18.3.2M
J46322	10	4-19/64	1-17/32	B18.3.2M

7 PIECE STANDARD HEX KEY SET - METRIC

METRIC

Product #: J4985

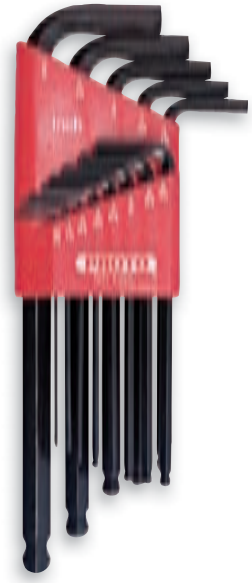


- Molded plastic holder.
- Overall length for hex keys ranges from 44 mm to 88 mm.
- Hex size ranges from 1.5 mm to 6 mm.
- Weight (lbs): 0.16

Contents	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46306	1.5	1-47/64	33/64	B18.3.2M
J46308	2	1-59/64	5/8	B18.3.2M
J46310	2.5	2-11/64	45/64	B18.3.2M
J46312	3	2-7/16	3/4	B18.3.2M
J46314	4	2-43/64	15/16	B18.3.2M
J46316	5	3-5/64	1-1/16	B18.3.2M
J46318	6	3-15/32	1-7/32	B18.3.2M

13 PIECE ROUND HEAD HEX KEY SET

Product #: J4995



- Screws can be tightened or loosened at angles up to 25°.
- Weight (lbs): 0.82

Size (in)	Length (in)
.050	2-5/16
1/6	3-1/6
5/64	3-1/4
3/32	3-1/2
7/64	3-11/16
1/8	3-7/8
9/64	4-1/8
5/32	4-5/16
3/16	4-11/16
7/32	5-1/8
1/4	5-1/2
5/16	6-1/4
3/8	7-1/16
Molded Plastic Holder	



9 PIECE ROUND HEAD HEX KEY SET - METRIC

METRIC

Product #: J4996

- Ball end can tighten or loosen screws at angles up to 25°.
- Weight (lbs): 1.70



Size (mm)	Length (in)
1.5	3-5/64
2	3-5/16
2.5	3-5/8
3	4-1/64
4	4-31/64
5	5-1/8
6	6-9/64
8	7-1/64
10	7-3/4
Molded Plastic Holder	

10 PIECE TORX® KEY SET

Product #: J4961

- Weight (lbs): 0.76



Torx® Size	Length (in)
T10	2-3/8
T15	2-1/2
T20	2-11/16
T25	2-1/8
T27	3
T30	3-1/4
T40	3-15/16
T45	4-1/16
T50	4-9/16
T55	5-3/16
Plastic Pouch	

14 PIECE LONG HEX KEY SET

Product #: J4987

- Metal storage box included.
- Weight (lbs): 2.28



Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46203	0.050	2-7/8	1/2	B18.3
J46204	1/16	3	9/16	B18.3
J46205	5/64	3-3/16	5/8	B18.3
J46206	3/32	3-3/8	11/16	B18.3
J46207	7/64	3-9/16	23/32	B18.3
J46208	1/8	3-3/4	3/4	B18.3
J46209	9/64	3-15/16	13/16	B18.3
J46210	5/32	4-1/8	27/32	B18.3
J46212	3/16	4-1/2	15/16	B18.3
J46214	7/32	4-7/8	1	B18.3
J46216	1/4	5-1/4	1-1/8	B18.3
J46220	5/16	6	1-1/4	B18.3
J46224	3/8	6-3/4	1-3/8	B18.3
J46232	1/2	8-1/4	1-5/8	B18.3

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

13 PIECE LONG HEX KEY SET

Product #: J4983

Contents	Size (in)	Long Arm Length (in)	Short Arm Length (in)	ASME Spec.
J46203	0.050	2-7/8	1/2	B18.3
J46204	1/16	3	9/16	B18.3
J46205	5/64	3-3/16	5/8	B18.3
J46206	3/32	3-3/8	11/16	B18.3
J46207	7/64	3-9/16	23/32	B18.3
J46208	1/8	3-3/4	3/4	B18.3
J46209	9/64	3-15/16	13/16	B18.3
J46210	5/32	4-1/8	27/32	B18.3
J46212	3/16	4-1/2	15/16	B18.3
J46214	7/32	4-7/8	1	B18.3
J46216	1/4	5-1/4	1-1/8	B18.3
J46220	5/16	6	1-1/4	B18.3
J46224	3/8	6-3/4	1-3/8	B18.3

- Molded plastic holder included.
- Weight (lbs): 0.84



STANDARD HEX KEYS

- Heat-treated for durability.
- Rust resistant black oxide finish.



Product #	Size (in)	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	Weight (lbs)
J46101	0.028	–	1-1/4	1/8	0.01
J46102	0.035	–	1-1/4	3/16	0.01
J46103	0.050	–	1-11/16	1/2	0.01
J46104	1/16	–	1-3/4	9/16	0.01
J46105	5/64	–	1-7/8	5/8	0.01
J46106	3/32	–	2	11/16	0.01
J46107	7/64	–	2-1/8	23/32	0.01
J46108	1/8	–	2-1/4	3/4	0.01
J46109	9/64	–	2-3/8	13/16	0.02
J46110	5/32	–	2-1/2	27/32	0.02
J46112	3/16	–	2-3/4	15/16	0.03
J46114	7/32	–	3	1	0.05
J46116	1/4	–	3-1/4	1-1/8	0.07
J46120	5/16	–	3-3/4	1-1/4	0.10
J46124	3/8	–	4-1/4	1-3/8	0.19
J46128	7/16	–	4-3/4	1-1/2	0.31
J46132	1/2	–	5-1/4	1-5/8	0.31
J46136	9/16	–	5-3/4	1-3/4	0.31
J46140	5/8	–	6-1/4	1-7/8	0.58
J46300	–	0.07	1-7/32	15/64	0.01
J46302	–	0.09	1-7/32	23/64	0.01
J46304	–	1.3	1-39/64	33/64	0.01
J46306	–	1.5	1-47/64	33/64	0.01
J46308	–	2	1-59/64	5/8	0.01
J46310	–	2.5	2-11/64	45/64	0.01
J46312	–	3	2-7/16	3/4	0.01
J46314	–	4	2-43/64	15/16	0.01
J46316	–	5	3-5/64	1-1/16	0.04
J46318	–	6	3-15/32	1-7/32	0.07
J46320	–	8	3-55/64	1-3/8	0.13
J46322	–	10	4-19/64	1-17/32	0.23
J46324	–	12	4-51/64	1-47/64	0.36
J46326	–	14	5-23/64	2-11/64	0.57
J46328	–	17	6-9/64	2-13/32	0.95

Torx® is a trademark of Acument Intellectual Properties, LLC



LONG HEX KEYS

- Heat-treated for durability.
- Rust resistant black oxide finish.



Product #	Size (in)	Long Arm Length (in)	Short Arm Length (in)	Weight (lbs)
J46203	.050	2-7/8	1/2	0.01
J46204	1/16	3	9/16	0.01
J46205	5/64	3-3/16	5/8	0.01
J46206	3/32	3-3/8	11/16	0.01
J46207	7/64	3-9/16	23/32	0.01
J46208	1/8	3-3/4	3/4	0.02
J46209	9/64	3-15/16	13/16	0.03
J46210	5/32	4-1/8	27/32	0.03
J46212	3/16	4-1/2	15/16	0.05
J46214	7/32	4-7/8	1	0.07
J46216	1/4	5-1/4	1-1/8	0.10
J46220	5/16	6	1-1/4	0.17
J46224	3/8	6-3/4	1-3/8	0.28
J46228	7/16	7-1/2	1-1/2	0.45
J46232	1/2	8-1/4	1-5/8	0.61

B18.3

FACOM® INSULATED HEX KEYS

- Hardened alloy-steel exceeds specified strengths.
- 2-color warning insulation.
- Insulated to 1000V AC or 1500 DC.



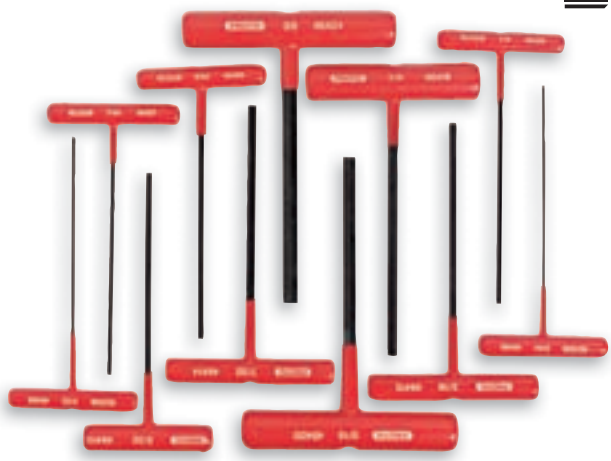
Product #	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	Weight (lbs)
FM-83.3AVSE	3	4-59/64	3-11/32	0.04
FM-83.4AVSE	4	4-59/64	3-11/32	0.07
FM-83.5AVSE	5	4-59/64	3-11/32	0.11
FM-83.6AVSE	6	4-59/64	3-11/32	0.15
FM-83.8AVSE	8	4-59/64	3-11/32	0.24
FM-83.10AVSE	10	4-59/64	3-11/32	0.33
FM-83.12AVSE	12	4-59/64	3-11/32	0.46

11 PIECE T-HANDLE HEX KEY SET

Product #: J4968

- Weight (lbs): 3.98

Contents	Size (in)	Handle Length (in)	Length (in)	Weight (lbs)
J46405	5/64	3	6	0.11
J46406	3/32	3	6	0.11
J46407	7/64	3	6	0.11
J46408	1/8	3	6	0.14
J46409	9/64	3	6	0.14
J46410	5/32	3	6	0.32
J46412	3/16	4	6	0.32
J46414	7/32	4	6	0.63
J46416	1/4	4	6	0.82
J46420	5/16	6	6	0.89
J46424	3/8	6	6	0.90



T-HANDLE HEX KEYS

Product #	Size (in)	Handle Length (in)	Length (in)	Weight (lbs)
J46405	5/64	3	6	0.11
J46406	3/32	3	6	0.11
J46407	7/64	3	6	0.11
J46408	1/8	3	6	0.14
J46409	9/64	3	6	0.14
J46410	5/32	3	6	0.32
J46412	3/16	4	6	0.32
J46414	7/32	4	6	0.63
J46416	1/4	4	6	0.82
J46420	5/16	6	6	0.89
J46424	3/8	6	6	0.90



6 PIECE METRIC T-HANDLE HEX KEY SET

Product #: J4969

- Weight (lbs): 1.00

Contents	Size (mm)	Handle Length (in)	Length (in)	Weight (lbs)
J46508	2	3	6	0.11
J46510	2.5	3	6	0.13
J46512	3	3	6	0.13
J46514	4	3	6	0.14
J46516	5	4	6	0.32
J46518	6	4	6	0.62



T-HANDLE HEX KEYS - METRIC

Product #	Size (mm)	Length (in)	Weight (lbs)
J46508	2	6	0.11
J46510	2.5	6	0.13
J46512	3	6	0.13
J46514	4	6	0.14
J46516	5	6	0.32
J46518	6	6	0.62



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9 PIECE FOLDING HEX KEY SET

Product #: J4993CG

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
5/64	#8	#2, #3	#3, #4
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4"	–	#8
9/64	–	#8	–
5/32	5/16"	#10	#10
3/16	3/8"	1/4"	1/4"
7/32	7/16"	–	5/16"
1/4	1/2", 9/16"	5/16"	–

ASME B18.3

- Case is 4-1/4" long.
- Black oxide bits are 1-7/16" to 2-3/4" long.
- Cushioned palm grip for comfort.
- Weight (lbs): 0.47



9 PIECE FOLDING HEX KEY SET

Product #: J4978

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
.050	#3, #4	#0	#0, #1
1/16	#5, #6	#1	#2
5/64	#8	#2, #3	#3, #4
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4	–	#8
9/64	–	#8	–
5/32	5/16	#10	#10
3/16	3/8	1/4	1/4

- Chrome plated steel case is 3-5/8" long.
- Black oxide bits are 1-1/2" to 2" long.
- Weight (lbs): 0.27



9 PIECE FOLDING HEX KEY SET

Product #: J4993

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
5/64	#8	#2, #3	#3, #4
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4	–	#8
9/64	–	#8	–
5/32	5/16	#10	#10
3/16	3/8	1/4	1/4
7/32	7/16	–	5/16
1/4	1/2, 9/16	5/16	–

- Chrome plated steel case is 4-1/2" long.
- Black oxide bits are 1-7/16" to 2-3/4" long.
- Weight (lbs): 0.47





8 PIECE FOLDING HEX KEY SET

Product #: J4992CG

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
.050	#3, #4	#0	#0, #1
1/16	#5, #6	#1	#2
5/64	#8	#2, #3	#3, #4
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4	–	#8
9/64	–	#8	–
5/32	5/16	#10	#10

ASME B18.3

- Case is 3" long.
- Black oxide bits are 1-1/4" to 1-15/16" long.
- Cushioned palm grip for comfort.
- Weight (lbs): 0.18



8 PIECE FOLDING HEX KEY SET

Product #: J4992

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
.050	#3, #4	#0	#0, #1
1/16	#5, #6	#1	#2
5/64	#8	#2, #3	#3, #4
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4	–	#8
9/64	–	#8	–
5/32	5/16	#10	#10

ASME B18.3

- Chrome plated steel case is 3" long.
- Black oxide bits are 1-1/4" to 1-5/16" long.
- Weight (lbs): 0.18



6 PIECE FOLDING CUSHION GRIP HEX KEY SET

Product #: J4996CG

- Case is 5-1/2" long.
- Cushioned palm grip for comfort.
- Weight (lbs): 0.24

Hex Size (in)
5/32
3/16
7/32
1/4
5/16
3/8



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8 PIECE LONG FOLDING HEX KEY SET

Product #: J4991

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
3/32	#10, #12	#4, #5	#5, #6
7/64	–	#6	–
1/8	1/4	–	#8
9/64	–	#8	–
5/32	5/16	#10	#10
3/16	3/8	1/4	1/4
7/32	7/16	–	5/16
1/4	1/2, 9/16	5/16	–

- Chrome plated steel case is 5-1/4" long.
- Black oxide bits are 4" long.
- Weight (lbs): 0.61



5 PIECE LONG FOLDING HEX KEY SET

Product #: J4994

Hex Size (in)	Set Screws	Fits Cap Screws 1960 Series	Cap Screws 1936 Series
3/16	3/8	1/4	1/4
7/32	7/16	–	5/16
1/4	1/2, 9/16	5/16	–
5/16	5/8	3/8	3/8, 7/16
3/8	3/4	7/16, 1/2	1/2, 9/16

- Chrome plated steel case is 5-1/4" long.
- Black oxide bits are 2-7/16" to 3-1/4" long.
- Weight (lbs): 0.83



7 PIECE METRIC LONG FOLDING HEX KEY SET

METRIC

Product #: J4974CG

Hex Size (mm)	Length (in)
1.5	3
2	3
2.5	3
3	3
4	3
5	3
6	3

ASME B18.3.2M

- Case is 3-1/2" long.
- Cushioned palm grip for comfort.
- Weight (lbs): 0.31



6 PIECE METRIC LONG FOLDING HEX KEY SET

METRIC

Product #: J4973CG

Hex Size (mm)	Length (in)
3	3
4	3
5	3
6	3
8	3
10	3

ASME B18.3.2M

- Case is 6-1/2" long.
- Black oxide bits are 3" long.
- Cushioned palm grip for comfort.
- Weight (lbs): 0.84



7 PIECE METRIC FOLDING HEX KEY SET

METRIC

Product #: J4974

- Chrome plated steel case is 3-1/2" long.
- Black oxide bits are 3" long.
- Weight (lbs): 0.31

Hex Size (mm)	Length (in)
1.5	3
2	3
2.5	3
3	3
4	3
5	3
6	3



6 PIECE METRIC LONG FOLDING HEX KEY SET

METRIC

Product #: J4973

- Chrome plated steel case is 6-1/2" long.
- Black oxide bits are 5" long.
- Weight (lbs): 0.84

Hex Size (mm)	Length (in)
3	5
4	5
5	5
6	5
8	5
10	5



8 PIECE TORX® FOLDING HEX KEY SET

Product #: J4979TXCG

- Cushioned palm grip for comfort.
- Weight (lbs): 0.45

Torx® Size	Length (in)
T9 - T40	3



8 PIECE TORX® FOLDING HEX KEY SET

Product #: J4979TX

- Weight (lbs): 0.45

Torx® Size	Length (in)
T9	2-1/4
T10	2-3/8
T15	2-9/16
T20	2-5/8
T25	2-3/4
T27	2-7/8
T30	3
T40	3-1/8





BASEBALL HAS THE UTILITY INFIELDER. INDUSTRY HAS THE PLIERS.

Regardless of the industry, pliers, clamps, cutters and snips get reached for often. Proto®'s line is broad, featuring a wide range of general and specific-use tools. It's tough, too, forged from high quality alloy steel that's heat-treated. Most of our pliers are fitted with cushioned, slip-resistant handles.

And we build in features to reduce effort on your part. For example, our Electrostatic Discharge (ESD) pliers are a unique, dual-leaf spring design that automatically opens the jaws when you relax your grip.

Our pliers fit the task, cover the gamut and make work easier. That's utility.

PLIERS, CLAMPING AND CUTTING



Curved Jaw Locking Pliers

PROTO

PROTO

PROTO® LOCKING PLIERS

Designed by engineers who look at each problem with fresh eyes, no matter how simple, each Proto® tool brings quality, durability and accuracy to the job site.

High corrosion resistant finish with welding spatter resistance.

Large diameter rivets to provide secure joints adding to the durability and robustness of the tools.

Locking mechanism helps leave both hands free when clamping, helping to eliminate squeezing action and general hand fatigue when manipulating.

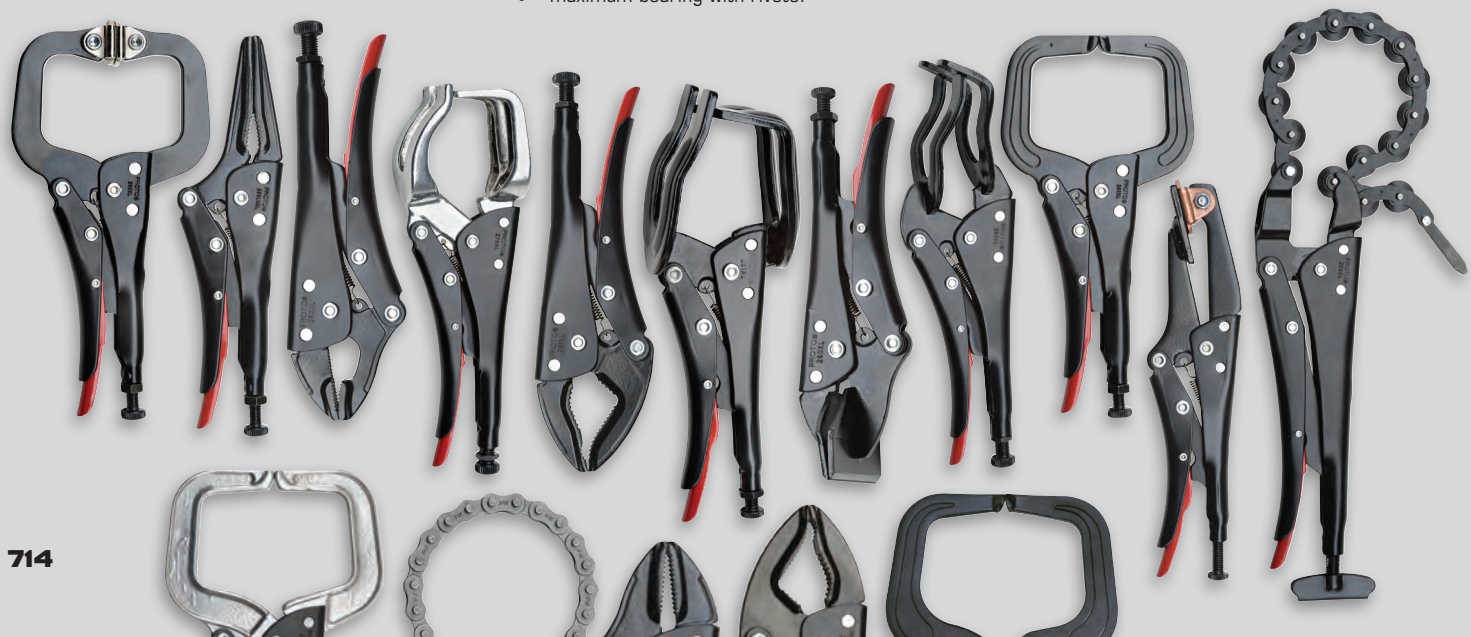


Tip of release lever projects at end of handle for a quick, no-pinch, powerful release especially when tools are firmly locked.

Spring-loaded release lever is out of the way when handling.

Drop forged jaws and rugged tooth profile for durability and toughness.

Holes in mobile jaw are drilled, not press punched to ensure cylindrical shape and maximum bearing with rivets.



SAFETY WIRE PLIERS

Safety wire is a type of positive locking device that prevents fasteners from loosening due to vibration and other forces. The presence of safety wiring also serves to indicate that the fasteners have been properly tightened.

Safety wire is available in a variety of gauges and materials, depending on the application. In aircraft and racing applications, stainless steel wire is used, most commonly in .032" diameter. Typically, the wire is threaded through a hole drilled into a fastener or part, then twisted and anchored to a second fastener or part, then twisted again.



SLIP-JOINT PLIERS

Ajustable for a variety of general uses.



TONGUE AND GROOVE



COMBINATION



THIN NOSE



HOSE CLAMP

FIXED-JOINT PLIERS

Flush joint design for specialty jaws



NEEDLE-NOSE



DUCKBILL



DIAGONAL CUTTING



LINEMAN'S

INSULATED PLIERS

Insulated to 1000 volts AC and 1500 volts DC



MULTIGRIP



FLAT NOSE



END CUTTER



BENT NOSE



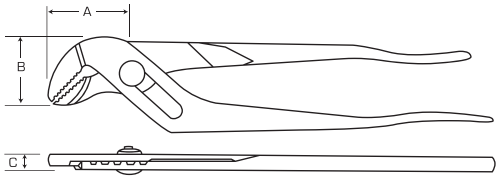
TONGUE AND GROOVE POWER-TRACK® II PLIERS

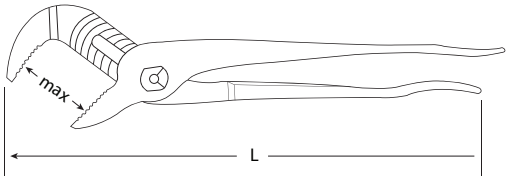
- Precision milled undercut groove joint provides interlocking feature for powerful non-slip performance.
- Special fastener ensures permanent assembly, yet allows for easy adjustment.
- Angled teeth provide superior gripping power over standard right angled teeth.
- Plastisol grips for added comfort.
- Natural finish.



Product #	Overall Length (in) (L)	Max. Opening (in)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J261SG	4-5/8	15/32	7/8	13/16	3/16	0.15
J262SG	7-1/16	1-1/8	1-3/8	1-3/4	5/16	0.48
J260SG	10-3/16	2-1/8	1-15/16	2-3/4	13/32	1.00
J264SG	12	2-5/8	2-1/4	2-3/4	3/8	1.81
J265SG	16-7/8	4-1/16	3-3/8	4-1/8	17/32	3.50

ASME B107.500





COMBINATION SLIP-JOINT PLIERS

- Has two jaw positions and shear type wire cutter.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J275	5-3/4	1-5/16	7/8	9/32	0.24
J276	6-1/2	1-3/4	1-3/16	3/8	0.52
J278	8	1-3/4	1-13/64	3/8	0.67
J280	9-1/2	2-3/8	1-7/64	15/32	1.00

ASME B107.500

COMBINATION SLIP-JOINT PLIERS WITH GRIP

- Has two jaw positions and shear type wire cutter.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J275G	5-13/16	1-5/16	7/8	9/32	0.24
J276G	6-9/16	1-3/4	1-3/16	3/8	0.52
J278G	8-1/16	1-3/4	1-13/64	3/8	0.67
J280G	9-9/16	2-3/8	1-7/16	15/32	1.00

ASME B107.500

SMALL ANGLE NOSE PLIERS

- Nose angled for easy access.
- Angled teeth provide superior gripping power over standard right angled teeth.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J235	4-1/16	3/4	5/8	11/64	0.10

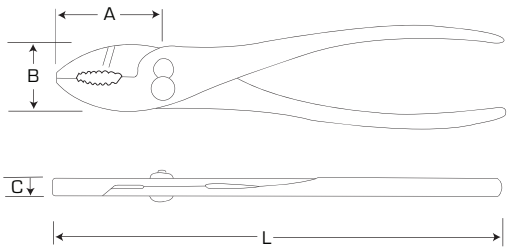
THIN NOSE PLIERS

- Easy access to tight areas.
- Has two jaw positions and shear type wire cutter.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J202G	6-11/16	1-15/16	1-1/16	3/16	0.47

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SOFT JAW - CANNON PLUG PLIERS

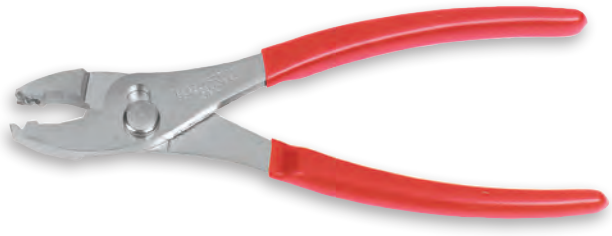
- Capacity of 3/4" to 2-1/2".
- Four position pivot design provides greater concentricity.
- Replaceable urethane padded jaws protect work piece from marking or scratching
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Max. Opening (in)	Replacement Item	Weight (lbs)
J253G	9-1/2	3/4 - 2-1/2	253GRK	0.54

HOSE CLAMP PLIERS

- Installs and removes wire spring tension clamps.
- Two position jaws grip full range of clamp sizes.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J252G	7-3/4	0.56



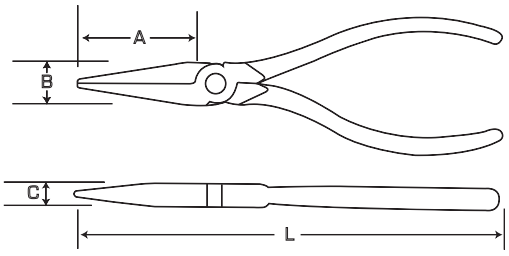
NEEDLE-NOSE PLIERS

- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282G	4-7/8	1-3/16	7/16	1/4	0.16
J229-03G	5-9/16	1-11/16	1/2	9/32	0.23
J220G	6-5/8	1-7/8	11/16	3/8	0.35

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NEEDLE-NOSE PLIERS - COIL SPRING

- Coil spring.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

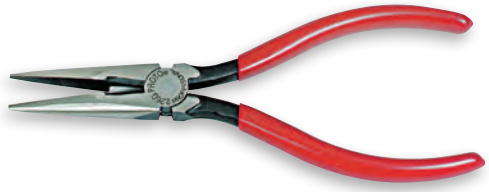


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282BSG	5	1-3/16	7/16	1/4	0.16

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NEEDLE-NOSE PLIERS WITH CUTTER

- Induction hardened cutting edges.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

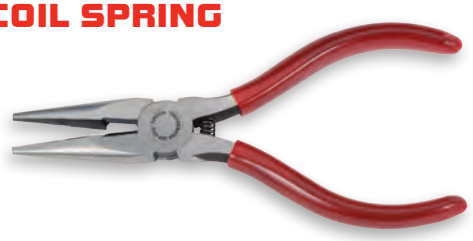


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J226G	6-5/8	1-7/8	11/16	3/8	0.34

ASME B107.500

NEEDLE-NOSE PLIERS WITH CUTTER - COIL SPRING

- Induction hardened cutting edges.
- Diamond serrated jaws.
- Coil spring.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J229-01G	5-9/16	1-11/16	1/2	9/32	0.23
J226-01G	7-1/2	2-5/8	3/4	3/8	0.40

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

NEEDLE-NOSE PLIERS - LONG REACH

- Extra-long handle allows greater access to confined, restricted areas.
- Improved fulcrum point provides more holding power at the tip with less gripping effort.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J240G	11-9/16	2-13/16	23/32	13/32	0.63

NEEDLE-NOSE PLIERS - LONG

- Long handle for added leverage.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

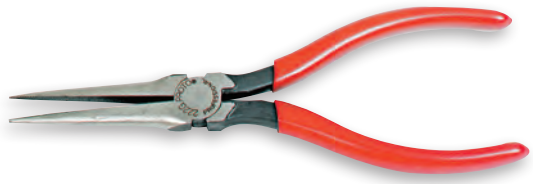


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J228G	7-25/32	1-9/16	17/32	7/16	0.38

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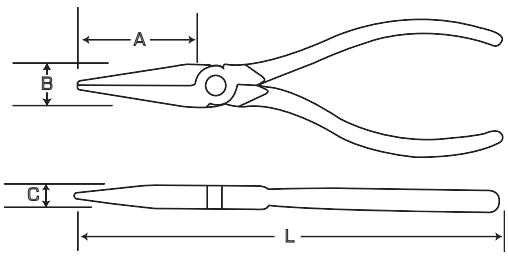
NEEDLE-NOSE PLIERS - LONG THIN

- Very thin nose allows access into minimum clearance areas.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J222G	6-1/16	2-1/8	11/16	11/32	0.28

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NEEDLE-NOSE PLIERS - LONG EXTRA THIN

- Extra slim-nose pliers for light precision work.
- Designed for gripping, looping, and twisting wire in confined areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J223G	6-5/32	2-5/32	1/2	9/32	0.20

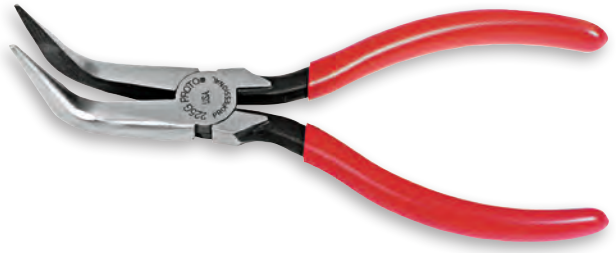
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BENT NOSE-NEEDLE NOSE PLIERS

- Nose bent to 78° angle to reach around obstructions.
- Very thin nose allows access into minimum clearance areas.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J225G	6-5/16	1-5/8	3/4	3/8	0.42

ASME B107.500

BENT NOSE NEEDLE-NOSE PLIERS - LONG REACH

- Extra-long handle allows greater access to confined, restricted areas.
- Improved fulcrum point provides more holding power at the tip with less gripping effort.
- Bent nose design to reach around obstructions.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J241G	11-3/8	2-9/16	23/32	13/32	0.62

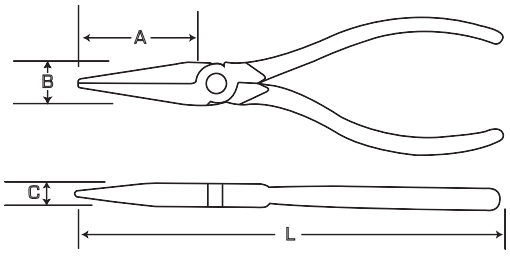
DUCKBILL PLIERS

- Wide, flat nose for better grip than standard needle-nose pliers.
- Diamond serrated jaws.
- Long handle for added leverage.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J227G	7-25/32	1-9/16	17/32	7/16	0.38

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

DIAGONAL CUTTING PLIERS

- Induction hardened cutting edges.
- Thin narrow jaws for access in tight areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285G	4-5/8	13/32	7/16	1/4	0.13
J204G	4-7/16	18/32	9/16	5/16	0.22
J205G	5-1/16	3/4	19/32	3/8	0.24
J206G	6-1/16	13/16	3/4	7/16	0.40
J207G	7-5/16	1	7/8	15/32	0.50

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DIAGONAL CUTTING PLIERS - COIL SPRING

- Coil springs.
- Induction hardened cutting edges.
- Thin narrow jaws for access in tight areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285BSG	4-5/8	13/32	7/16	1/4	0.13
J204SG	4-7/16	18/32	9/16	5/16	0.22

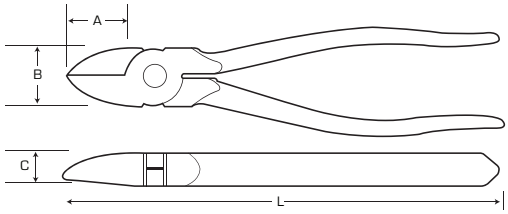
ASME B107.500

DIAGONAL CUTTING PLIERS - ANGLED HEAD

- Angled head for work in confined areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J210AHG	8-1/8	3/4	1-7/32	5/32	0.64

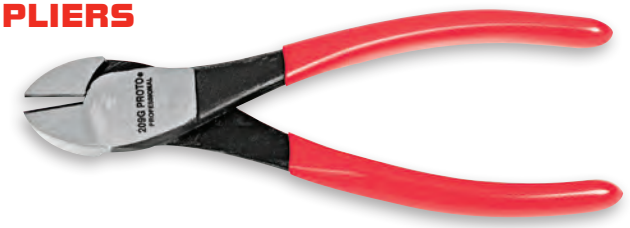


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HEAVY-DUTY DIAGONAL CUTTING PLIERS

- Induction hardened cutting edge.
- Powerful leverage cuts heavy wire with ease.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J209G	7-5/16	2-5/32	7/8	1/2	0.58
J210G	8-1/2	3/4	1-7/32	15/32	0.64

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DIAGONAL PLASTIC CUTTING PLIERS

- Adjusting set screw allows fast, precise cutting and prevents cutting edges from damaging each other.
- Coil spring for reduced hand fatigue.
- Induction hardened cutting edges.
- Plastisol grips for added comfort



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J212G	6-1/16	3/4	3/4	7/16	0.39
J213G	7-5/16	1	29/32	1/2	0.53

HIGH LEVERAGE DIAGONAL CUTTING PLIERS LONG REACH - ANGLED HEAD

- Extra-long handle provides high leverage cutting capabilities with less user effort.
- 30° angled head for hard-to-reach areas.
- Wide handle contour for less fatigue.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J244G	11-1/8	1	63/64	1-5/32	0.94

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

DIAGONAL CUTTING PLIERS LONG REACH - GRIPPING TIP

- Cutting and gripping capabilities in one tool.
- Serrated gripping surface at tips.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J246G	11-1/8	27/32	63/64	25/64	0.74

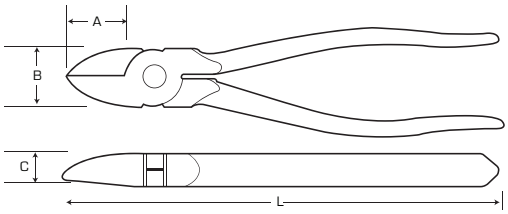
LINEMAN'S PLIERS

- For utility linemen, wiring and electrical equipment installation, and maintenance.
- Induction hardened cutting edges and diamond serrated jaws.
- Built-in insulation crusher
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J268G	8-5/8	1-1/2	1-3/16	5/8	0.98

ASME B107.500



LINEMAN'S PLIERS - NEW ENGLAND STYLE

- Slim rounded nose for easy access in restricted spaces.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J266G	6-3/16	1-3/32	29/32	1/2	0.50
J267G	7-1/4	1-9/32	1-1/8	1/2	0.67

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LINEMAN'S PLIERS - HIGH LEVERAGE

- Jaws have offset rivet for increased leverage.
- Designed for cutting No. 8 and other large wires.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J269G	9-1/4	1-3/16	1-3/32	5/8	1.10

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LINEMAN'S PLIERS - PIPE JAW

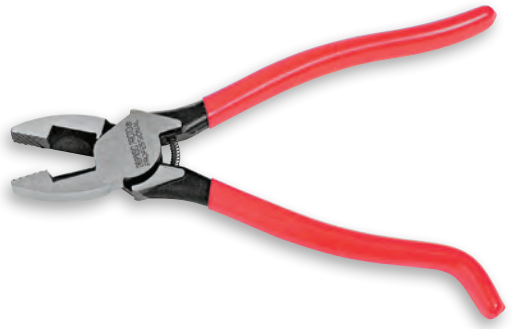
- Serrated flat nose jaws with toothed pipe grip.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J268PJG	8-3/8	1-3/4	1-1/16	17/32	0.87

IRON WORKER'S PLIERS

- Designed to tie and cut wire associated with reinforcing bar.
- Hook bend in handle to reduce slippage when gripping and pulling.
- Coil spring holds jaws open, yet close easily.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J269WSG	9-1/4	1-9/16	1-9/32	5/8	1.16

END-CUTTING PLIERS - HIGH LEVERAGE

- Semi-flush cutting in areas inaccessible to side-cutting pliers.
- High leverage for easy cutting of most wires and nails.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J272G	8-1/4	5/16	1-3/4	1-3/16	0.90

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ANATOMY OF PROTO® LOCKING PLIERS

Designed by engineers who look at each problem with fresh eyes, no matter how simple, each Proto® tool brings quality, durability and accuracy to the job site.



5 PIECE LOCKING PLIERS WELDING SET

Product #: JWK5XL

- Set designed for welding applications.
- Locking mechanism helps leave both hands free when clamping, helping to eliminate squeezing action and general hand fatigue when manipulating.
- High corrosion resistant finishwith welding spatter resistance.

Contents	Description
J281XL	Pliers, Locking Optimum Grip 9-27/32"
J301XL	Pliers, Locking Plug Weld Pliers 9-41/64"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J274XL	Pliers, Locking Aluminum Alloy C-Clamp 11-5/12"
JMICROXL	Pliers, Micro Grip Clamp 3-5/8"



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3 PIECE LOCKING PLIERS SET

Product #: J299RXL

- Locking mechanism helps leave both hands free when clamping, helping to eliminate squeezing action and general hand fatigue when manipulating.
- Tip of release lever projects at end of handle for a quick, no-pinch, powerful release especially when tools are firmly locked.
- Spring-loaded release lever is out of the way when handling.
- Drop forged jaws and rugged tooth profile for durability and toughness.
- Holes in mobile jaw are drilled and not press punched to ensure they are cylindrical to ensure maximum bearing with rivets. (Punched holes tend give poor bearing.)
- Large diameter of rivets to help permit secure joints adding to the durability and robustness of the tools.
- Piano wire spring for smooth and efficient jaw opening.



Contents	Description
J292XL	Pliers, Locking Curved Jaw 9-1/4"
J291XL	Pliers, Locking Straight Jaw 7-15/32"
J286LNXL	Pliers, Locking Mini Long Nose 6-29/32"
J25TR22C	Tool Roll

3 PIECE LOCKING PLIERS SET - NICKEL CHROME

Product #: J299NC

- Locking mechanism helps leave both hands free when clamping, helping to eliminate squeezing action and general hand fatigue when manipulating.
- Tip of release lever projects at end of handle for a quick, no-pinch, powerful release especially when tools are firmly locked.
- Spring-loaded release lever is out of the way when handling.
- Drop forged jaws and rugged tooth profile for durability and toughness.
- Holes in mobile jaw are drilled and not press punched to ensure they are cylindrical to ensure maximum bearing with rivets. (Punched holes tend give poor bearing.)
- Large diameter of rivets to help permit secure joints adding to the durability and robustness of the tools.
- Piano wire spring for smooth and efficient jaw opening.



Contents	Description
J292NC	Pliers, Nickel Chrome Locking Curved - 9-1/4"
J291NC	Pliers, Nickel Chrome Locking Straight - 7-15/32"
J286NC	Pliers, Nickel Chrome Needle-Nose - 6-7/8"
J25TR22C	Tool Roll

OPTIMUM GRIP LOCKING PLIERS

- Jaw configuration combining straight, curved and convex profiles.
- Versatile tool securely gripping round, flat and large objects.
- Multi-use for plumbers, welders and others.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J280XL	7-7/8	1-25/32	27/64	27/64	0.90
J281XL	9-27/32	2-5/32	1/2	1/2	1.43

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

CURVED JAW LOCKING PLIERS

- Narrow large opening curved shaped jaws.
- Allows firm hold on all round shapes.
- Universal tool for multi-use.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J290XL	7-15/32	11/32	0.82
J292XL	9-1/4	25/64	1.32

CURVED JAW LOCKING PLIERS WITH CUTTER

- Wide jaw profile with wire cutter.
- Two tools in one.
- Multi-functional use.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J292WRXL	9-4/11	1/2	1.32
J293WRXL	5-1/2	21/64	0.40
J294WRXL	7-15/32	11/32	0.82

STRAIGHT JAW LOCKING PLIERS

- Heavy-duty nose.
- Reinforced precisely machined teeth.
- Strong, tough tool.
- Helps provide secure grip for extra tough jobs.
- General purpose for various maintenance situations.
- Locking nut to hold adjustment during repetitive jobs.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J291XL	7-15/32	1/2	0.88
J293XL	9-1/4	5/8	1.39

GROOVED GRIP LOCKING PLIERS

- Tapered groove in mobile jaw.
- Convex jaw.
- Firm hold of cylindrical objects without lateral movement.
- Clears small obstacles.
- Ideal for holding and handling drill bits, taps, fasteners and tubes in general maintenance work.



Product #	Overall Length (in) (L)	Weight (lbs)
J282XL	9-7/16	1.32

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LONG NOSE LOCKING PLIERS

- Long slim jaw design.
- Curved section.
- Pliers can reach deep into recessed areas.
- Can hold rounded objects.
- Great for holding, placing and extracting pieces in awkward areas, engines, etc.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J289LNXL	9-1/32	25/64	0.88
J286LNXL	6-29/32	5/16	0.42

LOCKING CHAIN PLIERS

- Flexible heavy-duty, heat-treated chain which adjusts quickly around any shaped object even in awkward areas.
- Use to remove oil filters or holding odd shapes for welding.
- Replacement chain available - J262RC



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J262XL	9-27/32	45/64	1.98

LOCKING CHAIN PIPE CUTTER

- 13 Alloy steel cutting wheels to evenly cut difficult to reach thin wall pipes by hand ratcheting.
- Locking mechanism - no squeezing, avoids risk of lateral movement and misaligned cutting.
- Butterfly screw for easy feeding as cutting.
- Cuts through steel, copper, aluminum, and some stainless steels.
- Great for exhaust pipe repair and removal.
- Use in plumbing and heating.
- Replacement chain available - J263RC



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J263XL	9-27/32	1-3/32	1.76

LOCKING CHAIN PIPE CUTTER PLUS

- 15 Alloy steel cutting wheels to evenly cut difficult to reach piping up to 1/4 / 6 mm wall thickness by hand ratcheting.
- Locking mechanism - no squeezing, avoids risk of lateral movement and misaligned cutting.
- Cuts through galvanized steel, some stainless steels, copper, PVC, and aluminum.
- Problem solving and time saving, ideal for plumbing, heating, joinery, and general maintenance.
- Replacement chain available - J264RC



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J264XL	11-9/11	1-11/64	2.76

LOCKING SHEET METAL TOOL

- Wide jaw profile to allow powerful grip on large thin surfaces.
- Clamps, forms, bends, and crimps sheet metal.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J260XL	8-1/16	3-9/64	1.15

LOCKING PLUG WELD PLIERS

- Copper alloy knurled swivel pad to help prevent burn through when plug welding thin sheet metal. Plug welding is advised in most American Collision Repair Procedure Manuals.
- U-shaped mobile jaw to help provide even pressure around spot to be welded.
- Appropriate for general maintenance work.



Product #	Overall Length (in) (L)	Weight (lbs)
J301XL	9-16/25	1.12

LOCKING WELDING PLIERS

- Firmly holds two sections together. Hands free solution in general welding and body work.
- U-shaped jaw profile: Permits the clamping of adjacent joints and perfect visibility when welding.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J261XL	9-1/32	2-3/4	1.54

LOCKING STEEL CLAMPS

- Wide and deep jaw profile to help clear obstacles and firmly clamp sections which locking pliers can not.
- Clamp in close quarters for auto body work and welding shops.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J265XL	6-8/11	5/16	1-61/64	0.53
J266XL	11-1/5	15/32	3-15/16	1.96
J267XL	18-1/2	15/32	10-15/64	2.87
J268XL	24-27/64	15/32	15-47/64	3.31

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LOCKING C-CLAMPS WITH SWIVEL PADS

- Knurled swivel pads - allow non-slip no damage parallel clamping even on tapered surfaces.
- J269XL—Small in size for delicate and fine work—ideal for electronics.
- Safely clamps delicate surfaces - wood, plastic, and soft materials.

Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J269XL	6-1/2	3/4	0.60
J270XL	12-19/32	1-11/64	2.20
J271XL	14-3/8	5-1/2	2.70
J272XL	18-1/2	10-15/64	3.20
J273XL	24-8/9	1-11/64	4.00



LOCKING PIPE CLAMP

- Undulated U-shaped jaws to help allow secure clamping on rounded sections and perfect visibility for welding.
- Holds two pipes well aligned for accurate welding in plumbing and general pipe and tube manipulation.

Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J283XL	11-3/5	2-3/4	2.12



ERGO GRIP LOCKING PLIERS

- Long jaw with straight and curved profiles for multiple applications.
- Cushion grip helps reduce slippage with added comfort.
- 70° angled design - allows exertion of up to 50% more force in twisting applications.
- Helps keep wrist straight, reducing strain and general fatigue.
- Allows use in areas of limited space.

Product #	Overall Length (in) (L)	Weight (lbs)
J300XL	7-3/32	0.83



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

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LOCKING ALUMINUM ALLOY C-CLAMPS

- Modern ergonomic clamps with aircraft aluminum alloy jaws for professional welding and metal work.
- Light weight for comfort and ease of handling for the intensive user.
- Spatter resistant material to ensure good working order and helps avoid tiresome cleaning.
- Heat-treated die cast jaws to ensure resist and durability.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J274XL	11-5/12	15/32	1.48
J275XL	14-2/11	45/64	1.92

LOCKING ALUMINUM ALLOY U-CLAMP

- Lightweight to help lower risk of warping and distorting of auto body panels especially new aluminum alloy panels. Also for comfort and easy handling for the intensive user.
- Welding panels are designed to not adhere to aluminum to help ensure working order and tiresome cleaning of tools.
- Aluminum will not weld to work piece – no hassle, time saver.
- Jaws are made from heat-treated die cast aluminum alloy for resistance and durability.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J276XL	9-3/5	2-3/4	1.63

MICRO GRIP CLAMP

- Small locking clamp.
- Ideal for even heavy-duty jobs in difficult to reach areas.
- Applications: Auto body repair and metal fabrication.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
JMICROXL	3-5/8	3/4	1.12

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NICKEL CHROME LOCKING PLIERS

- High tensile strength microalloy steel.
- Long slim jaw design.
- Curved section.
- Pliers can reach deep into recessed areas.
- Can hold rounded objects.
- Great for holding, placing and extracting pieces in awkward areas, engines, etc.



Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J266NC	11-1/5	15/32	1.96
J286NC	6-7/8	5/16	0.42
J291NC	7-15/32	1/2	0.88
J292NC	9-1/4	25/64	1.32
J293NC	10	5/8	1.48

4 PIECE HANDS FREE KIT

- (2) J281XL 10" Optimum Grip.
- (2) JGHXL 6" Grip Holder.
- A true hands free work holding system.
- Secure the holder, insert the locking pliers and you have a portable vice.





Product #	Weight (lbs)
JHK4XL	4.63

LOCKING GRIP HOLDERS

- Designed with special slot.
- Swivel pad.
- Butterfly screw.
- Firmly holds 10" tools converting them into a versatile portable vise.
- Helps ensure firm hold on all work pieces.
- Easy to adjust.
- Use a standard c-clamp or combined with locking tools for a hands free work.



Product #	Overall Length (in) (L)	Weight (lbs)
JGHXL	5-5/32	0.55
JMGHXL	5-5/32	0.66

SAFETY WIRE TWISTER PLIERS - DEEP REACH

- Designed for access into close clearance areas.



Product #	Overall Length (in) (L)	Weight (lbs)
J193	18-1/8	0.43

SAFETY WIRE TWISTER PLIERS

- Safety wire is often used in aviation and other applications where vibration may cause fasteners to back out.
- Heat-treated cutting edges for cutting tough stainless steel safety wire.
- Flat top diamond serrations on jaws hold wire securely and resist nicking.
- Diagonal nose allows access in tight work areas.
- Automatic spring return feature speeds operation and reduces fatigue.
- J190 designed for wire sizes .020" - .041".
- J191, J192, J195 designed for wire sizes .020" - .060".
- J192 Ergonomically designed.
- J195 Left hand twist.



Product #	Overall Length (in) (L)	Weight (lbs)
J190	8-3/8	0.59
J191	10-3/8	0.85
J192	10-3/8	0.85
J195	10-3/8	0.85
		ASME B107.500

SAFETY WIRE TWISTER PLIERS - REVERSIBLE

- Reversible safety wire pliers provide right and left twist capability often eliminating the need for a second plier.
- Meets SAE Aerospace Standard AS 567 Twister Requirements.
- Provides all of the features of standard Proto® Safety Wire Pliers.
- J196 designed for wire sizes .020" - .041".
- J197 designed for wire sizes .020" - .060".
- J198 designed for wire sizes .020" - 0.60".



Product #	Overall Length (in) (L)	Weight (lbs)
J196	8-3/4	0.64
J197	11	0.88
J198	12-1/4	0.91

3 PIECE SAFETY WIRE TWISTER PLIERS SET

Product #: J194

- Contains three different twisters to cover almost any application.
- Includes 6" and 9" wire twister pliers and deep reach pliers.
- Packed in handy, durable plastic storage case.



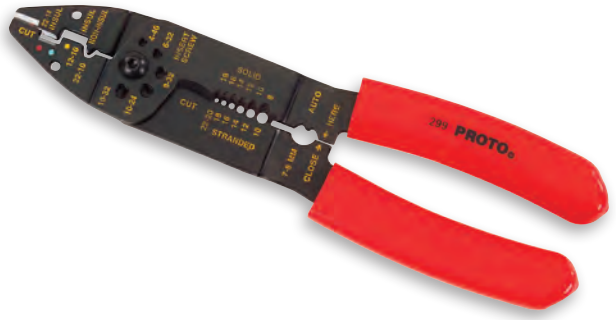
Contents	Description	Length (in)
J190	Pliers, Wire Twister 6"	8-3/8
J191	Pliers, Wire Twister 9"	10-3/8
J193	Pliers, Wire Twister Deep Reach 18-1/8"	18-1/8

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WIRE STRIPPER - CRIMPER

- Strips 10-22 AWG (American Wire Gauge).
- Box style crimp.
- Crimps insulated and non-insulated terminals for 10-22 AWG.
- Crimps non-insulated 7 mm and 8 mm auto ignition wire.
- Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24.
- Anvil type wire cutter for cutting copper wire.
- Air-pocket cushion grips for comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J299	8-1/2	0.45



WIRE STRIPPER - CUTTER

- Strips wire sizes 10, 12, 14, 16, 18, and 20 AWG (American Wire Gauge).
- Wire cutter for copper wire.
- Plier nose for pulling and looping wire.
- Spring return and convenient handle lock.
- Plastisol grips for added comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J297	6-1/16	0.21



WIRE STRIPPER

- Strips wire sizes 22, 24, 26, 28, and 30 AWG (American Wire Gauge).
- Wire cutter.
- Plier nose for pulling and looping wire.
- Automatic spring return.
- Plastisol grips for added comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J296	6-1/16	0.21



CABLE CUTTER

- Cuts up to 3/0 fine stranded copper battery cable (not for use on steel cable).
- Precision ground blades minimize deflection.
- Positive fastener maintains pressure on matching cutting surfaces.
- Plastisol grips for added comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J288	7-1/2	0.56



WIRE STRIPPERS - PLIERS

- Strips 10-22 AWG (American Wire Gauge).
- Crimps insulated and non-insulated terminals for 10-22 AWG wire.
- Crimps non-insulated 7mm and 8mm auto ignition wire.
- Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24 and copper wire.
- Extended length curved cutter to handle heavier wire with less force.
- Plier nose designed to grip, bend, and pull wire.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J298	8-1/4	0.05

LOCK RING "HORSESHOE" WASHER PLIERS

- For spreading both soft iron "horseshoe" lock washers used on brakes and tempered steel lock rings used on gear and bearing shafts.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J250G	7-13/16	0.49

LOCK RING PLIERS - PARALLEL JAW

- For removal of lock snap rings used on bearing shafts.
- Compound leverage simplifies removal.
- Jaw tips are indented to hold ring ends and prevent breakage.
- Jaws spread 1-1/4".
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J251G	10-9/16	0.68

12 PIECE CONVERTIBLE RETAINING RING PLIERS SET

Product #: J360B

- Convenient blow-molded carrying case includes storage for spare rings.
- Ring range: External (Shaft) 1/4"-3-11/32"; Internal (Bore) 3/8" - 3".
- Weight (lbs): 4.82



Contents	Tip Size	Tip Angle	Length (in)	Shaft Diameter (in) (External)	Bore Diameter (in) (Internal)	Weight (lbs)
J399	.038	0°	5-7/8	1/4 - 43/64	3/8 - 9/16	0.15
J370	.038	45°	5-3/4	1/4 - 3/64	3/8 - 9/16	0.16
J371	.038	90°	5-11/16	1/2 - 25/32	3/8 - 9/16	0.16
J372	.047	0°	5-7/8	11/16 - 7/8	5/8 - 1	0.16
J373	.047	45°	5-3/4	11/16 - 7/8	5/8 - 1	0.15
J374	.047	90°	5-11/16	13/16 - 1	5/8 - 1	0.16
J385	.070	0°	7-1/2	15/16 - 1-7/16	1-1/16 - 13/4	0.29
J375	.070	45°	7-3/8	1 - 1-7/16	1-1/16 - 13/4	0.32
J376	.070	90°	7-1/8	1 - 1/16, 2	1-7/16 - 2	0.31
J377	.090	0°	9-1/4	1-1/2 - 3-1/2	1-13/16 - 3	0.54
J378	.090	45°	9	1-1/2 - 3-1/2	1-13/16 - 3	0.55
J379	.090	90°	8-5/8	1-1/2 - 1-3/4	1-13/16 - 3	0.56

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6 PIECE CONVERTIBLE RETAINING RING PLIERS SET

Product #: J360A

- Convenient blow-molded carrying case includes storage for space rings.
- Ring range: External (Shaft) 1/4"- 3-11/32"; Internal (Bore) 3/8" - 3".
- Weight (lbs): 2.10



Contents	Tip Size	Tip Angle	Length (in)	Shaft Diameter (External)	Bore Diameter (Internal)	Weight (lbs)
J399	.038	0°	5-7/8	1/4 - 43/64	3/8 - 9/16	0.15
J371	.038	90°	5-11/16	1/2 - 25/32	3/8 - 9/16	0.16
J372	.047	0°	5-7/8	11/16 - 7/8	5/8 - 1	0.16
J374	.047	90°	5-11/16	13/16 - 1	5/8 - 1	0.16
J385	.070	0°	7-1/2	15/16 - 1-7/16	1-1/16 - 13/4	0.29
J376	.070	90°	7-1/8	1 - 1/16, 2	1-7/16 - 2	0.31

18 PIECE LARGE PLIERS SET WITH REPLACEABLE TIPS

Product #: J361

- Includes one internal and one external plier.
- Convenient blow-molded carrying case includes storage for spare rings.
- Custom grip handles for added comfort.
- Contains 16 interchangeable tips listed below. (Replacements available).
- Covers ring range:
  - External 1-1/2" - 3-3/4"
  - Internal 2-7/16" - 4"
- Spring-loaded ratchet mechanism minimizes operator fatigue by allowing ring to be compressed or expanded through gradual moves and locks at desired size. Heavy and large rings are safely and easily controlled.
- Pliers overall length 9-1/2".
- Weight (lbs): 2.50

Tip Size	Tip Angle
.108	0°
.108	15°
.108	45°
.108	90°
.120	0°
.120	15°
.120	45°
.120	90°



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

REPLACEMENT TIPS FOR J361

- 8 Tips
- 2 each of .108 Tips in 0°, 15°, 45°, 90°.

Product #	Weight (lbs)
J362	0.22

REPLACEMENT TIPS FOR J361

- 8 Tips
- 2 each of .120 Tips in 0°, 15°, 45°, 90°.

Product #	Weight (lbs)
J363	0.23

4 PIECE CONVERTIBLE RETAINING RING PLIERS SET

Product #: J360C

- Design permits quick change-over to work internal or external rings.
- Pliers have no screws to tighten.
- Pliers have a return spring designed to reduce fatigue and facilitate operation.
- Pliers have air cushioned grips which spreads loads across the hand increasing comfort.
- Ring range: External (Shaft) 1/4"- 2"; Internal (Bore) 3/8"- 2.
- Weight (lbs): 1.26



Contents	Tip Size	Tip Angle	Length (in)	Weight (lbs)
J399L	.038	18°	6	0.19
J371L	.038	90°	6	0.19
J385L	.070	18°	7-1/4	0.33
J376L	.070	90°	7-1/4	0.33

18 PIECE SMALL PLIERS SET WITH REPLACEABLE TIPS

Product #: J380

- Includes one internal and one external plier.
- Covers ring range: External 1/4"-2", Internal 3/8"-2".
- Contains 16 interchangeable tips (4 of each listed below) (Replacements available).
- Pliers overall length 6-1/4".
- Weight: 0.64 lbs



Tip Size	Tip Angle
.038	90°
.047	45°
.047	0°
.070	0°

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REPLACEMENT TIPS FOR J380

- 16 Tips.
- 4 each of: .038 90°, .047 45°, .047 0°, .070 0°.
- Plastic storage case.

Product #	Weight (lbs)
J380T	0.05

RETAINING RING PLIERS - CONVERTIBLE

- Converts from internal to external or vice versa, when pivot screw is moved to adjacent tapped hole.
- Use with either External or Internal Retaining Rings.
- Fixed tips are precision formed and induction hardened for accurate fit and long wear.
- Use the largest diameter tip that will fit the retaining ring being removed or installed.



Product #	Tip Size	Tip Angle	Length (in)	Bore Diameter (in) (Internal)	Weight (lbs)
J399	.038	0°	5-7/8	3/8 - 9/16	0.15
J370	.038	45°	5-3/4	3/8 - 9/16	0.16
J371	.038	90°	5-11/16	3/8 - 9/16	0.16
J372	.047	0°	5-7/8	5/8 - 1	0.16
J373	.047	45°	5-3/4	5/8 - 1	0.15
J374	.047	90°	5-11/16	5/8 - 1	0.16
J385	.070	0°	7-1/2	1-1/16 - 13/4	0.29
J375	.070	45°	7-3/8	1-1/16 - 13/4	0.32
J376	.070	90°	7-1/8	1-7/16 - 2	0.31
J377	.090	0°	9-1/4	1-13/16 - 3	0.54
J378	.090	45°	9	1-13/16 - 3	0.55
J379	.090	90°	8-5/8	1-13/16 - 3	0.56
J399L	.038	18°	6	3/8 - 9/16	0.19
J371L	.038	90°	6	3/8 - 9/16	0.19
J385L	.070	18°	7-1/4	1-1/16 - 1-3/4	0.33
J376L	.070	90°	7-1/4	1-7/16 - 2	0.33

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RETAINING RING PLIERS - EXTERNAL

- Used with External Retaining Rings.
- Fixed tips are precision formed and induction hardened for accurate fit and long wear.



Product #	Tip Size	Tip Angle	Length (in)	Weight (lbs)
J391	.038	0°	6-1/8	0.15
J397	.038	90°	6-1/8	0.15
J393	.070	0°	6-7/8	0.22
J395	.115	0°	9-1/8	0.49

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RETAINING RING PLIERS - INTERNAL

- Used with Internal Retaining Rings.
- Fixed tips are precision formed and induction hardened for accurate fit and long wear.



Product #	Tip Size	Tip Angle	Length (in)	Bore Diameter (in) (Internal)	Weight (lbs)
J388	.023	0°	5-1/4	–	0.06
J390	.025	0°	5-3/8	1/4 - 5/16'1/4 - 5/16'1/4 - 5/16'5/8	0.14
J389	.038	0°	5-3/8	3/8 - 9/16	0.13
J398	.038	45°	5-3/8	3/8 - 9/16'3/8 - 9/16'3/4 - 1	0.13
J392	.070	0°	6-1/2	1-1/16 - 13/4'1-1/16 - 1-3/4'1-1/16 - 1-3/4'1-7/16 - 2	0.19
J394	.090	0°	9	1-13/16 - 3'1-13/16 - 3'1-13/16 - 3'2-1/16 - 3	0.47

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LARGE RETAINING RING PLIERS - INTERNAL/EXTERNAL

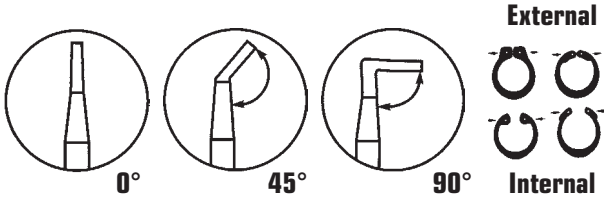
- Spring-loaded ratchet mechanism minimizes operator fatigue by allowing the ring to be compressed or expanded through gradual moves and then locks at the desired size without continued pressure on the handles. Heavy and large rings are safely and easily controlled.
- Replaceable tips in 0°, 45°, and 90° make it possible to remove and install rings in most applications. (Replacements available).



Product #	Tip Size	Tip Angle	Length (in)	Bore Diameter (in) (Internal)	Weight (lbs)	Shaft Diameteer (in) (External)
J364	.120	0°	16-1/2	3-1/16 - 6	1.95	–
J365	.120	0°	16-1/2	–	1.98	3-1/2 - 6-1/2

ASME B107.500

Tip Angles



REPLACEMENT TIPS FOR J364 AND J365

Product #	Overall Length (in) (L)	Weight (lbs)
J364-T0	0°	0.12
J364-T45	45°	0.12
J364-T90	90°	0.12

6 PIECE FACOM® 1000V VE PLIER/SCREWDRIVER SET

Product #: FW-184.J5VE

- Designed for working on live components up to 1000V AC and 1500V DC.

Contents	Description
FA-185.20VE	Pliers, Halfround 1000V VE 7-7/8"
FA-187.18VE	Pliers, Combo 1000V VE 7-1/4"
FA-192.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/4"
FW-ADY.1X100VE	Screwdriver, 1000V Pozidriv®
FW-AY.4X100VE	Screwdriver, 1000V 4 mm Slot 7-7/8"
FW-AY.5.5X125V	Screwdriver, 1000V 5.5 mm Slot 8-7/8"



FACOM® 3 PIECE VE PLIERS SET

Product #: FW-MOD.VE

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Handles designed to resist workshop chemicals (Skydrol®, chlorothene, acetone, petrol).

Contents	Description
FA-180.VE	Pliers, Multigrip 1000V VE 10"
FA-194.17VE	Pliers, Wire Stripper 1000V VE 6-1/2"
FA-391.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/2"



FACOM® INSULATED VE MUTIGRIP PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.

Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VE	10	10	1-3/16	7/8	0.78



FACOM® INSULATED VE HALF ROUND PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Side cutter for steel wire up to 14AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20VE	7-7/8	7-7/8	2-15/16	11/32	0.45
FA-193.16VE	6-1/2	6-7/8	1-13/16	11/32	0.41

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VE COMBINATION PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges for power and durability.
- Nose profile combines strength and maneuverability.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16VE	6-1/2	6-1/2	1-11/32	3/8	0.43
FA-187.18VE	7-1/4	7-9/32	1-13/32	13/32	0.53

FACOM® INSULATED VE FLAT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Serrated jaws for firm grip.
- Nose designed for confined spaces.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16VE	6-1/2	6-11/16	1-13/16	11/32	0.38
FA-188.20VE	7-7/8	8-1/16	2-15/16	11/32	0.42

FACOM® INSULATED VE ROUND NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- For shaping loops, bends or rings.
- Serrated jaws.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17VE	6-1/2	6-7/8	1-13/16	11/32	0.37

FACOM® INSULATED WIRE STRIPPER PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Jaws angled at 40°.
- Cuts single and multi-cone wire up to 14 AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17VE	6-1/2	7-11/16	1	5/8	0.38



FACOM® INSULATED VE BENT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Jaws angled at 40°.
- Cuts single and multi-cone wire up to 14 AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.16VE	6-3/8	6-7/8	1-5/8	11/32	0.39
FA-195.20VE	7-7/8	7-15/32	2-3/4	11/32	0.43

FACOM® INSULATED VE END CUTTER PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 12 AWG.
- Offset pivot to help reduce manual cutting efforts required with a center pivot point.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16VE	6-1/2	6-1/2	1/4	7/16	0.51

FACOM® INSULATED VE DIAGONAL PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 200kg/mm.
- Offset pivot for reduced cutting effort.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14VE	5-3/4	5-23/32	5/8	3/8	0.36
FA-192.16VE	6-1/4	6-7/8	23/32	13/32	0.46
FA-192.18VE	7-1/8	7-15/32	25/32	7/16	0.57

FACOM® INSULATED VE DIAGONAL CUTTERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Edges designed for clean cut in copper wire.
- High-frequency hardened cutting edges for durable cut accuracy.
- Snipe nose for maneuverability in control cabinets or cutting cable loom ties.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16VE	6-1/2	6-11/16	3/4	13/32	0.46

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VSE MULTIGRIP PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VSE	10	10-1/32	1-9/16	1-3/8	0.81

FACOM® INSULATED VSE HALF ROUND PLIERS

- 2 Color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Integrated wire-cutter.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20AVSE	7-7/8	8-9/32	2-23/32	1-3/8	0.53
FA-193.16AVSE	6-1/2	6-7/8	1-31/32	1-1/4	0.37

FACOM® INSULATED VSE COMBINATION PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Hardened throughout for overall strength.
- Cutting edges locally heat-treated to exceed 60 HRc hardness.
- Burnished nose.
- Serrated Jaw.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16AVSE	6-1/2	6-1/2	1-11/32	1-3/8	0.44
FA-187.18AVSE	7-1/4	7-3/32	1-3/8	1-3/8	0.54
FA-187.20AVSE	8	7-9/32	1-43/64	1-3/8	0.69

FACOM® INSULATED VSE FLAT NOSE PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Serrated jaws for firm grip.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16AVSE	6-1/2	6-11/16	1-31/32	1-15/32	0.37

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FACOM® INSULATED VSE ROUND NOSE PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Long nipe nose, serrated for shaping bends or terminals on all types of wire.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17AVSE	6-1/2	6-7/8	1-25/32	1-5/16	0.36

FACOM® INSULATED VSE WIRE STRIPPER

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Strips any wire in all common electrical systems, up to 10 AWG.
- Burnished nose.
- Knob for presetting the cutting depth.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17AVSE	6-1/2	6-7/8	7/8	5/16	0.45

FACOM® INSULATED VSE BENT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Intergral wire-cutter.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.20AVSE	7-7/8	7-15/32	2-17/32	1-1/4	0.43

FACOM® INSULATED VSE CABLE CUTTERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- High performance compact tool.
- Forged safety stops.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-412.10AVSE	7-1/2	7-7/8	3-1/3	1-3/8	0.91
FA-412.14AVSE	9	9	1-3/16	1-3/8	1.12
FA-412.150AVSE	17-3/4	18-1/2	2-23/64	1-3/4	4.71

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VSE RATCHETING CABLE CUTTERS

- One-hand operation.
- No cable core distortion.
- Forged and hardened steel blade.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
FA-414.45AVSE	1-3/4	12	5-5/16	2.19
FA-414.52AVSE	2	13-3/16	5-1/2	2.26

FACOM® INSULATED VSE END CUTTER PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Cutting edges heat-treated to exceed 60 HRc.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16AVSE	6-1/2	6-11/16	1/4	1-3/8	0.56

FACOM® INSULATED VSE DIAGONAL PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Cutting edges heat-treated to exceed 60 HRc.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14AVSE	5-3/4	6-3/32	5/8	1-3/16	0.48
FA-192.16AVSE	6-1/2	6-1/2	23/32	13/32	0.54
FA-192.18AVSE	7-1/4	7-9/32	25/32	7/16	0.60

FACOM® INSULATED VSE DIAGONAL CUTTERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Inset joint.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16AVSE	6-1/2	6-5/16	3/4	13/32	0.47

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C-CLAMPS - HEAVY SERVICE STANDARD SCREW

- Designed for heavy service applications where the strength of the extra heavy service C-clamp is not required.
- Clamps have a high-strength steel frame with a hardened forcing screw.
- Forcing screws are fitted with impact resistant pads.



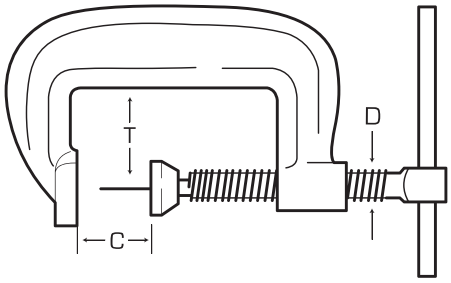
Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J102GS	0 - 2	1-3/8	1/2	7500	1.30
J103GS	0 - 3	1-3/4	5/8	8750	2.60
J104GS	0 - 4-1/8	2	3/4	10000	4.10
J106GS	2 - 6	2-1/4	3/4	11250	5.90
J108GS	4 - 8	2-1/4	3/4	12500	6.90
J110GS	6 - 10-1/4	2-3/8	3/4	13750	8.00
J112GS	8 - 12	2-5/8	7/8	15000	11.6
J115GS	10 - 15	2-5/8	7/8	16250	15.0
J118GS	12 - 18	2-7/8	7/8	17500	18.2

C-CLAMPS - STANDARD SERVICE DEEP THROAT FULL LENGTH SCREW

- Standard service, deep throat style is the most versatile and popular.
- Hot forged for strength and hard use.
- Forcing screw has heavy rolled Acme thread allowing the screw to turn easily under pressure and is less susceptible to damage.
- Forcing screw has a sliding T-handle and an impact resistant pad.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J402	0 - 2	2	1/2	3500	1.30
J403	0 - 3	2-3/8	1/2	3500	2.00
J404	0 - 4	2-3/4	3/4	6500	3.50
J406	0 - 6	3-5/8	3/4	6600	5.00
J408	0 - 8	4-1/2	3/4	6900	7.00
J410	0 - 10	5-3/8	3/4	8000	10.5
J412	0 - 12	5-3/4	7/8	9500	15.5



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

C-CLAMPS - STANDARD SERVICE DEEP THROAT SPATTER RESISTANT FULL LENGTH SCREW

- Forcing screw and pad are plated with copper to resist welding spatter.
- Hot forged for strength and hard use.
- Forcing screw has heavy rolled Acme thread allowing the screw to turn easily under pressure and is less susceptible to damage.
- Forcing screw has a sliding T-handle and an impact resistant pad.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J402S	0-2	2	1/2	3300	1.30
J403S	0-3	2-3/8	1/2	3500	2.00
J404S	0-4	2-3/4	3/4	4100	3.50
J406S	0-6	3-5/8	3/4	5400	5.00
J408S	0-8	4-1/2	3/4	5900	7.00
J410S	0-10	5-3/8	3/4	6200	10.5
J412S	0-12	5-3/4	7/8	9300	15.5

C-CLAMPS - STANDARD SERVICE EXTRA DEEP THROAT FULL LENGTH SCREW

- Up to 32% more throat depth than standard deep throat clamps.
- Hot forged for strength and hard use.
- Forcing screw has heavy rolled Acme thread.
- Full length forcing screw.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J424	0 - 4	3-5/8	3/4	4100	4.80
J426	0 - 6	4-3/4	3/4	5400	7.00
J428	0 - 8	5-5/8	3/4	5900	9.80

C-CLAMPS - STANDARD SERVICE EXTRA DEEP THROAT SPATTER RESISTANT FULL LENGTH SCREW

- Forcing screw and pad are plated with copper to resist welding spatter.
- Up to 32% more throat depth than standard deep throat clamps.
- Hot forged for strength and hard use.
- Forcing screw has heavy rolled Acme thread.
- Full length forcing screw.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J424S	0 - 4	3-5/8	3/4	4100	4.80
J426S	0 - 6	4-3/4	3/4	5400	7.00
J428S	0 - 8	5-5/8	3/4	5900	9.80

C-CLAMPS - EXTRA HEAVY SERVICE STANDARD SCREW

- Strongest C-clamp design.
- Heavy-duty threaded hub provides maximum screw support.
- Forcing screws have a square head to be turned with a wrench.
- Forcing screws have a hardened tip.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in) (D)	Minimum Test Load (lbs)	Weight (lbs)
J0-HD	0 - 13/16	11/16	3/8	2800	0.30
J1-HD	0 - 7/16	1-3/32	7/16	5600	1.00
J11/2-HD	0 - 1-3/4	1-7/16	5/8	8750	1.90

C-CLAMPS - EXTRA HEAVY SERVICE FULL LENGTH SCREW

- Full length forcing screws provide greater versatility with the minimum capacity always being 0.
- Strongest C-clamp design.
- Heavy-duty threaded hub provides maximum screw support.
- Forcing screws have a square head to be turned with a wrench.
- Forcing screws have a hardened tip.



Product #	Opening Range (in) (C)	Throat Depth (in) (T)	Thread Diameter (in)	Minimum Test Load (lbs)	Weight (lbs)
J2-HDL	0 - 2-3/8	1-7/8	3/4	12500	4.50
J3-HDL	0 - 3-5/16	2-5/16	7/8	16250	7.10
J4-HDL	0 - 4-5/8	2-3/4	1	20000	11.0
J5-HDL	0 - 5-3/8	3-1/16	1	23800	14.9
J6-HDL	0 - 6-5/8	3-3/8	1-1/8	27500	19.3
J8-HDL	0 - 8-1/4	3-5/8	1-1/4	31250	27.5
J10-HDL	0 - 10-3/8	3-15/16	1-1/4	35000	40.1
J12-HDL	0 - 12-1/2	4-1/4	1-1/4	40000	47.8

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

C-CLAMP FORCING SCREWS

Product #	Thread Diameter (in)	Weight (lbs)
J1P1-HD	11/25	0.10
J2P2-HD	3/4	0.53
J3P2-HD	7/8	0.99
J4P2-HD	1	1.69
J5P2-HD	1	1.94
J6P2-HD	1-1/8	2.67
J10P2-HD	1-1/4	4.58
J11/2P1-HD	5/8	0.30
J12P2-HD	1-1/4	5.12



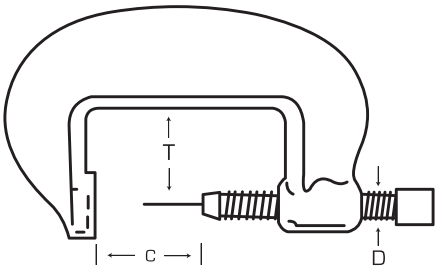
FORGED EYE BOLTS

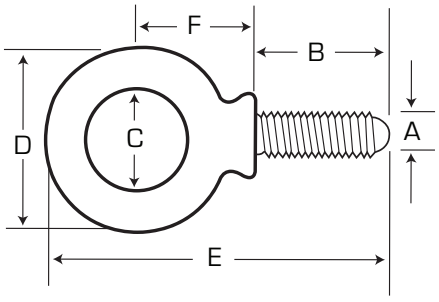
- Maximum load ratings for eye bolts are drastically reduced when loading at an angle.
- Angular loads should be avoided whenever possible.
- For angular loads of 15° or more, consult B18.15.
- Certified mercury free.



Product #	Thread Size (in) (A)	Shank Length (in) (B)	Eye ID (in) (C)	OD (in) (D)	Overall Length (in) (E)	Center Eye to Shoulder (in) (F)	Rated Capacity (lbs)	Weight (lbs)
J94020	1/4 - 20	1.00	.69 - .81	1.19	2.22 - 2.53	.69 - .81	500	0.05
J94021	5/16 - 18	1.12	.81 - .94	1.44	2.66 - 2.97	.88 - 1.00	900	0.10
J94022	3/8 - 16	1.25	.94 - 1.06	1.69	3.09 - 3.47	1.06 - 1.09	1,300	0.16
J94023	7/16 - 14	1.38	1.00 - 1.12	1.81	3.41 - 3.78	1.19 - 1.31	1,800	0.24
J94024	1/2 - 13	1.50	1.12 - 1.25	2.12	3.81 - 4.19	1.31 - 1.44	2,400	0.35
J94025	9/16 - 12	1.75	1.31 - 1.44	2.56	4.56 - 4.94	1.59 - 1.72	3,200	0.47
J94026	5/8 - 11	1.75	1.31 - 1.44	2.56	4.56 - 4.94	1.59 - 1.72	4,000	1.00
J94027	3/4 - 10	2.00	1.44 - 1.56	2.81	5.0 - 5.50	1.72 - 1.91	5000	1.00
J94028	7/8 - 9	2.25	1.56 - 1.69	3.19	5.75 - 6.19	2.03 - 2.22	7,000	1.63
J94029	1 - 8	2.50	1.69 - 1.81	3.56	6.44 - 6.88	2.22 - 2.41	9,000	2.22
J94030	1-1/8 - 7	2.75	1.94 - 2.06	4.06	7.31 - 7.75	2.59 - 2.78	12,000	3.40
J94031	1-1/4 - 7	3.00	2.12 - 2.25	4.44	8.00 - 8.44	3.03 - 2.84	15,000	4.44
J94032	1-1/2 - 6	3.50	2.44 - 2.56	5.19	9.22 - 9.72	3.19 - 3.44	21,000	7.36
J94033	1-3/4 - 5	3.75	2.75 - 3.00	6.00	10.50 - 11.12	3.88 - 4.12	28,000	11.35
J94034	2 - 4-1/2	4.00	3.06 - 3.44	6.88	11.53 - 12.22	4.25 - 4.50	38,000	16.70

B18.15







AVIATION SNIPS

- Available in straight, left, or right models.
- Compound leverage multiplies handle pressure and increases control for intricate cutting.
- Serrated blades for maximum grip of the material being cut.
- Color coded vinyl grips.



Product #	Cuts	Handle Color	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J303L	Left	Red	1-3/8	10	0.94
J303R	Right	Green	1-3/8	10	0.94
J303S	Straight	Yellow	1-3/8	10	0.94

ASME B107.500

CIRCULAR CUTTING DUCKBILL SNIPS

- Duckbill snips are designed for circle and odd shaped radius cutting.
- Plastisol grips for added comfort.



Product #	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J307	1-1/2	7	0.45
J310	2	10	0.95
J312	2-3/4	12-3/4	1.61

HEAVY-DUTY SNIPS

- Designed for making straight and moderately irregular cuts.
- Plastisol grips for added comfort.
- J334 cuts up to 18 gauge CR steel and 22 gauge SS.



Product #	Description	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J334	Combination Snips	3-7/8	14	3.02
J336	Bulldog Tinner Snips	2-1/2	16	3.63

ASME B107.500

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

AVIATION SNIPS - OFFSET

- Available in left or right models.
- Compound leverage multiplies handle pressure and increases control.
- Offset handle keeps hands above working area for cutting ease and comfort.
- Serrated blades for maximum grip of the material being cut.



Product #	Cuts	Handle Color	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J303LS	Left	Red	1-1/4	10	1.00
J303RS	Right	Green	1-1/4	10	1.00

ASME B107.500

STRAIGHT CUTTING SNIPS

- Designed for all straight cutting including inside and outside corners.
- Plastisol grips for added comfort.



Product #	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J317	1-1/2	7	0.48
J320	2	10	0.93
J322	2-3/4	12-3/4	1.64

MINIATURE SNIPS

- Improved shearing action.
- Increased length of cut from 1-1/8" to 2".
- Increased jaw opening.
- Serrated bottom blade to grip material.
- Ergonomic handle design.
- Cuts up to 26 gauge cold-roll sheet metal.
- Copper wire up to 18 AWG.
- Soft steel wire up to 22 AWG.



Product #	Blade Length (in)	Overall Length (in) (L)	Weight (lbs)
J308	1-1/8	6-1/2	0.325

MULTI-PURPOSE TOOL - NEEDLE-NOSE

- 15 functions including pliers with wire cutter, cross cut saw, taper grind blade, sheepfoot blade, can and bottle opener, ruler, and screwdriver bits provide versatility.
- Locking handle securely positions and safely locks each blade or implement for safety.
- Stainless steel construction for heavy-duty use and long life.
- Nylon belt pouch for convenient storage.
- Wide handle design for added comfort.



Product #	Overall Length (in)	Weight (lbs)
J18576	6	0.65

MULTI-PURPOSE TOOL - BLUNT NOSE

- 15 functions including pliers with wire cutter, cross cut saw, taper grind blade, sheepfoot blade, can and bottle opener, ruler, and screwdriver bits provide versatility.
- Locking handle securely positions and safely locks each blade or implement for safety.
- Stainless steel construction for heavy-duty use and long life.
- Nylon belt pouch for convenient storage.
- Wide handle design for added comfort.



Product #	Overall Length (in)	Weight (lbs)
J18575	5-5/8	0.56

LOCKBACK KNIVES

- 420 grade high carbon stainless steel blade.
- Hardwood handle with heavy-duty lock springs.
- Solid one piece brass bolster and liner provide additional strength.
- Blade locks in open position to guard against accidental closing.
- J18545 includes a leather sheath.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18543	2-1/4	3	5-1/4	0.16
J18545	3-3/4	4-7/8	8-3/4	0.57
J18545B	3-3/4	4-7/8	8-3/4	0.57

COMMEMORATIVE LOCKBACK KNIFE

- Commemorative sculpted brass handle.
- Unique artwork features the Proto® logo on one side, a selection of Proto® tools on the reverse side.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18510	2	3	5-1/4	0.16

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® VSE SERIES INSULATED KNIFE

- For working on live components up to 1000V AC and 1500V DC.
- Thick, angled blade with flat tip.
- Cushion handle.
- Blade sheath.
- Effective blade length 2".



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-1820.AVSE	2-3/8	7-1/2	0.19

ELECTRICIAN'S KNIFE WITH STRIPPING BLADE

- Spear blade.
- Stripping blade.
- Self-locking combination screwdriver, insulation cutter and wire scraper blade.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18535	3	3-3/4	7	0.32

ELECTRICIAN'S KNIFE

- Spear blade.
- Self-locking combination screwdriver, insulation cutter and wire scraper blade.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18500	3	3-3/4	7	0.24

PRUNING KNIFE

- Curved blade for precision cutting and stripping.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18505	4	4-3/4	9	0.26

FACOM® VSE SERIES INSULATED HACKSAW

- Two blade positions.
- Butterfly tension nut.
- Supplied with bi-metal blade.
- 12" blade replacement.



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-602.AVSE	12	18-1/2	1.30

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BRUTE FORCE, SHAKE HANDS WITH INTELLIGENT DESIGN.

Some tools take a pounding. Literally. Proto® combats that by pairing durability with innovative design.

Our punches and chisels are hardened, quenched, tempered, and finished in black oxide. Meanwhile, their cutting edges are ground to ensure the best and easiest cut through the toughest metals.

Our ball pein hammers feature hardened, drop-forged heads with rim-tempered faces to resist chipping. Meanwhile, their handles prevent slipping and absorb the shock your forearm would otherwise.

And naturally, our lines offer a variety of striking and struck tools to suit any task. So you can pound, chisel, cut and pry to your heart's content.

STRIKING AND STRUCK TOOLS



Dead Blow Compo-Cast® Combo Face Hammers

PROTO

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DEAD BLOW COMPO-CAST® COMBO FACE HAMMERS

- Top welded handle-to-head assembly adds extra durability and safety.
- Hot urethane Uni-Cast construction outlasts all other soft face striking tools. Urethane composition provides shape-retaining faces even after repeated striking on hard surfaces and sharp edges.
- Handle is reinforced with solid steel shaft for greater strength safety.
- Top of head molded with a flat surface.
- Dual head design (Standard Dead Blow and Slim-line heads).
- Comfortable dual molded grip.

CHISELS
(30) different types and sizes of chisels

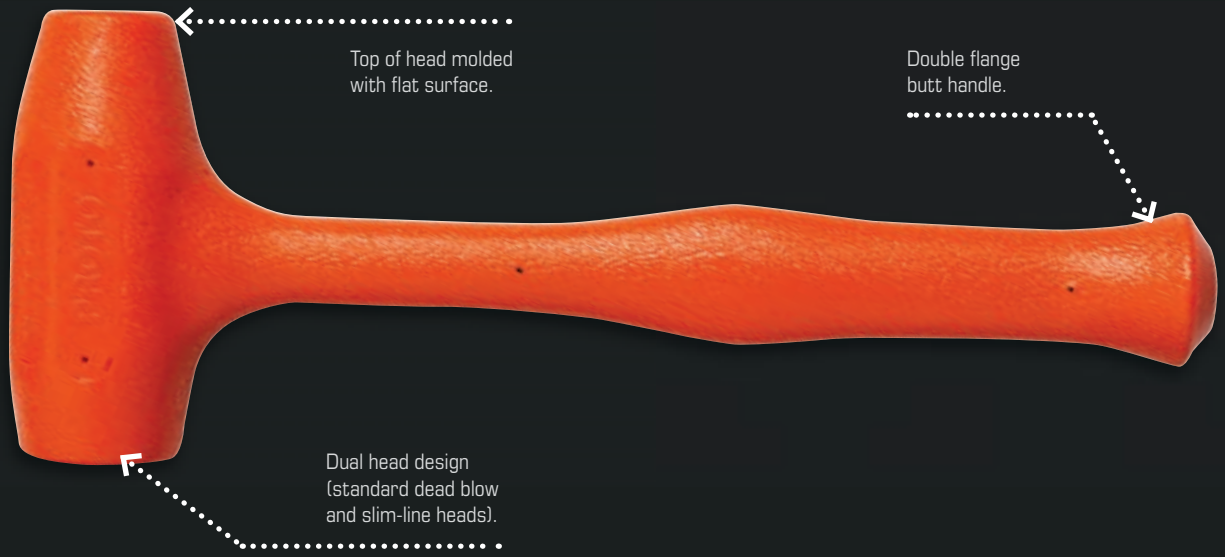


PUNCHES
(60) different sizes and types of pins and punches

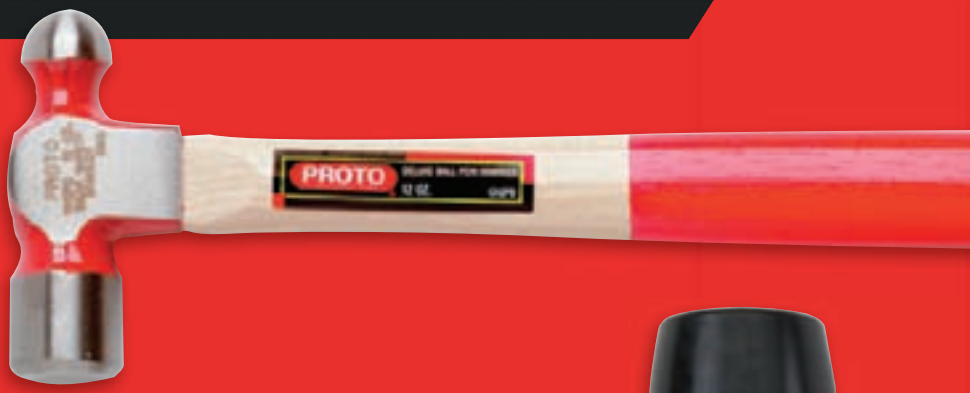


BARS
(10) different sizes and types of bars





HAMMER GUIDE



BALL PEIN HAMMERS



RUBBER MALLETS



TWO-WAY HAMMERS



BRASS HAMMERS



CROSS PEIN HAMMERS



SOFT FACE HAMMERS



SLEDGE HAMMERS - DOUBLE FACED

12 PIECE PUNCH AND CHISEL SET

Product #: J2S2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 1.80

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J725/16S2	7/32" Cape Chisel	5/16	5/16	5-1/8	ASME B107.410
J765/16S2	3/16" Diamond Point Chisel	3/16	5/16	5	ASME B107.410
J86A1/4S2	5/16" Cold Chisel	5/16	1/4	5-1/8	ASME B107.410
J86A3/8S2	7/16" Cold Chisel	7/16	3/8	5-9/16	ASME B107.410
J86A7/16S2	1/2" Cold Chisel	1/2	7/16	6	ASME B107.410
J413/8S2	3/8" Center Punch	–	3/8	4-7/8	ASME B107.410
J471/4X3/32	3/32" Pin Punch	3/32	1/4	4-3/4	ASME B107.410
J473/8X3/16	3/16" Pin Punch	3/16	3/8	5-7/8	ASME B107.410
J475/16X1/8	1/8" Pin Punch	1/8	5/16	5-3/16	ASME B107.410
J503/16S2	1/16" Starting Punch	1/16	1/4	4-1/8	ASME B107.410
J503/8S2	3/16" Starting Punch	3/16	3/8	5-5/8	ASME B107.410
J505/16S2	1/8" Starting Punch	1/8	5/16	5-1/8	ASME B107.410
J25TR02C	Pouch				

5 PIECE PUNCH AND CHISEL SET

Product #: J3S2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 1.04

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J86A1/2S2	5/8" Cold Chisel	5/8	1/2	6-3/4	ASME B107.410
J413/8S2	3/8" Center Punch	1/2	3/8	4-7/8	ASME B107.410
J473/8X3/16	3/16" Pin Punch	3/16	3/8	5-7/8	ASME B107.410
J475/16X1/8	1/8" Pin Punch	1/8	5/16	5-3/16	ASME B107.410
J505/16S2	1/8" Starting Punch	1/8	5/16	5-1/8	ASME B107.410
J25TR15C	Pouch				

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

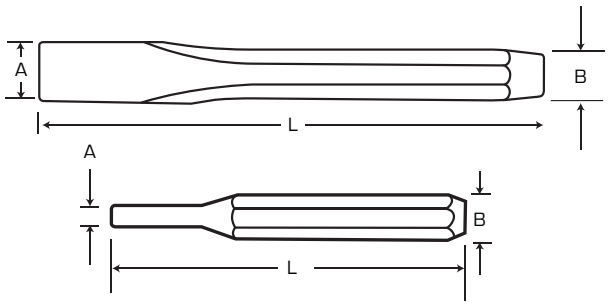
26 PIECE PUNCH AND CHISEL SET

Product #: J46S2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 8.91

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J86A1/2S2	5/8" Cold Chisel	5/8	1/2	6-3/4	ASME B107.410
J86A1/4S2	5/16" Cold Chisel	5/16	1/4	5-1/8	ASME B107.410
J86A1X8S2	1-3/16" Cold Chisel	1-3/16	1	8-1/4	ASME B107.410
J86A3/16S2	1/4" Cold Chisel	1/4	3/16	4-7/8	ASME B107.410
J86A3/4X8S2	7/8" Cold Chisel	7/8	3/4	8	ASME B107.410
J86A5/16S2	3/8" Cold Chisel	3/8	5/16	5-3/8	ASME B107.410
J86A5/8S2	3/4" Cold Chisel	3/4	5/8	6-7/8	ASME B107.410
J86A7/16S2	1/2" Cold Chisel	1/2	7/16	6	ASME B107.410
J86A7/8X8S2	1" Cold Chisel	1	7/8	8-1/2	ASME B107.410
J411/2S2	1/2" Center Punch	–	1/2	5-5/8	ASME B107.410
J413/8S2	3/8" Center Punch	–	3/8	4-7/8	ASME B107.410
J445/16S2	5/16" Prick Punch	–	5/16	5	ASME B107.410
J471/2X1/4	1/4" Pin Punch	1/4	3/8	6-3/4	ASME B107.410
J471/4X3/32	3/32" Pin Punch	3/32	1/4	4-3/4	ASME B107.410
J473/8X3/16	3/16" Pin Punch	3/16	3/8	5-7/8	ASME B107.410
J475/16X1/8	1/8" Pin Punch	1/8	5/16	5-3/16	ASME B107.410
J475/16X5/32	5/32" Pin Punch	5/32	5/16	5-9/16	ASME B107.410
J477/16X7/32	7/32" Pin Punch	7/32	3/8	6-3/8	ASME B107.410
J501/2S2	1/4" Starting Punch	1/4	1/2	6-1/2	ASME B107.410
J501/4S2	3/32" Starting Punch	3/32	1/4	5	ASME B107.410
J503/8S2	3/16" Starting Punch	3/16	3/8	5-5/8	ASME B107.410
J505/16S2	1/8" Starting Punch	1/8	5/16	5-1/8	ASME B107.410
J507/16S2	7/32" Starting Punch	7/32	7/16	6	ASME B107.410
J961/2S2	1/4" Drift Punch	1/4	1/2	10	ASME B107.410
J963/8S2	3/16" Drift Punch	3/16	3/8	10	ASME B107.410
J965/16S2	1/8" Drift Punch	1/8	5/16	10	ASME B107.410
J25TR21C	Pouch				



7 PIECE COLD CHISEL SET

Product #: J86BS2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 2.75

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J86A1/2S2	5/8" Cold Chisel	5/8	1/2	6-3/4	ASME B107.410
J86A1/4S2	5/16" Cold Chisel	5/16	1/4	5-1/8	ASME B107.410
J86A3/4X8S2	7/8" Cold Chisel	7/8	3/4	8	ASME B107.410
J86A3/8S2	7/16" Cold Chisel	7/16	3/8	5-9/16	ASME B107.410
J86A5/16S2	3/8" Cold Chisel	3/8	5/16	5-3/8	ASME B107.410
J86A5/8S2	3/4" Cold Chisel	3/4	5/8	6-7/8	ASME B107.410
J86A7/16S2	1/2" Cold Chisel	1/2	7/16	6	ASME B107.410
J25TR23C	Pouch				

5 PIECE COLD CHISEL SET

Product #: J86CS2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 1.17

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J86A1/2S2	5/8" Cold Chisel	5/8	1/2	6-3/4	ASME B107.410
J86A1/4S2	5/16" Cold Chisel	5/16	1/4	5-1/8	ASME B107.410
J86A3/8S2	7/16" Cold Chisel	7/16	3/8	5-9/16	ASME B107.410
J86A5/16S2	3/8" Cold Chisel	3/8	5/16	5-3/8	ASME B107.410
J86A7/16S2	1/2" Cold Chisel	1/2	7/16	6	ASME B107.410
J25TR15C	Pouch				

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

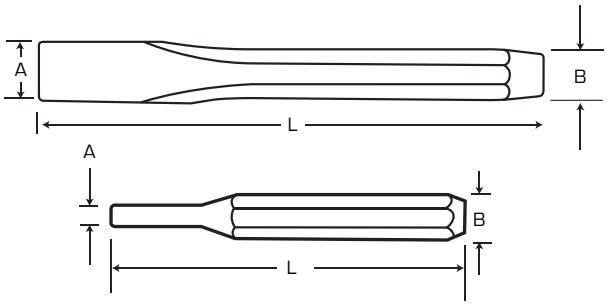
5 PIECE SUPER-DUTY CHISELS SET

Product #: J86000



- Made from S2 steel and specially heat-treated for greater strength and durability.
- 20% larger striking surface than standard chisels directs the power to the cutting edge.
- Longer shank features a knurl for better grip and easy positioning.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 2.84

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J86038	3/8" Super-Duty Cold Chisel	3/8	5/16	6	ASME B107.410
J86012	1/2" Super-Duty Cold Chisel	1/2	7/16	6-13/16	ASME B107.410
J86058	5/8" Super-Duty Cold Chisel	5/8	1/2	7-5/8	ASME B107.410
J86034	3/4" Super-Duty Cold Chisel	3/4	5/8	8-7/16	ASME B107.410
J86078	7/8" Super-Duty Cold Chisel	7/8	3/4	9-1/4	ASME B107.410
J25TR06C	Pouch			12	



5 PIECE LONG DRIVE PIN PUNCH SET

Product #: J48005LS2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 0.90

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J48014LS2	1/4" Super-Duty Long Punch Pin	1/4	1/2	8	ASME B107.410
J48316LS2	3/16" Super-Duty Long Punch Pin	3/16	3/8	8	ASME B107.410
J48516LS2	5/16" Super-Duty Long Punch Pin	5/16	1/2	8	ASME B107.410
J48532LS2	5/32" Super-Duty Long Punch Pin	5/32	3/8	8	ASME B107.410
J48732LS2	7/32" Super-Duty Long Punch Pin	7/32	7/16	8	ASME B107.410
J25TR30C	Pouch				

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

7 PIECE SUPER-DUTY PIN PUNCH SET

Product #: J48007



- Made from S2 steel and specially heat-treated for greater strength and durability.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 0.90

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J48116	1/16" Super-Duty Punch Pin	1/16	1/4	4-1/8	ASME B107.410
J48332	5/32" Super-Duty Punch Pin	3/32	1/4	4-1/2	ASME B107.410
J48018	1/8" Super-Duty Punch Pin	1/8	5/16	4-3/4	ASME B107.410
J48532	5/32" Super-Duty Punch Pin	5/32	5/16	5	ASME B107.410
J48316	3/16" Super-Duty Punch Pin	3/16	3/8	5-1/4	ASME B107.410
J48732	7/32" Super-Duty Punch Pin	7/32	7/16	5-1/2	ASME B107.410
J48014	1/4" Super-Duty Punch Pin	1/4	7/16	5-3/4	ASME B107.410
J25TR31C	Pouch				

7 PIECE DRIFT PUNCH SET

Product #: J96AS2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 3.46

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J961/2S2	1/4" Drift Punch	1/4	1/2	10	ASME B107.410
J961/4S2	3/32" Drift Punch	3/32	1/4	10	ASME B107.410
J963/4S2	3/8" Drift Punch	3/8	3/4	10	ASME B107.410
J963/8S2	3/16" Drift Punch	3/16	3/8	10	ASME B107.410
J965/16S2	1/8" Drift Punch	1/8	5/16	10	ASME B107.410
J965/8S2	5/16" Drift Punch	5/16	5/8	10	ASME B107.410
J967/16S2	7/32" Drift Punch	7/32	7/16	10	ASME B107.410
J25TR29C	Pouch				

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

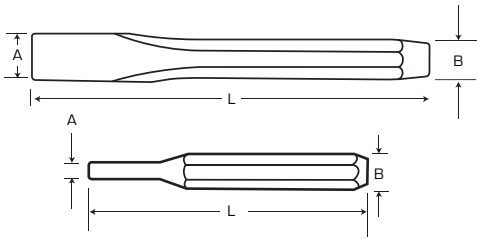
7 PIECE ROLL PIN PUNCH SET

Product #: J49007S2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 0.77

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)
J49014S2	1/4" Roll Punch Pin	1/4	7/16	6-7/16
J49018S2	1/8" Roll Punch Pin	1/8	5/16	4-3/4
J49116S2	1/16" Roll Pin Punch	1/16	1/4	3-3/4
J49316S2	3/16" Roll Pin Punch	3/16	3/8	5-7/16
J49332S2	3/32" Roll Pin Punch	3/32	1/4	4-1/4
J49532S2	5/32" Roll Pin Punch	5/32	5/16	5-1/4
J49732S2	7/32" Roll Pin Punch	7/32	3/8	5-7/8
J25TR31C	Pouch			



5 PIECE DRIFT PUNCH SET

Product #: J96BS2



- Made from S2 steel and specially heat-treated for greater strength and durability.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 2.30

Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J961/2S2	1/4" Drift Punch	1/4	1/2	10	ASME B107.410
J963/8S2	3/16" Drift Punch	3/16	3/8	10	ASME B107.410
J965/16S2	1/8" Drift Punch	1/8	5/16	10	ASME B107.410
J965/8S2	5/16" Drift Punch	5/16	5/8	10	ASME B107.410
J967/16S2	7/32" Drift Punch	7/32	7/16	10	ASME B107.410
J25TR30C	Pouch				

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

7 PIECE PIN PUNCH SET

Product #: J47A

- Made from S2 steel and specially heat-treated for greater strength and durability.
- Two-piece design allows the tip to be hard for durability while allowing it to be produced straight to help prevent binding.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.
- Set offers a wide range of sizes to handle a variety jobs.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 1.15



Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	ASME Spec.
J471/4X1/16	1/16" Punch Pin	1/16	1/4	4-3/8	ASME B107.410
J471/4X3/32	3/32" Pin Punch	3/32	1/4	4-3/4	ASME B107.410
J475/16X1/8	1/8" Pin Punch	1/8	5/16	5-3/16	ASME B107.410
J475/16X5/32	5/32" Pin Punch	5/32	5/16	5-9/16	ASME B107.410
J473/8X3/16	3/16" Pin Punch	3/16	3/8	5-7/8	ASME B107.410
J477/16X7/32	7/32" Pin Punch	7/32	3/8	6-3/8	ASME B107.410
J471/2X1/4	1/4" Pin Punch	1/4	3/8	6-3/4	ASME B107.410
J25TR31C	Pouch				

4 PIECE PRY AND ROLLING HEAD BARS SET

Product #: J2100

- Set includes rolling head and aligning bars.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- Weight (lbs): 8.50



Contents	Description	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)
J2120	18" Aligning Pry Bar	5/8	5/8	18
J2124	24" Aligning Pry Bar	3/4	3/4	24
J2126	12" Rolling Head Pry Bar	1/2	1/2	12
J2130	16" Rolling Head Pry Bar	5/8	5/8	16

11 PIECE FACOM® SHOCK ABSORBING PUNCH SET

Product #: FA-MOD.CG

Description	Tip Width (in) (A)
Drift Punch	2 mm
Drift Punch	3 mm
Drift Punch	4 mm
Drift Punch	5 mm
Drift Punch	6 mm
Drift Punch	8 mm
Nail Punch	4 mm
Nail Punch	5 mm
Nail Punch	6 mm
Nail Punch	8 mm
Center Punch	6 mm



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3 PIECE BRASS DRIFT PUNCH SET

Product #: J9633B



- Spark-resistant, mar-resistant.
- Designed to help prevent damage to the object being struck.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 1.65

PROP 65 WARNING: Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after use.

Contents	Description	Tip Width (in) (A)	Overall Length (in) (L)	ASME Spec.
J9634B	3/4" x 8" Brass Drift Punch	3/4	8	ASME B107.410
J9612B	1/2" x 7" Brass Drift Punch	1/2	7	ASME B107.410
J9638B	3/8" x 6" Brass Drift Punch	3/8	6	ASME B107.410
J25TR53C	Pouch			

3 PIECE BRASS HEAVY-DUTY PUNCH SET

Product #: J9633HB



- Spark-resistant, mar-resistant.
- Designed to help prevent damage to the object being struck.
- Includes a pouch for convenient storage solution.
- Weight (lbs): 4.10

PROP 65 WARNING: Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after use.

Contents	Description	Tip Width (in) (A)	Overall Length (in) (L)	ASME Spec.
J9634HB	3/4" x 12" Brass Drift Punch	3/4	12	ASME B107.410
J9638HB	3/8" x 10" Brass Line-up Punch	3/8	10	ASME B107.410
J96716HB	7/16" x 14" Brass Line-up Punch	7/16	14	ASME B107.410
J25TR54C	Pouch			

SUPER-DUTY COLD CHISELS

- Made from S2 steel and specially heat-treated for greater strength and durability.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- 20% larger striking surface than standard chisels directs the power to the cutting edge.
- Longer shank features a knurl for better grip and easy positioning.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J86038	3/8	5/16	6	0.13
J86012	1/2	7/16	6-13/16	0.26
J86058	5/8	1/2	7-5/8	0.44
J86034	3/4	5/8	8-7/16	0.75
J86078	7/8	3/4	9-1/4	1.09
J86001	1	7/8	10-1/16	1.46

ASME B107.410

COLD CHISELS

- Made from S2 steel and specially heat-treated for greater strength and durability.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J86A3/16S2	1/4	3/16	4-7/8	0.04
J86A1/4S2	5/16	1/4	5-1/8	0.07
J86A5/16S2	3/8	5/16	5-3/8	0.12
J86A3/8S2	7/16	3/8	5-9/16	0.17
J86A7/16S2	1/2	7/16	6	0.25
J86A7/16X12S2	1/2	7/16	12	0.51
J86A1/2S2	5/8	1/2	6-3/4	0.37
J86A1/2X12S2	5/8	1/2	12	0.68
J86A5/8S2	3/4	5/8	6-7/8	0.54
J86A5/8X12S2	3/4	5/8	12	1.03
J86A3/4X8S2	7/8	3/4	8	0.89
J86A3/4X12S2	7/8	3/4	12	1.40
J86A7/8X18S2	1	7/8	18	2.42
J86A7/8X8S2	1	7/8	8-1/2	1.13
J86A7/8X12S2	1	7/8	12	1.75
J86A1X8S2	1-3/16	1	8-1/4	1.56

ASME B107.410

CAPE CHISELS

- Made from S2 steel and specially heat-treated for greater strength and durability.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J721/4S2	3/16	1/4	4-5/8	0.06
J725/16S2	5/16	5/16	5-1/8	0.10
J723/8S2	1/4	3/8	5-1/2	0.16

ASME B107.410

DIAMOND POINT CHISELS

- Made from S2 steel and specially heat-treated for greater strength and durability.
- Hand ground cutting edge to the exact angle for cutting through tough metals.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J761/4S2	5/32	1/4	4-1/2	0.06
J765/16S2	3/16	5/16	5	0.10
J763/8S2	1/4	3/8	5-5/8	0.16
J761/2S2	5/16	1/2	6	0.30
J765/8S2	3/8	5/8	6-1/2	0.44

ASME B107.410

PUNCH AND CHISEL HOLDER

- Holds punches and chisels up to one inch in diameter reducing the risk of injury.
- Nylon insert absorbs shock.
- Large four-sided handle.



Product #	Overall Length (in) (L)	Weight (lbs)
J2108	8	0.60

SUPER-DUTY DRIVE PIN PUNCHES



- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J48116	1/16	1/4	4-1/8	0.05
J48332	3/32	1/4	4-1/2	0.07
J48018	1/8	5/16	4-3/4	0.09
J48532	5/32	5/16	5	0.01
J48316	3/16	3/8	5-1/4	0.15
J48732	7/32	7/16	5-1/2	0.22
J48014	1/4	7/16	5-3/4	0.29
J48516	5/16	1/2	6-1/4	0.35
J48038	3/8	5/8	6-1/2	0.53

ASME B107.410

DRIVE PIN PUNCHES



- Two-piece design allows the tip to be hard for durability while allowing it to be produced straight to help prevent binding.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J471/4X1/16	1/16	1/4	4-3/8	0.05
J471/4X3/32	3/32	1/4	4-3/4	0.06
J475/16X1/8	1/8	5/16	5-3/16	0.09
J475/16X5/32	5/32	5/16	5-9/16	0.01
J473/8X3/16	3/16	3/8	5-7/8	0.15
J477/16X7/32	7/32	3/8	6-3/8	0.22
J471/2X1/4	1/4	3/8	6-3/4	0.29

ASME B107.410

ROLL PIN PUNCHES



- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished indentification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J49116S2	1/16	1/4	3-3/4	0.04
J49332S2	3/32	1/4	4-1/4	0.08
J49018S2	1/8	5/16	4-3/4	0.08
J49532S2	5/32	5/16	5-1/4	0.08
J49316S2	3/16	3/8	5-7/16	0.10
J49732S2	7/32	3/8	5-7/8	0.16
J49014S2	1/4	7/16	6-7/16	0.16
J49038S2	3/8	1/2	7-1/2	0.32
J49012S2	1/2	5/8	7-1/2	0.52

SUPER-DUTY LONG DRIVE PIN PUNCHES



- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping. Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J48532LS2	5/32	3/8	8	0.14
J48316LS2	3/16	3/8	8	0.15
J48732LS2	7/32	7/16	8	0.20
J48014LS2	1/4	1/2	8	0.30
J48516LS2	5/16	1/2	8	0.41

ASME B107.410

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

LONG ALIGNING PUNCH



- Application: to align holes in two or more pieces of metal through which a bolt or screw is to be inserted.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J155/8S2	3/16	5/8	16	0.90

ASME B107.410

DRIFT PUNCHES



- Application: to align holes in two or more pieces of metal through which a bolt or screw is to be inserted.
- Application: for installing and removing pins and shafts.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J961/4S2	3/32	1/4	10	0.12
J965/16S2	1/8	5/16	10	0.19
J963/8S2	3/16	3/8	10	0.28
J967/16S2	7/32	7/16	10	0.37
J961/2S2	1/4	1/2	10	0.49
J965/8S2	5/16	5/8	10	0.70
J963/4S2	3/8	3/4	10	1.02

ASME B107.410

STARTING PUNCHES



- Similar to drift punches, but with wider points and heavier, shorter body.
- Application: to align holes in two or more pieces of metal through which a bolt or screw is to be inserted.
- Application: for installing and removing pins and shafts.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.

Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J503/16S2	1/16	1/4	4-1/8	0.03
J501/4S2	3/32	1/4	5	0.06
J505/16S2	1/8	5/16	5-1/8	0.10
J503/8S2	3/16	3/8	5-5/8	0.17
J507/16S2	7/32	7/16	6	0.24
J501/2S2	1/4	1/2	6-1/2	0.33

ASME B107.410

CENTER PUNCHES

- Application: metal working layout. Provides a broad dent in marking intersecting center lines, hole locations, and pilot drill starting point.
- One-piece design for strength and durability.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.



Product #	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J411/4S2	1/4	4-3/4	0.05
J415/16S2	5/16	4-5/8	0.09
J413/8S2	3/8	4-7/8	0.14
J417/16S2	7/16	5-1/4	0.19
J411/2S2	1/2	5-5/8	0.29
J415/8S2	5/8	6-1/4	0.45

ASME B107.410

PRICK PUNCHES

- Application: sheet metal work for scribing and for punching starting holes for sheet metal screws.
- One-piece design for strength and durability.
- Reverse taper to help prevent binding.
- Made from S2 steel and specially heat-treated for greater strength and durability.
- Modified parabolic striking end to help reduce mushrooming and chipping.
- Black oxide finish to help prevent rust corrosion; extending tool life and performance.
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay.



Product #	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J441/4S2	1/4	4-3/4	0.06
J445/16S2	5/16	5	0.09
J443/8S2	3/8	5-1/4	0.14

ASME B107.410

BRASS DRIFT PUNCHES

- Spark-resistant, mar-resistant.
- Designed to help prevent damage to the object being struck.



PROP 65 WARNING: Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after use.

Product #	Tip Width (in) (A)	Overall Length (in) (L)	Weight (lbs)
J49920	1/2	7-7/8	0.46
J9634B	3/4	8	1.05
J9638B	3/8	6	0.20
J9634HB	3/4	12	1.60
J9612B	1/2	7	0.40

ASME B107.410

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.
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BRASS LINE-UP PUNCHES

- Spark-resistant, mar-resistant.
- Designed to help prevent damage to the object being struck.



PROP 65 WARNING: Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after use.

Product #	Tip Width (in) (A)	Overall Length (in) (L)	Weight (lbs)
J9638HB	3/8	10	1.00
J96716HB	7/16	14	1.50

ASME B107.410

PRY BARS

- Large four-sided handle for a better grip and added comfort.



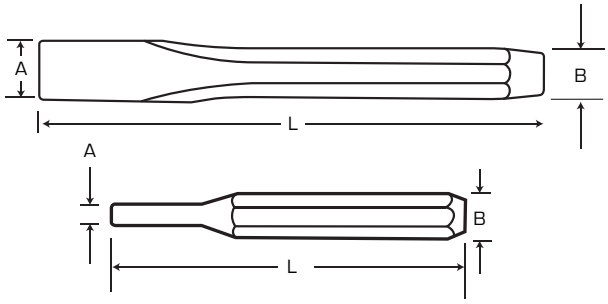
Product #	Tip Width (in) (A)	Overall Length (in) (L)	Weight (lbs)
J2140	5/8	14-1/2	0.92
J2142	5/8	17-1/2	1.08
J2146	3/4	28	1.37
J2148	3/4	31-7/8	2.17

ALIGNING PRY BARS

- Application: for prying, positioning, and aligning applications.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J2116	1/2	1/2	16	0.77
J2120	5/8	5/8	18	1.23
J2124	3/4	3/4	24	2.36
J2125	7/8	7/8	30	4.72



ROLLING HEAD BARS

- Application: Pry and aligning bar with a long pointed taper and 90° rolling head for leverage.



Product #	Tip Width (in) (A)	Shank Width (in) (B)	Overall Length (in) (L)	Weight (lbs)
J2126	1/2	1/2	12	1.30
J2130	5/8	5/8	16	2.40

BALL PEIN HAMMERS - INDUSTRIAL FIBERGLASS HANDLE

- Well-balanced professional hammer with hardened drop-forged head bonded to strong, lightweight fiberglass handle.
- Exclusive Rim-Tempered™ process minimizes chipping from off-center strikes.
- Molded jacket over the fiberglass handle provides maximum overstrike protection.



Product #	Head Weight	Overall Length (in) (L)	Weight (lbs)
J1312PGD	12 oz.	12-1/16	1.31
J1316PGD	16 oz.	13	1.54
J1324PGD	24 oz.	14-3/16	2.18
J1332PGD	32 oz.	15-1/4	2.62

ASME B107.400

BALL PEIN HAMMERS - INDUSTRIAL WOOD HANDLE

- Tough drop-forged head with Rim-Tempered™ hardened face and pein.
- Face, chamfer, cheeks and pein are polished and have a protective coating of clear lacquer.
- Hardwood handles have contoured shape with red lacquer grip.



Product #	Head Weight	Overall Length (in) (L)	Weight (lbs)
J1304PD	4 oz.	11	0.45
J1308PD	8 oz.	12	0.83
J1312PD	12 oz.	13	1.14
J1316PD	16 oz.	14-1/2	1.45
J1324PD	24 oz.	15	2.00
J1332PD	32 oz.	15-7/8	2.42
J1340PD	40 oz.	16-3/8	2.84

ASME B107.400

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RUBBER MALLET

- Soft but tough, flake-resistant Neoprene head prevents damage.
- Hickory handle.



Product #	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1368	2-1/4	4	13-1/2	1.43

TWO-WAY HAMMER

- Has a combined forged steel and replaceable rubber head.
- Hickory handle.



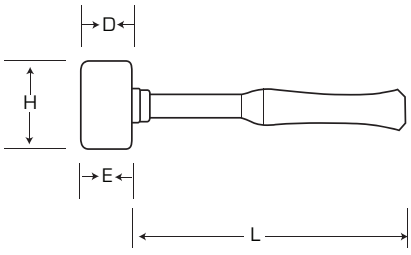
Product #	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1448A	2-1/16 x 1-1/2	5-1/2	16	2.50

SOFT FACE HAMMER - MEDIUM/TOUGH TIPS

- Two mar-resistant plastic tips, one medium, and one tough.
- Tips are screw-on and replaced easily.
- Fiberglass handle with ergonomic, non-slip grip.



Product #	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1360	1-3/16	2-3/4	13-21/64	0.81
J1362	1-11/32	2-3/16	13-15/32	1.05
J1364	1-11/16	4-11/16	14-53/64	2.06



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



SOFT FACE HAMMER - MEDIUM/HARD TIPS

- Each hammer comes with one medium and one hard tip installed.
- Fiberglass handle with ergonomic, non-slip grip.



Product #	Face Diameter (in) (D)	Head Length (in) (H)	Tip Series	Overall Length (in) (L)	Weight (lbs)
JSF105HM	1	2	SF10 Series Tips	13	0.60
JSF150HM	1-1/2	2-3/8	SF15 Series Tips	13-1/2	0.79
JSF200HM	2	2-1/2	SF20 Series Tips	14	1.43
JSF205HM	2	2-1/2	SF20 Series Tips	14	2.06

SOFT FACE HAMMER - WITHOUT TIPS

- Fiberglass handle with ergonomic, non-slip grip.



Product #	Face Diameter (in) (D)	Head Length (in) (H)	Tip Series	Overall Length (in) (L)	Weight (lbs)
JSF100	1	2	SF10 Series Tips	12	0.36
JSF105	1	2	SF10 Series Tips	12	0.52
JSF150	1-1/2	2-3/8	SF15 Series Tips	13-1/2	0.85
JSF155	1-1/2	2-3/8	SF15 Series Tips	13-1/2	1.02
JSF200	2	2-1/2	SF20 Series Tips	15	1.01
JSF205	2	2-1/2	SF20 Series Tips	15	1.80
JSF250	2-1/2	3-1/4	SF25 Series Tips	16-1/2	2.00

SOFT FACE HAMMER TIPS

- Tips screw on.
- Easy to replace.



Product #	Hardness	For Use On	Weight (lbs)
J1360M	Medium	J1360	0.04
J1360T	Tough	J1360	0.04
J1384M	Medium	J1362	0.05
J1384T	Tough	J1362	0.05
J1364M	Medium	J1364	0.10
J1364T	Tough	J1364	0.10

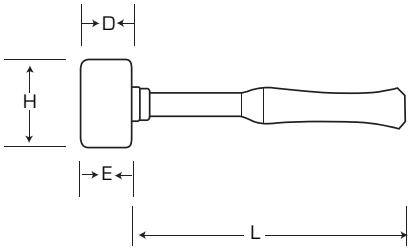
WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SURFACE PROTECTIVE TIPS

Product #	Hardness	Color	Weight (lbs)
JSF10S	Soft	Brown	0.05
JSF10M	Medium	Red	0.09
JSF10T	Tough	Green	0.05
JSF10MH	Medium Hard	Cream	0.05
JSF10H	Hard	Black	0.04
JSF10XH	Extra Hard	Yellow	0.04
JSF15SS	Super Soft	Grey	0.09
JSF15S	Soft	Brown	0.10
JSF15M	Medium	Red	0.10
JSF15T	Tough	Green	0.10
JSF15MH	Medium Hard	Cream	0.08
JSF15H	Hard	Black	0.09
JSF15XH	Extra Hard	Yellow	0.80
JSF20S	Soft	Brown	0.20
JSF20M	Medium	Red	0.21
JSF20T	Tough	Green	0.22
JSF20MH	Medium Hard	Cream	0.20
JSF20H	Hard	Black	0.23
JSF20XH	Extra Hard	Yellow	0.20
JSF25M	Medium	Red	0.42
JSF25T	Tough	Green	0.38
JSF25MH	Medium Hard	Cream	0.39
JSF25H	Hard	Black	0.36
JSF25XH	Extra Hard	Yellow	0.37

- Proto® threaded tips are available in seven different hardnesses for each size tip, from super soft to extra hard. They fit universal hammers and offer the following features:
- Resistant to oil, gasoline, and common industrial chemicals.
- Helps eliminate sting, vibration, and rebound.
- Non-combustible.
- Color coded for degree of hardness for easy identification.





SLEDGE HAMMERS - DOUBLE FACED

- Designed for striking metal, concrete, and stone.
- Strong fiberglass handle with slip-resistant cushion grip.



Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1433G	2.5 lbs.	1-11/16	3	15-11/16	3.28
J1434G	3 lbs.	1-7/8	4-1/2	15-7/8	3.94
J1435G	4 lbs.	2	5	16	4.84
J1436G	6 lbs.	2-1/4	5-3/4	34-1/4	8.05
J1437G	8 lbs.	2-3/8	6-1/2	34-3/8	10.14
J1438G	10 lbs.	2-1/2	7-1/2	34-1/2	12.36
J1439G	12 lbs.	2-3/4	7-3/8	34-3/4	14.50

ASME B107.54M

CROSS PEIN HAMMERS



- For use with unhardened metals.
- Pein is designed for shaping and bending metals.
- Strong fiberglass handle with slip-resistant cushion grip.

Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1440G	2.5 lbs.	1-3/4	5	15-3/4	3.89
J1441G	4 lbs.	1-15/16	5-35/64	15-15/16	4.45

ASME B107.54M

HAND DRILLING HAMMERS



- Well-balanced, drop-forged steel head with a hardened face.
- Designed for use with chisels, punches, star drills, and hardened nails.
- Fiberglass handle with ergonomic, non-slip grip.

Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1442G	2 lbs.	1-3/8	4-1/8	11-3/8	2.72
J1443G	3 lbs.	1-5/8	4-3/8	11-5/8	3.70
J1444G	4 lbs.	1-15/16	4-3/4	11-15/16	4.32

ASME B107.54M

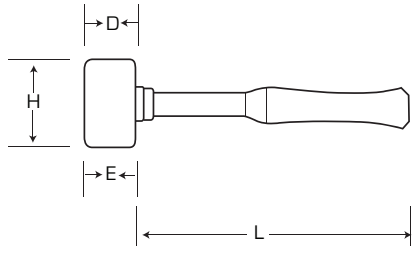
BRASS HAMMERS



- Mar-resistant soft brass head helps absorb impact and helps reduce work damage.
- Spark-resistant for safe use near combustible materials.
- Fiberglass handle with ergonomic, non-slip grip.

PROP 65 WARNING: Handling the brass material on this product exposes you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after use.

Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1430G	1.5 lbs.	1-1/2	3-1/2	13-1/2	2.09
J1432G	2.6 lbs.	1-3/4	3-1/2	13-3/4	3.45
J1431G	3.8 lbs.	2	3-5/8	14-3/4	4.38



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

DEAD BLOW HAMMERS

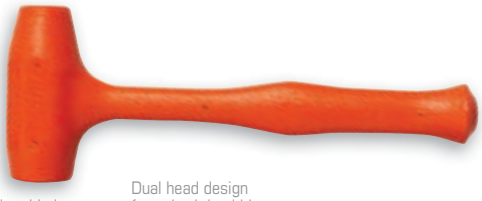
- Spark-resistant for safe use near combustible materials.
- Head contains steel shot to help prevent rebound and vibration.
- Fiberglass handle.



Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J1429DB	1 lbs.	1-5/8	4	13-5/8	1.73
J1430DB	2 lbs.	2	4-3/8	14-3/4	2.16
J1432DB	3 lbs.	2-7/16	4-5/8	16-7/16	2.16
J1431DB	4 lbs.	2-5/8	5	17	3.28

DEAD BLOW COMPO-CAST® COMBO FACE HAMMERS

- Top welded handle-to-head assembly adds extra durability and safety.
- Hot urethane Uni-Cast construction outlasts all other soft face striking tools. Urethane composition provides shape-retaining faces even after repeated striking on hard surfaces and sharp edges.
- Handle is reinforced with solid steel shaft for greater strength safety.
- Top of head molded with a flat surface.
- Dual head design (Standard Dead Blow and Slim-line heads).
- Comfortable dual molded grip.



Top of head molded with flat surface.



Dual head design (standard dead blow and slim-line heads).



Double flange butt handle.



Product #	Head Weight	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J57-530	15 oz	1 x 1-1/4	3-47/64	10-13/32	0.90
J57-531	21 oz	1-1/4 x 1-35/64	4-17/32	11-21/32	1.40
J57-532	28 oz	1-11/32 x 1-45/64	5-9/64	13-1/4	1.80
J57-533	46 oz	1-45/64 x 2-3/32	5-51/64	14-1/4	2.95
J57-534	56 oz	1-61/64 x 2-13/32	6-13/64	15-61/64	3.70

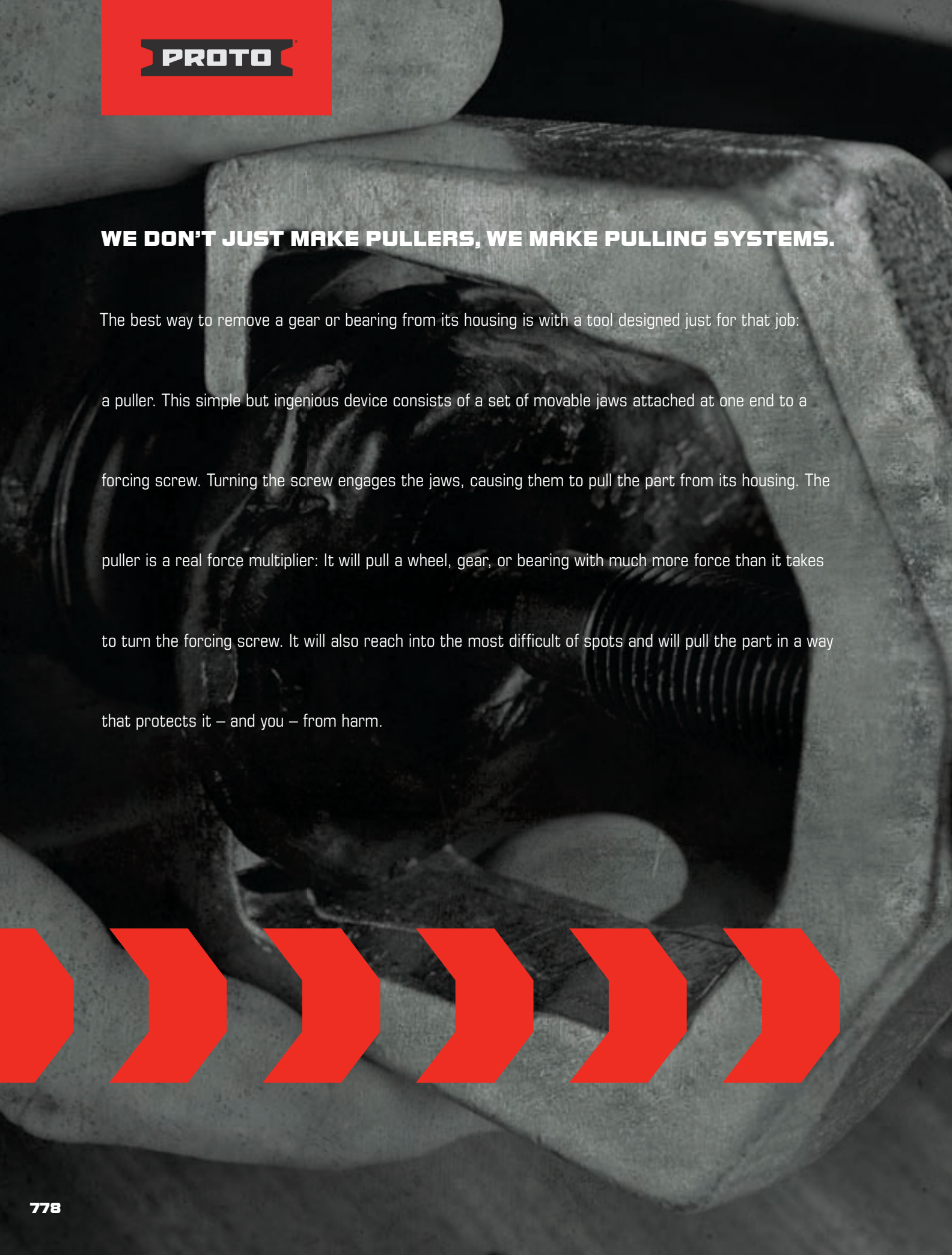
PISTON DEAD BLOW COMPO-CAST® SMALL FACE MALLET

- Extended head for long reach.
- Top welded handle-to-head assembly adds extra durability and safety.
- Hot urethane Uni-Cast construction outlasts all other soft face striking tools. Urethane composition provides shape-retaining faces even after repeated striking on hard surfaces and sharp edges.
- Handle is reinforced with solid steel shaft for greater strength safety.



Product #	Face Diameter (in) (D)	Head Length (in) (H)	Overall Length (in) (L)	Weight (lbs)
J57-544	1-17/32	8-3/8	12-7/8	1.85

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WE DON'T JUST MAKE PULLERS, WE MAKE PULLING SYSTEMS.

The best way to remove a gear or bearing from its housing is with a tool designed just for that job: a puller. This simple but ingenious device consists of a set of movable jaws attached at one end to a forcing screw. Turning the screw engages the jaws, causing them to pull the part from its housing. The puller is a real force multiplier: It will pull a wheel, gear, or bearing with much more force than it takes to turn the forcing screw. It will also reach into the most difficult of spots and will pull the part in a way that protects it – and you – from harm.

PULLERS



6 TON PROTO-EASE™ 2-WAY/3-WAY CONE PULLER SET

PROTO

6 TON GENERAL PULLER SET

Product #: J4289B

- Makes 12 of the most commonly used pullers: Internal, External and Slide hammer.
- Weight (lbs): 17.34

Contents	Description	Qty.
J4260R	T-Handles Rod, 24" Long	1
J4260H	Slide Hammer, 2-1/2 lbs.	1
J4250N	Reversible Adjusting Nut	1
J4250B	2 Jaw Yoke	1
J4255B	3 Jaw Yoke	1
J4205B	Slotted Crossarm, 2-Way/3-Way	1
J4056-6	Reversible Jaw, 6" Reach	3
J4056-4	Reversible Jaw, 4" Reach	3
J4056-2	Inside Jaw, 2" Reach	2
J4056PN	Jaw Pivot Pin	3
J4256S	Inside Hook Jaw	1
J4205S	Forcing Screw	1
J4022T	Standard Detachable Tip	1
J4028	Cap Screw, 3/8"-16 UNC x 3"	3
J4005C	Cap Screw, 3/8"-24 UNF x 3"	3
J4205E	Cap Screw, 3/8"-16 UNC x 4"	3
J4951PB	Blow-Molded Case	1



6 TON WIDE PULLER SET

Product #: J4291B

- Designed for pulling machine parts up to 8" in diameter with reach depths to over 7".
- Makes over 12 different adjustable and straight jaw pullers.
- Weight (lbs): 29.00

Contents	Description	Qty.
J4205S	Forcing Screw	1
J4022T	Standard Detachable Tip	1
J4208CA	2-Way/3-Way Crossarm, 7" Long	1
J4027	Narrow Jaw	3
J4026A	Dual-Reach Jaws	3
J4021S	Spring Clip	3
J4211BA	Adjustable Jaw Block Assembly	3
J4206SC	Slotted Crossarm, 2-Way	1
J4028	Cap Screw, 3/8"-16 UNC x 3"	2
J4332	Bearing Separator, 4-3/8" Capacity	1
J4055H	5 lbs. Slide Hammer	1
J4260R	T-Handles Rod, 24" Long	1
J4952PB	Blow-Molded Case	1



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

6 TON STANDARD PULLER SET

Product #: J4290B

- Makes over 20 of the most often used pullers: Internal, External, Slide Hammer, Rear Axle, Harmonic Balancer, etc.
- Weight (lbs): 27.68

Contents	Description	Qty.
J4260R	T-Handle Slide Rod, 24" Long	1
J4260H	2-1/2 lbs. Slide Hammer	1
J4250N	Reversible Adjusting Nut	1
J4250B	Two Jaw Yoke	1
J4255B	Three Jaw Yoke	1
J4205B	Slotted Crossarm, 2-Way/3-Way	1
J4056-6	Reversible Jaw, 6" Reach	3
J4056-4	Reversible Jaw, 4" Reach	3
J4056-2	Inside Jaw, 2" Reach	2
J4056PN	Jaw Pivot Pin	3
J4256S	Inside Hook Jaw	1
J4205S	Forcing Screw	1
J4022T	Standard Detachable Tip	1
J4028	Cap Screw, 3/8"-16 UNC x 3"	3
J4005C	Cap Screw, 3/8"-24 UNF x 3"	3
J4205E	Cap Screw, 3/8"-16 UNC x 4"	3
J4055H	5 lbs. Slide Hammer	1
J4275R	Short Slide Rod, 12-3/4" Long	1
J4277B	Rear Axle Flange Foot	1
J4280	Set Puller Blind Bearing	1
J4331	Gear and Bearing Separator	1
J4951PB	Blow-Molded Case	1



10 TON PROTO-EASE™ WIDE PULLER SET

Product #: J4292B

- Required for large parts with heavy press-fits.
- Reaches to over 12" and spread of 11"
- Makes over 10 different adjustable and straight jaw pullers.
- Weight (lbs): 39.00

Contents	Description	Qty.
J4225S	Forcing Screw	1
J4012T	Standard Tip	1
J4226CA	2-Way Crossarm, 11" Long	1
J4227CA	3-Way Crossarm, 11" Long	1
J4231A	Adjustable Jaw Block Assembly	3
J4016A	Dual Reach Jaw	3
J4018	Cap Screw Jaw	3
J4017	Long Narrow Jaw	3
J4011S	Spring Clip	3
J4333	Bearing Separator	1
J4953PB	Blow-Molded Case	1



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PROTO-EASE™ BEARING SEPARATOR SET

Product #: J4390B

- Removes gears and bearings too close to another surface for a puller jaw grip, or where the pulled out part must be protected.
- Case provides space for step plates and assorted accessories.
- Weight (lbs): 27.50

Contents	Description	Qty.
J4330	Gear and Bearing Separator, 1-13/16" Capacity	1
J4331	Gear and Bearing Separator, 2-13/32" Capacity	1
J4332	Gear and Bearing Separator, 4-3/8" Capacity	1
J4333A	Gear and Bearing Separator, 6" Capacity	1
J4333R	Threaded Rod, 3/4"-16 UNF, 10" Long	2
J4955PB	Blow-Molded Case	1



10 TON PROTO-EASE™ PRESS-N-PULL™ SET

Product #: J4293B

- Presses parts into place without hydraulics.
- Functions as many different pullers either by itself or in combination with other Proto® Pullers.
- Weight (lbs): 43.00

Contents	Description	Qty.
J4012T	Standard Tip	1
J4229LS	Lock Screw, 7/16"-14 UNC x 3/4"	3
J4235AA	Adapter, 3/4"-12 Female x 5/8" Male Acme	1
J4235CN	Coupling Nut, 3/4"-12 Acme	1
J4235S	Forcing Screw	1
J4235UA	Adapter, 3/4"-12 Female Acme x 5/8" 18 UNF Male	1
J4236CA	2-Way Crossarm	1
J4236N	Forcing Nut	1
J4236W	Thrust Washer	1
J4237CA	3-Way Crossarm	1
J4239SB	Slideblock	3
J4240-08F	Adapter, 5/8" x 1/2" Female	3
J4240-08M	Adapter, 5/8" x 1/2" Male	3
J4240-12F	Adapter, 5/8" x 3/4" Female	3
J4240-12M	Adapter, 5/8" x 3/4" Male	3
J4240-14F	Adapter, 5/8" x 7/8" Female	3
J4240-14M	Adapter, 5/8" x 7/8" Male	3
J4240L	Medium Leg	3
J4240SL	Short Leg	3
J4333	Bearing Separator	1
J4954PB	Blow-Molded Case	1

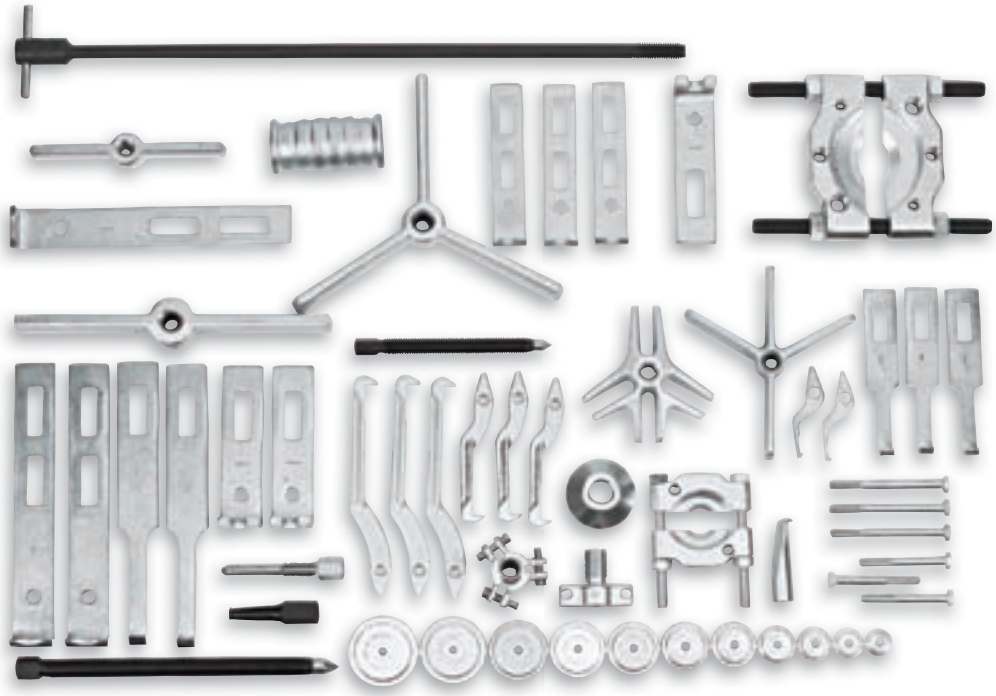


WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

PROTO-EASE™ GENERAL PULLER SET

Product #: J4245

- Includes components to assemble a wide variety of 3 ton, 6 ton, 10 ton, slide hammer and threaded part pullers.
- Weight (lbs): 46.13



Contents	Description	Qty.
J4005C	Cap Screw, 3/8"-24 UNF x 3"	3
J4011S	Spring Clip	3
J4016A	Dual-Reach Jaws	1
J4017	Long Narrow Jaw	1
J4018	Cap Screw Jaw	1
J4021S	Jaw Spring Clip	3
J4026A	Dual Reach Jaw	3
J4027	Narrow Jaw	3
J4040	Step Plate Adapter Set	1
J4056-2	Inside Jaw, 2" Reach	2
J4205B	Slotted Crossarm 2-Way/3-Way	1
J4205E	Cap Screw, 3/8"-16 UNC x 4"	3
J4206CA	2-Way Crossarm	1
J4208CA	2-Way/3-Way Crossarm	1
J4227CA	3-Way Crossarm, 11" Long	1
J4234	10 Ton 2-Way Straight Jaw Puller Set	1
J4252	6 Ton 2-Way/3-Way Cone Puller Set	1
J4256S	Inside-Hook Jaw	1
J4260H	2-1/2 lbs. Slide Hammer	1
J4260R	T-Handle Slide Rod, 24" Long	1
J4280	Set Puller Blind Bearing	1
J4331	Gear and Bearing Separator, 2-13/32" Capacity	1
J4332	Gear and Bearing Separator, 4-3/8" Capacity	1

PROTO-EASE™ MASTER PULLER SET

Product #: J4235A

- Covers most maintenance operations using standard pullers.
- Contains components necessary to assemble all full-interchange system pullers except Proto® Press-N-Pull™ Pullers.
- Weight (lbs): 73.00



Contents	Description	Qty.
J4205B	Slotted Crossarm, 2-Way/3-Way	1
J4022T	Standard Detachable Tip	1
J4205S	Forcing Screw	1
J4005C	Cap Screw, 3/8"-24 UNF x 3"	3
J4205E	Cap Screw, 3/8"-16 UNC x 4"	3
J4028	Cap Screw, 3/8"-16 UNC x 3"	3
J4206SC	Slotted Crossarm, 2-Way	1
J4250B	2 Jaw Yoke	1
J4255B	3 Jaw Yoke	1
J4056-2	Inside Jaw, 2" Reach	3
J4056-4	Reversible Jaw, 4" Reach	3
J4056-6	Reversible Jaw, 6" Reach	3
J4250N	Reversible Adjusting Nut	1
J4056PN	Jaw Pivot Pin	3
J4260H	2-1/2 lbs. Slide Hammer	1
J4260R	T-Handle Slide Rod, 24" Long	1
J4055H	5 lbs. Slide Hammer	1
J4275R	Short Slide Rod	1
J4277B	Rear Axle Flange Foot	1
J4256S	Inside Hook Jaw	1
J4280	Set Puller Blind Bearing	1

Contents	Description	Qty.
J4211BA	Adjustable Jaw Block Assembly	3
J4026A	Dual-Reach Jaw	3
J4027	Narrow Jaw	3
J4208CA	2-Way/3-Way Crossarm	1
J4231A	Adjustable Jaw Block Assembly	3
J4012T	Standard Tip	1
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1
J4227CA	3-Way Crossarm, 11" Long	1
J4016A	Dual-Reach Jaw	3
J4017	Long Narrow Jaw	3
J4018	Cap Screw Jaw	3
J4021S	Spring Clip	3
J4011S	Spring Clip	3
J4331	Bearing Separator, 2-13/32" Capacity	1
J4333A	Bearing Separator, 6" Capacity	1
J4040	Step Plate Adapter Set	1
J4040-12	Step Plate, 2-1/8" Bore	1
J4040-13	Step Plate, 2-1/4" Bore	1
J4040-14	Step Plate, 2-3/8" Bore	1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

PROTO-EASE™ MASTER PULLER SET (WITH BOX)

Product #: J4235B

- Covers most maintenance operations using standard pullers.
- Contains components necessary to assemble all full-interchange system pullers except Proto® Press-N-Pull™ Pullers.
- Weight (lbs): 93.00





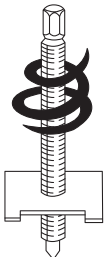
Contents	Description	Qty.
J4205B	Slotted Crossarm, 2-Way/3-Way	1
J4022T	Standard Detachable Tip	1
J4205S	Forcing Screw	1
J4005C	Cap Screw, 3/8"-24 UNF x 3"	3
J4205E	Cap Screw, 3/8"-16 UNC x 4"	3
J4028	Cap Screw, 3/8"-16 UNC x 3"	3
J4206SC	Slotted Crossarm, 2-Way	1
J4250B	2 Jaw Yoke	1
J4255B	3 Jaw Yoke	1
J4056-2	Inside Jaw, 2" Reach	3
J4056-4	Reversible Jaw, 4" Reach	3
J4056-6	Reversible Jaw, 6" Reach	3
J4250N	Reversible Adjusting Nut	1
J4056PN	Jaw Pivot Pin	3
J4260H	2-1/2 lbs. Slide Hammer	1
J4260R	T-Handle Slide Rod, 24" Long	1
J4055H	5 lbs. Slide Hammer	1
J4275R	Short Slide Rod	1
J4277B	Rear Axle Flange Foot	1
J4256S	Inside Hook Jaw	1
J4280	Set Puller Blind Bearing	1

Contents	Description	Qty.
J4211BA	Adjustable Jaw Block Assembly	3
J4026A	Dual-Reach Jaw	3
J4027	Narrow Jaw	3
J4208CA	2-Way/3-Way Crossarm	1
J4231A	Adjustable Jaw Block Assembly	3
J4012T	Standard Tip	1
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1
J4227CA	3-Way Crossarm, 11" Long	1
J4016A	Dual-Reach Jaw	3
J4017	Long Narrow Jaw	3
J4018	Cap Screw Jaw	3
J4021S	Spring Clip	3
J4011S	Spring Clip	3
J4331	Bearing Separator, 2-13/32" Capacity	1
J4333A	Bearing Separator, 6" Capacity	1
J4040	Step Plate Adapter Set	1
J4040-12	Step Plate, 2-1/8" Bore	1
J4040-13	Step Plate, 2-1/4" Bore	1
J4040-14	Step Plate, 2-3/8" Bore	1
J9969-NA	Steel Storage Box	1

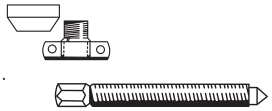
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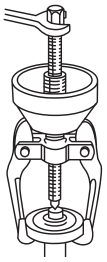
OPERATIONAL FEATURES - 6 TON PROTO-EASE™ CONE PULLERS

Forcing screws should be easy to turn—and most are—when the load is fairly light. But tough pulling jobs are a different story. Most screws tighten up when the going gets rough, resulting in far less output than you apply. Why? Because there's frictional resistance. The thread and threaded hole are fighting each other all the way. Not with Proto®! We've got Acme threads to increase your muscle power. Acme is the thread with a long-lasting reputation for easy turning and smooth-as-silk performance.

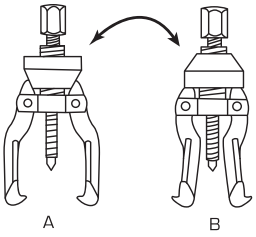


Since the adjusting cone threads on the crossblock and not onto the forcing screw, it is isolated from the torque of the screw. This means there's no unwanted jaw tightening. Go ahead—turn down the screw. Apply all the pressure you need. You won't change the set of the jaws. You can hold onto a gear, bushing or sleeve with unheard of precision and maximum control. No more stretching, scoring or crushing. Unwanted tightening is a thing of the past.

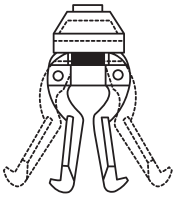




Reversing jaws from an external pull (A) to an internal pull (B) used to be a problem. It was tedious and took time. No more! Now Proto® threads the cone on the crossblock. A few turns and it's off. Flip it and a few turns puts it on again. Reversing the jaws is even faster. Pop the pivot pins out, turn the jaws and pop the pins in again. The screw? It stays put. You're ready to pull.



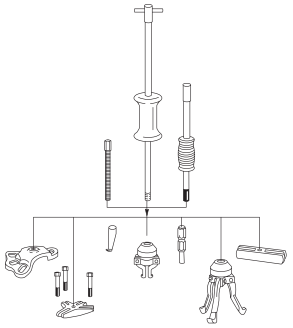
Jaws are configured to cam smoothly within the adjusting cone resulting in smoother jaw action and wider jaw spread.



Switching from a forcing screw to a slide hammer used to be a problem. You had to unscrew the forcing screw from BOTH crossblock and adjusting cone and this caused you to lose the set of your jaws. Then you had to "hook-up" all over again. No more! Out comes the screw and in goes the slide rod. You've got a slide hammer puller. The adjusting cone? It stays put…on the crossblock.



Now, both slide rods mate up with ALL attachments… So does the forcing screw. They're all threaded alike. Slide rods, forcing screws and attachments…ALL threaded 5/8"-12 Acme!



6 TON 2-WAY CONE PULLER SET

Product #: J4250

- Reach: 4"– Spread: 5".
- Weight (lbs): 2.43

Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-4	Reversible Jaw, 4" Reach	2
J4056PN	Jaw Pivot Pin	2
J4205S	Forcing Screw	1
J4250B	2 Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1



6 TON 2-WAY CONE PULLER SET

Product #: J4251

- Reach: 4" and 6" – Spread: 5" and 7".
- Weight (lbs): 2.96

Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-4	Reversible Jaw, 4" Reach	2
J4056-6	Reversible Jaw, 6" Reach	2
J4056PN	Jaw Pivot Pin	2
J4205S	Forcing Screw	1
J4250B	2 Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1



6 TON PROTO-EASE™ 2-WAY/3-WAY CONE PULLER SET

Product #: J4252

- Reach: 4" and 6" – Spread: 5" and 7".
- Weight (lbs): 4.12

Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-4	Reversible Jaw, 4" Reach	3
J4056-6	Reversible Jaw, 6" Reach	3
J4056PN	Pivot Pin	3
J4205S	Forcing Screw	1
J4250B	2 Jaw Yoke	1
J4255B	3 Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1



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6 TON PROTO-EASE™ 3-WAY CONE PULLER SET

Product #: J4255

- Reach: 4" – Spread: 5".
- Weight (lbs): 2.59



Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-4	Reversible Jaw, 4" Reach	3
J4056PN	Pivot Pin	3
J4205S	Forcing Screw	1
J4255B	3 Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1

6 TON 3-WAY CONE PULLER

Product #: J4257

- Reach: 6" – Spread: 7".
- Weight (lbs): 2.50

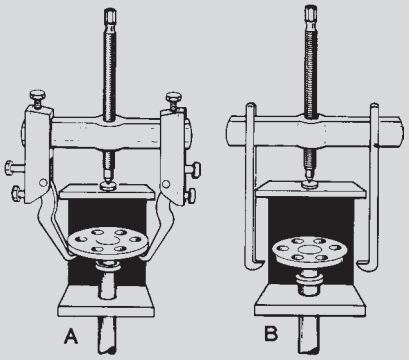


Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-6	Reversible Jaw, 6" Reach	3
J4056PN	Jaw Pivot Pin	3
J4205S	Forcing Screw	1
J4255B	3 Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

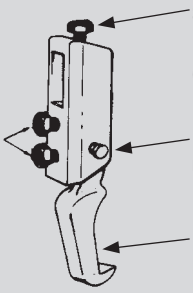
OPERATIONAL FEATURES

6 TON PROTO-EASE™ WIDE PULLERS

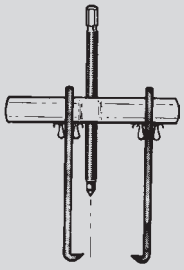


Adjustable jaws (A) reach around obstructions to grip parts inaccessible to straight jaws (B)

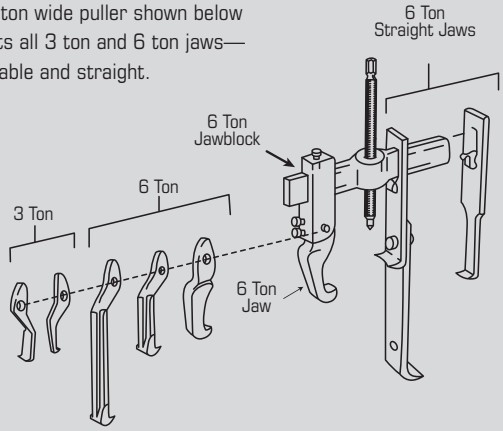
Adjustable jaws (C) have greater reach capabilities than straight jaws (D)



Jaws slide into place along crossarm and may be positioned at unequal distances from the forcing screw for unusual pulling applications.



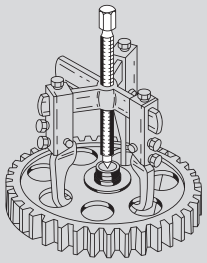
The 6 ton wide puller shown below accepts all 3 ton and 6 ton jaws—adjustable and straight.



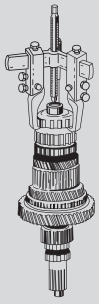
NOTE: Tonnage ratings do not apply when: 1) using jaw blocks with lock screws facing inboard (see drawing C above), 2) jaw angle exceeds 7° or 3) lighter adjustable jaws are used in heavier jaw blocks.

TYPICAL APPLICATIONS

NO. J4217 PROTO-EASE™ 6 TON PROTO-EASE™ 2-WAY/3-WAY ADJUSTABLE JAW PULLER



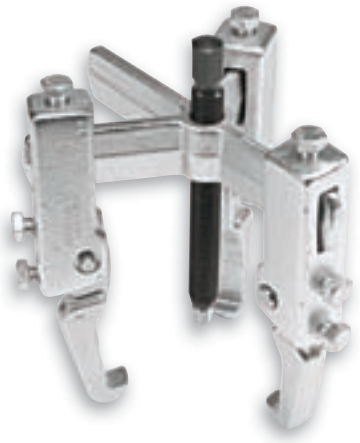
Puller is used to pull a gear off a hub. Gear has holes positioned close to the hub so medium size pullers can get a grip without damaging the case-hardened gear teeth. To avoid damage, when pulling gears in particular, a 3-way puller is generally preferred to a 2-way puller.



Puller is used to remove the pilot bearing from a transmission output shaft (adjustable jaws are shown used as straight jaws since no angle-of-grip adjustment is required). Each adjustable jaw block assembly slides along the crossarm for positioning—just as straight jaws, but with an important difference: Lock screw on top of jaw blocks secures each jaw assembly for a safe, slip-resistant grip.

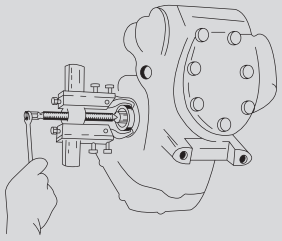
6 TON PROTO-EASE™ 2-WAY/3-WAY ADJUSTABLE JAW PULLER

Product #: J4217



- Reach: 4-1/2" – Spread: 8".
- Weight (lbs): 6.25

Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056PN	Pivot Pin	3
J4205S	Forcing Screw	1
J4208CA	2-Way/3-Way Crossarm	1
J4209JB	Jaw Block	3
J4209LS	Lock Screw	9
J4210RJ	Reversible Jaw, 4-1/2" Reach	3



The bearing housing of this air conditioning compressor has been removed, exposing to view the crankshaft bearing, a part that frequently requires replacement—often calling for additional compressor disassembly to remove. Further disassembly can be avoided, however, with a pair of jaws strong enough, yet slim enough to slip between the bearing and compressor walls. The 6 ton puller is equipped with No. J4210SJ short jaws, specially shaped for minimum clearance pulling situations like this. Although rated at a maximum of 3 tons, these jaws are best used with a 6 ton puller assembly, as shown. In extremely limited access situations, these jaws can be inserted sideways, individually, then turned back to standard pulling position before hook-up with sliding jaw blocks.

6 TON PROTO-EASE™ 2-WAY STRAIGHT JAW PULLER

Product #: J4212SJB



- Reach: 2" and 4" – Spread: 6".
- Weight (lbs): 4.87

Contents	Description	Qty.
J4021S	Standard Spring Clip	2
J4022T	Standard Detachable Tip	1
J4026A	Dual Reach Jaw	2
J4027	Narrow Jaw	2
J4205S	Forcing Screw	1
J4206CA	2-Way Crossarm	1
J4029	Steel Storage Box	1

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

6 TON 2-WAY STRAIGHT JAW PULLER SET

Product #: J4212SJ

- Reach: 2" and 4" – Spread: 6".
- Weight (lbs): 3.19



Contents	Description	Qty.
J4021S	Spring Clip	2
J4022T	Standard Detachable Tip	1
J4026A	Dual Reach Jaw	2
J4027	Narrow Jaw	2
J4205S	Forcing Screw	1
J4206CA	2-Way Crossarm	1

6 TON JAW BLOCK ASSEMBLY

Product #: J4211BA

- Weight (lbs): 1.37

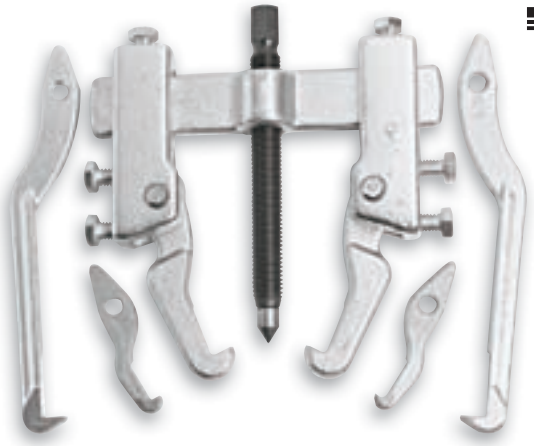


Contents	Description	Qty.
J4056PN	Jaw Pivot Pin	1
J4209JB	Jaw Block	1
J4209LS	Lock Screw	3
J4210RJ	Reversible Jaw, 4-1/2" Reach	1

6 TON PROTO-EASE™ 2-WAY ADJUSTABLE JAW PULLER SET

Product #: J4212MJ

- Reach: 7-3/4" – Spread: 11".
- Weight (lbs): 5.12



Contents	Description	Qty.
J4022T	Standard Detachable Tip	1
J4056-6	Reversible Jaw, 6" Reach	2
J4056PN	Pivot Pin	2
J4205S	Forcing Screw	1
J4206CA	2-Way Crossarm	1
J4209JB	Jaw Block	2
J4209LS	Lock Screw	6
J4210RJ	Reversible Jaw, 4-1/2" Reach	2
J4210SJ	Short Jaw	2

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10 TON PROTO-EASE™ 3-WAY ADJUSTABLE JAW PULLER

Product #: J4233E

- Reach: 5" – Spread: 12".
- Weight (lbs): 10.68

Contents	Description	Qty.
J4012T	Standard Tip	1
J4056PN	Pivot Pin	3
J4225S	Forcing Screw	1
J4227CA	3-Way Crossarm, 11" Long	1
J4229JB	Jaw Block	3
J4229LS	Lock Screw, 7/16"-14 UNC x 3/4"	9
J4230RJ	Adjustable Reversible Jaw	3
J4019	Steel Storage Box	1



10 TON PROTO-EASE™ 2-WAY ADJUSTABLE JAW PULLER

Product #: J4232E

- Reach: 5" – Spread: 12".
- Weight (lbs): 7.81

Contents	Description	Qty.
J4012T	Standard Tip	1
J4056PN	Pivot Pin	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1
J4229JB	Jaw Block	2
J4229LS	Lock Screw, 7/16"-14 UNC x 3/4"	6
J4230RJ	Adjustable Reversible Jaw	2



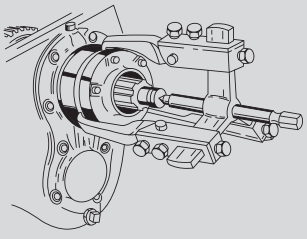
10 TON JAW BLOCK ASSEMBLY

Product #: J4231A

- Weight (lbs): 2.00

Contents	Description	Qty.
J4056PN	Jaw Pivot Pin	1
J4209JB	Jaw Block	1
J4209LS	Lock Screw	3
J4210RJ	Reversible Jaw, 4-1/2" Reach	1





Puller is used to remove a truck input shaft's entire bearing retainer assembly. Three heavy-duty adjustable jaws (No. J4230RJ) grip assembly behind the front bearing cap while the 10 ton forcing screw bears down on the input shaft. A step plate adapter, No. J4040-2, is placed between the forcing screw tip and the input shaft to prevent damage to shaft and screw tip.

10 TON 2-WAY STRAIGHT JAW PULLER SET

Product #: J4234



- Reach: 2-15/16", 4-11/16" and 7-1/8" (18" with jaws bolted together) – Spread: 10".
- Weight (lbs): 11.50

Contents	Description	Qty.
J4011S	Spring Clip	2
J4012T	Detachable Tip	1
J4016A	Dual Reach Jaw	2
J4017	Long Narrow Jaw	2
J4018	Cap Screw Jaw	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1

10 TON 2-WAY STRAIGHT JAW PULLER SET

Product #: J4238

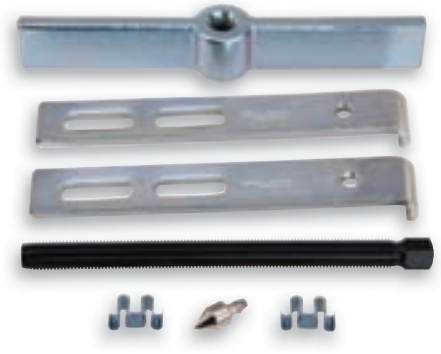


- Reach: 2-15/16", 4-11/16" and 7-1/8" (18" with jaws bolted together) – Spread: 10".
- Weight (lbs): 8.37

Contents	Description	Qty.
J4011S	Spring Clip	2
J4012T	Detachable Tip	1
J4016A	Dual Reach Jaw	2
J4018	Cap Screw Jaw	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1

10 TON 2-WAY STRAIGHT JAW PULLER SET

Product #: J4232

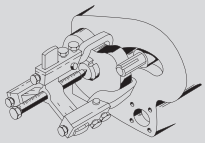


- Reach: 4-11/16" and 7-1/8" – Spread: 10".
- Weight (lbs): 6.75

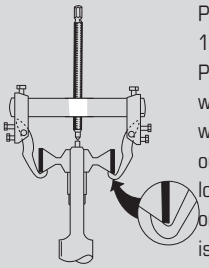
Contents	Description	Qty.
J4011S	Spring Clip	3
J4012T	Detachable Tip	1
J4016A	Dual Reach Jaw	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1

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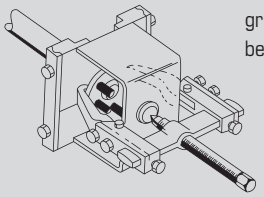
OPERATIONAL FEATURES — 10 TON PROTO-EASE™ PULLERS



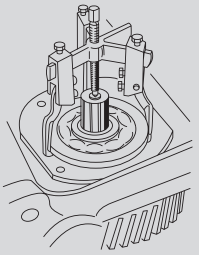
Proto-Ease™ No. J4233E 10 Ton 3-Way Adjustable Jaw Puller. Adapts easily to the job of pulling a cam from a shaft. Jaws are positioned asymmetrically on all three arms to accommodate the cam's irregular shape. Whether straight jaw or adjustable jaw, Proto-Ease™ pullers mean maximum adaptability to any pulling situation.



Proto-Ease™ No. J4232E 10 Ton 2-Way Adjustable Jaw Puller, shown at left pulling a gear without actually touching or in any way damaging the case hardened outer face of the gear. The jaws are locked in place and will not contract or squeeze together as pressure is applied. Precision, damage free pulling requires precision jaw positioning. Proto-Ease™ gives you that precision!



A J4232E Adjustable Jaw Puller clears a bearing splitter bridge to grip the truck rear axle bearing behind it.



An Adjustable Jaw Puller can grip an object larger in diameter than the length of its crossarm. The trick is to reverse the jaw blocks so the lock screws face inboard. Doing this can add as much as 27° more jaw spread for external pulls—30° more for internal pulls, with a corresponding reduction in load capacity. (See note below).

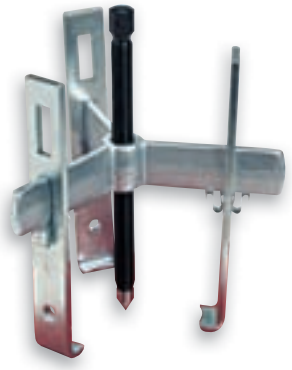
NOTE: Tonnage ratings do not apply when: 1) using jaw blocks with lock screws facing inboard (see above illustration), 2) jaw angle exceeds 7° or 3) lighter adjustable jaws are used in heavier jaw blocks

10 TON PROTO-EASE™ 3-WAY STRAIGHT JAW PULLER

Product #: J4233SJ

- Reach: 4-11/16" and 7-1/8" – Spread: 10".
- Weight (lbs): 9.00

Contents	Description	Qty.
J4011S	Spring Clip	3
J4012T	Standard Tip	1
J4016A	Dual Reach Jaw	3
J4225S	Forcing Screw	1
J4227CA	3-Way Crossarm, 11" Long	1
J4019	Steel Storage Box	1



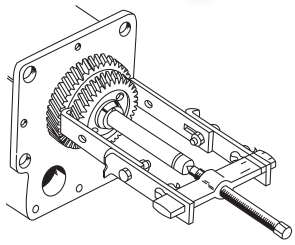
10 TON PROTO-EASE™ 2-WAY STRAIGHT JAW PULLER SET

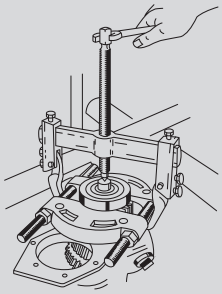
Product #: J4234B

- Reach: 2-15/16", 4-11/16" and 7-1/8" (18" with jaws bolted together) – Spread: 10".
- Weight (lbs): 15.37

Contents	Description	Qty.
J4011S	Spring Clip	2
J4012T	Standard Tip	1
J4016A	Dual Reach Jaw	2
J4017	Long Narrow Jaw	2
J4018	Cap Screw Jaw	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1
J4019	Steel Storage Box	1







Puller is used with a separator to remove a truck countershaft's rear bearing. Notice separator is positioned so bearing rests on flat side of plates, while gear beneath nests within plate concavity. Note too, how heavy-duty 10 ton adjustable jaws (No. J4230RJ) "cradle" the separator's threaded rods for maximum gripping surface. No. J4229JB jawblocks must be positioned at the ends of the crossarm to produce this "cradling" effect.

10 TON PROTO-EASE™ 2-WAY STRAIGHT JAW PULLER SET

Product #: J4232SJ

- Reach: 4-11/16" and 7-1/8" (12" with jaws bolted together) – Spread: 10".
- Weight (lbs): 8.68

Contents	Description	Qty.
J4011S	Spring Clip	2
J4012T	Standard Tip	1
J4015	Short Jaw	2
J4016A	Dual Reach Jaw	2
J4225S	Forcing Screw	1
J4226CA	2-Way Crossarm, 11" Long	1



NOTE: Puller removes a gear with two sets of straight jaws, bolted together for extra reach. Set comes with two sets of jaws — Jaw No. J4015 has a 4-11/16" reach and No. J4016A has a 7-1/8" reach. Bolted together they easily clear the 8" long gear shaft.

OPERATIONAL FEATURES — 10 TON PRESS-N-PULL™ PULLERS

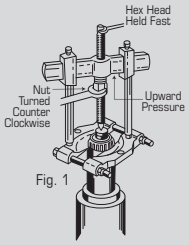
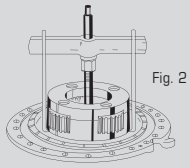
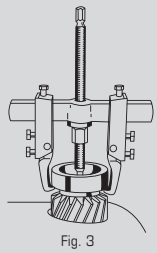
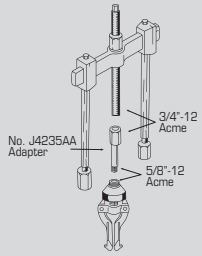


Fig. 1


Fig. 2


Fig. 3

With Press-N-Pull™ Pullers the forcing screw is not turned, as with a regular puller. Instead, the forcing screw's hex head is held fast, while the forcing nut is turned counterclockwise, forcing the smooth bored crossarm up. With it comes the object being pulled, in this case a bearing, gripped by a separator (Fig. 1). Since Press-N-Pull™ Pullers smooth bored crossarms accept regular jaws, whether straight jaws (Fig. 2) or adjustable jaws (Fig. 3), every Press-N-Pull™ puller can double as a regular puller. It's like having two pullers in one.

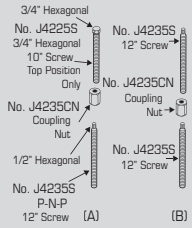


No. J4235AA

Male Acme Thread Screw Adapter Permits Press-N-Pull™ forcing screw hook up with an Acme threaded 6 ton puller— in this case, with a 6 ton No. J4250.

No. J4235UA

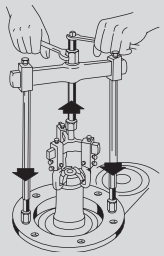
A Second Screw Adapter, has 5/8"-18 UNF male thread for Press-N-Pull™ forcing screw hook up with all three female adapters plus all three male adapters, used to hook up with internally and externally threaded shafts.



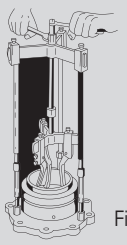
No. J4235CN

Forcing Screw Coupling Nut—has 3/4"-12 Acme thread—same as 10 ton forcing screws. Couples 10 ton 10" forcing screw with Press-N-Pull™ 12" screw (A). Also joins two 10 ton Press-N-Pull™ 12" screws for maximum forcing screw extension (B).

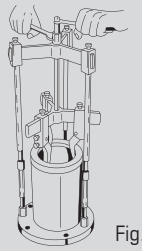
TYPICAL APPLICATIONS — 10 TON PRESS-N-PULL™ PULLERS



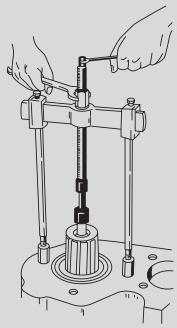
Medium duty 6 ton adjustable jaws are used here to pull an output shaft from the rear of a transmission case. Jaws are arranged for an external pull—tips facing in. Press-N-Pull™ 2-way crossarm is unthreaded, so forcing screw rises straight up—without revolving—when nut on top of crossarm is turned down.


Fig. 1

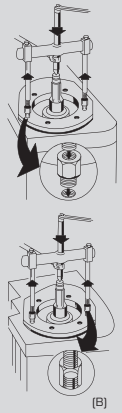
To remove a cross bearing cup a Proto-Ease™ Press-N-Pull™ 3-way puller is hooked up to a 6 ton 3-way puller with 6" jaws (Fig. 1). Since it's an internal pull, jaws are reversed—tips out. A J4235AA screw adapter joins the forcing screw to the 6 ton crossarm. Three J4240-08F leg adapters connect medium legs to short legs for necessary clearance. Pressure pads protect short leg ends.


Fig. 2

Heavy-duty 10 ton adjustable jaws are also reversed in Fig. 2 for an internal pull—tips out—to pull the sleeve from an industrial cylinder. Jaws belong to No. J4233E 10 ton 3-way puller—which threads directly onto the Press-N-Pull™ forcing screw. No need for a screw adapter—both are threaded 3/4"-12 Acme.



This pressed-in transmission output shaft has a threaded end to hook up with, but the Press-N-Pull™ forcing screw requires two adapters to accomplish this. First, a J4235UA male screw adapter is attached to the forcing screw. To this is added a J4240-14F female adapter with internal thread (7/8"-14 UNF) to mate up with the output shaft's threaded end. Since the forcing screw travels straight up—without revolving—there's no danger of accidental unthreading—also no unnecessary rotational resistance during pulling.



Since both of these Press-N-Pull™ 2-way pullers have forcing nuts and washers positioned beneath the crossarm, downward pressure will be exerted on the screw while upward pressure will pull at the legs—which must be screwed into threaded holes or onto threaded studs by means of leg adapters. Puller A is pressing an output shaft forward, legs equipped with male leg adapters. Puller B is pressing a driveshaft out of a gearbox, legs equipped with female leg adapters.

10 TON PRESS-N-PULL™ 3-LEG PULLER SET

Product #: J4293SP-STK

- Reach: 22" – Spread: 11".
- Weight (lbs): 35.24

Contents	Description	Qty.
J4012T	Standard Tip	1
J4229LS	Lock Screw, 7/16"-14 UNC x 3/4"	3
J4236CA	2-Way Crossarm	1
J4237CA	3-Way Crossarm	1
J4235S	Forcing Screw	1
J4235AA	Adapter, 3/4"-12 Female x 5/8" Male Acme	1
J4235UA	Adapter, 3/4"-12 Female Acme x 5/8" 18 UNF Male	1
J4235CN	Coupling Nut, 3/4"-12 Acme	1
J4236N	Forcing Nut	1
J4236W	Thrust Washer	1
J4239SB	Slideblock	3
J4240SL	Short Leg	3
J4240L	Medium Leg	3
J4240P	Leg Pressure Pad	3
J4240-08F	Adapter, 5/8" x 1/2" Female	3
J4240-08M	Adapter, 5/8" x 1/2" Male	3
J4240-12F	Adapter, 5/8" x 3/4" Female	3
J4240-12M	Adapter, 5/8" x 3/4" Male	3
J4240-14F	Adapter, 5/8" x 7/8" Female	3
J4240-14M	Adapter, 5/8" x 7/8" Male	3
J4332	Bearing Separator, 4-3/8" Capacity	1



10 TON PRESS-N-PULL™ 2-LEG PULLER

Product #: J4242

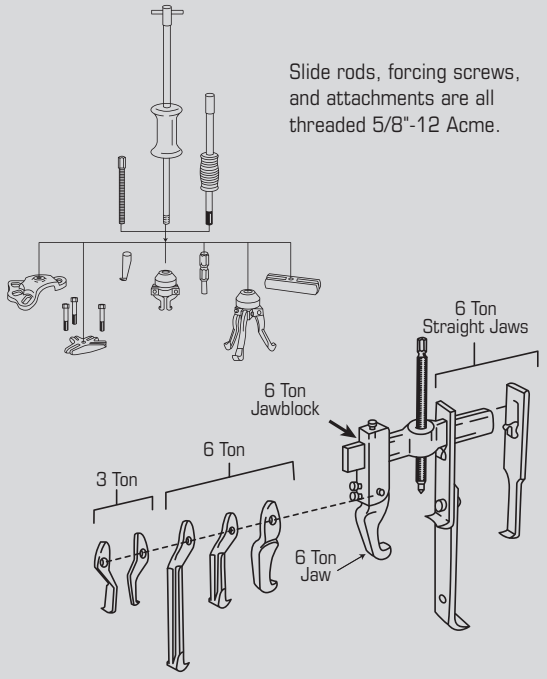
- Reach: 14" – Spread: 11".
- Weight (lbs): 9.18

Contents	Description	Qty.
J4012T	Standard Tip	1
J4229LS	Lock Screw, 7/16"-14 UNC x 3/4"	2
J4235S	Forcing Screw	1
J4236CA	2-Way Crossarm	1
J4236N	Forcing Nut	1
J4236W	Thrust Washer	1
J4239SB	Slideblock	2
J4240L	Medium Leg	2
J4240P	Leg Pressure Pad	2



OPERATIONAL FEATURES — 6 TON PROTO-EASE™ SLIDE HAMMER PULLERS

Both long and short slide rods mate up with all 6 ton components. They're all threaded alike.



ROLLED ACME VS VEE AND BUTTRESS THREADS

A smaller flank angle requires less torque.





ROLLED ACME THREAD

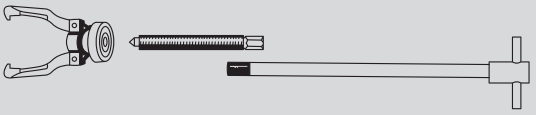
- Transmits power more efficiently.
- Lower frictional resistance.
- Durable.

VEE THREAD

- High frictional resistance.
- Easily nicked.

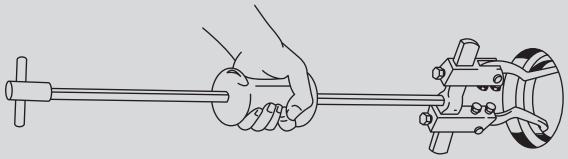
BUTTRESS THREAD

- Load can be applied in one direction only.
- Users often insert screw in wrong direction.
- Easily nicked.

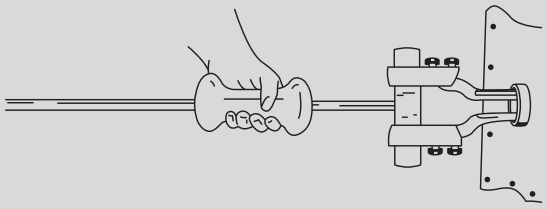


Switching from a forcing screw to a slide hammer used to be a problem. You had to unscrew with forcing screw from BOTH crossblock and adjusting cone and this caused you to lose the set of your jaws. Then you had to "hook-up" all over again. No more! Out comes the screw and in goes the slide rod. You've got a slide hammer puller. The adjusting cone? It stays put…on the crossblock.

TYPICAL APPLICATIONS — 6 TON PROTO-EASE™ SLIDE HAMMER PULLERS



A 6 ton slide rod with 5 lbs. hammer is threaded into a 6 ton 2-way adjustable puller to "shock" a bearing cup out. The jawblocks are reversed for greater jaw spread.



The same puller is used to "shock-out" an oil seal from its housing. Here, both jawblocks are positioned in the conventional pulling position—lock-screws outboard, while the jaws remain reversed, tips out.

10-WAY PROTO-EASE™ ADVANTAGE SLIDE HAMMER PULLER SET

Product #: J5040

- Slide hammer puller set packaged in a convenient plastic blow-molded carrying/storage case.
- Weight (lbs): 25.00

Description	Qty.
Hex Jam Nut (5/16"-24)	3
Hex Jam Nut (5/8"-18)	1
Hex Head Cap Screw (5/16"-24)	3
Puller Head	1
Adjusting Cone	1
Forcing Screw	1
2-Way Crossarm	1
Pulling Hook	1
Pulling Adapter-Machine	1
Pilot Bearing Puller Jaw	3
5 lbs. Slide Hammer	1
Puller Arm	1
Medium Puller Jaw	3
Long Puller Jaw	3
Self Tapping Screw	1
Adapter For Adjustable Jaw Wrench	1
Retainer	1
Shank and Tee Bar Assembly	1
Sleeve (5/8"-18)	1
Forcing Screw	1
Front Hub Remover	1
Blow-Molded Case	1



REVERSIBLE JAW SLIDE HAMMER PULLER

Product #: J5049

- Versatile puller which will accomplish many pulling jobs involving gears, bearings, outer races, grease retainers, oil seals, etc.
- Either two or three puller jaws may be used to handle "inside" pulling jobs such as bearing cups and outer racers, as well as regular "outside" pulling jobs.
- The 5 lbs. slide hammer can be removed and used independently.
- Weight (lbs): 11.00
- Overall Length: 27".

2-Jaw Spread				3-Jaw Spread			
Inside		Outside		Inside		Outside	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1-1/4"	3-1/2"	1"	4-1/2"	1-1/2"	4-1/4"	1-1/2"	4-1/2"



6 TON PROTO-EASE™ 2-WAY PILOT BEARING/SMALL BUSHING PULLER

Product #: J4275



- Reach: 2" – Spread: 5/8" to 2-1/2" inside.
- Weight (lbs): 5.18

Contents	Description	Qty.
J4056-2*	Inside Jaw, 2" Reach	2
J4056PN	Pivot Pin	2
J4250B	2-Jaw Yoke	1
J4250N	Reversible Adjusting Nut	1
J4260H	2-1/2 lbs. Slide Hammer	1
J4275R	Short Slide Rod	1

*Jaw capacity: 3 tons

BEARING SEPARATOR COMBO PACK

Product #: J5041



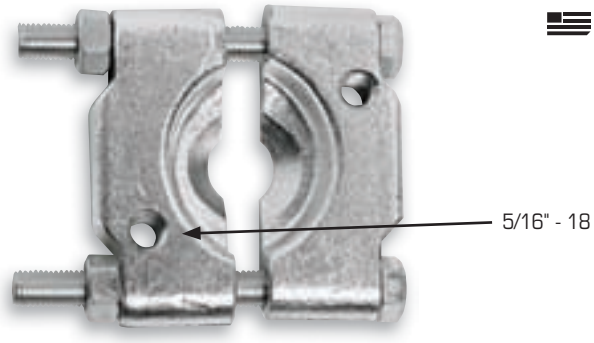
- This combo pack contains four of the most requested bearing separators plus a pulley pulling attachment.
- A rugged organizer case is included, enabling you to keep the tools together for instant use.
- Weight (lbs): 30.50

Description	Qty.
Bearing Separators:	
1/4" Min. - 15/16" Max. Spread	1
1/8" Min. - 2" Max. Spread	1
1/2" Min. - 4-5/8" Max. Spread	1
1/2" Min. - 9" Max. Spread	1
Pulley pulling attachment with a 1-3/4" Min. - 5-7/8" Max. Spread	1
Blow-Molded Case	1

PROTO-EASE™ GEAR AND BEARING SEPARATOR

Product #: J4330

- Capacity: 1-13/16".
- Weight (lbs): 0.07

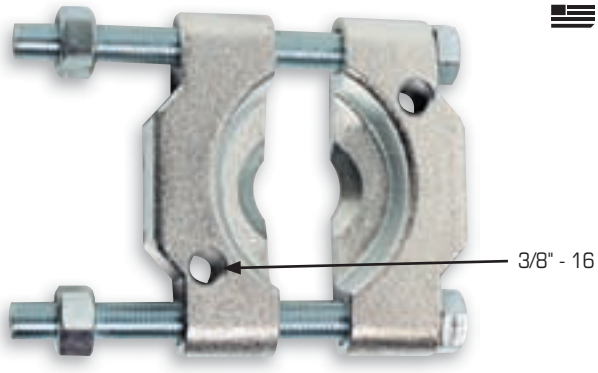


Contents	Description	Qty.
J4330N	Hex Nut, 5/16"-24 UNF	2
J4330P	Separator Plate, Size #0	2
J4330R	Cap Screw, 5/16"-24 UNF x 3"	2

PROTO-EASE™ GEAR AND BEARING SEPARATOR

Product #: J4331

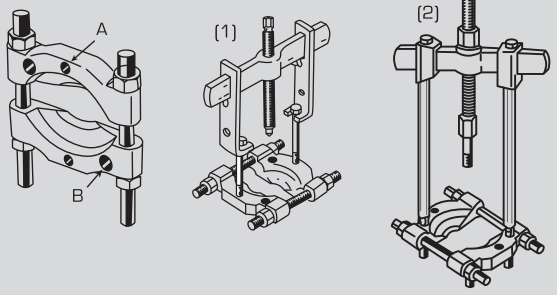
- Capacity: 2-13/32".
- Weight (lbs): 1.48



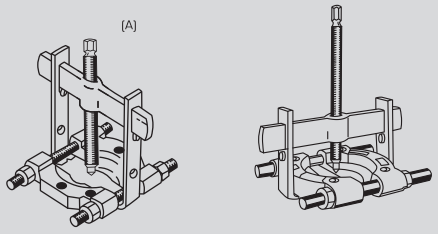
Contents	Description	Qty.
J4331N	Hex Nut, 7/16"-20 UNF	2
J4331P	Separator Plate, Size #1	2
J4331R	Cap Screw, 7/16"-20 UNF x 4-1/2"	2

OPERATIONAL FEATURES AND TYPICAL APPLICATIONS

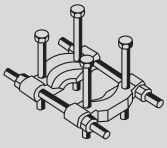
PROTO-EASE™ GEAR AND BEARING SEPARATORS



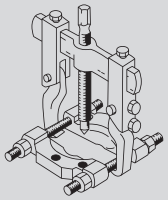
No. J4332 has two sets of drilled holes. One set (A) directly apart, has 1/2"-13 UNC thread, to accept common 1/2" cap screws—easily gripped with No. J4018 cap screw jaws (1). A second set (B), diagonally apart, has 5/8"-18 UNF threaded holes to accept Press-N-Pull™ leg ends (2).



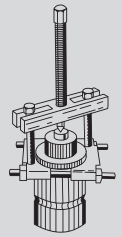
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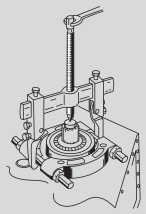
The larger separator, No. J4333 has 4-corner symmetrical jacking holes for 5/8"-18 cap screws. Permits separator action where space does not allow for puller accessories.



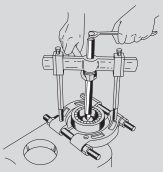
Adjustable jaws also grip separators directly—mid-point on the threaded rods. For positive grip, jaws may be angled, tips inboard, and locked in place, so as to "cradle" the rods.



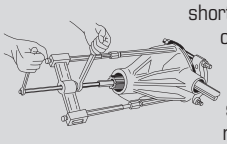
Proto-Ease™ No. J4330 separator with No. J4214 6 ton slotted crossarm puller—used to remove an electric motor commutator. The smallest of separators (size #0) has diagonally positioned threaded holes to accommodate size 5/16"-18 UNC cap screws—(Not included in the J4214 set).



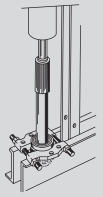
Proto-Ease™ No. J4333 separator with No. J4232E 10 ton adjustable jaw puller—used to remove the rear bearing from an output shaft. Thin, tapered separator edges fit behind bearings when space is too limited for puller jaws.



Proto-Ease™ No. J4333 separator with No. J4242 Press-N-Pull™ Puller—used to remove the rear bearing from an auxiliary countershaft. Separator plate threaded holes, and Press-N-Pull™ leg ends are threaded alike—with 5/8"-18 UNF. Hooks up fast for a positive, safe, non-slip grip.



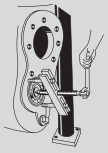
Proto-Ease™ No. J4333A separator and Press-N-Pull™ 2-way puller with medium and short legs. Used to press the pinion shaft out of a differential housing. Separator's extra long 13" threaded rods permit maximum separator plate spread—sufficient to straddle the differential housing and match the spread of Press-N-Pull™ slide blocks, extended to their maximum width along the crossarm.



Proto-Ease™ No. J4332 separator mounted on a shop forcing press, beneath a hydraulic press ram. Used to remove the bearing from a rear axle. Ram forces axle down through the separator opening, freeing the bearing. To protect the bearing and the gear beneath it, the separator is placed so the bearing rests on the flat side of the separator plates.

PROTO-EASE™ CAP SCREW PULLERS





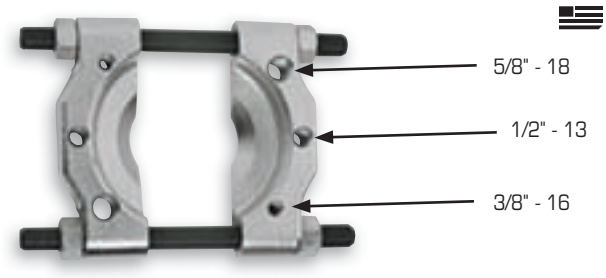
Proto-Ease™ No. J4214 6 ton slotted crossarm puller is used at top left to pull a gear from a crankshaft. Since both 3/8"-16x3" cap screws are threaded directly into the gear being pulled, the gear will pull off when the forcing screw's pressure is applied to the shaft. At bottom left, the same puller's cap screws are anchored on either side of an object being pushed out—in this case, a countershaft, pressed towards the rear, until it frees the front bearing.

PROTO-EASE™ GEAR AND BEARING SEPARATOR

Product #: J4332

- Capacity: 4-3/8".
- Weight (lbs): 5.57

Contents	Description	Qty.
J4332N	Hex Nut, 5/8"-18 UNF	4
J4332P	Separator Plate, Size #2	2
J4332R	Threaded Rod, 5/8"-18 UNF	2

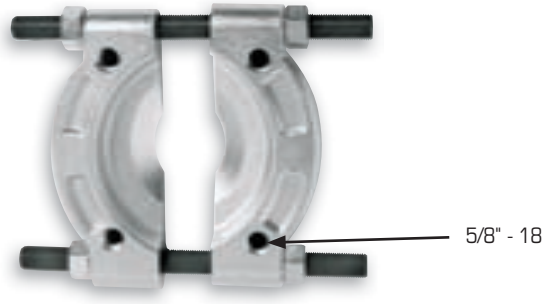


PROTO-EASE™ GEAR AND BEARING SEPARATOR

Product #: J4333

- Capacity: 6".
- Weight (lbs): 11.75

Contents	Description	Qty.
J4333N	Hex Nut, 3/4"-16 UNF	4
J4333P	Separator Plate, Size #3	2
J4333R	Threaded Rod, 3/4"-16 UNF x 10"	2

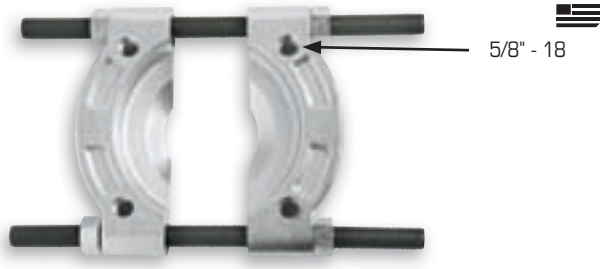


PROTO-EASE™ GEAR AND BEARING SEPARATOR

Product #: J4333A

- Capacity: 6".
- Weight (lbs): 12.50

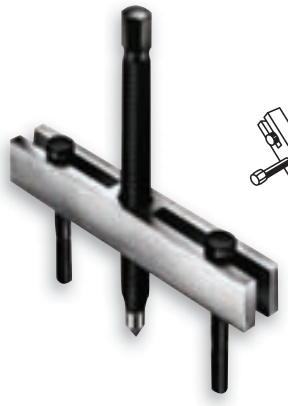
Contents	Description	Qty.
J4333N	Hex Nut, 3/4"-16 UNF	4
J4333P	Separator Plate, Size #3	2
J4333AR	Threaded Rod, 3/4"-16 UNF x 13"	2

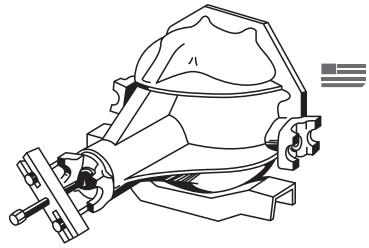


Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

6 TON 2-WAY THREADED PART PULLER

Product #: J4214





- Slotted crossarm puller used to remove a universal joint flange.
- Span 1-1/4" to 6-1/4" — Bolt Size: 3/8"-16 UNC x 3".
- Weight (lbs): 1.93

Contents	Description	Qty.
J4022TS	Small Detachable Tip	1
J4022T	Standard Detachable Tip	1
J4205S	Forcing Screw	1
J4206SC	Slotted Crossarm 2-Way	1
J4028	Cap Screw, 3/8"-16 UNC x 3"	2

11 PIECE STEP PLATE ADAPTER SET

Product #: J4040



- Includes Nos. J4040-1 thru J4040-11.
- Overall diameter 1" to 2-7/8".
- For bore diameter 3/4" to 2".
- Lower Step 3/4" to 2-3/8".
- Weight (lbs): 3.00

PULLER STEP PLATE ADAPTERS

- Provides forcing screw base for hollow shaft applications 3/4" to 2-3/8" bore.
- Protects bearings that are being pressed in shafts that are not center drilled.

Product #	Small Diameter (in)	Large Diameter (in)
J4040-1	3/4	1
J4040-2	7/8	1-1/8
J4040-3	1	1-1/4
J4040-4	1-1/8	1-3/8
J4040-5	1-1/4	1-5/8
J4040-6	1-3/8	1-3/4
J4040-7	1-1/2	1-7/8
J4040-8	1-5/8	2
J4040-9	1-3/4	2-1/8
J4040-10	1-7/8	2-3/8
J4040-11	2	2-1/2
J4040-12	2-1/8	2-5/8
J4040-13	2-1/4	2-3/4
J4040-14	2-3/8	2-7/8



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

2 JAW GEAR PULLER, 4"

- Weight (lbs): 1.00



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4033	4	3-1/2	4-3/4	3/8"-24	2 Ton

3 JAW GEAR PULLER, 4"

- Weight (lbs): 1.43



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4034	4	3-1/2	4-3/4	3/8"-24	2 Ton

2 JAW GEAR PULLER, 7"

- Weight (lbs): 2.19



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4035	7	5-1/2	7	9/16"-20	5 Ton

3 JAW GEAR PULLER, 8"

- Weight (lbs): 3.00



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4036	8	3-1/2	7	9/16"-20	5 Ton

2 JAW GEAR PULLER, 10"

- Weight (lbs): 4.75



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4037	10	9	9	11/16"-18	7 Ton

3 JAW GEAR PULLER, 11"

- Weight (lbs): 6.38



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4038	11	9	9	11/16"-18	7 Ton

BATTERY CABLE AND SMALL BEARING PULLER

- Uses toggle-type action to grip onto all standard post battery terminals.
- Pulls small bearings and gears with 1" reach and spread.



Product #	Weight (lbs)
J4041	0.65

3 JAW GEAR PULLER, 7" - REVERSIBLE

- Weight (lbs): 2.97



Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4046	7	5-1/2	7	9/16"-20	5 Ton

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3 JAW GEAR PULLER, 10" - REVERSIBLE

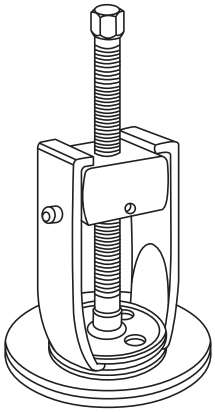


- Weight (lbs): 5.93

Product #	Maximum Spread (in)	Maximum Reach (in)	Forcing Screw Length (in)	Thread	Rating
J4047	10	5-1/2	9	11/16"-18	7 Ton

PULLEY PULLER

- For removing single and two-groove pulleys from alternators and power steering pumps.
- Two position yoke permits pulling bearings on both standard and heavy-duty alternators.





Product #	Weight (lbs)
J4053	2.10

CLOSE QUARTERS PILOT BEARING PULLER

- Designed to pull flywheel pilot bearings with inside diameters 1/2" to 1-1/2".
- Removes bearings and bushings from starters, generators, magnetos and small electric motors.



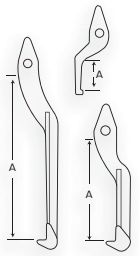
Product #	Weight (lbs)
J4059	2.30

JAWS

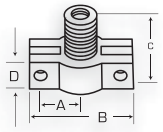
Product #	Description	Reach (in) (A)
J4056-2*	Inside Jaw, 2" Reach	1-11/16
J4056-4	Reversible Jaw, 4" Reach	3-3/4
J4056-6	Reversible Jaw, 6" Reach	6-1/16

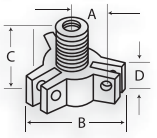
* 3 Ton





YOKE







Product #	Description	Length (in) (A)	Height (in) (C)	Height (in) (D)	Internal Thread	External Thread
J4250B	2-Jaw Yoke	11/32	2	3/4	5/8"-12 Acme	7/8"-14 UNF
J4255B	3-Jaw Yoke	11/32	2	3/4	5/8"-12 Acme	7/8"-14 UNF

CAP SCREW

- Weight (lbs): 2.19



Product #	Description	Thread	Overall Length (in)
J4205E	Cap Screw	3/8"-16 UNC x 4"	4
J4028	Cap Screw	3/8"-16 UNC x 3"	3
J4005C	Cap Screw	3/8"-24 UNF x 3"	3

PIVOT PIN - PULLER REPLACEMENT PART

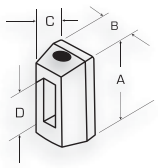
Product #	Description	Pin Diameter (in)	Overall Length (in)
J4056PN	Jaw Pivot Pin	5/16	1-11/32

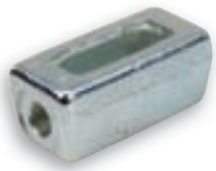
NOTE: J4056PN is also a 10 ton part.



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

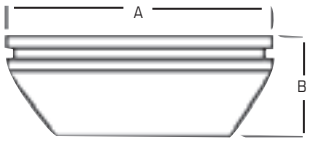
SLIDEBLOCK





Product #	Description	Length (in) (A)	Width (in) (B)	Depth (in) (C)	Internal Height (in) (D)
J4239SB	Slideblock	2-25/32	1-19/64	1-7/32	1-21/32

REVERSIBLE ADJUSTING NUT

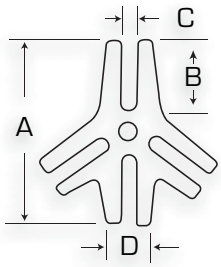




Product #	Description	Overall Diameter (in) (A)	Height (in) (B)	Thread
J4250N	Reversible Adjusting Nut	2-1/2	1-3/32	7/8"-14 UNF

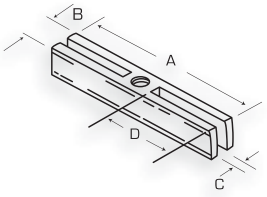
SLOTTED CROSSARM (2-WAY & 3-WAY)





Product #	Description	Length (in) (A)	Finger Length (in) (B)	Finger Internal Width (in) (C)	Finger External Width (in) (D)
J4205B	Slotted Crossarm (2-Way/3-Way)	5"	1-7/8"	25/64"	1-1/16"

SLOTTED CROSSARM THREADED 5/8" - 12 ACME

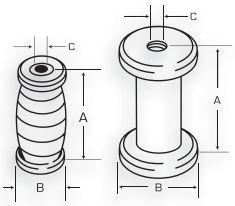




Product #	Description	Length (in) (A)	Width (in) (B)	Slot Width (in) (C)	Slot Depth (in) (D)
J4206SC	Slotted Crossarm Threaded 5/8"-12 Acme	6-3/4	1 Sq.	3/8	2-25/32

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

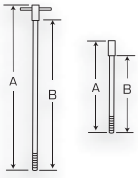
SLIDE HAMMER





Product #	Description	Height (in) (A)	Outside Diameter (in) (B)	Hole Diameter (in) (C)
J4260H	2-1/2 lbs. Slide Hammer	4	2	5/8
J4055H	5 lbs. Slide Hammer	5-5/16	3-1/4	5/8

T-HANDLE SLIDE RODS

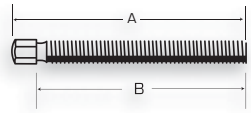




Product #	Description	Length (in) (A)	Thread Length (in) (B)	Shaft Diameter (in)	Thread
J4260R	Slide Rod	24	22	9/16	5/8"-12 Acme
J4275R	Short Slide Rod	12-3/4	10-3/4	9/16	5/8"-12 Acme

FORCING SCREW

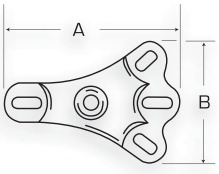
- Used with No. J4280S.





Product #	Description	Length (in) (A)	Thread Length (in) (B)	Hex (in)	Thread	Tip
J4205S	Forcing Screw	6-1/4	5-5/8	9/16	5/8"-12	Drilled for Replacement Tips J4022T, J4022TS, J4222T.
J4225S	Forcing Screw	10-1/4	9-1/4	3/4	3/4"-12	J4012T
J4235S	Forcing Screw	12	11-1/16	1/2	3/4"-12	J4012T

REAR AXLE FLANGE FOOT

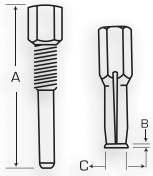




Product #	Description	Length (in) (A)	Width (in) (B)	Shaft Diameter (in)	Thread
J4277B	Rear Axle Flange Foot	6-3/4	4-5/8	5/8	5/8"-12

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

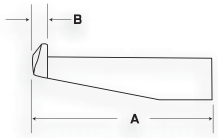
BLIND BEARING PULLER





Product #	Description	Length (in) (A)	Flange Size (in) (B)	Closed (in) (C)	Open (in) (C)
J4280B	Taper	3-1/8	—	—	—
	Collet	—	3/32	9/16" for 9/16" I.D.	49/64" for 11/16" I.D.

INSIDE HOOK JAW

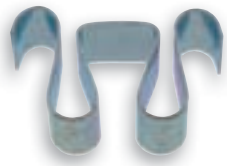




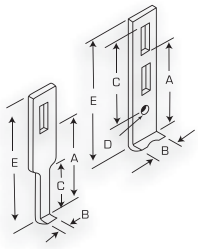
Product #	Description	Length (in) (A)	Tip Thickness (in) (B)	Internal Thread	Use With
J4256S	Inside Hook Jaw	2-7/8	3/32	5/8"-12 Acme	5/8" Hole (Min.)

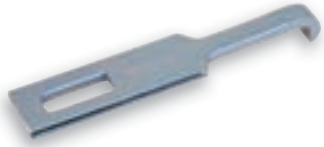
SPRING CLIP

Product #	Description	Acme Thread
J4021S	Spring Clip	J4026A, J4027
J4011S	Spring Clip	J4015, J4017, J4018



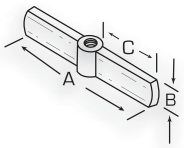
JAWS





Product #	Description	Reach (in) (A)	Width (in) (B)	Jaw Length (in) (C)	Diameter (in) (D)	Length (in) (E)
J4026A	Dual Reach Jaw	4 and 2	1-1/4	4	25/64	6
J4027	Long Narrow Jaw	4	1/2	2-1/16	—	6

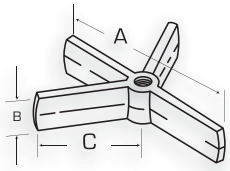
2-WAY CROSSARM THREADED 5/8" - 12 ACME





Product #	Description	Length (in) (A)	Height (in) (B)	Radius (in) (C)	Rating
J4206CA	2-Way Crossarm Threaded 5/8"—12 Acme	7	1-15/64	3-1/2	6 Ton
J4226CA	2-Way Crossarm Threaded 3/4"—12 Acme	11	1-5-/8	5-1/2	10 Ton

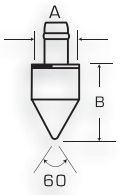
2-WAY/3-WAY CROSSARM THREADED 5/8" - 12 ACME





Product #	Description	Length (in) (A)	Height (in) (B)	Leg Length (in) (C)
J4208CA	2-Way/3-Way Crossarm Threaded 5/8"—12 Acme	7	1-15/64	3-1/2

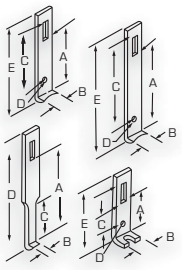
STANDARD TIP





Product #	Description	Taper	Shaft (in) (A)	Length (in) (B)	Use With Screws
J4012T	Standard Tip	60°	5/8	29/32	J4225S and J4235S

JAWS

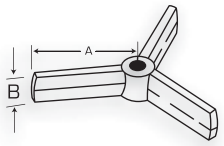




Product #	Description	Reach (in) (A)	Width (in) (B)	Length (in) (C)	Diameter (in) (D)	Overall Length (in) (E)
J4015	Short Jaw	4-11/16	1-1/2	5-1/8	25/64	7-9/16
J4016A	Dual Reach Jaw	7-1/8 and 4-11/16	1-1/2	7-3/8	25/64	10
J4017	Long Narrow Jaw	7-3/16	7/8	3-3/4	—	10
J4018	Cap Screw Jaw	2-15/16	1-1/2	3-9/16	25/64	5-7/8

3-WAY CROSSARM THREADED 3/4" - 12 ACME

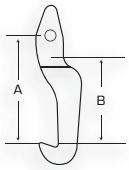
Product #	Description	Radius (in) (A)	Height (in) (B)
J4227CA	3-Way Crossarm Threaded 3/4" – 12 Acme	5-1/2	1-5/8





WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

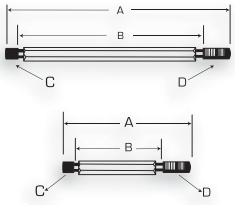
ADJUSTABLE REVERSIBLE JAW





Product #	Description	Length (in) (A)	Reach (in) (B)
J4230RJ	Adjustable Reversible Jaw	3-5/8	2-3/4

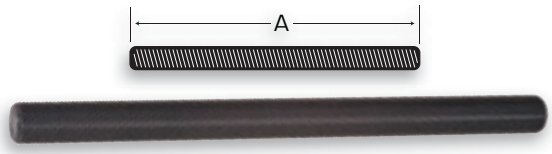
LEGS





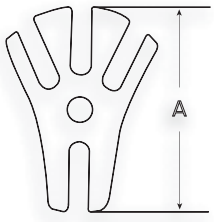
Product #	Description	Length (in) (A)	Shaft Length (in) (B)	Thread (C)	Thread (D)
J4240L	Medium Leg	14-3/16	12-19/64	1/2"-20 UNF	5/8"-18 UNF

SEPARATOR THREADED RODS



Product #	Length (in) (A)	Thread	For Separator
J4332R	8-1/2	5/8"-18 UNF	J4332
J4333R	10	3/4"-16 UNF	J4333

CROSSARM





Product #	Description	Length (in) (A)	Use with Rod Size
J4001B	Crossarm	6-5/8	1" – 8 TPI

FORCING SCREW



Product #	Description	Hex Head (in)	Thread	Overall Length (in)	Detachable Tip
J4012	Forcing Screw	3/4	3/4"-10	11-13/16	J4012T

NOTE: ALL PROTO-EASE™ forcing screws are coated at the factory with the latest aerospace dry film lubricant designed to increase screw life, reduce wear and torque required for screw turning. It is recommended that a few drops of medium grade oil (SAE 30 or equivalent) be added to screw threads prior to every use. Screw threads must be kept clean at all times.



YOUR FLEET IS ON THE MOVE. SO ARE YOU.

From trucks to lifters to haulers to movers to almost any vehicle on or off the road, you keep it all working well. Proto® keeps your equipment running well by providing a full line of equipment for Power Trains, Fluid Systems, Electrical System, Chassis, and Support Systems. This includes automotive speciality items like feeler gauges, compression testers, gasket scrapers, and ignition wrenches. Not to mention pullers and extrators of all kinds. We can even keep your shop moving smooth with covers, sliders, and boxes used to keep the work clean and organized. Proto tools are engineered to meet or exceed various government, ASME, and aerospace specificatons.

FLEET MAINTENANCE



Diagnostic Smoke Machine

PROTO

EVAP-APPROVED SMOKE MACHINE



- Patented UltraTraceUV™ the only OEM-approved dye.
- Auto shut-off.
- Auto-correct EVAP pressure.
- Works with nitrogen or shop air to meet all OEM test requirements for all makes and models.
- Easy, effective, versatile tool to help technicians diagnose EVAP trouble codes on domestic and import cars and light trucks.
- Uses patented UltraTraceUV™ technology — the only OEM-approved dye available.
- Works with nitrogen or shop air to meet all OEM test requirements.

Product #	Voltage	Width (in)	Overall Length (in)	Weight (lbs)
JFP521	12V	12-1/2	18	26.89

DIAGNOSTIC SMOKE MACHINE



- Full featured diagnostic capabilities.
- Compact and simple to use.
- EVAP approved.
- Works with shop air and uses mineral oil.

Product #	Voltage	Width (in)	Overall Length (in)	Weight (lbs)
JFP9510	12V	7	12	12.86

DIFFERENTIAL CYLINDER PRESSURE TESTER

Product #: JFP210M



- Locates internal engine problems such as bad rings, valves, and leaking head gaskets.
- Includes adapters for most applications (10 mm, 12 mm, and 18 mm).
- Rugged blow-molded case.
- Weight (lbs): 4.02

14 PIECE TRANSMISSION/OIL TESTER PRESSURE KIT



- Professional kit for domestic and foreign applications.
- High and low pressure gauges for transmission and engine work.
- Complete with adapters for most applications and is designed for static or road testing.
- Rugged blow-molded case.
- Includes:
  - M8 x 1.0 to 1/8" npt adapter
  - M10 x 1.0 to 1/8" npt adapter
  - M12 x 1.75 to 1/8" npt adapter
  - 1/8" npt x 2" male adapter
  - 1/4" npt male x 1/8" npt male
  - 1/8" npt female
  - 1/4" npt male/female
  - 3/8" npt male x 1/8" female
  - 1/8" npt male x 1/8" female
  - 1/16-27" nptf x 1/8-27" adapter

Product #	Graduation	Weight (lbs)
JFP460M	1 pound and 5 pound increment gauges	5.23

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE COMPRESSION TESTER SET

Product #: JFP70

- Complete compression testing on gasoline engines including domestic, foreign, motorcycle, marine, and small engines.
- Corrosion resistant nickel plated finish adapters for flat and tapered seat plugs.
- Professional quality gauge with zero adjust.
- 2-1/2" gauge features chrome bezel and rugged protective outer boot.
- Extra long 25" flex hose gauge assembly with quick coupler, allows for easy viewing out of cluttered engine compartment.
- Dual scale gauge reads 0-300 PSI and 0-2100 kg/cm².
- Rugged blow-molded case with removable lid.
- Includes:
  - 12" flex-14 mm standard reach hose
  - 12" flex-14 mm long reach hose
  - 10 mm, 12 mm, and 18 mm thread adapters
  - Repair kit
- Weight (lbs): 3.84



25 PIECE DELUXE COMPRESSION TEST KIT

Product #: JFP155

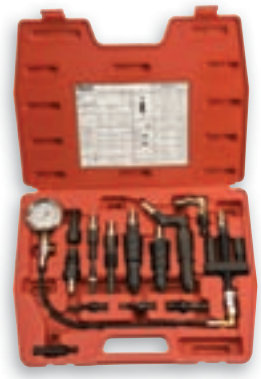
- Complete package for compression testing on gasoline engines.
- Complete kit includes standard and specialty adapters, including the deep well connector used on recessed plug well style heads and the Ford Triton™ engine adapter using 16 mm thread plugs.
- Includes: 14 mm deep well extension, 12 mm adapter, 18 mm adapter, and 16 mm compression tester adapters.
- Dual scale gauge reads 0-300 PSI and 0-2100 kg/cm².
- Rugged blow-molded case.
- Weight (lbs): 4.67



15 PIECE DIESEL COMPRESSION TESTER

Product #: JFP97315

- 2-1/2" dial, glycerine-filled gauge with glass lens in stainless steel housing.
- 4,500 PSI rated nylon jacketed pressure hose assembly.
- Dual scale - 0-1,000 PSI; Metric scale - 0-70 bar.
- Includes 13 piece adapter set (Deere and BMW adapters included).
- Easy to read identification marked on case and parts.
- Rugged blow-molded case.
- Weight (lbs): 11.38



CAMSHAFT BEARING TOOL

- Removes or inserts camshaft bearings in most engines from compact cars to heavy trucks.
- No problems with slightly undersize or oversize bearings.
- Range of 1-1/8" to 2-19/32" (28.58 mm - 68.3 mm).
- Rugged blow-molded case.

Product #	Opening Range (in)	Overall Length (in)	Weight (lbs)
JFP18A	1-1/8 to 2-19/32	30-19/64	16.51



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VACUUM FUEL PRESSURE SET

- Ideal for testing vacuum lines and components - quickly diagnose internal engine problems such as bad rings, valves, and leaking head gaskets.
- Accurately tests low-pressure fuel systems.
- Helps pinpoint hard-to-find problems such as cracked lines, PCV, fuel pump, fuel filters, and more.
- Professional dual scale gauge reads vacuum and pressure 0-30" Hg vac and 0-70 cm Hg, also reads 0-15 PSI and 0-100 KPA and offers zero adjust feature.
- Gauge has a large 3-1/2" face featuring a chrome bezel.
- Gauge is protected with a rugged outer boot.
- Built-in rear hook allows gauge to be hung at eye level.
- Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP3000	1 pound increment gauge	2.43



19 PIECE BASIC FUEL INJECTION TEST KIT

- For testing the fuel injection systems on most domestic (except GM TBI) and Japanese cars with Schrader type ports.
- Includes 3-1/2" gauge with a range of 0-145 PSI/0-1000 KPA.
- All adapters, gauge heads and hose assemblies feature a quick coupling system.
- Includes adapters to service many domestic, Japanese, and Marine applications.
- Easy to read identification marked on case and parts.
- Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP810B	1 pound and 5 pound increment gauges	3.46



51 PIECE FUEL INJECTION TEST KIT

- For testing the fuel injection systems on most domestic and foreign cars with Schrader type ports.
- Includes two gauges:
  - Large 3-1/2" gauge with a range of 0-145 PSI/0-1000 KPA
  - Medium 2-1/2" gauge with a range of 0-15 PSI/0-100 KPA
- All adapters, gauge heads, and hose assemblies feature a quick coupling system.
- Comes complete with rubber protectors for gauges, instructions, and adapters that will fit most domestic and foreign vehicle systems.
- Easy to read identification marked on case and parts.
- Rugged blow-molded case.

Product #	Graduation	Weight (lbs)
JFP1200MS	1 pound and 5 pound increment gauges	11.86



7 PIECE PNEUMATIC FAN CLUTCH WRENCH SET

Product #: JFP100

- Removes and installs fan clutch when repairing the water pump or fan clutch.
- Use with air hammer.
- Includes seven driving wrenches that fit Ford, GM, Chrysler, and Jeep. Sizes include: 7/8", 32 mm, 36 mm, 40 mm thin, 1-7/8", 2", and 47 mm.

Overall Length (in)	Weight (lbs)
18	8.03



COMPRESSION TESTERS

- Includes compression gauge, O-ring, and instructional pamphlet.
- JCTR10 includes:
  - Flexible hose and quick-disconnect coupler permit fast, easy engagement of threaded fitting into spark plug hole.
  - Gauge has convenient side release valve and dual reading scale for both PSI and metric values (0 to 300 PSI, 0 to 20 kg/cm²).
  - Equipped with neoprene "O" rings for positive finger-tight seal.
  - Includes adapters for regular 18 mm spark plugs and for regular and long 14 mm spark plugs.



Product #	Overall Length (in)	Weight (lbs)	Repair Kit
JCTR10	10-29/32	1.08	JCTR10RK
JCTR20	11-29/32	1.08	JCTR20RK

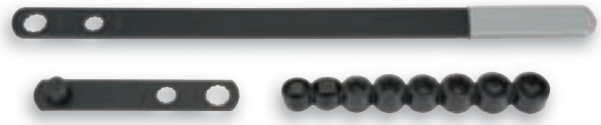
COMPRESSION GAUGE PARTS



Product #	Overall Length (in)	Use With	Weight (lbs)
JCTG1	3-1/2	JCT21, JCTR10	0.39
JCT21RK	7-3/16	JCT21	0.29
JCTR10-7A	7/16	JCTR10	0.01
JCTR10RK	22-5/16	JCTR10	0.80
JCTR20-4C	2-5/16	JCTR20	0.35
JCTR20RK	9-1/2	JCTR20	0.48

MASTER SERPENTINE BELT TOOL

- Spring-loaded idler pulley releases tension on serpentine belts.
- Use to remove and install belts on serpentine belt systems.
- Fits idler pulleys requiring 13 mm, 14 mm, 15 mm, 16 mm, 18 mm, 19 mm, hex, and both 3/8" and 1/2" square drive sizes.
- For applications with limited access; 13 mm and 16 mm, and 19 mm sockets are built into the handle.
- Covers most domestic and some foreign applications.
- Comes with extension for hard-to-reach idler pulleys.
- Eight low profile sockets and extensions help to fit into tight places.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP59800	2-1/2	2-13/64	24-13/32	2.36

ADJUSTABLE PIN SPANNER WRENCH

- Universal design fits many different types of pulleys having slots or holes, including camshaft and crankshaft pulleys.
- Wrench is adjustable from 1-1/4" to 5".
- Works with a 1/2" ratchet or breaker bar.



Product #	Opening Range (in)	Overall Length (in)	Weight (lbs)
JFP661	1-1/4 to 5	20-29/32	2.63

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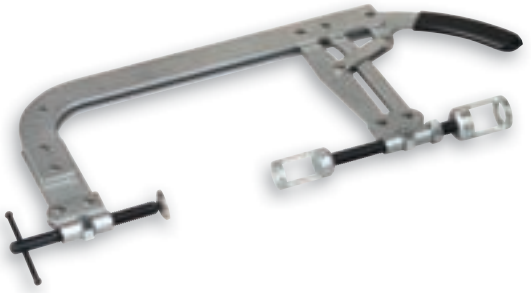
5 PIECE CAM CLAMP SET



- Master kit contains a dual Cam-Clamp and four Cam-Clamp singles.
- Use on single, dual, or quad overhead cam engines to hold valve timing during belt replacement.
- Kit provides coverage for all timing belt applications.
- Single Cam-Clamps lock gears individually.
- Miniature design is easy to use; installs in seconds.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP70900	13-1/2	2-3/4	17-1/4	0.78

LARGE VALVE SPRING COMPRESSOR



- Designed to compress valve springs on overhead valve engines.
- Direct action compressor lever provides high visibility of valve spring retainers located in difficult access areas.
- Includes two valve spring adapters, which fit valve spring retainers up to 1" (25 mm) and 1-3/16" (30 mm).
- Jaw opening of 1-3/8" to 5-5/8" (35 mm to 142 mm).
- Throat clearance of 5-7/8" (150 mm).

Product #	Jaw Opening (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFP572	5-5/8	8-19/64	1-7/16	16-51/64	5.27

17 PIECE FLARING TOOL COMBINATION KIT

Product #: JFP501



- Includes all adapters and tools necessary for single and double flaring (standard and metric) as well as the ISO (bubble) flare.
- Works on aluminum, copper, and soft steel.
- Not recommended for use on stainless steel.

Overall Length (in)	Weight (lbs)
9-1/2	3.82

BUDD WHEEL DEEP LENGTH IMPACT SOCKETS



- Stamped size for easy reference.
- Side locking hole.

Product #	Size (in)	Drive Size (in)	Drive End Outside Diameter (in)	Nut End Outside Diameter (in)	Overall Length (in)	Weight (lbs)
J07524-LS	1-1/2	3/4	1-5/8	2-1/4	4	3.12
J09924-LS	1-1/2	#5 Spline	2-3/8	2-3/8	4-3/16	3.10
J10024LS	1-1/2	1	2-3/8	2-3/8	4	2.96

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3/8" DRIVE SPARK PLUG SOCKETS - 6 POINT



- With rubber insert.

Product #	Size (in)	Drive Size (in)	Nut End Outside Diameter (in)	Overall Length (in)	Weight (lbs)
J5020-50	5/8	3/8	3/16	2-1/2	0.21
J5026HPA	13/16	3/8	19/64	2-3/4	0.35

3/8" DRIVE UNIVERSAL SPARK PLUG SOCKETS - 6 POINT



- With rubber insert.

Product #	Size (in)	Drive Size (in)	Drive End Outside Diameter (in)	Nut End Outside Diameter (in)	Nut Depth (in)	Overall Length (in)	Weight (lbs)
J5020-70A	5/8	3/8	23/32	27/32	5/16	3-19/64	0.26
J5026-50A	13/16	3/8	23/32	1-1/16	5/16	3-3/8	0.34

3/8" DRIVE EXTRA DEEP SPARK PLUG SOCKET



- Rubber retainer holds spark plug in place.
- Knurled for hand turning.

Product #	Size (in)	Size (mm)	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFED2032RD	5/8	15.9	3/8	6	4	0.71

9 PIECE SPARK PLUG SET



- Includes three different sizes and three different configurations most commonly used when working with spark plugs.
- 9/16", 5/8", and 13/16" spark plug sockets in standard, universal, and extra deep lengths.
- Chromed finish for easy clean-up and long-lasting corrosion protection.
- 3/8" square drive sockets feature a rubber insert to securely grab the spark plug.
- Each socket is knurled for easy hand turning.
- Rugged blow-molded case.

Product #	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFP9SET	3/8	6	12	5.50

9 PIECE SPARK PLUG SET - BLACK

- Includes three different sizes and three different configurations most commonly used when working with spark plugs.
- 9/16", 5/8", and 13/16" spark plug sockets in standard, universal, and extra deep lengths.
- Universal styles for most applications.
- 3/8" square drive sockets feature a rubber insert to securely grab the spark plug.
- Each socket features a knurl for easy hand turning.
- Black-oxide finish.
- Rugged blow-molded case.



Product #	Drive Size (in)	Point Size	Overall Length (in)	Weight (lbs)
JFP9BSET	3/8	6	14	5.26

SPARK PLUG BOOT PULLERS

- Allows for easy access to the spark plug boot.



Product #	Bend Angle	Height (in)	Overall Length (in)	Weight (lbs)
JFE600A	30°	1-19/32	15-13/32	0.89
JFE700A	40°	1-19/32	15-13/32	0.88

TAILPIPE AND EXHAUST CUT-OFF TOOL

- 15 mm diameter cutters.
- Cuts thick and thin walled pipe from 3/4" to 3-1/4" (19 mm to 83 mm) in diameter.
- 1/4 turn for complete cut.
- Cutting wheels on every pivot.



Product #	Capacity (in)	Overall Length (in)	Weight (lbs)
JFP770	3-1/4	14-1/2	1.14

STETHOSCOPE

- Fast, accurate method for locating trouble in engines.
- Determines if moving parts are worn, such as pistons, gears, valves, water pumps, gaskets, bearings, etc.
- Plastic ear protectors help reduce shop noise.
- Spring steel diaphragm for long use.
- Shock resistant handle.



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFP500A	2-3/32	14-29/32	0.47

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

13 PIECE IGNITION SET

Product #: J3200C

Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J000D	Ignition Feeler Gauge Set	
J235	Ignition Pliers	
J2302	Ignition Point File	
J9853	Screw Start	
66-101	Pocket Screwdriver	
J25TR10C	Tool Roll	

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 60° angle heads combined with the same opening size on both ends allows the wrench to be used in four different turning angles.
- Standard open end wrench configuration.
- Weight (lbs): 0.67

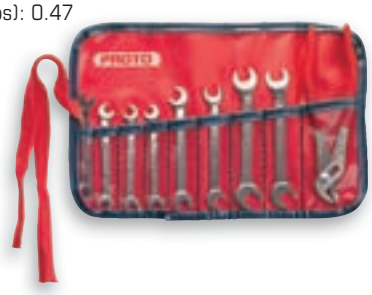


9 PIECE IGNITION SET

Product #: J3200D

Contents	Size (in)	Overall Length (in)
J3210	13/64 x 15/64	3
J3211	15/64 x 13/64	3
J3215	7/32 x 1/4	3
J3216	1/4 x 7/32	3
J3220	9/32 x 5/16	3-1/2
J3221	5/16 x 9/32	3-1/2
J3225	11/32 x 3/8	3-3/4
J3226	3/8 x 11/32	3-3/4
J235	Ignition Pliers	
J25TR09C	Tool Roll	

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 15° and 60° angle heads combined with the same opening size on both ends allow the wrench to be used in four different turning angles.
- Standard open end wrench configuration.
- Weight (lbs): 0.47



IGNITION POINT FILE

- Tungsten file for spark plugs, distributors, and other electrical contact points.
- Has chisel tip and smooth extended grip.

Product #	Overall Length (in)	Weight (lbs)
J2302	5-1/4	0.01



MIDGET ANGLE NOSE PLIERS

- Nose angled for easy access.
- Angled teeth provide superior gripping power over standard right angled teeth.
- Plastisol grips for added comfort.

Product #	Jaw Length (in)	Jaw Width (in)	Jaw Thickness (in)	Overall Length (in)	Weight (lbs)
J235	3/4	5/8	11/64	4-1/16	0.10



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GASKET AND CARBON SCRAPERS

- Angled blade for access into tight areas.
- Ideal for removing gaskets and carbon.
- Comfortable, four-sided handle.

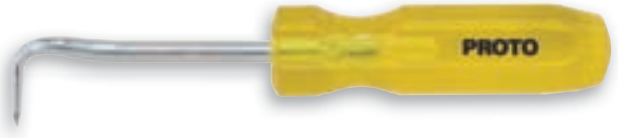
Product #	Blade Width (in)	Overall Length (in)	Weight (lbs)
J2336	1-1/2	12	0.30
J2338	1-1/16	11	0.38



COTTER PIN PULLER

- Precision formed curves provide excellent leverage in prying out cotter pins quickly and easily.
- Large plastic handle.

Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
J2306	3-7/16	7-3/4	0.25



PISTON RING COMPRESSOR

- Wide band has ratchet mechanism to prevent breakage and slippage.
- Includes "L" handle.

Product #	Diameter Minimum (in)	Diameter Maximum (in)	Height (in)	Weight (lbs)
J2316	2-1/8	5	3-1/2	0.70



5 PIECE OIL FILTER CUP WRENCH SET

Product #: JFFKIT5

- Filter cup wrenches will service 98% of the cars in the U. S. A.
- Made of super-strong nylon fiber composite that will withstand more torque than conventional metal filter wrenches.
- Metal insert in wrench.
- Includes:
  - 65/67 mm, 14 flute oil filter
  - 74/76 mm, 15 flute oil filter
  - 76 mm, 14 flute oil filter cup
  - 93 mm, 15 flute oil filter cup
  - 76/80/93 mm, 30/15/36 flute oil



Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
2-1/2	3-5/8	65	93	8-3/32	3	12	2.30

SELF-GRIPPING OIL FILTER WRENCH

- Use for removal and installation of oil filters.
- Filter sizes: 3-1/8" - 4-3/4" (80 mm-120 mm).
- 3/8" drive (also includes 1/2" drive adapter).



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFF120	3-1/8	4-3/4	80	120	3-29/32	3-19/64	4-13/64	1.51

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HEAVY-DUTY FILTER STRAP WRENCH

- Heavy-duty cordura strap for high-torque application requirements.
- For 3/8" and 1/2" ratchet or breaker bar use.
- Fits large oil filters up to 9" (228 mm) diameter.



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFF278	4	9	100	228	3-51/64	1-1/2	6-19/32	0.58

OIL FILTER WRENCHES

- Handle swivels to avoid obstructions.
- Stainless steel band for added strength.



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Overall Length (in)	Weight (lbs)
J3007	2-7/8	3-1/4	8	0.81
J3006	3-1/2	3-7/8	8-1/2	0.81
J3008	4-1/8	4-1/2	9-1/2	0.88

SWIVEL OIL FILTER WRENCH

- Stainless steel band with projection welds for strength and anti-corrosion.
- Heat-treated swivel handle adjusts to a wide arc of positions.
- Minimum grip: 4-1/8" (104.7 mm).
- Maximum grip: 4-7/16" (112.7 mm).
- Over 150 foot pounds of torque.



Product #	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Height (in)	Overall Length (in)	Weight (lbs)
JFF5325A	4-1/8	4-7/16	104.7	112.7	1	10	0.65

ADJUSTABLE OIL FILTER PLIERS

- Heavy-duty forged jaws with three contact points to grip stubborn oil filters.
- Textured grips for non-slip operation.



Product #	Opening Range (in)	Diameter Minimum (in)	Diameter Maximum (in)	Diameter Minimum (mm)	Diameter Maximum (mm)	Height (in)	Overall Length (in)	Weight (lbs)
JFF245B	2 to 4-1/4	2	4-1/4	51	107	29/32	11-29/32	1.00
JFF297	2-1/4 to 5	2-1/4	5	57	127	19/32	13-19/32	1.25
JFF287	3-3/4 to 7	3-3/4	7	94	178	1	19	3.28

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SPILL-FREE FUNNEL

Product #: JFF160



- Threaded cap and adapter for newer GM "threaded style" radiator openings.
- Eliminates trapped air pockets which can cause erratic cooling system and heater performance.
- Controls amount of coolant entering system and enables unattended filling of the cooling system.
- Eliminates squeaky belts caused by coolant overflow and protects the environment.
- Includes four adapters which fit most domestic and foreign vehicles and light trucks.
- Angled neck for use with radiator caps placed at an angle.
- Weight (lbs): 1.15

8 GALLON OIL LIFT DRAIN



- Quick-release lock ring for fast raising and lowering of upper tube.
- Total adjustment range of 22-1/2".
- Large 15" funnel with strainer.
- Heavy-duty clamp with height adjustment range of 15".
- Specially shaped container holds up to 8 gallons.
- Reinforced base will help prevent warping from hot oil.
- Large handles and big pour spout for easy pouring.
- 2-1/2" ball bearing wheels (4) swivel and roll easily.

Product #	Height (in)	Weight (lbs)
JFF11102	48-1/2	13.38

OIL PAN PLUG RETHREAD TOOL

Product #: JFF885



- Removes damaged thread and taps a new oversize thread.
- Unique tapping tool ensures the new thread will be perpendicular to the gasket surface and prevent leakage.
- Works on soft steel and aluminum oil pans with 1/2", 12 mm, and 14 mm threads.
- Includes:
  - 5 Magnetic plug and gaskets
  - Piloted drill assembly
  - Tap
  - Spacer
- Weight (lbs): 1.72

4 PIECE LOCKING HOSE CLAMP PLIERS SET



- Complete unique locking coolant system pliers set is ideal for one-person replacement of radiators, cooling lines, etc.
- Locking waffle-nose hose clamp pliers to access/open hard-to-reach flat band hose clamps (7" and 9").
- Locking hose pinch-off pliers to pinch and lock closed vent/radiator/vacuum/fuel hoses/lines (7" and 9").
- Packaged in sturdy nylon roll pouch.

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFFHC4	6-1/4	12-19/64	3.50

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RIGID-FLEXIBLE HOSE CLAMP PLIERS

Product #: JFFCP700



- Shaft holds position to connect to clamps.
- Extension for hard-to-reach radiator clamps.
- Flexible shaft helps reach difficult locations.
- Locking arm keeps clamps locked in open position.
- Weight (lbs): 1.35

PINCH-OFF PLIERS



- Patented clamping mechanism provides positive clamping without springs or adjustments.
- Tested to 50,000 cycles without failure.
- Heat-treated steel construction.
- Swivel mounted clamps adjust to provide parallel clamping operation.
- Cushioned hand grips.
- For pinching-off flexible fuel lines, brake lines, and vacuum hoses in cars, motorcycles, and engines of all kinds.

Product #	Jaw Opening (in)	Jaw Width (in)	Jaw Depth (in)	Throat Depth (in)	Throat Height (in)	Max. Jaw Capacity (in)	Overall Length (in)	Weight (lbs)
JFF554	3/4	2	1/2	1-1/2	1/2	3/4	5-1/2	0.19
JFF555	2	2	1/2	1-1/2	1/2	1-1/4	9-1/4	0.78
JFF556	2-1/2	2	1/2	2-1/2	1/2	2-1/2	13-3/4	1.25

UNIVERSAL RADIATOR ADAPTER

Product #: JFF4500



- Compatible with all brands of radiator pressure testers and reservoir tank systems.
- Offers 95% application coverage for most cars and light trucks.
- Durable hard body adapter does not require inflation or conditioning.
- Weight (lbs): 0.66

ETHYLENE GLYCOL ANTIFREEZE TESTER

Product #: JFF106A



- Professional size 16" disc-type antifreeze tester.
- Easy to read magnified plastic barrel.
- Tests all ethylene glycol based antifreeze including Dex-Cool®, hot or cold.
- The degree of coolant protection is indicated by the number of floating discs.
- Temperature compensating with Fahrenheit and Celsius scales from +32°F to -60° F.
- Weight (lbs): 0.46

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ANTIFREEZE TESTER

Product #: JFFCC3

- Compact, lightweight, and break-resistant.
- Easy to read plastic housing.
- Tests all ethylene glycol based antifreeze including Dex-Cool®, hot or cold.
- Temperature compensating with Fahrenheit and Celsius scales from +32°F to -60° F.
- Weight (lbs): 0.20



6 PIECE LARGE TRUCK COOLING SYSTEM ADAPTER SET

Product #: JFF600

- Compatible with most cooling system pressure generating pumps.
- Includes six cooling system adapters:
  - Large trucks with "B" half turn twist on filler neck
  - International, Freightliner, and others (52 mm x 2.5 mm)
  - Volvo trucks (63 mm x 3 mm)
  - Additional Volvo trucks (48 mm x 3 mm)
  - Freightliner trucks (60 mm x 3 mm)
  - Late model Kenworth and Peterbilt (52 mm x 2.5 mm)
- Weight (lbs): 5.24



23 PIECE COMPLETE AUTO COOLING SYSTEM TESTER

Product #: JFF1700

- For cars and light trucks.
- Pump attaches to filler neck.
- 17 adapters included (one is dual adapter).
- Adapter resembles cap from system being tested.
- Includes:
  - Complete pressure pump assembly with knob
  - Pressure gauge
  - Adapters
- Weigh (lbs): 15.36

Adapter Sizes
48 mm x 3 mm
45 mm x 3 mm
56.6 mm x 3 mm
52 mm x 3 mm
52 mm x 2.5 mm
63 mm x 3 mm
62 mm x 4 mm
52 mm x 3 mm
34 mm x 3 mm



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

4 PIECE COOLING SYSTEM PRESSURE TESTER

Product #: JFF730MA



- Tests all systems from 4 PSI to 30 PSI caps and 3 to 30 lbs. pressure range.
- Easy to read 2.5" gauge.
- Large barrel with a quick pump.
- Includes: 15" hose, head assembly, cap adapter, and instruction manual.
- Weight (lbs): 4.83

4 PIECE QUICK DISCONNECT TOOL KIT

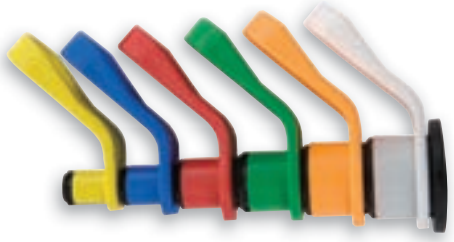


- Contains one each of all four sizes of Jiffy-Tite quick disconnect tools (3/8", 1/2", 5/8" and 5/8" 30%).
- Applications include light-duty GM cars, trucks, vans, SUVs, and medium-duty GM trucks.
- Rugged blow-molded case.

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFFJT4KIT	1-11/16	6-1/2	0.72

6 PIECE ANGLED DISCONNECT SET

Product #: JFFDS400



- Disconnects air conditioning, quick connect fuel lines, and spring lock couplings on Ford and Chrysler A/C lines.
- Works on fuel lines and other quick disconnect couplings on domestic and foreign vehicles.
- Angled handles to access tight spots.
- Made of durable plastic that resists fuels and solvents.
- Includes sizes: 5/16", 3/8", 1/2", 5/8", 3/4", and 7/8".

Height (in)	Overall Length (in)	Weight (lbs)
1-1/2	3	0.16

19 PIECE MASTER DISCONNECT SET

Product #: JFF5000



- A complete set of the most popular disconnect tools for AC, fuel, transmission, oil cooler, and air lines.
- A step above the JFF4000 Proto® Master Disconnect Set.
- Rugged blow-molded case.
- Includes:
  - 3/8" Jiffy-Tite® Disconnect
  - 1/2" Jiffy-Tite® Disconnect
  - Air line disconnect set
  - Low-Profile Fuel Line Disconnect Set
  - AC/Fuel Line Disconnect Set
  - Fuel Line Quick Disconnect for GM
  - Angled AC/Fuel Line Disconnect Set
  - 5/16" x 3/8" Scissor Disconnect
  - Coupler Disconnect
  - Ford Transmission Line Disconnect

Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
12-13/32	3	15	3.62

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21 PIECE MASTER DISCONNECT SET

Product #: JFF4000



- Low profile 3/8" flex fuel disconnect tool for disconnecting hard-to-reach and difficult fuel filters.
- Stepped disconnect tools fit transmission oil cooler lines on many Fords and other vehicles.
- Low-profile fuel module disconnect for GM works great on Suburban, Tahoe, and full-sized truck module applications.
- Coupler disconnect fits applications on transmissions, power steering, and radiators.
- Includes:
  - 6 Piece Angled Disconnect Set
  - 6 Piece Angled AC/Fuel Line Disconnect Set
  - Fuel Filter Disconnect for GM
  - Hairpin Disconnect
  - Fuel Line Quick Disconnect for GM
  - 5/16" and 3/8" Scissor Disconnect
  - Coupler Disconnect
  - Ford Transmission Line Disconnect Set

Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
8-1/2	2-3/32	11-51/64	1.68

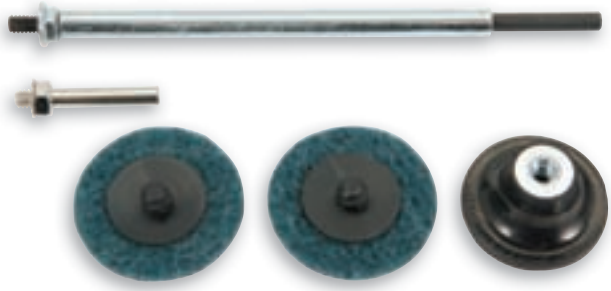
RATCHET-STYLE TUBING CUTTER



- High-impact fiberglass handle is lightweight and durable.
- Cuts copper, plastic, and PVC pipe from 1/8" to 3/8" (3.2 mm to 9.5 mm).
- Easily adjusts to fit pipe.

Product #	Capacity (in)	Overall Length (in)	Weight (lbs)
JFF375	3/8	6	0.27

THERMOSTAT GASKET CLEANER



- Cleans hard-to-reach gasket surfaces.
- Use with a die grinder to quickly clean gasket surfaces, oil pans, water pumps, and other inaccessible applications.
- Equipped with a floating guide shaft so user can steer the abrasive pad around the gasket surface.
- Use on oil pans, water pumps, and other gasket areas.

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFF2250	1-1/2	8	0.31

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

RATCHET PUMP

- Converts any 3/8" air ratchet to a fluid transfer pump.
- Fill or drain brake fluid, power steering fluid, transmission fluid, engine oil, coolant, gear oils, and more (Not approved or intended for use with gasoline or flammable fluids).
- Quick coupling fittings allow easy hose changes and no-drip storage of pump.
- Fast draw rates:
  - Transmission fluid 1L (34 oz.) in 40 seconds (8 mm)
  - 20/50 motor oil 1L (34 oz.) in 45 seconds (6 mm)
- Includes the ratchet pump, 39" 8 mm discharge hose, 31" 6 mm suction straw, 19" 8 mm suction hose packaged in a rugged blow-molded case (Air ratchet not included).



Product #	GPM/IPM	Overall Length (in)	Weight (lbs)
JFF910	36 ounces per minute	8	2.23

HOSE CLAMP PLIERS

- Installs and removes wire spring tension clamps.
- Two position jaws grip full range of clamp sizes.
- Plastisol grips for added comfort.



Product #	Overall Length (in)	Weight (lbs)
J252G	7-3/4	0.56

900 PEAK AMP ULTRA-PORTABLE JUMP STARTER

- Built-in battery charger (accepts standard 110v extension cords) with automatic overcharge protection.
- Built-in removable flashlight.
- 27" #4 AWG cables with full-size clamps.
- 9 amp-hour battery.
- Lightweight.
- 12v DC power socket to power accessories.



Product #	Voltage	Weight (lbs)
JFE5120	12V	10.00

6V/12V/24V FLEET CHARGER

- UL/CUL/CSA approved for indoor/outdoor use.
- 455 amp manufacturers boost rating.
- 255 amp UL continuous assist rating.
- 75-/65-/30 amp UL continuous rating.
- Automatic 90-minute timer with hold position.
- AC and DC circuit overload protected.
- Patented "Stop/Go Light".
- Heavy-duty chrome handle.
- Fan cooled.
- 500 amp rated clamps.



Product #	Voltage	Weight (lbs)
JFEH6006	6/12/24V	45.00

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12V/24V FLEET CHARGER

- Commercial quality jump starter designed for heavy-duty and over the road jump starting applications.
- Built-in automatic 10 Amp battery charger.
- 12/24 volt settings.
- 1400 Cold cranking amps in 12 volt mode.
- 800 Cold cranking amps in 24 volt mode.
- 10' Jumper cable leads (1/0 welding cable).

Product #	Voltage	Weight (lbs)
JFE14289	12/24V	52.00



6 PIECE BATTERY KIT

- Complete battery tool service kit with pouch.
- Includes:
  - Extra long 5/16" ratcheting terminal wrench
  - 5/16" standard length ratcheting terminal wrench
  - 10 mm standard length ratcheting terminal wrench
  - Battery pliers
  - 4-in-1 battery terminal cleaner
  - Battery puller/lifter

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFE6KIT	11-19/32	11-19/32	2.47



12 PIECE TERMINAL TOOL KIT

Product #: JFE96030

- Fits most GM computer connectors and terminals.
- Individually handled for easy access into tight places.
- Color coded for easy identification.
- Weight (lbs): 0.73

Red Anodized Handle	Green Anodized Handle
Tube, Spring-Loaded, 3.3 mm x 28.0 mm	Tube, 3.3 mm x 28.0 mm
Square Blade, 1.4 mm x 19.0 mm	Tube, 4.3 mm x 13.0 mm
Flat Blade, 1.5 mm x 24.75 mm	Tube, 3.75 mm x 13.0 mm
Flat Blade, 2.0 mm x 23.0 mm	Tube, 3.0 mm x 13.0 mm
Fork Blade, 8.0 mm x 24.0 mm	Flat Twin Blade, 3.0 mm
Flat Blade Screwdriver, 3/16" x 1"	Flat Twin Blade, 1.6 mm



AUTO MEMORY SAVER

- Prevents the loss of electronic memory when disconnecting the vehicle's battery.
- High visibility coiled cord stretches to 8 feet.
- Easy storage in tool box.
- OBD2 connection uses positive and ground pins only, will not interfere with fault codes.
- Coiled cord prevents tangles.
- In-line fuse.
- Cigarette lighter input - 12 volt power source not included.



Product #	Voltage	Width (in)	Height (in)	Cable Length (in)	Weight (lbs)
JFE28	12V	4	1-5/16	96	0.46

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

11 PIECE OXYGEN SENSOR SOCKET SET

- Master oxygen sensor and sending unit tool set.
- Includes:
  - 1/2" x 29 mm x 90 mm oxygen sensor socket
  - 3/8" x 7/8" x 90 mm oxygen sensor socket
  - 1/2" x 27 mm x 85 mm fuel injector socket
  - 3/8" x 7/8" x 80 mm vacuum switch socket
  - 3/8" x 1-1/16" x 74 mm oil sending unit socket
  - 3/8" x 7/8" x 50 mm oxygen sensor socket
  - 3/8" x 7/8" x 30 mm offset oxygen sensor wrench
  - 3/8" x 22 mm special tube socket
  - 2-1/8" offset oxygen sensor wrench
  - 3/8" deep oxygen sensor socket
  - Oxygen sensor thread chaser



Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFEOS11	9	15	8.10

BATTERY POST AND TERMINAL CLEANER

- Circular outer brush cleans contact area.
- Cleans cable end with cap removed.



Product #	Overall Length (in)	Weight (lbs)
J2320	3-15/16	0.14

BATTERY TERMINAL SPREADER AND REAMER

- Spreads and cleans clamps in one quick operation.
- Plastisol grips for added comfort.



Product #	Overall Length (in)	Weight (lbs)
J319	7-1/2	0.55

LARGE BED CREEPER

- Heavy-duty design supports a maximum load of 600 lbs. and a dynamic load capacity of 400 lbs.
- Extra-wide 19" x 43" contoured bed with pillowstyle raised headrest provides ample shoulder, hip, and head support.
- 1" diameter, welded and powder-coated steel tubular frame.
- 1-1/2" ground clearance.
- Six 3" industrial grade casters for easy movement on rough shop floors.



Product #	Capacity (lbs)	Width (in)	Overall Length (in)	Weight (lbs)
JFC600B	600	19	43	23.79

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SPIDER CREEPER

- 40" heavy-duty creeper.
- Full-size, comfortable, and tough.
- 400 lbs. capacity; sturdy and reliable for the most brutal shop environments.
- 1/2" ground clearance / 2" minimum height allows user to perform services beneath very low profile vehicles.
- Six 3" industrial grade casters for easy movement on rough shop floors.
- 1-1/2" powder coated steel constructed frame.



Product #	Capacity (lbs)	Width (in)	Overall Length (in)	Weight (lbs)
JFC400SPI	400	18	40	26.91

HEAVY-DUTY TOOL TROLLEY

- 500 lbs. seating capacity.
- 18" seating height.
- 1" chrome finished tubular steel constructed frame.
- 3" industrial grade hard floor casters, 2 with brakes.
- Comfortable 16" x 16" x 3-1/2" thick vinyl fabric over foam seat.
- Contoured 12" x 6" x 2-1/2" thick vinyl over foam back.
- 12" x 18" x 1-3/4" heavy-duty stamped steel tool tray.



Product #	Capacity (lbs)	Width (in)	Height (in)	Weight (lbs)
JFC1010	500	16	36	21.38

HEAVY-DUTY SHOP STOOL

- 300 lbs. seating capacity.
- 29" to 34" pneumatic gas lift seat height adjustment.
- Comfortable 14" diameter x 3-1/2" thick vinyl fabric over foam seat.
- Contoured 12" x 6" x 2-1/2" thick vinyl over foam back.
- Durable steel constructed seat control with dual 1" tubular steel back bars.
- Back depth adjustment.
- 1" chrome finished tubular legs with 18" diameter steel foot ring.



Product #	Capacity (lbs)	Width (in)	Height (in)	Weight (lbs)
JFC1011	300	14	44	24.02

FENDER COVER - HEAVYWEIGHT

- Expanded 115 gauge thick vinyl material.
- Grease and acid-resistant vinyl.
- Full length sewn in tool ridge.
- Textured grip back.
- Binding around outside edge for added durability.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFCHD1B	27	34-1/2	1.95

FENDER COVER - LIGHTWEIGHT

- Expanded 70 gauge vinyl material.
- Grease and acid-resistant vinyl.
- Full length sewn in tool ridge.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFCR2B	27	34-1/2	0.95

2 PACK FENDER COVER

- Plasticized vinyl-coated fender covers (2).
- Sturdy foam construction.
- Die-cut finished edge.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC100	24	36	2.79

TWIN ANGLE LIGHT

- Ergonomically designed body style.
- Comes with two premium 13W bulbs.
- 25' premium cord.
- Improved lens design allows for easy bulb changing.
- Internal ballast.
- Magnetic holder included.



Product #	Voltage	Lumens	Width (in)	Height (in)	Cord Length	Overall Length (in)	Weight (lbs)
JFC98468	120V	Rated up to 1660lm	4	2-1/2	25-foot	13-1/2	3.80

RECHARGEABLE LED CORDLESS SHOP LIGHT

- Molded-in handle grip and lens edge guard.
- Polycarbonate high-strength hook that swivels to keep light on the subject and away from your eyes.
- 30 super bright 100,000 hour flood light style LEDs.
- 1,000 charge cycle NiMh battery pack with 10-hour cordless use between charging.
- Smart charge indicator LED.
- 12V DC and 120V AC chargers included.



Product #	Voltage	Lumens	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
JFC4000	12V/110V	174.3	2-1/4	3	12	1.60	NiMh internal battery

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ALUMINUM LED/UV DUAL LIGHT

- Tough aluminum housing is anodized inside and out.
- Patterned, rugged handle for firmer grip and resists corrosion.
- Up to 100,000 hours of service.
- High-impact polycarbonate lens.
- Magnetic base.
- UL AC charger and 12V cigarette charger included.
- 1.5W LED flashlight head rated at 130 lumens.
- 33 bright white LED rated at 80 lumens.
- 20 UV LED rated at 390NM.



Product #	Diameter Maximum (in)	Voltage	Lumens	Overall Length (in)	Weight (lbs)	Battery Type
JFC98266D	1-45/64	12V/110V	1.5W LED flashlight head rated at 130 lumens; 33 bright white LED rated at 80 lumens; 20 UV LED rated at 390NM	15-1/2	1.05	NiMh internal battery

CONTINUOUS SHOT AIR GREASE GUN

- Heavy-duty cast aluminum body with comfortable cushion-grip.
- 3-way loading: bulk, 14 oz. cartridge, and filler pump.
- Bleeder valve for purging unwanted air.
- 40:1 ratio.
- Output per stroke: 2 ml.
- Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFC63HD	16-3/32	4.05

HEAVY-DUTY SINGLE SHOT AIR GREASE GUN

- Heavy-duty composite body with comfortable cushion-grip.
- 3-way loading: bulk, 14-oz. cartridge, and filler pump.
- Bleeder valve for purging unwanted air.
- 40:1 ratio.
- Output per stroke: 2 ml.
- Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFC53HD	16-13/32	3.22

HEAVY-DUTY PISTOL GRIP GREASE GUN

- 3-way filling: bulk, cartridge, or filler pump.
- 16 oz. bulk fill.
- 14 oz. standard cartridge.
- Heavy-duty 1.7 mm thick seamless barrel to avoid dents.
- Aluminum head reduces weight.
- Heavy-duty flexible 18" nylon hose and 6" metal spout for easy use.
- Output pressure: 3,600 PSI.



Product #	Overall Length (in)	Weight (lbs)
JFC33HD	16	3.86

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

SUCTION GUN

- Heavy-duty, 16 oz. capacity, 1.7 mm thick seamless barrel with textured finish.
- 12" clear flexible tube.
- Heavy-duty "T" handle with finger grooves for easy use.

Product #	Overall Length (in)	Weight (lbs)
JFC19HD	14-51/64	2.35



7 PIECE VACUUM/PRESSURE HAND PUMP KIT

- One-person brake bleeding kit, accessories are included to perform multiple vacuum and pressure tests on vehicle.
- Includes compound vacuum/pressure gauge with rubber protective boot.
- Switch between vacuum/ pressure at the turn of a switch – produces and measures vacuum or pressure with equal performance and precision.
- Single-hand vacuum/pressure release action allows multiple tests without disconnection.
- Dual hand pump has ergonomically designed handle for ease of operation.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JFC5000K	10-3/32	4-51/64	13-13/64	5.58



BEARING PACKER

- Flushes out old grease and re-packs bearings with less mess.
- Fits bearings up to 3-1/2" (outer diameter).
- Grease stays in tool cavity and off of your hands.
- Simplifies the process: Place the bearing on the piston; press down the cap until the old grease is forced out and the new grease shows on top.

Product #	Height (in)	Overall Length (in)	Weight (lbs)
JFC300	4	6	1.00



9 PIECE WHEEL TORQUE MASTER KIT

- Designed for use with a 1/2" drive impact wrench.
- Comes with a color wall chart and custom case.

Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1503	10-45/64	13-19/32	9.70



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5 PIECE WHEEL TORQUE EXTENSION KIT

- Designed to torque wheel nuts on foreign and domestic cars and light trucks.
- For use with thin wall or impact lug nut sockets.
- Includes wall chart and custom case.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1463	6-45/64	10-45/64	3.59

4 PIECE AMERICAN CAR WHEEL TORQUE KIT

- For work on American makes of cars, light trucks, and vans.
- Includes four torque sockets.



Product #	Width (in)	Overall Length (in)	Weight (lbs)
JFC1553	10-45/64	12-19/64	4.82

6 PIECE UNIVERSAL DISC BRAKE CALIPER SET

Product #: JFC2500MA

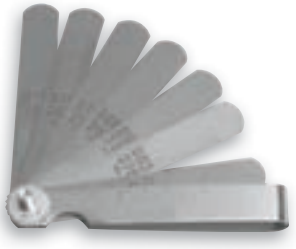
- Universal brake caliper tool set assists in the replacement of pads on most vehicles with 4-wheel disc brakes.
- Tool and adapters rotate brake pistons into calipers allowing clearance for newer, thicker brake pads.
- Five disc sizes to fit most domestic and foreign vehicles, covers most: Honda, Ford, GM, Jaguar, Mazda, Audi, Chrysler, Nissan, Toyota, VW, and Subaru 4-wheel disc brake systems.
- Hex end threaded bolt pushes adapter into caliper; smooth operation with wrench or socket.
- Rugged blow-molded case.
- Weight (lbs): 4.56



9 BLADE STANDARD FEELER GAUGE SET

Product #: J000A

- Contains 9 short 3 inch blades in steel holder.
- Sizes: .003", .004", .005", .006", .008", .010", .012", .015", .018".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.07



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

9 BLADE METRIC FEELER GAUGE SET

METRIC

Product #: J00MM9



- 1/2" x 3" metric blades in steel holder.
- Sizes: 0.06 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.50 mm, 0.60 mm.
- Weight (lbs): 0.09

15 BLADE METRIC FEELER GAUGE SET

METRIC

Product #: J00MM15



- 1/2" x 3" metric blades in steel holder.
- Sizes: 0.06 mm, 0.07 mm, 0.08 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.25 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.45 mm, 0.50 mm, 0.55 mm, 0.60 mm, 0.70 mm.
- Weight (lbs): 0.13

25 BLADE MASTER FEELER GAUGE SET

Product #: J000AA



- 1/2" x 3" blades in steel holder.
- Sizes: .0015" thru .040" except .019".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.19

25 BLADE METRIC FEELER GAUGE SET

METRIC

Product #: J00MM25



- 1/2" x 3" metric blades in steel holder.
- Sizes: 0.04 mm, 0.05 mm, 0.06 mm, 0.07 mm, 0.08 mm, 0.09 mm, 0.10 mm, 0.15 mm, 0.20 mm, 0.25 mm, 0.30 mm, 0.35 mm, 0.40 mm, 0.45 mm, 0.50 mm, 0.55 mm, 0.60 mm, 0.65 mm, 0.70 mm, 0.75 mm, 0.80 mm, 0.85 mm, 0.90 mm, 0.95 mm, 1.00 mm.
- Weight (lbs): 0.22

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22 BLADE STEP CUT FEELER GAUGE SET

Product #: J000N

- "Go / no-go" 1/2" x 3-5/16" blades in steel holder.
- Each blade has two different thicknesses.
- Sizes: .004/.006", .005/.007", .006/.008", .007/.009", .008/.010, .009/.011", .010/.012", .011/.013", .012/.014", .013/.015", .014/.016", .015/.017", .016/.018", .017/.019", .018/.020", .019/.021", .020/.022", .021/.023", .022/.024", .023/.025", .024/.026", .025/.027".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.19



11 BLADE BENT FEELER GAUGE SET

Product #: J000M

- 1/2" x 4" blades with a 1" bend in steel holder.
- Sizes: .006", .008", .010", .011", .012", .013", .014", .015", .018", .019", .020".
- Blades etched with both decimal size and metric equivalent.
- Blades are offset at a right angle to help protect hands from a hot manifold while setting an overhead value.
- Weight (lbs): 0.13



12 BLADE LONG FEELER GAUGE SET

Product #: J000SL

- 1/2" x 12" blades in steel holder.
- Sizes: .0015", .002", .003", .004", .005", .006", .008", .010", .012", .014", .015", .020".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.30



25 BLADE LONG FEELER GAUGE SET

Product #: J000TL

- 1/2" x 12" blades in steel holder.
- Sizes: .0015", .002", .003", .004", .005", .006", .007", .008", .009", .010", .011", .012", .013", .014", .015", .016", .017", .018", .019", .020", .021", .025", .027", .030", .040".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.72



6 BLADE NON-MAGNETIC FEELER GAUGE SET

Product #: J000BR

- Contains non-magnetic brass feeler blades for checking the air gap in electronic ignition systems for all weather conditions.
- 1/2" x 3" blades in steel holder.
- Sizes: .006", .008", .010", .012", .014", .016".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.08



SHORT BLADE HOLDER

Product #: J000C

- Large enough to accommodate all 26 short blades.
- Weight (lbs): 0.05



SHORT BLADE FEELER GAUGES

Product #	Blade Thickness (in)	Weight (lbs)
J0015	0.0015	0.01
J002	0.002	0.01
J003	0.003	0.01
J004	0.004	0.04
J005	0.005	0.01
J006	0.006	0.01
J007	0.007	0.01
J008	0.008	0.02
J009	0.009	0.01
J010	0.010	0.02



LONG BLADE FEELER GAUGES

Product #	Blade Thickness (in)	Weight (lbs)
J0015L	0.0015	0.01
J002L	0.002	0.01
J003L	0.003	0.03
J004L	0.004	0.01
J005L	0.005	0.01
J006L	0.006	0.02
J008L	0.008	0.02
J010L	0.010	0.02
J015L	0.015	0.03



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10 BLADE IGNITION FEELER GAUGE SET

Product #: J000D

- 1/4" x 1-3/4" blades in steel holder.
- Sizes: .013", .015", .017", .018", .020", .025", .030", .032", .035" .040".
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.06



16 BLADE OVERHEAD VALVE FEELER GAUGE SET

Product #: J000R

- 1/2" wide bent gauges for setting overhead valves.
- Sizes: .009", .010", .011", .014", .015", .016", .017", .018", .019", .020", .021", .023", .024" .025" .026", .027".
- Blades are bent at a 45° angle to help protect hands from a hot manifold while setting an overhead value.
- Blades etched with both decimal size and metric equivalent.
- Weight (lbs): 0.25



HIGH ENERGY SPARK PLUG GAP GAUGE SET

Product #: J000J

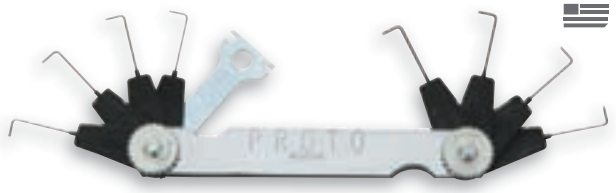
- For use in setting gaps and spark plugs with high energy ignition systems.
- Includes blade holder, electrode bender and six bent wire gauges in sizes .044", .045", .050", .054", .060", .080".
- Gauges marked with both decimal size and metric equivalent.
- Weight (lbs): 0.08



SPARK PLUG GAP GAUGE SET

Product #: J000K

- Spark plug electrode bender and eight bent wire gauges in sizes .020", .022", .025", .027", .028", .030", .035" .040".
- Gauges marked with both decimal size and metric equivalent.
- Weight (lbs): 0.07



FLEXIBLE RETRIEVING AND HOLDING TOOLS

- Designed to position or retrieve small objects.
- Spring-loaded plunger actuates jaws at end of flexible casing.

Product #	Overall Length (in)	Weight (lbs)
J2344	13-1/2	0.19
J2345	23-1/2	0.26



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FLEXIBLE MAGNETIC RETRIEVING TOOLS

- Retrieves small objects from hard-to-reach places.
- Push button allows reaching an object before energizing the magnet.



Product #	Lift Power (lbs)	Overall Length (in)	Weight (lbs)
J2377	1.50	19-1/2	0.27
J2378	3.00	24-1/2	0.37

POCKET MAGNETIC RETRIEVING TOOLS

- J2375 includes versatile telescoping handle and all-angle ball joint.
- J2376A has an aluminum head that contains a neodymium magnet that can lift up to 1-1/2 lbs., all angle ball joint, and a pocket clip.



J2375



J2376A

Product #	Overall Length (in)	Weight (lbs)
J2375	16-3/4 to 26-3/4	0.40
J2376A	8	0.08

INSPECTION MIRRORS

- Versatile all-angle ball joint.
- Features telescoping handle (J2372 and J2373).
- With pocket clip (J2373).



J2374



J2371



J2373

Product #	Mirror Shape	Mirror Size (L x W in)	Mirror Diameter (in)	Overall Length (in)	Weight (lbs)
J2370	Circular	–	7/8	7-1/2	0.08
J2374	Circular	–	1-1/4	8	0.09
J2371	Oval	1 x 2	–	8-3/4	0.08
J2372	Circular	–	2-1/4	10 to 14	0.25
J2373	Rectangular	2-1/8 x 3-1/2	–	11-1/4 to 15-1/2	0.30

ALL-PURPOSE BRAKE PLIERS

- Easily installs and removes brake shoe retaining spring on drum brakes.
- Socket end removes spring from anchor stud.
- Notched and installs spring on anchor.



Product #	Overall Length (in)	Weight (lbs)
J217	12-7/8	1.05

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FACOM® STUD EXTRACTORS EXTERNAL CAM/KNURL TYPE

- Turn extractor with a ratchet, wrench, or socket to engage the cam and stud, then pull out stud.
- 1/2" and 1/4" drive capacity.
- Knurled wheel grips stud when pressure is applied.
- Hex drive can be driven with wrench or ratcheting tool.
- Ideal for bolts with rusted, corroded, or stripped threads.
- Heavy-duty finish.



Product #	Drive Size (in)	Capacity (in)	Capacity (mm)	Overall Length (in)	Weight (lbs)
FA-286A	1/2	3/4	20	2-5/32	0.86
FA-286A.PL	3/4	1	27	2-15/16	2.11

FACOM® 5 PIECE STUD EXTRACTOR ROLLER SET

Product #: FA-287B.JS5

- 5 Stud drivers for sizes M6, M7, M8, M9 and M10.
- Supplied in a CKS rack.
- Weight (lbs): 2.58



Contents	Description	Overall Length (in)
FA-287B.6	Stud Extractor, Internal Cam/Roller Type M6	2-3/4
FA-287B.7	Stud Extractor, Internal Cam/Roller Type M7	2-3/4
FA-287B.8	Stud Extractor, Internal Cam/Roller Type M8	2-3/4
FA-287B.9	Stud Extractor, Internal Cam/Roller Type M9	3-5/32
FA-287B.10	Stud Extractor, Internal Cam/Roller Type M10	3-5/32

FACOM® STUD EXTRACTORS INTERNAL CAM/ROLLER TYPE

- Designed to grip studs using cam assemblies.
- Capacity ranging from 6-16 mm.
- 1/2" drive.
- Full polish finish.



Product #	Drive Size (in)	Capacity (in)	Capacity (mm)	Overall Length (in)	Weight (lbs)
FA-287B.6	1/2	13/32	6	2-3/4	0.38
FA-287B.7	1/2	15/32	7	2-3/4	0.38
FA-287B.8	1/2	9/16	8	2-3/4	0.38
FA-287B.9	1/2	5/8	9	3-5/32	0.56
FA-287B.10	1/2	1/4	10	3-5/32	0.55
FA-287B.12	1/2	9/32	12	3-5/32	0.53
FA-287B.14	1/2	5/16	14	2-15/16	0.76
FA-287B.16	1/2	11/32	16	2-15/16	0.69

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 3 PIECE NUT SPLITTER

Product #: FA-289

- Includes 19 mm and 30 mm Nut Splitters and Spare Screw.
- Supplied in a plastic tray.
- Weight (lbs): 1.19



FACOM® NUT SPLITTERS

- Removes frozen, corroded, or rusted nuts.
- Will not damage bolt threads.



Product #	Min. Screw Size (in)	Max. Screw Size (in)	Internal Diameter (in)	Internal Diameter (mm)	External Diameter (in)	External Diameter (mm)	Overall Length (in)	Weight (lbs)
FA-289.19	2	8	3/4	19	1-1/4	31	4-11/32	0.59
FA-289.36	16	20	1-7/16	36	2-7/16	62	8-1/16	2.50

FACOM® NUT SPLITTERS - SPARE SCREW



Product #	Overall Length (in)	Weight (lbs)
FA-289.V3	7-15/32	1.77

FACOM® MONKEY WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Sturdy, wide-opening tools for heavy-duty work on farms and building sites.
- Fixed jaw/handle and worm gear made from hardened steel.
- Smooth jaw faces help prevent marring of fastener surfaces.



Product #	Size (in)	Jaw Depth (in)	Jaw Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-105.230	2-3/8	1-25/32	25/32	19/32	9-1/16	1.15
FA-105.280	2-3/4	1-11/32	21/32	25/32	11-1/32	1.79
FA-105.375	3-1/8	1-25/32	7/8	7/8	14-23/32	3.36

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
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10 PIECE SCREW EXTRACTOR SET

Product #: J9500B



- Drive into end of broken pipe or fitting.
- Use tap holder or wrench on extractor to turn out broken part.
- Size stamped on extractor refers to drill bit size to be used with that extractor.
- Weight (lbs): 4.50

Contents	Description	Overall Length (in)
J9521	Screw, Extractor 1/8"	2-5/16
J9522	Screw, Extractor 3/16"	2-5/8
J9523	Screw, Extractor 7/32"	2-7/8
J9524	Screw, Extractor 5/16"	3
J9525	Screw, Extractor 3/8"	3-1/4
J9525B	Screw, Extractor 15/32"	3-7/8
J9526	Screw, Extractor 9/16"	4-1/4
J9527	Screw, Extractor 21/32"	4-7/8
J9528	Screw, Extractor 13/16"	5-3/8
J9529	Screw, Extractor 1-1/16"	5-1/2

5 PIECE SCREW EXTRACTOR SET

Product #: J9500A



- Drive into end of broken pipe or fitting.
- Use tap holder or wrench on extractor to turn out broken part.
- Size stamped on extractor refers to drill bit size to be used with that extractor.
- Weight (lbs): 0.28

Contents	Description	Overall Length (in)
J9521	Screw, Extractor 1/8"	2-5/16
J9522	Screw, Extractor 3/16"	2-5/8
J9523	Screw, Extractor 7/32"	2-7/8
J9524	Screw, Extractor 5/16"	3
J9525	Screw, Extractor 3/8"	3-1/4
J25TR49C	Tool Roll 5 Pockets	6-3/32

SCREW EXTRACTORS



- Drive into end of broken pipe or fitting.
- Use tap holder or wrench on extractor to turn out broken part.
- Size stamped on extractor refers to drill bit size to be used with that extractor.

Product #	U.S.S. (in)	Drill Size (in)	Diameter Minimum (in)	Diameter Maximum (in)	Overall Length (in)	Weight (lbs)
J9521	1/4, 5/16	1/8	1/8	3/16	2-5/16	0.02
J9522	3/8	3/16	11/64	3/16	2-5/8	0.02
J9523	7/16	7/32	13/64	1/4	2-7/8	0.05
J9524	1/2, 9/16	5/16	19/64	5/16	3	0.07
J9525	5/8	3/8	11/32	3/8	3-1/4	0.12
J9525B	3/4	15/32	1/8	1/8	3-7/8	0.18
J9526	7/8	9/16	1/2	1/2	4-1/4	0.29
J9527	1, 1-1/8	21/32	19/32	5/8	4-7/8	0.47
J9528	1-1/4, 1-3/8	13/16	23/32	3/4	5-3/8	0.72
J9529	1-1/2	1-1/16	31/32	1	5-1/2	1.30

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

10 PIECE BOLT EXTRACTOR SOCKET SET

Product #: J69X00

- The working end has a helical shaped flute to help grip rounded fasteners, round head bolts, and pan head screws.
- 3/4" Drive size.
- Weight (lbs): 0.86



Contents	Description	Overall Length (in)
J69X09	Extractor, Socket 7 mm, 1/4", 9/32"	1-1/16
J69X10	Extractor, Socket 8 mm, 5/16"	1-1/16
J69X11	Extractor, Socket 9 mm, 11/32"	1-1/16
J69X12	Extractor, Socket 3/8"	1-1/16
J69X13	Extractor, Socket 10 mm, 13/32"	1-1/16
J69X14	Extractor, Socket 11 mm, 7/16"	1-1/16
J69X15	Extractor, Socket 12 mm, 15/32"	1-1/16
J69X16	Extractor, Socket 13 mm, 1/2"	1-1/16
J69X18	Extractor, Socket 14 mm, 9/16"	1-1/16
J69X20	Extractor, Socket 15 mm, 16 mm, 5/8"	1-1/16

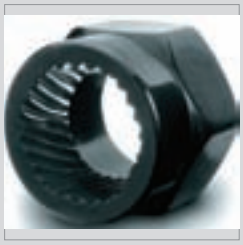
FEATURES AND BENEFITS — BOLT EXTRACTORS

- Easily remove rusted, rounded or damaged nuts and bolts.
- 18-30 teeth in a hexagonal configuration help grip rounded hexagonal fasteners, round head bolts and pan head screws.
- Low profile design helps gain access to fasteners in tight spaces.
- The non-working end can be turned with wrenches or sockets.
- Can be used in combination with other drive tools (such as extensions, universal joints or ratchets with short arc swings) to help reach fasteners in difficult locations.
- Through-hole design helps gain access to fasteners at the end of long bolts or studs.
- Sizes range from 1/4" - 5/8" and 7 - 16 mm. Each socket can turn multiple fastener sizes.
- Can be used on fractional or metric fasteners.





- Easily remove rusted, rounded or damaged nuts and bolts.





- Through-hole design helps gain access to fasteners at the end of long bolts or studs.

3/8" DRIVE 13 PIECE HAND IMPACT DRIVER SET

Product #: J7099A

- Designed to loosen hard to turn bolts and nuts.
- Hand impact driver has heavy-duty spring for added torque.
- Popular interchangeable bits are packaged in plastic blow-molded box for easy storage.
- Weight (lbs): 2.36

Contents	Description	Overall Length (in)
J7099	Driver, Hand Impact 3/8" DR 5-1/2"	5-1/2
J60002	Bit, Insert #1 Phillips® 1/4" Hex	1
J60008	Bit, Insert #2 Phillips® 1/4" Hex	1
J60020	Bit, Insert #3 Phillips® 1/4" Hex	1
J60202	Bit, Insert 3/16" Slotted 1/4" Hex	1
J60208	Bit, Insert 9/32" Slotted 1/4" Hex	1
J60050	Bit, Insert #1 Phillips® 5/16" Hex	1-1/4
J60052	Bit, Insert #2 Phillips® 5/16" Hex	1-1/4
J60054	Bit, Insert #3 Phillips® 5/16" Hex	1-1/4
J60256	Bit, Insert 3/16" Slotted 5/16" Hex	1-1/2
J60262	Bit, Insert 9/32" Slotted 5/16" Hex	1-1/2
J6930	Bit, Holder Power 3/8" DR 5/16" Hex	1-5/16
J6931	Bit, Holder Power 3/8" DR 1/4" Hex	1-1/4



BATTERY CABLE AND SMALL BEARING PULLER

- Uses toggle-type action to grip onto all standard post battery terminals.
- Pulls small bearings and gears with 1" reach and spread.

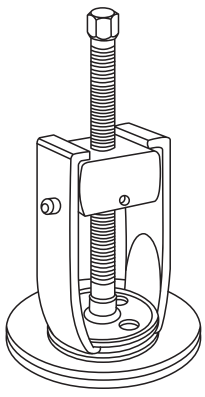
Product #	Weight (lbs)
J4041	0.65



PULLEY PULLER

- For removing single and two-groove pulleys from alternators and power steering pumps.
- Two position yoke permits pulling bearings on both standard and heavy-duty alternators.

Product #	Weight (lbs)
J4053	2.10





CLOSE QUARTERS PILOT BEARING PULLER

- Designed to pull flywheel pilot bearings with inside diameters 1/2" to 1-1/2".
- Removes bearings and bushings from starters, generators, magnetos, and small electric motors.



Product #	Weight (lbs)
J4059	2.30

10-WAY PROTO-EASE™ ADVANTAGE SLIDE HAMMER PULLER SET

Product #: J5040

- Slide hammer puller set packaged in a convenient plastic blow-molded carrying/storage case.
- Weight (lbs): 25.00

Description	Qty.
Hex Jam Nut (5/16"-24)	3
Hex Jam Nut (5/8"-18)	1
Hex Head Cap Screw (5/16"-24)	3
Puller Head	1
Adjusting Cone	1
Forcing Screw	1
2-Way Crossarm	1
Pulling Hook	1
Pulling Adapter-Machine	1
Pilot Bearing Puller Jaw	3
5 lbs. Slide Hammer	1
Puller Arm	1
Medium Puller Jaw	3
Long Puller Jaw	3
Self Tapping Screw	1
Adapter For Adjustable Jaw Wrench	1
Retainer	1
Shank and Tee Bar Assembly	1
Sleeve (5/8"-18)	1
Forcing Screw	1
Front Hub Remover	1
Blow-Molded Case	1



REVERSIBLE JAW SLIDE HAMMER PULLER

Product #: J5049

- Versatile puller which will accomplish many pulling jobs involving gears, bearings, outer races, grease retainers, oil seals, etc.
- Either two or three puller jaws may be used to handle "inside" pulling jobs such as bearing cups and outer racers, as well as regular "outside" pulling jobs.
- The 5 lbs. slide hammer can be removed and used independently.
- Weight (lbs): 11.00
- Overall Length: 27".



2-Jaw Spread				3-Jaw Spread			
Inside		Outside		Inside		Outside	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1-1/4"	3-1/2"	1"	4-1/2"	1-1/2"	4-1/4"	1-1/2"	4-1/2"



INDUSTRY RUNS ON ELECTRICITY, WHICH MAKES YOU A VITAL RELAY STATION.

Proto® knows you keep the lights on. Our electrical line includes more than 300 specialized tools to cut, crimp, bend, move, or secure wire and cable – and do it easier, faster, and safer. We also know you can't shut down an entire plant to fix a breaker panel. That's why the centerpiece of our electrical line is an extensive set of 1,000-Volt Insulated Tools — screwdrivers, pliers, cutting tools, wrenches, drive tools and keys — wrapped with a thick layer of plastic insulation and individually tested to 1000 V AC and 1,500 V DC. It's industrial strength electrical. Just like you.

ELECTRICAL TOOLS



Facom® Insulated VE Diagonal Cutters

PROTO

25 PC ELECTRICIAN'S TOOL SET

Product #: JTS-0025ELEC

- 25 Pieces.
- Contains: 1 Wrench, 1 Striking and Struck Tool, 6 Pliers, 6 Screwdrivers, 11 Miscellaneous Tools.
- Enhanced version of Proto® 90-732 Electrician's Tool Set.
- Weight: 20 lbs.



Representative Image; Contents May Differ

Contents	Description
J95230	Belt, Wide Web 2"
95-112W	Flashlight, Stanley® TriPod 20 LUMENS
20-001	Hacksaw, High Tension Low Profile 12"
15-809	Hacksaw, Metal Mini
51-505	Hammer, Jacketed Graphite Nailing CC 16 oz.
J18500	Knife, Electricians 3-3/4"
10-788	Knife, QuickChange™ Retractable Blade Utility
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J268G	Pliers, Lineman's with Grip 8-5/8"

Contents	Description
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
20-556	Saw, FatMax® Jab
66-565P	Screwdriver, 6 PC Stanley® Vinyl Grip
33-725	Tape Rule, FatMax® 1-1/4" x 25'
511150M	Tool Bag, FatMax® Technician 12"
J708G	Wrench, Adjustable, 8" Grip

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 39 PIECE 1000V VSE

Product #: FC-2184C.VSE

- For workshop or on-site electrical work.
- Supplied in case.
- Contains: 1 Wrench, 1 Striking and Struck Tools, 6 Pliers, 6 Screwdrivers, 11 miscellaneous Tools.
- Weight: 32.25 lbs.



Representative Image; Contents May Differ

Contents	Description
FA-412.14AVSE	Cutter, Cable 1000V VSE 9 in
FA-414.45AVSE	Cutter, Cable RCH 1000V VSE 1-3/4 in Diagonal
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-195.20AVSE	Pliers, Bentnose 1000V VSE 7-7/8"
FA-187.18AVSE	Pliers, Combo 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagnal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagnal Cutter 1000V VSE 6-1/2"
FA-190.16AVSE	Pliers, Endcutter 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flatnose 1000V VSE 6-1/2"
FA-180.VSE	Pliers, Multigrip 1000V VSE 10"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FM-DELA.401.00	Rule, Folding 2M
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slotted 7-7/8"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"

Contents	Description
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-A10X200VE	Screwdriver, 1000V 10 mm Slotted 12-3/4"
FW-AP1X100VE	Screwdriver, 1000V PH1
FW-AP2X125VE	Screwdriver, 1000V PH2
FW-AD1X100VE	Screwdriver, 1000V PZ1
FW-AD3X150VE	Screwdriver, 1000V PZ3
FT-701A	Tester, Multifunction
FT-BV.5A	Tool Briefcase 2184CVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2 in
FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm
FM-46.21AVSE	Wrench, Combination 1000V VSE 20 mm
FM-94T.8AVSE	Nut Driver, T-Handle 1000V VSE 8 mm
FM-94T.10AVSE	Nut Driver, T-Handle 1000V VSE 10 mm
FM-94T.13AVSE	Nut Driver, T-Handle 1000V VSE 13 mm

FACOM® 40 PIECE 1000V VSE

Product #: FC-2187C.VSE

- Supplied in leather case.
- Contains: 10 Sockets and Accessories, 9 Wrenches, 6 Pliers, 10 Screwdrivers, 6 Miscellaneous Tools.
- Weight: 19.6 lbs.



Representative Image; Contents May Differ

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4.5"
FT-BC.109VSE	Gloves, Leather Size 9"
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slotted 7-7/8"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-AP0X75VE	Screwdriver, 1000V PH0

Contents	Description
FW-AP1X100VE	Screwdriver, 1000V Round Bar #1 x 4"
FW-AP2X125VE	Screwdriver, 1000V Round Bar #2 x 5"
FM-R.10AVSE	Socket, 1/4" DR 1000V VSE 10 mm
FM-R.12AVSE	Socket, 1/4" DR 1000V VSE 12 mm
FM-R.6AVSE	Socket, 1/4" DR 1000V VSE 6 mm
FM-R.7AVSE	Socket, 1/4" DR 1000V VSE 7 mm
FM-R.8AVSE	Socket, 1/4" DR 1000V VSE 8 mm
FT-AV.HT1B	Scewdriver, Volt Test 90-480V
FT-701A	Tester, Multifunction
FT-BV.7A	Tool, Briefcase
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FM-46.11AVSE	Wrench, Combination 1000V VSE 11 mm
FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 28 PIECE 1000V VSE

Product #: FC-2185C.VSE

- Supplied in a case with modular storage.
- Basic general purpose tools supplied in a plastic box.
- Spare capacity for additional tools.
- Contains: 10 Sockets and Accessories, 1 Wrench, 6 Pliers, 7 Screwdrivers, 4 Miscellaneous Tools
- Weight: 16.51 lbs.



Representative Image; Contents May Differ

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-1/2"
FT-BC.109VSE	Gloves, Leather Size 9"
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagonal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FM-DELA.401.00	Rule, Folding 2 mm
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"

Contents	Description
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-AP1X100VE	Screwdriver, 1000V PH1
FW-AP2X125VE	Screwdriver, 1000V PH2
FT-AV.HT1B	Screwdriver, Voltage Test 90-480V
FM-R.6AVSE	Socket, 1/4 DR 1000V VSE 6 mm
FM-R.7AVSE	Socket, 1/4 DR 1000V VSE 7 mm
FM-R.8AVSE	Socket, 1/4 DR 1000V VSE 8 mm
FM-R.10AVSE	Socket, 1/4 DR 1000V VSE 10 mm
FM-R.12AVSE	Socket, 1/4 DR 1000V VSE 12 mm
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FT-BP.P26	Tool Box

FACOM® 9 PIECE 1000V VSE

Product #: FC-2180B.VSE

- Basic set for servicing workshop electrical gear.
- Supplied in leather case.
- Contains: 3 Screwdrivers, 4 Pliers, 2 Miscellaneous Tools.
- Weight: 4.12 lbs.



Representative Image; Contents May Differ

Contents	Description
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"

Contents	Description
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-AP1X100VE	Screwdriver, 1000V PH1
FT-BV.100	Tool Bag, Leather 2180BVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"

FACOM® INSULATED RATCHETS

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.151AVSE	1/4	4-7/8	0.28
FT-J.151AVSE	3/8	7	0.53
FT-S.151AVSE	1/2	10-3/8	1.24



FACOM® INSULATED T-HANDLES

- Sockets and accessories secured by spring-ball.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-J.121AVSE	3/8	8	0.85
FT-S.121AVSE	1/2	8-17/64	1.15



WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED EXTENSIONS

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.210AVSE	1/4	4-9/16	0.12
FT-J.210AVSE	3/8	5-29/32	0.33
FT-J.215AVSE	3/8	10-15/64	0.64
FT-S.210AVSE	1/2	5-45/64	0.55
FT-S.215AVSE	1/2	10-7/16	1.04



FACOM® 1/4" DRIVE 10 PIECE METRIC INSULATED SOCKET SET - 6 POINT

Product #: FC-R.400AVSE

- 1000V AC and 1500DC Insulated Socket Set
- Sockets: 6-12 mm
- Hex Bit Sockets: 4-6 mm
- Metric Size: Sockets: 6, 7, 8, 10, 12 mm
- Accessories: Ratchet and 4-9/16 Inch Extension.
- Weight (lbs): 1.47

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4 DR 1000V AC 4 mm 6 PT
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V AC 5 mm 6 PT
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V AC 6 mm 6 PT
FM-R.6AVSE	Socket, 1/4" DR 1000V AC 6 mm 6 PT
FM-R.7AVSE	Socket, 1/4" DR 1000V AC 7 mm 6 PT
FM-R.8AVSE	Socket, 1/4" DR 1000V AC 8 mm 6 PT
FM-R.10AVSE	Socket, 1/4" DR 1000V AC 10 mm 6 PT
FM-R.12AVSE	Socket, 1/4" DR 1000V AC 12 mm 6 PT
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-9/16"



FACOM® 3/8" DRIVE 9 PIECE INSULATED SOCKET SET - 12 POINT

Product #: FC-J.401AVSE

- 1000V AC and 1500DC Insulated Socket Set
- Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- Accessories: Ratchet, T-Handle, and Extension.Weight (lbs): 3.2

Contents	Description
FM-J.8AVSE	Socket, 3/8" DR 1000V VSE 8 mm
FM-J.10AVSE	Socket, 3/8" DR 1000V VSE 10 mm
FM-J.11AVSE	Socket, 3/8" DR 1000V VSE 11 mm
FM-J.12AVSE	Socket, 3/8" DR 1000V VSE 12 mm
FM-J.13AVSE	Socket, 3/8" DR 1000V VSE 13 mm
FM-J.14AVSE	Socket, 3/8" DR 1000V VSE 14 mm
FT-J.151AVSE	Ratchet, 3/8" DR 1000V VSE 7"
FT-J.210AVSE	Extension, 3/8" DR 1000V VSE 5-29/32"
FT-J.215AVSE	Extension, 3/8" DR 1000V VSE 10-1/4"



Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components

FACOM® 3/8" DRIVE 17 PIECE INSULATED SOCKET SET - 12 POINT

Product #: FC-J.401AVSE

- 1000V AC and 1500DC Insulated Socket Set
- Hex Bit Sockets: 4,5,6,7,8 mm
- Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- Accessories: Ratchet, T-Handle, and Extension.Weight (lbs): 4.96

Contents	Description
FM-JT.4AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 4 mm
FM-JT.5AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 5 mm
FM-JT.6AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 6 mm
FM-JT.7AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 7 mm
FM-JT.8AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 8 mm
FM-J.8AVSE	Socket, 3/8" DR 1000V VSE 8 mm
FM-J.10AVSE	Socket, 3/8" DR 1000V VSE 10 mm
FM-J.11AVSE	Socket, 3/8" DR 1000V VSE 11 mm
FM-J.12AVSE	Socket, 3/8" DR 1000V VSE 12 mm
FM-J.13AVSE	Socket, 3/8" DR 1000V VSE 13 mm
FM-J.14AVSE	Socket, 3/8" DR 1000V VSE 14 mm
FM-J.15AVSE	Socket, 3/8" DR 1000V VSE 15 mm
FM-J.17AVSE	Socket, 3/8" DR 1000V VSE 17 mm
FM-J.19AVSE	Socket, 3/8" DR 1000V VSE 19 mm
FT-J.121AVSE	T-Handle, 3/8" DR 1000V VSE
FT-J.151AVSE	Ratchet, 3/8" DR 1000V VSE 7"
FT-J.210AVSE	Extension, 3/8" DR 1000V VSE 5-29/32"



FACOM® 1/2" DRIVE 12 PIECE INSULATED SOCKET SET - 12 POINT

Product #: FC-S.400AVSE

- 1000V AC and 1500DC Insulated Socket Set
- Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- Accessories: Ratchet, T-Handle, and Extension.Weight (lbs): 5.4

Contents	Description
FM-S.8AVSE	Socket, 1/2 DR 1000V SE 8 mm
FM-S.9AVSE	Socket, 1/2 DR 1000V SE 9 mm
FM-S.10AVSE	Socket, 1/2 DR 1000V SE 10 mm
FM-S.11AVSE	Socket, 1/2 DR 1000V SE 11 mm
FM-S.12AVSE	Socket, 1/2 DR 1000V SE 12 mm
FM-S.13AVSE	Socket, 1/2 DR 1000V SE 13 mm
FM-S.14AVSE	Socket, 1/2 DR 1000V SE 14 mm
FM-S.17AVSE	Socket, 1/2 DR 1000V SE 17 mm
FM-S.19AVSE	Socket, 1/2 DR 1000V SE 19 mm
FT-S.151AVSE	Ratchet 1/2 DR 1000V SE 10-3/8"
FT-S.210AVSE	Extension 1/2 DR 1000V SE 5-3/4"
FT-S.215AVSE	Extension 1/2 DR 1000V SE 10-5/8"



FACOM® 1/4" DRIVE INSULATED SOCKETS - 6 POINT

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-R.6AVSE	6	5/8	55/64	55/64	0.04
FM-R.7AVSE	7	43/64	55/64	55/64	0.04
FM-R.8AVSE	8	43/64	55/64	55/64	0.04
FM-R.10AVSE	10	45/64	55/64	55/64	0.06
FM-R.12AVSE	12	55/64	55/64	55/64	0.07

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 1/4" DRIVE INSULATED HEX BIT SOCKETS

FACOM METRIC

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.

Product #	Size (mm)	Overall Length (in) (L)	Weight (lbs)
FM-RT.4AVSE	4	1-29/64	0.05
FM-RT.5AVSE	5	1-29/64	0.06
FM-RT.6AVSE	6	1-29/64	0.06



FACOM® 3/8" DRIVE METRIC INSULATED SOCKETS - 12 POINT

FACOM METRIC

- For manual use.
- For working on live components up to 1000V AC and 1500DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8AVSE	8	43/64	45/64	1-11/16	0.08
FM-J.10AVSE	10	25/32	45/64	1-11/16	0.08
FM-J.11AVSE	11	53/64	45/64	1-13/16	0.08
FM-J.12AVSE	12	55/64	45/64	1-13/16	0.09
FM-J.13AVSE	13	29/32	45/64	1-13/16	0.10
FM-J.14AVSE	14	63/64	45/64	1-13/16	0.10
FM-J.15AVSE	15	63/64	45/64	1-13/16	0.11
FM-J.16AVSE	16	1-1/16	45/64	1-13/16	0.13
FM-J.17AVSE	17	1-1/16	45/64	1-13/16	0.15
FM-J.18AVSE	18	1-9/64	45/64	1-13/16	0.16
FM-J.19AVSE	19	1-7/32	45/64	1-31/32	0.16

FACOM® 3/8" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT

FACOM METRIC



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8LAVSE	8	3/4	45/64	2-31/64	0.10
FM-J.13LAVSE	13	55/64	45/64	2-31/64	0.17
FM-J.14LAVSE	14	29/32	45/64	2-23/64	0.18
FM-J.16LAVSE	16	29/32	45/64	2-63/64	0.27
FM-J.17LAVSE	17	63/64	45/64	2-63/64	0.33
FM-J.18LAVSE	18	1-1/16	45/64	2-63/64	0.37
FM-J.19LAVSE	19	1-7/64	45/64	2-63/64	0.33

FACOM® 3/8" DRIVE INSULATED HEX BIT SOCKETS

FACOM

- For manual use.
- For working on live components up to 1000V AC and 1500 DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-JT.4AVSE	4	25/64	45/64	3-5/32	0.10
FM-JT.5AVSE	5	25/64	45/64	2-9/16	0.10
FM-JT.6AVSE	6	25/64	45/64	2-9/16	0.10
FM-JT.7AVSE	7	25/64	45/64	2-9/16	0.11
FM-JT.8AVSE	8	25/64	45/64	2-3/4	0.13
FM-JT.10AVSE	10	25/64	45/64	2-3/4	0.13

FACOM® 1/2" DRIVE METRIC INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.8AVSE	8	43/64	55/64	2-5/32	0.14
FM-S.9AVSE	9	45/64	55/64	3-5/32	0.15
FM-S.10AVSE	10	3/4	55/64	2-5/32	0.14
FM-S.11AVSE	11	25/32	55/64	2-5/32	0.15
FM-S.12AVSE	12	55/64	55/64	2-5/32	0.15
FM-S.13AVSE	13	29/32	55/64	2-5/32	0.16
FM-S.14AVSE	14	15/16	55/64	3-5/32	0.16
FM-S.17AVSE	17	1-7/64	55/64	2-5/32	0.18
FM-S.19AVSE	19	1-17/64	55/64	2-5/32	0.20
FM-S.21AVSE	21	1-19/64	55/64	2-5/32	0.23
FM-S.22AVSE	22	1-11/32	55/64	2-5/32	0.25

FACOM® 1/2" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.12LAVSE	12	55/64	55/64	3-1/32	0.39
FM-S.13LAVSE	13	29/32	55/64	3-1/32	0.39
FM-S.14LAVSE	14	15/16	55/64	3-1/32	0.39
FM-S.16LAVSE	16	1-1/16	55/64	3-1/32	0.39
FM-S.17LAVSE	17	1-3/32	55/64	3-1/32	0.39
FM-S.18LAVSE	18	1-5/32	55/64	3-1/32	0.47
FM-S.19LAVSE	19	1-1/4	55/64	3-1/32	0.52

FACOM® 1/2" DRIVE INSULATED HEX BIT SOCKETS



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in)(L)	Weight (lbs)
FM-ST.8AVSE	8	5/16	55/64	2-3/4	0.19
FM-ST.10AVSE	10	25/64	55/64	2-3/4	0.19
FM-ST.12AVSE	12	15/32	55/64	3-5/8	0.31
FM-ST.14AVSE	14	35/64	55/64	3-5/8	0.34
FM-ST.17AVSE	17	43/64	55/64	3-5/8	0.37

FACOM® INSULATED BOX WRENCHES - 12 POINT

FACOM
METRIC

- Insulated to 1000V or 1500 DC.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6, and 12 point fasteners.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
FM-55.8AVSE	8	5/8	5/16	5/8	6-1/32	0.12
FM-55.9AVSE	9	43/64	23/64	43/64	6-1/2	0.13
FM-55.10AVSE	10	3/4	23/64	43/64	6-5/16	0.12
FM-55.11AVSE	11	25/32	25/64	3/4	6-11/16	0.15
FM-55.12AVSE	12	53/64	7/16	25/32	6-7/8	0.23
FM-55.13AVSE	13	29/32	15/32	25/32	7-3/32	0.22
FM-55.14AVSE	14	63/64	15/32	53/64	7-15/32	0.27
FM-55.15AVSE	15	1-1/32	15/32	53/64	7-11/16	0.29
FM-55.16AVSE	16	1-1/16	33/64	1-1/32	8-1/16	0.34
FM-55.17AVSE	17	1-3/16	35/64	1-1/16	7-7/8	0.34
FM-55.18AVSE	18	1-3/16	35/64	1-1/16	8-7/8	0.46
FM-55.19AVSE	19	1-17/64	35/64	1-1/16	9-1/4	0.49
FM-55.21AVSE	21	1-3/8	5/8	1-7/32	10-1/32	0.75

FACOM® INSULATED VSE METRIC OPEN END WRENCHES

FACOM
METRIC

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Specific heat treatment and oiled quenching achieve core hardness without embrittlement or distortion.
- Size tolerances applied by Facom® exceed standard specifications.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
FM-46.8AVSE	8	55/64	7/8	4-23/32	0.07
FM-46.9AVSE	9	15/16	5/16	4-29/32	0.09
FM-46.10AVSE	10	63/64	31/32	5-1/8	0.11
FM-46.11AVSE	11	1-9/64	1-5/32	5-5/16	0.12
FM-46.12AVSE	12	1-3/16	1-3/16	5-5/16	0.14
FM-46.13AVSE	13	1-17/64	1-1/4	5-29/32	0.17
FM-46.14AVSE	14	1-11/32	1-11/32	6-5/16	0.20
FM-46.15AVSE	15	1-27/64	1-13/32	6- 5/16	0.20
FM-46.16AVSE	16	1-1/2	1-1/2	6-11/16	0.26
FM-46.17AVSE	17	1-39/64	1-5/8	7-3/32	0.29
FM-46.18AVSE	18	1-21/32	1-21/32	7-3/32	0.33
FM-46.19AVSE	19	1-49/64	1-25/32	7-11/16	0.34
FM-46.21AVSE	21	1-31/32	35/64	7-9/32	0.40

FACOM® INSULATED ADJUSTABLE WRENCHES

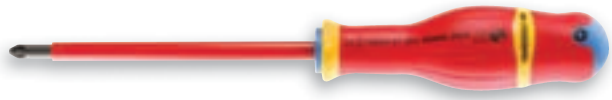
- Finger stops help keep hands safe.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity is compromised.
- Graduated head, 15° angle.
- Burnished finish.
- Thumbwheel rotates counterclockwise.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
FA-113.8TAVSE	1-1/16	8-15/32	0.83
FA-113.10TAVSE	1-3/16	10-7/16	1.37
FA-113.12TAVSE	1-11/32	12-19/32	1.93
FA-113.15TAVSE	1-47/64	15-9/16	3.12

FACOM® INSULATED SCREWDRIVERS

- Designed for working on live components up to 1000V AC and 1500V DC.



Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-AD0X75VE	PZ0	Pozidriv®	3	Round	7	0.10
FW-AD1X100VE	PZ1	Pozidriv®	4	Round	8-1/4	0.16
FW-AD3X150VE	PZ3	Pozidriv®	6	Round	10-53/64	0.43
FW-AP0X75VE	0	Phillips®	3	Round	7	0.10
FW-AP1X100VE	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	2	Phillips®	5	Round	9-3/4	0.28
FW-AP3X150VE	3	Phillips®	6	Round	10-3/4	0.43
FW-AP4X200VE	4	Phillips®	8	Round	13	0.61
FW-A10X200VE	10	Cabinet	7-7/8	Round	12-3/4	0.61
FW-A12X250VE	12	Cabinet	9-7/8	Round	14-3/4	0.89
FW-A2.5X50VE	2.5 mm	Cabinet	2	Round	5-7/8	0.06
FW-A2.5X75VE	2.5 mm	Cabinet	3	Round	6-7/8	0.06
FW-A3.5X100VE	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A3.5X75VE	3.5 mm	Cabinet	3	Round	6-7/8	0.11
FW-A3X75VE	3 mm	Cabinet	3	Round	6-7/8	0.10
FW-A4X100VE	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A4X150VE	4 mm	Cabinet	5-7/8	Round	9-7/8	0.17
FW-A5.5X125VE	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A5.5X150VE	5.55 mm	Cabinet	5-7/8	Round	10-1/8	0.21
FW-A5.5X200VE	5.5 mm	Cabinet	7-7/8	Round	12-1/2	0.21
FW-A6.5X150VE	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-A6.5X200VE	6.5 mm	Cabinet	7-7/8	Round	12-1/2	0.35
FW-A8X150VE	8 mm	Cabinet	5-7/8	Round	10-1/2	0.43
FW-A8X200VE	8 mm	Cabinet	7-7/8	Round	12-3/4	0.48

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® 8 PIECE 1000V INSULATED SCREWDRIVER SET

Product #: FW-M0D.A1VE



- Set includes: PZ1, PZ2, 1, 2, 3.5 mm, 4 mm, 5.5 mm, and 6.5 mm sizes.
- Designed for working on live components up to 1000V AC and 1500V DC.
- Ergonomically designed, Bi-Material handle.
- Strong, comfortable grip for high torque action.
- Carbon silicon steel blade for strength.
- Black tip to retain the dimensional accuracy of the machined tip.
- Weight (lbs): 2.34

Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-A3.5X100VE	Screwdriver, Round Bar Slotted 3.5 mm x 4"	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A4X100VE	Screwdriver, Round Bar Slotted 4 mm x 4"	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A5.5X125VE	Screwdriver, Round Bar Slotted 5.5 mm x 5"	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A6.5X150VE	Screwdriver, Round Bar Slotted 6.5 mm x 5-7/8"	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-AP1X100VE	Screwdriver, Round Bar #1 x 4"	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	Screwdriver, Round Bar #2 x 5"	2	Phillips®	5	Round	9-3/4	1.50
FW-AD1X100VE	Screwdriver, Pozidriv® Round Bar PZ1 x 4"	PZ1	Pozidriv®	4	Round	8-1/4	0.16
–	Screwdriver, Pozidriv® Round Bar PZ2 x 5"	PZ2	Pozidriv®	5	Round	9-3/4	1.50

INSULATED NUT DRIVERS

- Insulated to 1000V AC or 1500 DC.



Product #	Size (in)	Length (in)	Weight (lbs)
FM-71.1AVSE	6x8 10x12	6	0.36
FM-71.2AVSE	6x9 11x13	6	0.54
FM-71.3AVSE	8x10 12x14	6	0.56

INSULATED T-HANDLES

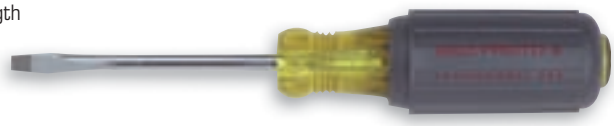
- Insulated to 1000V AC or 1500 DC.



Product #	Size (mm)	Length (in)	Weight (lbs)
FM-94T.6AVSE	6	5-3/4	0.33
FM-94T.8AVSE	8	5-3/4	0.36
FM-94T.10AVSE	10	5-3/4	0.41
FM-94T.11AVSE	11	5-3/4	0.47
FM-94T.12AVSE	12	5-3/4	0.47
FM-94T.13AVSE	13	5-3/4	0.50
FM-94T.14AVSE	14	5-3/4	0.50
FM-94TL.10AVSE	10	12-1/2	0.91
FM-94TL.13AVSE	13	12-1/2	1.15
FM-94TL.16AVSE	16	12-1/2	1.85
FM-94TL.17AVSE	17	12-1/2	1.92
FM-94TL.19AVSE	19	12-1/2	2.06

PROTO® SOFT GRIP SLOTTED SCREWDRIVERS

- Precision tips for tight tolerance and fastener fit.
- Custom designed handles constructed of dual materials with hard center core for strength with cushion grip for comfort and control.
- Blades are constructed from high-alloy steel for high-strength and performance. Plated to resist corrosion.
- Cushion handle tapered for easy gripping and comfort.
- Flutes designed for better turning.
- Not insulated aginst electricl shock.



Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9406	5/16	Keystone	6	Round	10-13/32	0.35
J9408	3/8	Keystone	8	Round	13-1/2	0.62
J9403	3/16	Keystone	3	Round	6-3/4	0.17

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PROTO® SOFT GRIP PHILLIPS® SCREWDRIVERS

- Precision machined tips for precise fastener fit.
- Four-sided handle with broad, shallow flutes for a firm grip and comfort.
- Non-slip grip increases torque and maximizes comfort.
- Blasted tips resist chrome peeling.
- Wear-hardened for precise cross point dimensions and long life.
- Not insulated gainst electrical shock.



Product #	Tip Size	Tips	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9482	1	Phillips®	Round	6-3/4	0.17
J9484	2	Phillips®	Round	8-11/32	0.27

6 PIECE FACOM® 1000V VE PLIER/SCREWDRIVER SET

Product #: FW-184.J5VE

- Designed for working on live components up to 1000V AC and 1500V DC.



Contents	Description
FA-185.20VE	Pliers, Halfround 1000V VE 7-7/8"
FA-187.18VE	Pliers, Combo 1000V VE 7-1/4"
FA-192.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/4"
FW-ADY.1X100VE	Screwdriver, 1000V Pozidriv®
FW-AY.4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-AY.5.5X125V	Screwdriver, 1000V 5.5 mm Slotted 8-7/8"

FACOM® 3 PIECE VE PLIERS SET

Product #: FW-MOD.VE

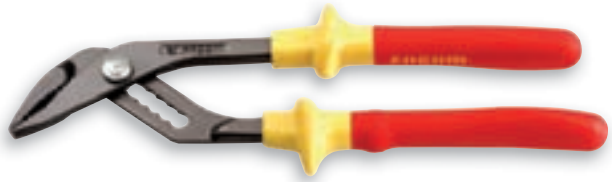
- 1000V insulated grips designed for electrical safety when working on or near live components.
- Handles designed to resist workshop chemicals (Skydrol®, chlorothene, acetone, petrol).



Contents	Description
FA-180.VE	Pliers, Multigrip 1000V VE 10"
FA-194.17VE	Pliers, Wire Stripper 1000V VE 6-1/2"
FA-391.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/2"

FACOM® INSULATED VE MUTIGRIP PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VE	10	10	1-3/16	7/8	0.78

FACOM® INSULATED VE HALF ROUND PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Side cutter for steel wire up to 14AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20VE	7-7/8	7-7/8	2-15/16	11/32	0.45
FA-193.16VE	6-1/2	6-7/8	1-13/16	11/32	0.41

FACOM® INSULATED VE COMBINATION PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges for power and durability.
- Nose profile combines strength and maneuverability.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16VE	6-1/2	6-1/2	1-11/32	3/8	0.43
FA-187.18VE	7-1/4	7-9/32	1-13/32	13/32	0.53

FACOM® INSULATED VE FLAT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Serrated jaws for firm grip.
- Nose designed for confined spaces.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16VE	6-1/2	6-11/16	1-13/16	11/32	0.38
FA-188.20VE	7-7/8	8-1/16	2-15/16	11/32	0.42

FACOM® INSULATED VE ROUND NOSE PLIERS

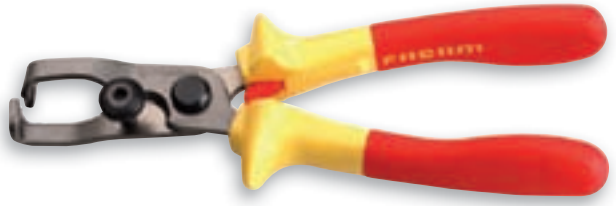
- 1000V insulated grips designed for electrical safety when working on or near live components.
- For shaping loops, bends or rings.
- Serrated jaws.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17VE	6-1/2	6-7/8	1-13/16	11/32	0.37

FACOM® INSULATED WIRE STRIPPER PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Jaws angled at 40°.
- Cuts single and multi-cone wire up to 14 AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17VE	6-1/2	7-11/16	1	5/8	0.38

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VE BENT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Jaws angled at 40°.
- Cuts single and multi-cone wire up to 14 AWG.
- Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.16VE	6-3/8	6-7/8	1-5/8	11/32	0.39
FA-195.20VE	7-7/8	7-15/32	2-3/4	11/32	0.43

FACOM® INSULATED VE END CUTTER PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 12 AWG.
- Offset pivot to help reduce manual cutting efforts required with a center pivot point.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16VE	6-1/2	6-1/2	1/4	7/16	0.51

FACOM® INSULATED VE DIAGONAL PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 200kg/mm.
- Offset pivot for reduced cutting effort.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14VE	5-3/4	5-23/32	5/8	3/8	0.36
FA-192.16VE	6-1/4	6-7/8	23/32	13/32	0.46
FA-192.18VE	7-1/8	7-15/32	25/32	7/16	0.57

FACOM® INSULATED VE DIAGONAL CUTTERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Edges designed for clean cut in copper wire.
- High-frequency hardened cutting edges for durable cut accuracy.
- Snipe nose for maneuverability in control cabinets or cutting cable loom ties.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16VE	6-1/2	6-11/16	3/4	13/32	0.46

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FACOM® INSULATED HEX KEYS

- Hardened alloy-steel exceeds specified strengths.
- 2-color warning insulation.
- Insulated to 1000V AC or 1500 DC.



Product #	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	Weight (lbs)
FM-83.3AVSE	3	4-59/64	3-11/32	0.04
FM-83.4AVSE	4	4-59/64	3-11/32	0.07
FM-83.5AVSE	5	4-59/64	3-11/32	0.11
FM-83.6AVSE	6	4-59/64	3-11/32	0.15
FM-83.8AVSE	8	4-59/64	3-11/32	0.24
FM-83.10AVSE	10	4-59/64	3-11/32	0.33
FM-83.12AVSE	12	4-59/64	3-11/32	0.46

FACOM® INSULATED VSE MULTIGRIP PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VSE	10	10-1/32	1-9/16	1-3/8	0.81

FACOM® INSULATED VSE HALF ROUND PLIERS

- 2 Color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Integrated wire-cutter.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20AVSE	7-7/8	8-9/32	2-23/32	1-3/8	0.53
FA-193.16AVSE	6-1/2	6-7/8	1-31/32	1-1/4	0.37

FACOM® INSULATED VSE COMBINATION PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Hardened throughout for overall strength.
- Cutting edges locally heat-treated to exceed 60 HRc hardness.
- Burnished nose.
- Serrated Jaw.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16AVSE	6-1/2	6-1/2	1-11/32	1-3/8	0.44
FA-187.18AVSE	7-1/4	7-3/32	1-3/8	1-3/8	0.54
FA-187.20AVSE	8	7-9/32	1-43/64	1-3/8	0.69

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VSE FLAT NOSE PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Serrated jaws for firm grip.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16AVSE	6-1/2	6-11/16	1-31/32	1-15/32	0.37

FACOM® INSULATED VSE ROUND NOSE PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Insulated to 1000V AC or 1500 DC.
- Long nipe nose, serrated for shaping bends or terminals on all types of wire.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17AVSE	6-1/2	6-7/8	1-25/32	1-5/16	0.36

FACOM® INSULATED VSE WIRE STRIPPER

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Strips any wire in all common electrical systems, up to 10 AWG.
- Burnished nose.
- Knob for presetting the cutting depth.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17AVSE	6-1/2	6-7/8	7/8	5/16	0.45

FACOM® INSULATED VSE BENT NOSE PLIERS

- 1000V insulated grips designed for electrical safety when working on or near live components.
- Intergral wire-cutter.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.20AVSE	7-7/8	7-15/32	2-17/32	1-1/4	0.43

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FACOM® INSULATED VSE CABLE CUTTERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- High performance compact tool.
- Forged safety stops.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-412.10AVSE	7-1/2	7-7/8	3-1/3	1-3/8	0.91
FA-412.14AVSE	9	9	1-3/16	1-3/8	1.12
FA-412.150AVSE	17-3/4	18-1/2	2-23/64	1-3/4	4.71

FACOM® INSULATED VSE RATCHETING CABLE CUTTERS

- One-hand operation.
- No cable core distortion.
- Forged and hardened steel blade.
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
FA-414.45AVSE	1-3/4	12	5-5/16	2.19
FA-414.52AVSE	2	13-3/16	5-1/2	2.26

FACOM® INSULATED VSE END CUTTER PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Cutting edges heat-treated to exceed 60 HRc.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16AVSE	6-1/2	6-11/16	1/4	1-3/8	0.56

FACOM® INSULATED VSE DIAGONAL PLIERS

- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Cutting edges heat-treated to exceed 60 HRc.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14AVSE	5-3/4	6-3/32	5/8	1-3/16	0.48
FA-192.16AVSE	6-1/2	6-1/2	23/32	13/32	0.54
FA-192.18AVSE	7-1/4	7-9/32	25/32	7/16	0.60

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

FACOM® INSULATED VSE DIAGONAL CUTTERS

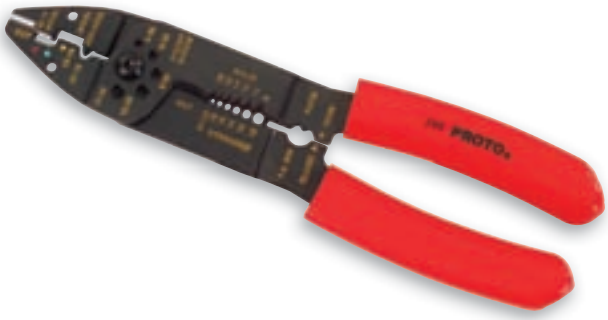
- 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- Inset joint.
- Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16AVSE	6-1/2	6-5/16	3/4	13/32	0.47

WIRE STRIPPER - CRIMPER

- Strips 10-22 AWG (American Wire Gauge).
- Box style crimp.
- Crimps insulated and non-insulated terminals for 10-22 AWG.
- Crimps non-insulated 7 mm and 8 mm auto ignition wire.
- Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24.
- Anvil type wire cutter for cutting copper wire.
- Air-pocket cushion grips for comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J299	8-1/2	0.45

WIRE STRIPPER - CUTTER

- Strips wire sizes 10, 12, 14, 16, 18, and 20 AWG (American Wire Gauge).
- Wire cutter for copper wire.
- Plier nose for pulling and looping wire.
- Spring return and convenient handle lock.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J297	6-1/16	0.21

WIRE STRIPPER

- Strips wire sizes 22, 24, 26, 28, and 30 AWG (American Wire Gauge).
- Wire cutter.
- Plier nose for pulling and looping wire.
- Automatic spring return.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J296	6-1/16	0.21

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CABLE CUTTER

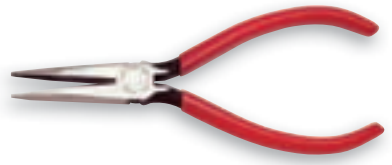
- Cuts up to 3/0 fine stranded copper battery cable (not for use on steel cable).
- Precision ground blades minimize deflection.
- Positive fastener maintains pressure on matching cutting surfaces.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J288	7-1/2	0.56

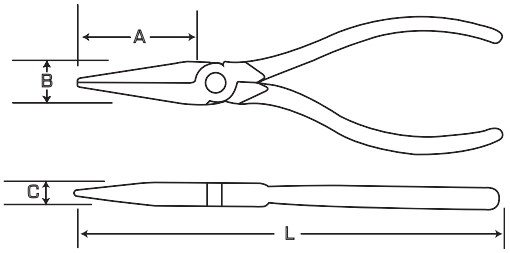
NEEDLE-NOSE PLIERS

- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282G	4-7/8	1-3/16	7/16	1/4	0.16
J229-03G	5-9/16	1-11/16	1/2	9/32	0.23
J220G	6-5/8	1-7/8	11/16	3/8	0.35

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NEEDLE-NOSE PLIERS - COIL SPRING

- Coil spring.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

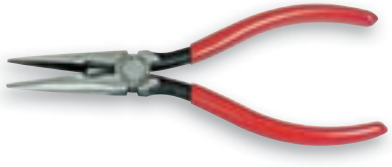


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282BSG	5	1-3/16	7/16	1/4	0.16

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NEEDLE-NOSE PLIERS WITH CUTTER

- Induction hardened cutting edges.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



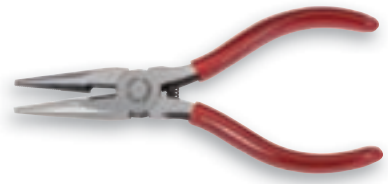
Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J226G	6-5/8	1-7/8	11/16	3/8	0.34

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WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

NEEDLE-NOSE PLIERS WITH CUTTER - COIL SPRING

- Induction hardened cutting edges.
- Diamond serrated jaws.
- Coil spring.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J229-01G	5-9/16	1-11/16	1/2	9/32	0.23
J226-01G	7-1/2	2-5/8	3/4	3/8	0.40

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NEEDLE-NOSE PLIERS - LONG REACH

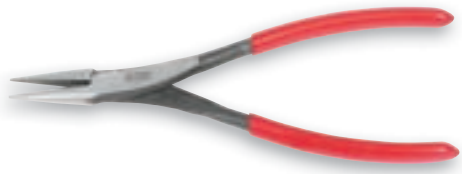
- Extra-long handle allows greater access to confined, restricted areas.
- Improved fulcrum point provides more holding power at the tip with less gripping effort.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J240G	11-9/16	2-13/16	23/32	13/32	0.63

NEEDLE-NOSE PLIERS - LONG

- Long handle for added leverage.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

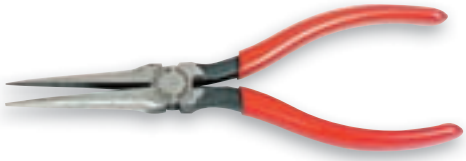


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J228G	7-25/32	1-9/16	17/32	7/16	0.38

ASME B107.500

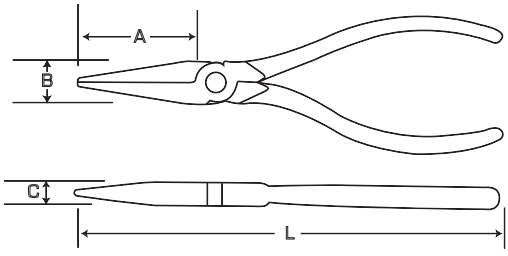
NEEDLE-NOSE PLIERS - LONG THIN

- Very thin nose allows access into minimum clearance areas.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J222G	6-1/16	2-1/8	11/16	11/32	0.28

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NEEDLE-NOSE PLIERS - LONG EXTRA THIN

- Extra slim-nose pliers for light precision work.
- Designed for gripping, looping, and twisting wire in confined areas.
- Plastisol grips for added comfort

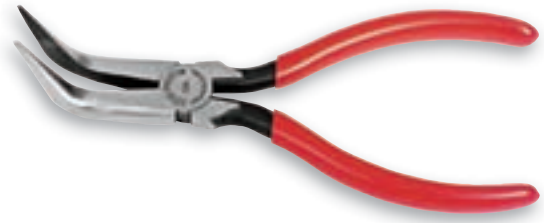


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J223G	6-5/32	2-5/32	1/2	9/32	0.20

ASME B107.500

BENT NOSE NEEDLE-NOSE PLIERS

- Nose bent to 78° angle to reach around obstructions.
- Very thin nose allows access into minimum clearance areas.
- Diamond serrated jaws.
- Plastisol grips for added comfort.

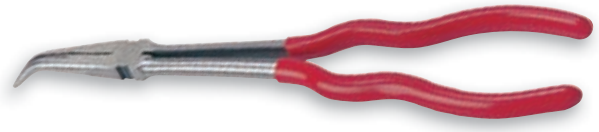


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J225G	6-5/16	1-5/8	3/4	3/8	0.42

ASME B107.500

BENT NOSE NEEDLE-NOSE PLIERS - LONG REACH

- Extra-long handle allows greater access to confined, restricted areas.
- Improved fulcrum point provides more holding power at the tip with less gripping effort.
- Bent nose design to reach around obstructions.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J241G	11-3/8	2-9/16	23/32	13/32	0.62

DUCKBILL PLIERS

- Wide, flat nose for better grip than standard needle-nose pliers.
- Diamond serrated jaws.
- Long handle for added leverage.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J227G	7-25/32	1-9/16	17/32	7/16	0.38

ASME B107.500

WIRE STRIPPERS - PLIERS

- Strips 10-22 AWG (American Wire Gauge).
- Crimps insulated and non-insulated terminals for 10-22 AWG wire.
- Crimps non-insulated 7mm and 8mm auto ignition wire.
- Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24 and copper wire.
- Extended length curved cutter to handle heavier wire with less force.
- Plier nose designed to grip, bend, and pull wire.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J298	8-1/4	0.05

DIAGONAL CUTTING PLIERS

- Induction hardened cutting edges.
- Thin narrow jaws for access in tight areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285G	4-5/8	13/32	7/16	1/4	0.13
J204G	4-7/16	18/32	9/16	5/16	0.22
J205G	5-1/16	3/4	19/32	3/8	0.24
J206G	6-1/16	13/16	3/4	7/16	0.40
J207G	7-5/16	1	7/8	15/32	0.50

ASME B107.500

DIAGONAL CUTTING PLIERS - COIL SPRING

- Coil springs.
- Induction hardened cutting edges.
- Thin narrow jaws for access in tight areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285BSG	4-5/8	13/32	7/16	1/4	0.13
J204SG	4-7/16	18/32	9/16	5/16	0.22

ASME B107.500

DIAGONAL CUTTING PLIERS - ANGLED HEAD

- Angled head for work in confined areas.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J210AHG	8-1/8	3/4	1-7/32	5/32	0.64

HEAVY-DUTY DIAGONAL CUTTING PLIERS

- Induction hardened cutting edge.
- Powerful leverage cuts heavy wire with ease.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J209G	7-5/16	2-5/32	7/8	1/2	0.58
J210G	8-1/2	3/4	1-7/32	15/32	0.64

ASME B107.500

DIAGONAL PLASTIC CUTTING PLIERS

- Adjusting set screw allows fast, precise cutting and prevents cutting edges from damaging each other.
- Coil spring for reduced hand fatigue.
- Induction hardened cutting edges.
- Plastisol grips for added comfort



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J212G	6-1/16	3/4	3/4	7/16	0.39
J213G	7-5/16	1	29/32	1/2	0.53

HIGH LEVERAGE DIAGONAL CUTTING PLIERS LONG REACH - ANGLED HEAD

- Extra-long handle provides high leverage cutting capabilities with less user effort.
- 30° angled head for hard-to-reach areas.
- Wide handle contour for less fatigue.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J244G	11-1/8	1	63/64	1-5/32	0.94

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

DIAGONAL CUTTING PLIERS LONG REACH - GRIPPING TIP

- Cutting and gripping capabilities in one tool.
- Serrated gripping surface at tips.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J246G	11-1/8	27/32	63/64	25/64	0.74

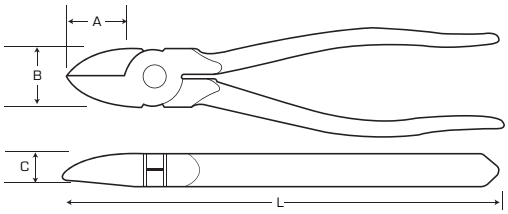
LINEMAN'S PLIERS

- For utility linemen, wiring and electrical equipment installation, and maintenance.
- Induction hardened cutting edges and diamond serrated jaws.
- Built-in insulation crusher
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J268G	8-5/8	1-1/2	1-3/16	5/8	0.98

ASME B107.500



LINEMAN'S PLIERS - NEW ENGLAND STYLE

- Slim rounded nose for easy access in restricted spaces.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J266G	6-3/16	1-3/32	29/32	1/2	0.50
J267G	7-1/4	1-9/32	1-1/8	1/2	0.67

ASME B107.500

LINEMAN'S PLIERS - HIGH LEVERAGE

- Jaws have offset rivet for increased leverage.
- Designed for cutting No. 8 and other large wires.
- Diamond serrated jaws.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J269G	9-1/4	1-3/16	1-3/32	5/8	1.10

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LINEMAN'S PLIERS - PIPE JAW

- Serrated flat nose jaws with toothed pipe grip.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J268PJG	8-3/8	1-3/4	1-1/16	17/32	0.87

FACOM® VSE SERIES INSULATED KNIFE

- For working on live components up to 1000V AC and 1500V DC.
- Thick, angled blade with flat tip.
- Cushion handle.
- Blade sheath.
- Effective blade length 2".



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-1820.AVSE	2-3/8	7-1/2	0.19

FACOM® VSE SERIES INSULATED HACKSAW

- Two blade positions.
- Butterfly tension nut.
- Supplied with bi-metal blade.
- 12" blade replacement.



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-602.AVSE	12	18-1/2	1.30

ELECTRICIAN'S KNIVE WITH STRIPPING BLADE

- Spear blade.
- Stripping blade.
- Self-locking combination screwdriver, insulation cutter and wire scraper blade.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18535	3	3-3/4	7	0.32

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

ELECTRICIAN'S KNIFE

- Spear blade.
- Self-locking combination screwdriver, insulation cutter and wire scraper blade.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18500	3	3-3/4	7	0.24

14-POCKET LEATHER EXTRA CAPACITY ELECTRICIAN'S TOOL POUCH

- 10" x 10"
- 4 Large gusseted utility pockets and 2 preformed plier pockets.
- 4 Screwdriver slots, 12" tape rule holder, secured T-type tape holder with swivel rivet.
- 2-3/4" Belt slots.
- Additional features: Sectioned pocket for torpedo level, multi-purpose tool snap, scratch awl pocket and pencil holders.
- Heavy-duty, top grain leather.



Product #	Weight Lbs.
J95030	1.43

2-POCKET LEATHER CABLE SPLICER HOLDER

- Heavy-duty top grain saddle leather.
- 2 flared pockets for cable splicer, knife and scissors.
- 2-1/2" belt slots.



Product #	Weight Lbs.
J95170	0.17

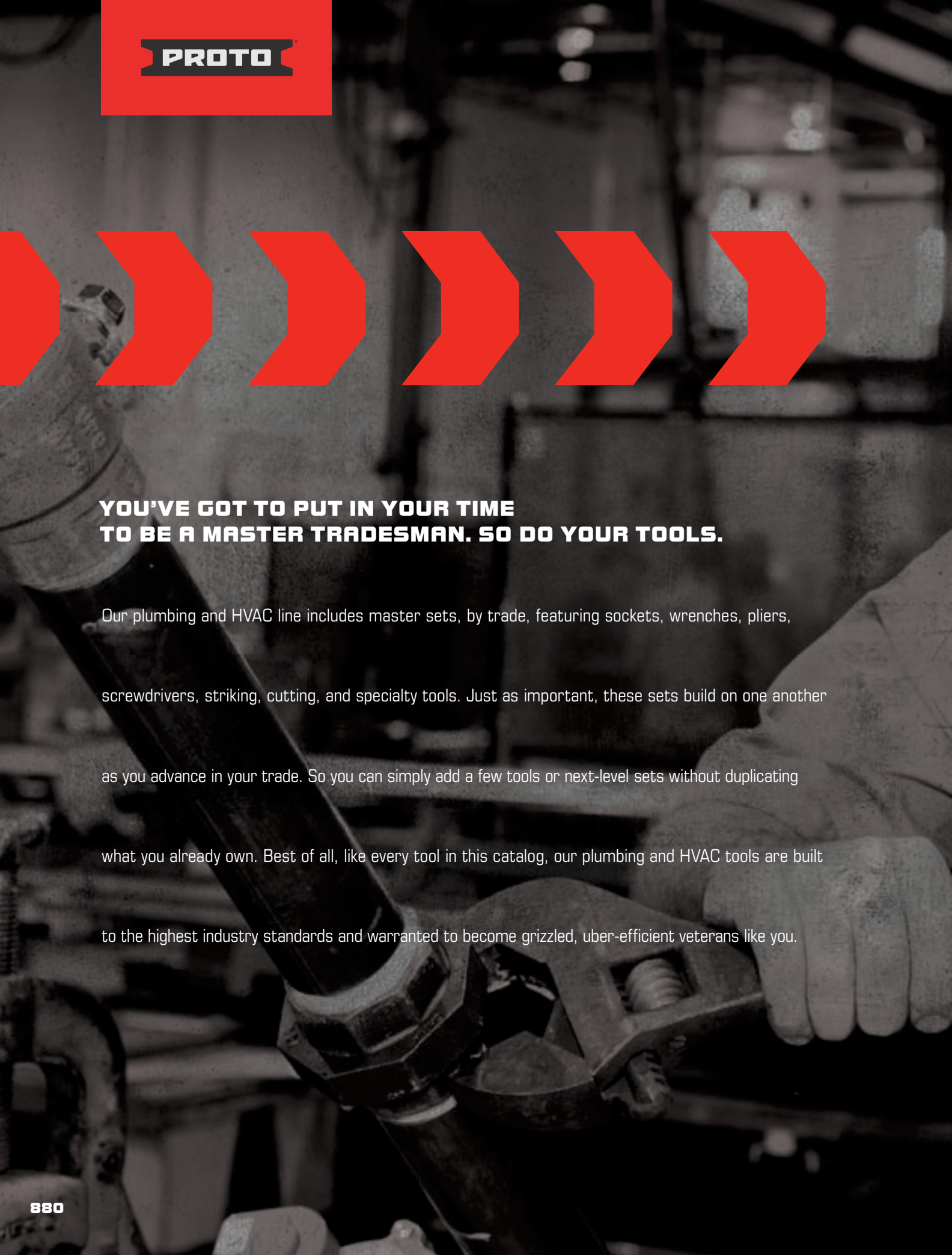
FACOM® SAFETY GLOVES

- Silicon leather to help provide mechanical protection.
- Worn over latex insulating gloves.



Product #	Size In.	Length In.	Weight Lbs.
FT-BC.109VSE	9	11-13/16	0.36
FT-BC.110VSE	10	12-19/32	0.43

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YOU'VE GOT TO PUT IN YOUR TIME TO BE A MASTER TRADESMAN. SO DO YOUR TOOLS.

Our plumbing and HVAC line includes master sets, by trade, featuring sockets, wrenches, pliers, screwdrivers, striking, cutting, and specialty tools. Just as important, these sets build on one another as you advance in your trade. So you can simply add a few tools or next-level sets without duplicating what you already own. Best of all, like every tool in this catalog, our plumbing and HVAC tools are built to the highest industry standards and warranted to become grizzled, uber-efficient veterans like you.

PLUMBING AND HVAC TOOLS



Heavy-Duty Cast Iron Pipe Wrenches

PROTO

105 PIECE BASIC TOOL SET

Product #: JTS-0105HVAC

- 105 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Contains: 28 Sockets and Accessories, 26 Wrenches, 7 Striking and Struck Tools, 8 Pliers, 13 Screwdrivers, 23 Miscellaneous Tools.
- Weight: 40.36 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J86012	Chisel, Cold 1/2" Super Duty
J86058	Chisel, Cold 5/8" Super Duty
J5259	Extension, 3/8" DR 1-3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
20-001	Hacksaw, High Tension Low Profile 12"
15-809	Hacksaw, Metal Mini
54-016	Hammer, Ball Pein Hickory 16 oz.
J4980	Hex Key, 13 Piece Standard Set
J2108	Holder, Punch and Chisel
10-788	Knife, QuickChange™ Retractable Blade Utility
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J2370	Mirror, Inspect Circle 7/8"
J9206H	Nut Driver, 3/16" Hollow Shaft
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft

Contents	Description
J9216H	Nut Driver, 1/2" Hollow Shaft
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J291NC	Pliers, Locking Straight 7"
J228G	Pliers, Needle-Nose Long Handle 7-25/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
J4029	Puller Set Box
J413/8	Punch, Center
J48018	Punch, Pin 1/8" Super Duty
J48316	Punch, Pin 3/16" Super Duty
J5249	Ratchet, 3/8" DR
28-240	Scraper, Flexible Nylon 1-1/4"
66-095	Screwdriver, Vinyl Grip
65-903	Screwdriver, Vinyl Grip Phillips® 3 PT x 3"
66-565P	Screwdriver, 6 Piece Stanley® Vinyl Grip

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

Contents	Description
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J7210PF	Socket, Power 3/8" DR 5/16" Magnetic
J7212PF	Socket, Power 3/8" DR 3/8" Magnetic
J7214PF	Socket, Power 3/8" DR 7/16" Magnetic
J7216PF	Socket, Power 3/8" DR 1/2" Magnetic
J7218PF	Socket, Power 3/8" DR 9/16" Magnetic
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708G	Wrench, Adjustable 8" Grip

Contents	Description
J712G	Wrench, Adjustable 12" Grip
J812HD	Wrench, Pipe 12"
J1111	Wrench, Ratchet Refrigeration, 1/4" - 3/16" Sq. x 9/16
J1112	Wrench, Ratchet Refrigeration, 3/8" - 5/16" Sq. x 1/4"
J1208A	Wrench, Combination 1/4" 12 PT
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J3764	Wrench, Flare Nut 3/8" x 7/16" 6 PT
J3768	Wrench, Flare Nut 1/2" x 9/16" 6 PT
J3772	Wrench, Flare Nut 5/8" x 11/16" 6 PT
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"

70 PIECE STARTER TOOL SET

Product #: JTS-0070HVAC

- 70 Pieces.
- Contains: 19 Wrenches, 7 Striking and Struck Tools, 8 Pliers, 12 Screwdrivers, 24 Miscellaneous Tools.
- Weight: 45 lbs.



Representative Image; Contents May Differ

Contents	Description
J86012	Chisel, Cold 1/2" Super Duty
J86058	Chisel, Cold 5/8" Super Duty
20-001	Hacksaw, High Tension Low Profile 12"
15-809	Hacksaw, Metal Mini
54-016	Hammer, Ball Pein Hickory 16 oz.
J4980	Hex Key, 13 Piece Standard Set
J2108	Holder, Punch and Chisel
10-788	Knife, Utility QuickChange™ Retractable Blade
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J2370	Mirror, Inspect Circle 7/8"
J9208H	Nut Driver, 1/4" Hollow Shaft
J9210H	Nut Driver, 5/16" Hollow Shaft
J9212H	Nut Driver, 3/8" Hollow Shaft
J9216H	Nut Driver, 1/2" Hollow Shaft
J207G	Pliers, Diagonal Cutting with Grip 7-5/16"
J252G	Pliers, Hose Clamp with Grip 7-3/4"
J291NC	Pliers, Locking Straight 7"
J228G	Pliers, Needle-Nose Long Handle 7-25/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
J4029	Puller Set Box
J413/8	Punch, Center
J48018	Punch, Pin 1/8" Super Duty
J48316	Punch, Pin 3/16" Super Duty
28-240	Scraper, Flexible Nylon 1-1/4"

Contents	Description
66-095	Screwdriver, Vinyl Grip
65-903	Screwdriver, Vinyl Grip Phillips® 3 PT x 3"
66-565P	Screwdriver, 6 Piece Stanley® Vinyl Grip
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708G	Wrench, Adjustable, 8" Grip
J712G	Wrench, Adjustable, 12" Grip
J1208A	Wrench, Combination 1/4" 12 PT
J1210A	Wrench, Combination 5/16" 12 PT
J1212ASD	Wrench, Combination 3/8" 12 PT
J1214ASD	Wrench, Combination 7/16" 12 PT
J1216ASD	Wrench, Combination 1/2" 12 PT
J1218ASD	Wrench, Combination 9/16" 12 PT
J1220ASD	Wrench, Combination 5/8" 12 PT
J1222ASD	Wrench, Combination 11/16" 12 PT
J1224ASD	Wrench, Combination 3/4" 12 PT
J1226ASD	Wrench, Combination 13/16" 12 PT
J1228ASD	Wrench, Combination 7/8" 12 PT
J3764	Wrench, Flare Nut 3/8" x 7/16" 6 PT
J3768	Wrench, Flare Nut 1/2" x 9/16" 6 PT
J3772	Wrench, Flare Nut 5/8" x 11/16" 6 PT
J812HD	Wrench, Pipe 12"
J1111	Wrench, Ratchet Refrigeration, 1/4" - 3/16" Sq. x 9/16
J1112	Wrench, Ratchet Refrigeration, 3/8" - 5/16" Sq. x 1/4

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

35 PIECE HVAC ADD-ON SET

Product #: JTS-0035HVAC

- 35 Pieces.
- 3/8" Drive Tools.
- Designed for fastener sizes 3/8" - 7/8".
- Tools only.
- Contains: 28 Sockets and Accessories, 7 Wrenches.
- Weight: 7 lbs.



Representative Image; Contents May Differ

Contents	Description
J5270A	Adapter, Universal Joint 3/8" DR
J5259	Extension 3/8" DR, 1-3/4"
J5260	Extension, 3/8" DR 3"
J5260-06	Extension, 3/8" DR 6"
J5249	Ratchet, 3/8" DR
J5212	Socket, 3/8" DR 3/8" 12 PT
J5214	Socket, 3/8" DR 7/16" 12 PT
J5216	Socket, 3/8" DR 1/2" 12 PT
J5218	Socket, 3/8" DR 9/16" 12 PT
J5220	Socket, 3/8" DR 5/8" 12 PT
J5222	Socket, 3/8" DR 11/16" 12 PT
J5224	Socket, 3/8" DR 3/4" 12 PT
J5226	Socket, 3/8" DR 13/16" 12 PT
J5228	Socket, 3/8" DR 7/8" 12 PT
J5012	Socket, 3/8" DR 3/8" 12 PT Deep
J5014	Socket, 3/8" DR 7/16" 12 PT Deep
J5016	Socket, 3/8" DR 1/2" 12 PT Deep
J5018	Socket, 3/8" DR 9/16" 12 PT Deep

Contents	Description
J5020	Socket, 3/8" DR 5/8" 12 PT Deep
J5022	Socket, 3/8" DR 11/16" 12 PT Deep
J5024	Socket, 3/8" DR 3/4" 12 PT Deep
J5026	Socket, 3/8" DR 13/16" 12 PT Deep
J5028	Socket, 3/8" DR 7/8" 12 PT Deep
J7210PF	Socket, Power 3/8" DR 5/16" Magnetic
J7212PF	Socket, Power 3/8" DR 3/8" Magnetic
J7214PF	Socket, Power 3/8" DR 7/16" Magnetic
J7216PF	Socket, Power 3/8" DR 1/2" Magnetic
J7218PF	Socket, Power 3/8" DR 9/16" Magnetic
J3812	Wrench, Flare Nut Ratcheting 3/8"
J3814	Wrench, Flare Nut Ratcheting 7/16"
J3816	Wrench, Flare Nut Ratcheting 1/2"
J3818	Wrench, Flare Nut Ratcheting 9/16"
J3820	Wrench, Flare Nut Ratcheting 5/8"
J3822	Wrench, Flare Nut Ratcheting 11/16"
J3824	Wrench, Flare Nut Ratcheting 3/4"

37 PIECE PLUMBER'S TOOL SET

Product #: JTS-0037PLUM

- 37 Pieces.
- Contains: 10 Wrenches, 5 Striking and Struck Tools, 6 Pliers, 4 Screwdrivers, 12 Miscellaneous Tools.
- Enhanced version of Proto® 90-731 Plumber's Tool Set.
- Weight: 41 lbs.



Representative Image; Contents May Differ

Contents	Description
95-112W	Flashlight, Stanley® Tripod - 20 Lumens
20-001	Hacksaw, High Tension Low Profile 12"
15-809	Hacksaw, Metal Mini
54-732	Hammer, Ball Pein Jacketed Graphite 32 oz.
51-505	Hammer, Jacketed Graphite Nailing CC - 16 oz.
10-788	Knife, Utility QuickChange™ Retractable Blade
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J294WRXL	Pliers, Locking Curved Jaw with Cutter 7-15/32"
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J276G	Pliers, Slip-Joint with Grip 6-9/16"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J265SG	Pliers, Tongue and Groove 16" with Grip
20-556	Saw, FatMax® Jab
15-334	Saw, Sharptooth™ 15" 9 PT
62-559	Screwdriver, Prodriver™ Phillips® 3" x #1
62-561	Screwdriver, Prodriver™ Phillips® 4" x #2
62-553	Screwdriver, Prodriver™ Std 1/4" x 4"

Contents	Description
62-555	Screwdriver, Prodriver™ Std 5/16" x 6"
16-298	Chisel, 3 Piece Stanley® Cold Chisel Set
14-563	Snip, Aviation MaxSteel® Straight
33-725	Tape Rule, FatMax® 1-1/4" x 25'
518160M	Tote, Stanley® FatMax® 18"
J350	Tubing Cutter
J351	Tubing Flaring Tool
J708L	Wrench, Adjustable Clik-Stop® Chrome 8"
J712L	Wrench, Adjustable Clik-Stop® Chrome 12"
J801	Wrench, Chain
J806HD	Wrench, Pipe Heavy-Duty 6"
J810HD	Wrench, Pipe Heavy-Duty 10"
J814HD	Wrench, Pipe Heavy-Duty 14"
J140-38	Wrench, Pipe Internal 3/8"
J140-12	Wrench, Pipe Internal 1/2"
J140-34	Wrench, Pipe Internal 3/4"
J140-1	Wrench, Pipe Internal 1"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

7 PIECE COMBINATION FLARE NUT WRENCH SET - 6 POINT

Product #: J3700A

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box end incorporates the TorquePlus™ system.
- Weight (lbs): 2.24

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Size	Overall Length (in)
J3751	3/8	6	5-11/16
J3752	7/16	6	6-1/32
J3753	1/2	6	6-7/16
J3754	9/16	6	6-15/16
J3755	5/8	6	7-5/8
J3756	11/16	6	8-11/16
J3757	3/4	6	9-3/16
J25TR03C	Tool Roll		

ASME B107.21



7 PIECE COMBINATION FLARE NUT WRENCH SET - 12 POINT

Product #: J3700AT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box end incorporates the TorquePlus™ system.
- Weight (lbs): 2.24

TORQUEPLUS FASTENING SYSTEM

Contents	Size (in)	Point Size	Overall Length (in)
J3751T	3/8	12	5-11/16
J3752T	1/2	12	6-1/32
J3753T	7/16	12	6-7/16
J3754T	9/16	12	6-15/16
J3755T	5/8	12	7-5/8
J3756T	11/16	12	8-11/16
J3757T	3/4	12	9-3/16
J25TR03C	Tool Roll		

ASME B107.21



SATIN COMBINATION FLARE NUT WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box end incorporates the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in (A)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3751	3/8	7/16	25/32	11/32	19/64	51/64	23/65	5-11/16	0.12
J3752	7/16	33/64	7/8	3/8	23/64	59/64	13/32	6-1/32	0.16
J3753	1/2	19/32	31/32	3/8	25/64	1-1/32	13/32	6-7/16	0.21
J3754	9/16	43/64	1-3/64	7/16	26/64	1-11/64	15/32	6-15/16	0.34
J3755	5/8	47/64	1-3/32	7/16	33/64	1-9/64	15/32	7-5/8	0.45
J3756	11/16	51/64	1-3/16	1/2	9/16	1-13/32	17/32	8-11/16	0.45
J3757	3/4	57/64	1-7/32	1/2	9/16	1-9/16	17/32	9-3/16	0.49

ASME B107.100

SATIN COMBINATION FLARE NUT WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box end incorporates the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in) (A)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3751T	3/8	7/16	25/32	11/32	19/64	51/64	3/8	5-11/16	0.13
J3752T	1/2	33/64	7/8	3/8	23/64	29/32	13/32	6-1/32	0.18
J3753T	7/16	19/32	31/32	3/8	25/64	1-1/32	13/32	6-7/16	0.19
J3754T	9/16	43/64	1-3/64	7/16	29/64	1-3/64	15/32	6-15/16	0.25
J3755T	5/8	47/64	1-3/32	7/16	33/64	1-19/64	15/32	7-5/8	0.32
J3756T	11/16	51/64	1-3/16	1/2	9/16	1-13/32	17/32	8-11/16	0.42
J3757T	3/4	57/64	1-7/32	1/2	9/16	1-9/16	17/32	9-3/16	0.46

ASME B107.100

3 PIECE DOUBLE END FLARE NUT WRENCH SET - 6 POINT

Product #: J3760

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.
- Weight (lbs): 0.97

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Size	Overall Length (in)
J3764	3/8 x 7/16	6	6-1/4
J3768	1/2 x 9/16	6	7-1/2
J3772	5/8 x 11/16	6	8-3/4
J25TR17C	Tool Roll		10

ASME B107.100

5 PIECE METRIC DOUBLE END FLARE NUT WRENCH SET - 6 POINT

Product #: J3700M

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporates the TorquePlus™ system.
- Weight (lbs): 1.25

TORQUEPLUS FASTENING SYSTEM



Contents	Size (mm)	Point Size	Overall Length (in)
J3707M	7 x 8	6	5-11/16
J3709M	9 x 11	6	6-5/16
J3710M	10 x 12	6	6-15/16
J3713M	13 x 14	6	7-9/16
J3715M	15 x 17	6	7-63/64
J25TR06C	Tool Roll		

ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

3 PIECE DOUBLE END FLARE NUT WRENCH SET - 12 POINT

Product #: J3760T

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box ends incorporate the TorquePlus™ system.
- Weight (lbs): 0.97

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Size	Overall Length (in)
J3764T	3/8 x 7/16	12	6-1/4
J3768T	1/2 x 9/16	12	7-1/2
J3772T	5/8 x 11/16	12	8-3/4
J25TR17C	Tool Roll		

ASME B107.100

5 PIECE METRIC DOUBLE END FLARE NUT WRENCH SET - 12 POINT

Product #: J3700MT

METRIC

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut ends incorporate the TorquePlus™ system.
- Weight (lbs): 1.29

TORQUEPLUS FASTENING SYSTEM



Contents	Size (in)	Point Size	Overall Length (in)
J3707MT	7 x 8	12	5-11/16
J3709MT	9 x 11	12	6-5/16
J3710MT	10 x 12	12	6-15/16
J3713MT	13 x 14	12	7-9/16
J3715MT	15 x 17	12	7-63/64
J25TR06C	Tool Roll		

ASME B107.100

SATIN DOUBLE END FLARE NUT WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3764	3/8 x 7/16	19/64	51/64	11/32	23/64	57/64	3/8	6-1/4	0.18
J3768	1/2 x 9/16	25/64	31/32	3/8	13/32	1-3/64	7/16	7-1/2	0.27
J3772	5/8 x 11/16	33/64	1-7/64	7/16	37/64	1-13/64	31/64	8-3/4	0.38

ASME B107.100

Made in USA accurate at time of printing, consult **www.protoindustrial.com** for updated information.
Made in USA Made in USA with global components



SATIN METRIC DOUBLE END FLARE NUT WRENCHES - 6 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM

METRIC



Product #	Size (mm)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3707M	7 x 8	7/32	43/64	19/64	15/64	3/4	21/64	5-11/16	0.12
J3709M	9 x 11	9/32	13/16	23/64	11/32	29/32	25/64	6-5/16	0.17
J3710M	10 x 12	9/32	55/64	25/64	11/32	61/64	25/64	6-15/16	0.22
J3713M	13 x 14	3/8	1-1/64	25/64	7/16	1-3/32	29/64	7-9/16	0.26
J3715M	15 x 17	7/16	1-7/64	29/64	1/2	1-3/16	31/64	7-63/64	0.37
J3716M	16 x 18	1/2	1-9/64	29/64	37/64	1-15/64	33/64	8-13/16	0.39
J3719M	19 x 21	37/64	1-9/32	35/64	5/8	1-3/8	37/64	9-3/8	0.6

ASME B107.100

SATIN DOUBLE END FLARE NUT WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Flare nut box ends incorporate the TorquePlus™ system.

TORQUEPLUS FASTENING SYSTEM



Product #	Size (in)	Mouth Width (in) (A)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Mouth Width (in) (A1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3764T	3/8 x 7/16	19/64	51/64	11/32	23/64	57/64	3/8	6-1/4	0.18
J3768T	1/2 x 9/16	25/64	31/32	3/8	13/32	1-1/16	7/16	7-1/2	0.27
J3772T	5/8 x 11/16	33/64	1-7/64	7/16	37/64	1-13/64	31/64	8-3/4	0.38

ASME B107.100

SATIN METRIC DOUBLE END FLARE NUT WRENCHES - 12 POINT

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Flare nut box ends incorporate the TorquePlus™ system.
- 12 point flare nut box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.

TORQUEPLUS FASTENING SYSTEM

METRIC



Product #	Size (mm)	Throat Depth (in) (B)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Throat Depth (in) (B1)	Outside Head Width (in) (C1)	Head Thickness (in) (D1)	Overall Length (in)	Weight (lbs)
J3707MT	7 x 8	7/32	43/64	19/64	15/64	3/4	21/64	5-11/16	0.11
J3709MT	9 x 11	9/32	13/16	23/64	11/32	29/32	25/64	6-5/16	0.16
J3710MT	10 x 12	9/32	55/64	25/64	11/32	61/64	25/64	6-15/16	0.21
J3713MT	13 x 14	3/8	1-1/64	25/64	7/16	1-3/32	29/64	7-9/16	0.24
J3715MT	15 x 17	7/16	1-7/64	29/64	1/2	1-3/16	31/64	7-63/64	0.33
J3716MT	16 x 18	1/2	1-9/64	29/64	37/64	1-15/64	33/64	8-13/16	0.36
J3719MT	19 x 21	37/64	1-9/32	35/64	5/8	1-3/8	37/64	9-7/16	0.39

ASME B107.100

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

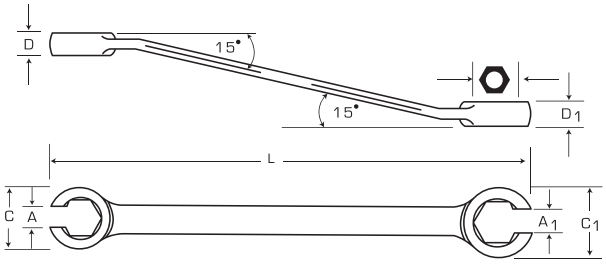
7 PIECE RATCHETING FLARE NUT WRENCH SET - 12 POINT

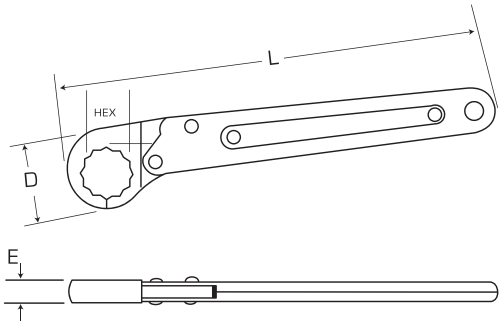
Product #: J3800A

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.
- Weight (lbs): 1.93



Contents	Size (in)	Point Size	Overall Length (in)
J3812	3/8	12	5-7/16
J3814	7/16	12	5-7/16
J3816	1/2	12	5-7/16
J3818	9/16	12	7-1/4
J3820	5/8	12	7-1/4
J3822	11/16	12	7-1/4
J3824	3/4	12	7-1/4
J25TR03C	Tool Roll		





BLACK OXIDE RATCHETING FLARE NUT WRENCHES - 12 POINT

- Black oxide finish.
- Non-reflective black oxide finish for use where non-plated products are required.
- 12 Point flare nut box end allows for fine indexing, helping to improve speed and access.
- Pivoting head allows user to place the wrench over the connected pipes to reach the fastener.



Product #	Size (in)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
J3812	3/8	1	9/32	5-7/16	0.17
J3814	7/16	1	9/32	5-7/16	0.17
J3816	1/2	1	9/32	5-7/16	0.17
J3818	9/16	1-5/16	3/8	7-1/4	0.31
J3820	5/8	1-5/16	3/8	7-1/4	0.31
J3822	11/16	1-5/16	3/8	7-1/4	0.31
J3824	3/4	1-5/16	3/8	7-1/4	0.31
J3826	13/16	1-11/16	7/16	9-3/8	0.58
J3828	7/8	1-11/16	7/16	9-3/8	0.58
J3830	15/16	1-11/16	1/2	9-3/8	0.58
J3832	1	1-11/16	1/2	9-3/8	0.58



REFRIGERATION WRENCHES

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- Designed for servicing automotive, commercial, and residential air conditioners, refrigeration units and freezers.
- Hex openings are used for packing gland fittings, mounting bolts, clutch bolts, tubing fittings, dust cap nuts, and oil check plugs.
- Square openings are used on male service valves, plug fittings, compressor valves, and refrigerant charging tanks.
- Reversing switch lever allows for easy changes in turning direction which helps improve speed.



Product #	Size (in)	Size (in)	Overall Length (in)	Weight (lbs)
J1111	1/4 x 3/16 Square	9/16 x 1/2 Hex	6-3/4	0.35
J1112	3/8 x 5/16 Square	1/4 x 3/16 Hex	5-1/2	0.25

FACOM® SATIN MONKEY WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Sturdy, wide-opening tools for heavy-duty work on farms and building sites.
- Fixed jaw/handle and worm gear made from hardened steel.
- Smooth jaw faces help prevent marring of fastener surfaces.



Product #	Max Opening (in)	Jaw Depth (in)	Jaw Thickness (in)	Height (in)	Overall Length (in)	Weight (lbs)
FA-105.230	2-3/8	1-25/32	25/32	19/32	9-1/16	1.15
FA-105.280	2-3/4	1-11/32	21/32	25/32	11-1/32	1.79
FA-105.375	3-1/8	1-25/32	7/8	7/8	14-23/32	3.36

PROTO-GRIP™ CAST IRON PIPE WRENCHES

- Gripping jaw teeth and spring-loaded hook jaw; allow one-hand operation or hands free option along with a ratcheting action for job speed.
- Standard handle lengths with wide gripping surface for increased comfort on all jobs.
- Forged steel jaw provides outstanding strength.
- Heel Jaw designed to work in both directions.
- Spring hook jaw provides a ratcheting function making threaded pipe fitting efficient.
- Hanging hole for storage.
- Field repairable by removing the rivet pin located on the bottom side of the jaw.
- Replacement parts available.



Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J810PG	1-1/2	10	1.98
J814PG	2	14	3.64

ALUMINUM PIPE WRENCHES

- Light weight aluminum for less job fatigue.
- Standard handle lengths with wide gripping surface for increased comfort and one-hand operation.
- Forged steel jaw provides outstanding strength.
- Large knurl and power threads provide fast, positive jaw adjustment.
- Graduation markings on hook jaw show approximate opening for pipe sizes.
- Riveted jaw pin for safety.
- Hanging hole for storage.
- Field repairable by removing the rivet pin located on the bottom side of the jaw.
- Replacement parts available.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J810A	1-1/2	10	1.10
J812A	2	12	1.72
J814A	2	14	2.15
J818A	3-1/2	18	3.60
J824A	4	24	5.65
J836A	5	36	10.60
J848A	6	48	17.00

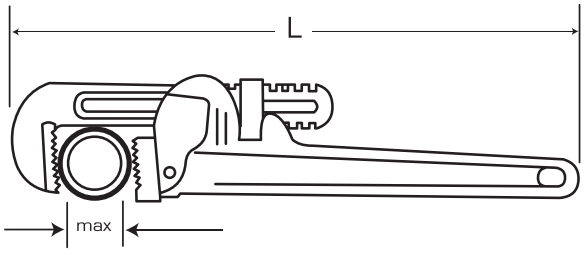


HEAVY-DUTY CAST IRON PIPE WRENCHES

- Forged steel jaw provides outstanding strength.
- Full floating hook jaw, provides instant grip, easy release.
- Large knurl and power threads provide fast, positive jaw adjustment.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J806HD	3/4	6	0.45
J808HD	1	8	0.8
J810HD	1-1/2	10	1.76
J812HD	2	12	2.66
J814HD	2	14	3.76
J818HD	3-1/2	18	5.82
J824HD	4	24	9.58
J836HD	5	36	19.32
J848HD	6	48	35.36
J860HD	8	60	41.4





PIPE WRENCH REPLACEMENT PARTS

- Replacement parts for heavy-duty pipe wrenches.

Parts For	Handle, Heel Jaw, and Pin Assemble	Weight (lbs)	Hook Jaw	Weight (lbs)	Heel Jaw and Pin	Weight (lbs)	Knurl	Weight (lbs)	Coil and Flat Spring	Weight (lbs)
J806HD	J806H	0.33	J806B	0.11	J806C	0.02	J806D	0.03	J806E	0.01
J808HD	J808H	0.61	J808B	0.23	J808C	0.04	J808D	0.03	J808E	0.01
J810HD	J810H	1.20	J810B	0.45	J810C	0.08	J810D	0.07	J810E	0.01
J812HD	J812H	1.97	J812B	0.68	J812C	0.15	J812D	0.09	J812E	0.02
J814HD	J814H	2.79	J814B	0.97	J814C	0.15	J814D	0.11	J814E	0.03
J818HD	J818H	4.09	J818B	1.57	J818C	0.23	J818D	0.18	J818E	0.04
J824HD	J824H	7.35	J824B	2.36	J824C	0.32	J824D	0.31	J824E	0.06
J836HD	J836H	14.40	J836B	4.37	J836C	0.58	J836D	0.47	J836E	0.07
J848HD	–	–	J848B	7.31	J848C	0.72	J848D	0.68	J848E	0.11
J860HD	–	–	J860B	12.50	J860C	1.50	J860D	0.85	J860E	0.08

Parts For	Hook Jaw	Weight (lbs)	Heel Jaw	Weight (lbs)	Pin	Weight (lbs)	Spring	Weight (lbs)
J810PG	J810PGB	0.60	J810PGC	0.31	J810PGD	0.04	J810PGE	0.01
J814PG	J814PGB	0.84	J814PGC	0.29	J814PGD	0.08	J814PGE	0.01

4 PIECE INTERNAL PIPE WRENCH SET

Product #: J140SET

- Ideal for removing broken threaded pipe ends, plugs, and fittings.
- Installation and removal without thread damage.
- Eccentric cam action engages wrench against the walls of the pipe.
- Hex body allows for use of adjustable wrench for added torque.
- Made from hardened steel and plated to help prevent rust.
- Weight (lbs): 1.95

Contents	Size (in)	Overall Length (in)
J140-38	3/8	3
J140-34	3/4	3
J140-12	1/2	3
J140-1	1	3



INTERNAL PIPE WRENCHES

- Ideal for removing broken threaded pipe ends pipe plugs and fittings.
- Installation and removal without thread damage.
- Eccentric cam action engages wrench against the walls of the pipe.
- Hex body allows for use of adjustable wrench for added torque.
- Made from hardened steel and plated to help prevent rust.

Product #	Size (in)	Overall Length (in)	Weight (lbs)
J140-38	3/8	3	0.21
J140-34	3/4	3	0.49
J140-12	1/2	3	0.32
J140-1	1	3	0.85



UNIVERSAL CHAIN WRENCH

- Fits any shape pipe.
- Forged steel handle has deep milled teeth.
- Chain capacity rating: 6,200 lbs.

Product #	Capacity Range	Overall Length (in)	Weight (lbs)
J801	7/8 to 4	16-1/2	2.33



UNIVERSAL CHAIN WRENCH REPAIR KIT

- Fits any shape pipe.
- Chain capacity rating: 6,200 lbs.

Product #	Overall Length (in)	Weight (lbs)
J801RK	6 1/5	0.73



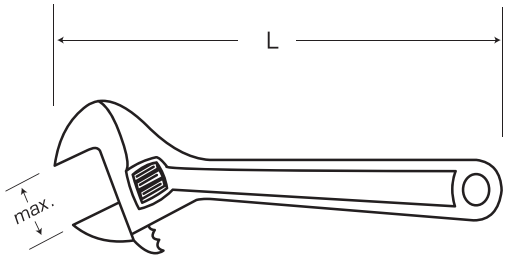
CUSHION GRIP ADJUSTABLE WRENCHES

- Soft cushion grip for additional comfort.
- Extra wide jaw capacity.
- Square jaw opening provides strength and tight fit.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704G	1/2	4	0.13
J706G	15/16	6	0.25
J708G	1-1/8	8	0.59
J710G	1-5/16	10	0.8
J712G	1-1/2	12	1.61

ASME B107.100





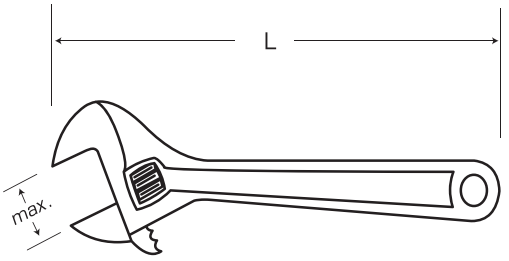
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SATIN ADJUSTABLE WRENCHES

- Satin finish provides corrosion resistance and a slip-resistant grip.
- Extra wide jaw capacity.
- Square jaw opening provides greater strength and better fit.
- Rugged I-beam style handle and reinforced stress areas; radius corner design.

Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
J704	1/2	4	0.17
J706	15/16	6	0.28
J708	1-1/8	8	0.58
J710	1-5/16	10	0.9
J712	1-1/2	12	1.58
J715	1-11/16	15	3
J718	2-1/16	18	4.26
J724	2-7/16	24	6.41
	AS4984		ASME B107.100





TUBING CUTTING AND FLARING SET

Product #: J349

- Cuts tubing from 1/8" through 1-1/8" O.D. and puts 45° flare on tubing 3/16" through 5/8".
- Weight (lbs): 4.40



Contents	Description
J350	Tubing Cutter
J351V	Flaring Block
J351Y	Flaring Yoke
J4029	Steel Storage Box

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TUBING CUTTER

- Cuts metal tubing from 1/8" through 1-1/8" O.D. quickly and cleanly.
- Features heat-treated alloy steel cutting blade, special rollers, and heavy-duty screw mounted in durable steel frame.
- Large screw-knob and retractable tubing reamer.



Product #	Diameter Dial	Weight (lbs)
J350	350c	0.82

TUBING FLARING TOOL

- A complete flaring tool for tubing 3/16" through 5/8" O.D.
- Includes multiple hole 45° V-block ad flaring yoke with hardened, polished, ball-bearing mounted cone.
- Ideal for use on copper tubing; not recommended for use on steel applications.



Product #	V-Blocks Only	Yoke Only	Weight (lbs)
J351	351V	351Y	0.82

7 PIECE PROTO® HOLLOW SHAFT NUT DRIVER SET

Product #: J9200H

- Full hollow shaft design for maximum bolt clearance.
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Color coded handles for easy size identification.
- Weight (lbs): 4.22



Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206H	3/16	2-3/4	6-11/16	ASME B107.12
J9208H	1/4	2-3/4	6-11/16	ASME B107.12
J9210H	5/16	2-3/4	6-11/16	ASME B107.12
J9211H	11/32	2-3/4	6-11/16	ASME B107.12
J9212H	3/8	2-3/4	6-11/16	ASME B107.12
J9214H	7/16	2-3/4	6-11/16	ASME B107.12
J9216H	1/2	2-3/4	6-11/16	ASME B107.12
J9200CBB	Blow-Molded Case			

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11 PIECE PROTO® NUT DRIVER SET

Product #: J9200DB

- Precision formed, heat-treated hex openings.
- Color coded handles for easy identification.
- One-piece shaft design for greater strength and durability.
- Weight (lbs): 4.22

Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206	3/16	2-3/4	6-11/16	ASME B107.12
J9207	7/32	2-3/4	6-11/16	ASME B107.12
J9208	1/4	2-3/4	6-11/16	ASME B107.12
J9209	9/32	2-3/4	6-11/16	ASME B107.12
J9210	5/16	2-3/4	6-11/16	ASME B107.12
J9211	11/32	2-3/4	6-11/16	ASME B107.12
J9212	3/8	2-3/4	6-11/16	ASME B107.12
J9214	7/16	2-3/4	7	ASME B107.12
J9216	1/2	2-3/4	7	ASME B107.12
J9218	9/16	2-3/4	7	ASME B107.12
J9220	5/8	2-3/4	7	ASME B107.12
J9200DPB	Blow-Molded Case			



7 PIECE PROTO® NUT DRIVER SET

Product #: J9200C

- Precision formed, heat-treated hex openings.
- Color coded handles for easy identification.
- One-piece shaft design for greater strength and durability.
- Weight (lbs): 1.77

Contents	Size (in)	Length (in) (L1)	Overall Length (in) (L)	ASME Spec.
J9206	3/16	2-3/4	6-11/16	ASME B107.12
J9207	7/32	2-3/4	6-11/16	ASME B107.12
J9208	1/4	2-3/4	6-11/16	ASME B107.12
J9209	9/32	2-3/4	6-11/16	ASME B107.12
J9210	5/16	2-3/4	6-11/16	ASME B107.12
J9211	11/32	2-3/4	6-11/16	ASME B107.12
J9212	3/8	2-3/4	6-11/16	ASME B107.12
J25TR24C	Pouch			



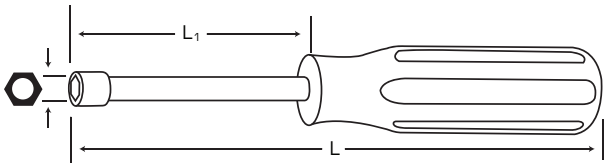
TRADITIONAL NUT DRIVERS

- Full hollow shaft design for maximum bolt clearance (part numbers ending with "H").
- One-piece shaft design for greater strength and durability.
- Ideal for electronics, assembly, and various industrial applications.
- Color coded handles for easy size identification.

Product #	Size (in)	Size (mm)	Length (in) (L1)	Weight (lbs)
J9206H	3/16	–	2-3/4	0.18
J9208H	1/4	–	2-3/4	0.18
J9210H	5/16	–	2-3/4	0.19
J9211H	11/32	–	2-3/4	0.22
J9212H	3/8	–	2-3/4	0.19
J9214H	7/16	–	2-3/4	0.27
J9216H	1/2	–	2-3/4	0.27
J9206	3/16	–	2-3/4	0.20
J9207	7/32	–	2-3/4	0.20
J9208	1/4	–	2-3/4	0.19
J9209	9/32	–	2-3/4	0.23
J9210	5/16	–	2-3/4	0.23
J9211	11/32	–	2-3/4	0.22
J9212	3/8	–	2-3/4	0.23
J9214	7/16	–	2-3/4	0.34
J9216	1/2	–	2-3/4	0.34
J9218	9/16	–	2-3/4	0.45
J9220	5/8	–	2-3/4	0.50
J9204M	–	4	2-7/8	0.19
J9205M	–	5	2-7/8	0.19
J92055M	–	5.5	2-7/8	0.19
J9206M	–	6	2-7/8	0.19
J9207M	–	7	2-7/8	0.22
J9208M	–	8	2-7/8	0.22
J9209M	–	9	2-7/8	0.24
J9210M	–	10	2-7/8	0.29
J9211M	–	11	2-7/8	0.36
J9212M	–	12	2-7/8	0.36
J9213M	–	13	2-7/8	0.43
J9214M	–	14	2-7/8	0.50

ASME B107.12

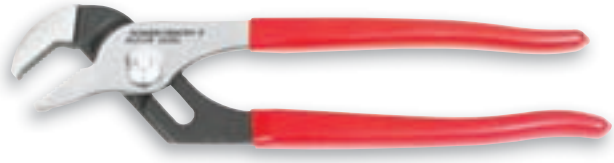






TONGUE AND GROOVE POWER-TRACK® II PLIERS

- Precision milled undercut groove joint provides interlocking feature for powerful non-slip performance.
- Special fastener ensures permanent assembly, yet allows for easy adjustment.
- Angled teeth provide superior gripping power over standard right angled teeth.
- Plastisol grips for added comfort.
- Natural finish.



Product #	Overall Length (in) (L)	Max. Opening (in)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J261SG	4-5/8	15/32	7/8	13/16	3/16	0.15
J262SG	7-1/16	1-1/8	1-3/8	1-3/4	5/16	0.48
J260SG	10-3/16	2-1/8	1-15/16	2-3/4	13/32	1.00
J264SG	12	2-5/8	2-1/4	2-3/4	3/8	1.81
J265SG	16-7/8	4-1/16	3-3/8	4-1/8	17/32	3.50

ASME B107.500

SOFT JAW - CANNON PLUG PLIERS

- Capacity of 3/4" to 2-1/2".
- Four position pivot design provides greater concentricity.
- Replaceable urethane padded jaws protect work piece from marking or scratching
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Max. Opening (in)	Replacement Item	Weight (lbs)
J253G	9-1/2	3/4 - 2-1/2	253GRK	0.54

HOSE CLAMP PLIERS

- Installs and removes wire spring tension clamps.
- Two position jaws grip full range of clamp sizes.
- Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J252G	7-3/4	0.56

OPTIMUM GRIP LOCKING PLIERS



- Jaw configuration combining straight, curved and convex profiles.
- Versatile tool securely gripping round, flat and large objects.
- Multi-use for plumbers, welders and others.

Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J280XL	7-7/8	1-25/32	27/64	27/64	0.90
J281XL	9-27/32	2-5/32	1/2	1/2	1.43

LOCKING CHAIN PLIERS



- Flexible heavy-duty, heat-treated chain which adjusts quickly around any shaped object even in awkward areas.
- Use to remove oil filters or holding odd shapes for welding.
- Replacement chain available - J262RC

Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J262XL	9-27/32	45/64	1.98

LOCKING CHAIN PIPE CUTTER



- 13 Alloy steel cutting wheels to evenly cut difficult to reach thin wall pipes by hand ratcheting.
- Locking mechanism - no squeezing, avoids risk of lateral movement and misaligned cutting.
- Butterfly screw for easy feeding as cutting.
- Cuts through steel, copper, aluminum, and some stainless steels.
- Great for exhaust pipe repair and removal.
- Use in plumbing and heating.
- Replacement chain available - J263RC

Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J263XL	9-27/32	1-3/32	1.76

LOCKING CHAIN PIPE CUTTER PLUS



- 15 Alloy steel cutting wheels to evenly cut difficult to reach piping up to 1/4 / 6 mm wall thickness by hand ratcheting.
- Locking mechanism- no squeezing, avoids risk of lateral movement and misaligned cutting.
- Cuts through galvanized steel, some stainless steels, copper, PVC, and aluminum.
- Problem solving and time saving, ideal for plumbing, heating, joinery, and general maintenance.
- Replacement chain available - J264RC

Product #	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
J264XL	11-9/11	1-11/64	2.76

ROUND HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4752FRK	1/4	J4752F, J4752FBL	0.10
J5252FRK	3/8	J5252F, J5252FBL, J5257F	0.60
J5452FRK	1/2	J5452F, J5452FBL, J5454F, J5457F	0.30



PEAR HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchet #	Weight (lbs)
J4749XLRK	1/4	J4749XL	0.04
J4749XLHSRK	1/4	J4749XLHS	0.06
J4749RK	1/4	J4749	0.04
J4749HSRK	1/4	J4749HS	0.04
J6064RK	3/8	J5248S	0.07
J5249XLRK	3/8	J5249XL	0.13
J5249FWRK	3/8	J5249FW	0.13
J5249HSRK	3/8	J5249HS	0.15
J5249XLHSRK	3/8	J5249XLHS	0.15
J5449RK	1/2	J5449	0.38
J5449UTRK	1/2	J5449UT	0.38
J5449XLRK	1/2	J5449XL	0.23
J5449-14RK	1/2	J5449-14BL	0.37
J5450FWRK	1/2	J5450FW	0.26
J5649FWRK	3/4	J5649FW	1.00
J5649RK	3/4	J5649	1.00



REVERSE CAM REPAIR KIT

Product #	Drive Size (in)	Weight (lbs)
J5649RC	3/4	0.02



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TORQUE MULTIPLIER SQUARE DRIVE REPLACEMENT KITS

- Proto® torque multipliers provide overload protection with replaceable output square drives that are designed to twist off at 3%-10% over maximum output capacity.



Product #	Drive Size (in)	Torque Multiplier #	Weight (lbs)
J6212RD	3/4	J6212	0.20
J6222RD	1	J6222 or J6234	0.53
J6232RD	1	J6232	0.56
J6242RD	1-1/4	J6242	1.55
J6252RD	1-1/2	J6252	1.72

RATCHET HEAD REPAIR KITS - TORQUE WRENCH

- 1/4" to 1" ratchet wheels made from alloy steel for uncompromising strength and durability.
- Field repair your torque wrench ratchet head easily with the corresponding repair kit.



Product #	Drive Size (in)	Torque Wrench #	Weight (lbs)
J6062RK	1/4	J6062C, J6062CX, J6062CXCERT	0.06
J6064RK	3/8	J6064C, J6064CX, J6064CXCERT	0.07
J6006RK	3/8	J6006C, J6006CX, J6006CXCERT, J6006MC, J6006NMC, J6012C, J6066C, J6066CX, J6066CXCERT	0.18
J6014RK	1/2	J6014C, J6014CX, J6014CXCERT, J6014MC, J6014NMC, J6016C, J6016CX, J6016CXCERT, J6016MC, J6016NMC, J6068C, J6072C, J6072CX, J6072CXCERT	0.37
J6008RK	1/2	J6008C, J6008CX, J6008CXCERT	0.19
J6018RK	3/4	J6018AB, J6018CX, J6018CXCERT, J6020AB, J6020CX, J6020CXCERT, J6020NM	1.36
J6022RK	1	J6022B	1.51

3/4" DRIVE HEX BIT REPAIR KITS



Product #	Drive Size (in)	Hex Bit #	Weight (lbs)
J075901RK	3/4	J075901	0.94
J075903/4RK	3/4	J075903/4	0.41
J075905/8RK	3/4	J075905/8	0.21
J075907/8RK	3/4	J075907/8	0.62
J075909/16RK	3/4	J075909/16	0.18

CANNON PLUG PLIERS REPAIR KIT

Product #	Weight (lbs)
J253GRK	0.01



UNIVERSAL CHAIN WRENCH REPAIR KIT

- Fits any shape pipe.
- Chain capacity rating: 6,200 lbs



Product #	Weight (lbs)
J801RK	0.73

PIPE WRENCH REPLACEMENT PARTS

› Replacement parts for heavy-duty pipe wrenches.

Parts For	Handle, Heel Jaw, and Pin Assemble	Weight (lbs)	Hook Jaw	Weight (lbs)	Heel Jaw and Pin	Weight (lbs)	Knurl	Weight (lbs)	Coil and Flat Spring	Weight (lbs)
J806HD	J806H	0.33	J806B	0.11	J806C	0.02	J806D	0.03	J806E	0.01
J808HD	J808H	0.61	J808B	0.23	J808C	0.04	J808D	0.03	J808E	0.01
J810HD	J810H	1.20	J810B	0.45	J810C	0.08	J810D	0.07	J810E	0.01
J812HD	J812H	1.97	J812B	0.68	J812C	0.15	J812D	0.09	J812E	0.02
J814HD	J814H	2.79	J814B	0.97	J814C	0.15	J814D	0.11	J814E	0.03
J818HD	J818H	4.09	J818B	1.57	J818C	0.23	J818D	0.18	J818E	0.04
J824HD	J824H	7.35	J824B	2.36	J824C	0.32	J824D	0.31	J824E	0.06
J836HD	J836H	14.40	J836B	4.37	J836C	0.58	J836D	0.47	J836E	0.07
J848HD	–	–	J848B	7.31	J848C	0.72	J848D	0.68	J848E	0.11
J860HD	–	–	J860B	12.50	J860C	1.50	J860D	0.85	J860E	0.08

Parts For	Hook Jaw	Weight (lbs)	Heel Jaw	Weight (lbs)	Pin	Weight (lbs)	Spring	Weight (lbs)
J810PG	J810PGB	0.60	J810PGC	0.31	J810PGD	0.04	J810PGE	0.01
J814PG	J814PGB	0.84	J814PGC	0.29	J814PGD	0.08	J814PGE	0.01

COMPRESSION GAUGE PARTS

Product #	Overall Length (in)	Use With	Weight (lbs)
JCTG1	3-1/2	JCT21, JCTR10	0.39
JCT21RK	7-3/16	JCT21	0.29
JCTR10-7A	7/16	JCTR10	0.01
JCTR10RK	22-5/16	JCTR10	0.80
JCTR20-4C	2-5/16	JCTR20	0.35
JCTR20RK	9-1/2	JCTR20	0.48



REPAIR KITS

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ADAPTERS

#5 Spline Drive Impact
#5 Spline Drive Impact Adapters - Male Square 525

1/4" Drive
1/4" Drive Adapters 270, 295, 1004
1/4" Drive Locking Adapters. 270, 295

3/8" Drive
3/8" Drive 6 PC Adapter Set 341
3/8" Drive Drive Adapters. 270, 352, 1004
3/8" Drive Locking Adapter 270, 352
3/8" Drive Impact Adapter 472

3/8" Drive Impact
3/8" Drive Impact Adapters 472

3/8" Drive Ratchet
3/8" Drive Ratchet Adapters 350

3/8" Drive Torque
3/8" Drive 9 PC Torque Adapter Set - 12 Point 546
3/8" Drive Torque Adapters - 12 Point 546

1/2" Drive
1/2" Drive Adapters 270, 408, 1084
1/2" Drive Locking Adapter 270, 408
1/2" Drive Impact Adapter 497

1/2" Drive Ratchet
1/2" Drive Ratchet Adapter 406

3/4" Drive
3/4" Drive Drive Adapters. 270, 428

3/4" Drive Impact
3/4" Drive Adapters 509

3/4" Drive Ratchet
3/4" Drive Ratchet Adapters 427

1" Drive
1" Drive Adapters 270, 434

1" Drive Impact
1" Drive Impact Adapters 515
1" Drive Impact Adapter - Male Spline 516

1-1/2" Drive Impact
1-1/2" Drive Impact Adapters 521
1-1/2" Drive Impact Adapter - Male Spline 521

Ratchet
Ratchet Adapters 267

BIT SETS

38 PC Insert/Power Bit Set 693
28 PC Magnetic Screwdriver Bit Set. 691
11 PC 1/4" and 3/8" Drive Torx® Bit Set 694
11 PC Magnetic Ratcheting Screwdriver Bit Set 692
10 PC Insert Bit Set With Storage Box 694
7 PC 3/8" Drive Torx® Bit Set 695
5 PC Magnetic Ratcheting Screwdriver Bit Set 692
5 PC Magnetic Screwdriver Bit Set—Long Reach. 692

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Holders
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Magnetic Bit Holders 690
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Power Bit Holder 690

Phillips Bits
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Phillips® Hex Insert Bits. 688
Phillips® Power Insert Bits 688

Slotted Bits
Slotted Hex Insert Bits 688

Square Tip Bits
Square Hex Insert Bits 689

Torx® Bits
Torx® Hex Insert Bits 689
Torx® Tamper-Proof Hex Insert Bits 689

SAFETY TIP: MEASURING TAPES



Do not open the case. Spring motor is under tension and opening may cause injury.

BLADES

Blade Disposal
Stanley® Blade Disposal Container 955

Carpet
Stanley® Carpet Blades 953

Coping Saw
Stanley® Coping Saw Blades. 966

Hacksaw
Stanley® Bi-Metal Hacksaw Blades. 965
Stanley® Carbon Steel Hacksaw Blades 966
Stanley® Carbide Grit Hacksaw Blades 966
Stanley® High Speed Hacksaw Blades 966

Razor Blades
Stanley® Glass and Tile Single Edge Blade 1044
Stanley® Mini-Razor Blade Scraper 1045
Stanley® Razor Blade Scraper 1045
Stanley® Scraper Blades 1044
Stanley® Single Edge Razor Blade 1044

Snap-Off

Stanley® FatMax® Snap-Off Blades . . . 953
Stanley® Heavy-Duty Quick-Point™ Snap-Off Blades . . . 953
Stanley® Quick-Point™ Snap-Off Blades . . . 953
Stanley® Snap-Off Hook Blades . . . 954

Specialty

Stanley® Low Angle Craft Blades . . . 954
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Stanley® Sheepfoot Blade . . . 954
Stanley® Utility Blade . . . 954
Stanley® Whittling Craft Blades . . . 954

Utility

Stanley® Carbide™ Blades . . . 950
Stanley® Drywall Asb Utility Blades . . . 950
Stanley® Extra Heavy-Duty Utility Blades . . . 951
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Check to see that the handle is tight before using.

Never use a hammer with a loose or damaged handle.



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Always keep your free hand away from the line of cut.



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3 PC Double End Flare Nut Wrench Set - 12 Point . . . 889
4 PC Internal Pipe Wrench Set . . . 894
5 PC Metric Double End Flare Nut Wrench Set - 6 Point . . . 888
5 PC Metric Double End Flare Nut Wrench Set - 12 Point. . . . 889
7 PC Combination Flare Nut Wrench Set - 6 Point . . . 887
7 PC Combination Flare Nut Wrench Set - 12 Point. . . . 887
7 PC Proto® Hollow Shaft Nut Driver Set. . . . 897
7 PC Proto® Nut Driver Set . . . 898
7 PC Ratcheting Flare Nut Wrench Set - 12 Point . . . 891
11 PC Proto® Nut Driver Set . . . 898
35 PC HVAC Add-On Set . . . 885
37 PC Plumber's Tool Set . . . 886
70 PC Starter Tool Set . . . 884
105 PC Basic Tool Set . . . 882
Aluminum Pipe Wrenches. . . . 893
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Cushion Grip Adjustable Wrenches . . . 895
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Satin Double End Flare Nut Wrenches - 6 Point 889
Satin Double End Flare Nut Wrenches - 12 Point 890
Satin Metric Double End Flare Nut Wrenches - 6 Point 890
Satin Metric Double End Flare Nut Wrenches - 12 Point 890
Soft Jaw - Cannon Plug Pliers 900
Tongue and Groove Power-Track® II Pliers 900
Traditional Nut Drivers 899
Tubing Cutter. 897
Tubing Cutting and Flaring Set. 896
Tubing Flaring Tool 897
Universal Chain Wrench 895
Universal Chain Wrench Repair Kit 895

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6 Ton 2-Way Straight Jaw Puller Set. 791
6 Ton General Puller Set 780
6 Ton Standard Puller Set. 781
6 Ton Wide Puller Set. 780
6 Ton Proto-Ease™ 2-Way Adjustable
6 Ton Proto-Ease™ 2-Way/3-Way Cone Puller Set 787
6 Ton Proto-Ease™ 3-Way Cone Puller Set 788
10 Ton Proto-Ease™ Press-N-Pull™ Set 782
10 Ton Proto-Ease™ Wide Puller Set. 781
10 Ton 2-Way Straight Jaw Puller Set 793
10 Ton Proto-Ease™ 2-Way Straight Jaw Puller Set. 795
10 Ton Press-N-Pull™ 3-Leg Puller Set 797
10-Way Proto-Ease™ Advantage Slide Hammer Puller Set. . . . 799
Jaw Puller Set 791
Proto-Ease™ Bearing Separator Set 782
Proto-Ease™ General Puller Set 783
Proto-Ease™ Master Puller Set 784
Proto-Ease™ Master Puller Set (With Box) 785

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Gear and Bearing Seperator

Proto-Ease™ Gear and Bearing Separator 801, 803

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2 Jaw Gear Puller, 4" 805
2 Jaw Gear Puller, 7" 805
2 Jaw Gear Puller, 10" 806
3 Jaw Gear Puller, 4" 805
3 Jaw Gear Puller, 8" 805
3 Jaw Gear Puller, 11" 806

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6 Ton Jaw Block Assembly 791
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Jaw Puller

2-Way Crossarm Threaded 5/8" - 12 Acme 812
2-Way/3-Way Crossarm Threaded 5/8" - 12 Acme 812
3 Jaw Gear Puller, 7" - Reversible 806
3 Jaw Gear Puller, 10" - Reversible 807
3-Way Crossarm Threaded 3/4" - 12 Acme 812
6 Ton 2-Way Threaded Part Puller 804
6 Ton 3-Way Cone Puller 788
6 Ton Proto-Ease™ 2-Way/3-Way
6 Ton Proto-Ease™ 2-Way Pilot Bearing/Small Bushing Puller . . 800
6 Ton Proto-Ease™ 2-Way Straight Jaw Puller 790
10 Ton Press-N-Pull™ 2-Leg Puller. 797
10 Ton Proto-Ease™ 2-Way Adjustable Jaw Puller 792
10 Ton Proto-Ease™ 3-Way Straight Jaw Puller. 794
10 Ton Proto-Ease™ 3-Way Adjustable Jaw Puller 792
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Battery Cable and Small Bearing Puller 806
Bearing Separator Combo Pack 800
Blind Bearing Puller. 811
Cap Screw 808
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Jaws 808, 811, 812
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Pivot Pin - Puller Replacement Part 808
Puller Step Plate Adapters 804
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Reversible Adjusting Nut 809
Reversible Jaw Slide Hammer Puller. 799
Separator Threaded Rods. 813
Slide Hammer 810
Slideblock 809
Slotted Crossarm (2-Way & 3-Way) 809
Slotted Crossarm Threaded 5/8" - 12 Acme 809
Spring Clip 811
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Punch and Chisel Holder 767

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12 PC Punch and Chisel Set. 758
12 PC Stanley® Punch and Chisel Set 989
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3 PC Brass Drift Punch Set 765
3 PC Brass Heavy-Duty Punch Set. 765
6 PC Stanley® Pin Punch Set 989
5 PC Drift Punch Set 763
5 PC Long Drive Pin Punch Set 761
7 PC Drift Punch Set 762
7 PC Roll Pin Punch Set. 763
7 PC Pin Punch Set. 764
7 PC Super-Duty Pin Punch Set 762
11 PC Facom® Shock Absorbing Punch Set. 764

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Never use a standard screwdriver as a cold chisel, for prying, punching, or chiseling.



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Drift Punches . . . 769
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3/8" Drive Standard Length Classic Pear Head Ratchets . . . 348
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Reverse Cam

Reverse Cam Repair Kit . . . 902

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Torque Multiplier
Torque Multiplier Square Drive Replacement Kits 903

Torque Wrench
Ratchet Head Repair Kits - Torque Wrench. 903

Universal Chain Wrench
Universal Chain Wrench Repair Kit 904

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Stanley® Fold-Up Sawhorse 1097
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Stanley® Compact Fine Cut Saw 959

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Stanley® Adjustable Hacksaw With Rubber Grip 963
Stanley® Adjustable Tubular Frame Hacksaw 963
Stanley® Composite Hacksaw 963
Stanley® FatMax® High Tension Hacksaw 962
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Stanley® Metal Mini-Hack™ Utility Saw 963
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Stanley® 3-In-1 Saw Set 964
Stanley® 3-Blade Nest-Of-Saws 964
Stanley® FatMax® Multi-Purpose Saw 964

Pull
Stanley® FatMax® Double Edge Pull Saw 959
Stanley® FatMax® Single Edge Pull Saw 959

PVC
Stanley® FatMax® PVC Saw 960

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Combination Screw Starters 695
Phillips® Screw Starters 695
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2 PC Precision Combination Proto® Screwdriver Set 677
4 PC Precision Combination Proto® Screwdriver Set 677
6 PC Combination Proto® Screwdriver Set 673
8 PC Combination Proto® Screwdriver Set 672
8 PC Combination Super Proto® Screwdriver Set 682
8 PC Combination Super Proto® Black Screwdriver Set 683
8 PC Long Combination Proto® Screwdriver Set 673
19 PC Combination Proto® Screwdriver Set 671
19 PC Combination Super Proto® Screwdriver Set 680

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Jeweler's
6 PC Stanley® Jeweler's Precision Screwdriver Set 1025

Phillips
6 PC Phillips® Proto® Screwdriver Set 674
6 PC Phillips® Super Proto® Black Screwdriver Set 683
6 PC Phillips® Super Proto® Screwdriver Set 684

Precision
6 PC Stanley® Precision Screwdriver Set. 1025

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6 PC Slotted Proto® Screwdriver Set 675
6 PC Slotted Super Proto® Screwdriver Set 681

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3 PC Square Tip Proto® Screwdriver Set 677

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2 PC Stanley® Standard Fluted Screwdriver Set 1016
5 PC Stanley® 100 Plus® Standard
5 PC Stanley® 100 Plus® Phillips® Tip Screwdriver Set 1018
6 PC Stanley® Vinyl Grip Diy Screwdriver Set 1012
6 PC Stanley® Vinyl Grip Pro Screwdriver Set 1013
6 PC Stanley® Standard Fluted Screwdriver Set 1016
7 PC Stanley® 100 Plus® Screwdriver Set 1018
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8 PC Stanley® 100 Plus® Vinyl Grip Screwdriver Set 1021
8 PC Stanley® Cushion Grip Screwdriver Set 1012
8 PC Stanley® Standard Fluted Screwdriver Set 1016
8 PC Stanley® Vinyl Grip Screwdriver Set 1012
10 PC Stanley® Standard Fluted Screwdriver Set 1015
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11 PC Stanley® FatMax® Screwdriver Set 1010
12 PC Stanley® 100 Plus® Combination Screwdriver Set 1021
18 PC Stanley® 100 Plus® Combination Screwdriver Set 1021
20 PC Stanley® Standard Fluted Screwdriver Set 1015
29 PC Stanley® Ratcheting Screwdriver Set 1022
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Stanley® Standard Fluted Phillips® Tip Screwdrivers 1017
Stanley® Standard Fluted Square Tip Screwdrivers 1017
Stanley® Standard Fluted Torx® Tip Screwdrivers 1017
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7 PC Torx® Super Proto® Black Screwdriver Set 684
9 PC Torx® Proto® Screwdriver Set 676

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Hex

Proto® Hex Screwdrivers 686

Insulated

Facom® Insulated Screwdrivers 687

Magnetizer

Magnetizer/Demagnitizer 695

Multi-Bit

6-In-1 Stanley® Multi-Bit Screwdriver 1024
Stanley® 6-Way Cushion Grip Screwdriver 1024
Stanley® 9-Way Screwdriver 1024
Stanley® FatMax® Multi-Bit Ratcheting Screwdriver 1023
Stanley® Multi-Bit Ratcheting Screwdriver Sets 1023
Stanley® Stubby Multi-Bit Ratcheting Screwdriver 1023

Offset

Phillips® Offset Screwdrivers 696
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Pocket

Stanley® 4-In-1 Bi-Material Pocket Driver 1024

Scratch Awl

Stanley® Wood Handle Scratch Awl 1025

Soft Grip

Proto® Soft Grip Phillips® Screwdrivers 686
Proto® Soft Grip Slotted Screwdrivers 686

Stanley

Stanley® 100 Plus® Cabinet Slotted Tip Screwdrivers 1020
Stanley® 100 Plus® Cabinet Slotted Tip Screwdrivers 1020
Stanley® 100 Plus® Phillips® Pocket Screwdrivers With Clip . . . 1019
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Stanley® 100 Plus® Phillips® Tip Stubby Screwdriver 1021
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Stanley® Vinyl Grip Standard Slotted Tip Stubby Screwdriver . . 1013

Super Proto

Super Proto® Screwdrivers 685

SAFETY TIP: HAMMERS

Never strike one hammer with another.



SHEARS

Stanley® All-Purpose Shears 955

SNIP SETS

Stanley

3 PC Stanley® Compound Action Aviation Snips Set 1060
3 PC Stanley® FatMax® Compound Action Aviation Snips Set . . 1060

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SNIPS

Aviation Snips 750
Aviation Snips - Offset 751
Circular Cutting Duckbill Snips 750
Heavy-Duty Snips 750
Miniature Snips 751
Stanley® All-Purpose Snips 1060
Stanley® FatMax® Compound Action Aviation Snips 1059
Stanley® FatMax Xtreme® Aviation Snips 1059
Straight Cutting Snips 751

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1/4" Drive

1/4" Drive Socket Driver 267, 293
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3/8" Drive

3/8" Drive Flexible Driver 350

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99 PC Stanley® 1/4" and 3/8" Drive
Fractional/Metric Black Chrome Socket Set 1078
69 PC Stanley® 1/4" and 3/8" Drive
Fractional/Metric Black Chrome Socket Set 1079
40 PC Stanley® 1/4" and 3/8" Drive
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3/8" Drive 29 PC Metric Combination Socket Set - 6 Point . 310. 311
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3/8" Drive 21 PC Metric Socket Set - 12 Point 327
3/8" Drive 20 PC Metric Socket Set - 12 Point 314, 314
3/8" Drive 18 PC Metric Deep Socket Set - 6 Point 328
3/8" Drive 18 PC Metric Deep Socket Set - 12 Point 328
3/8" Drive 16 PC Metric Socket Set - 12 Point 321, 322
3/8" Drive 15 PC Socket Set - 12 Point 322, 323
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3/8" Drive 13 PC Deep Socket Set - 6 Point 330
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3/8" Drive 12 PC Socket Set - 12 Point 325, 326
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3/8" Drive 10 PC Deep Socket Set - 12 Point 334
3/8" Drive 10 PC Socket Set - 6 Point 333
3/8" Drive 10 PC Socket Set - 12 Point 333
3/8" Drive 10 PC Stanley® Fractional Socket Set – 6 Point . . . 1080
3/8" Drive 10 PC Stanley® Metric Socket Set – 6 Point 1080
3/8" Drive 10 PC Stanley® Metric Deep Socket Set – 6 Point . . 1080
3/8" Drive 10 PC Super Short Socket Set - 6 Point 335
3/8" Drive 9 PC Stanley® Fractional Socket
and Extendable Ratchet Set – 12 Point 1080

SAFETY TIP: CHISELS

Use a chisel holder to prevent hand injury.



3/8" Drive Impact

3/8" Drive 19 PC Metric Deep Impact Socket Set - 6 Point . . . 457
3/8" Drive 19 PC Metric Impact Socket Set - 6 Point 457
3/8" Drive 15 PC Deep Impact Socket Set - 6 Point. 458
3/8" Drive 15 PC Impact Socket Set - 6 Point 458

3/8" Drive 13 PC Hand Impact Driver Set 459
3/8" Drive 12 PC Metric Thin Wall
Deep Impact Socket Set - 6 Point 459
3/8" Drive 11 PC Metric Deep Impact Socket Set - 6 Point . . . 460
3/8" Drive 11 PC Metric Impact Socket Set - 6 Point 460
3/8" Drive 9 PC Impact Socket Set - 6 Point 461
3/8" Drive 9 PC Deep Impact Socket Set - 6 Point 461
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3/8" Drive Insulated

Facom® 3/8" Drive 17 PC Insulated Socket Set - 12 Point. . . . 438

1/2" Drive

1/2" Drive 65 PC Combination Socket Set - 8 and 12 Point . . . 367
1/2" Drive 54 PC Metric Socket Set - 12 Point 373
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1/2" Drive 30 PC Socket Set - 12 Point 377, 378
1/2" Drive 29 PC Metric Socket Set - 12 Point 379, 380
1/2" Drive 27 PC Tool Set - 12 Point. 381
1/2" Drive 26 PC Socket Set - 12 Point 382
1/2" Drive 24 PC Metric Socket Set - 12 Point 389
1/2" Drive 23 PC Metric Deep Socket Set - 12 Point 394
1/2" Drive 23 PC Metric Socket Set - 6 Point 390
1/2" Drive 22 PC Metric Socket Set - 12 Point 383
1/2" Drive 19 PC Deep Socket Set - 6 Point 391
1/2" Drive 19 PC Deep Socket Set - 12 Point 392
1/2" Drive 19 PC Socket Set - 6 Point 393
1/2" Drive 19 PC Socket Set - 12 Point 393
1/2" Drive 18 PC Socket Set - 6 Point 385
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1/2" Drive 16 PC Metric Socket Set - 12 Point 387
1/2" Drive 16 PC Socket Set - 12 Point 386
1/2" Drive 15 PC Black Oxide Socket Set - 12 Point 397
1/2" Drive 15 PC Deep Socket Set - 12 Point 392
1/2" Drive 15 PC Metric Deep Socket Set - 12 Point 396
1/2" Drive 15 PC Metric Socket Set - 6 Point 395
1/2" Drive 15 PC Metric Socket Set - 12 Point 395
1/2" Drive 15 PC Socket Set - 6 Point 394
1/2" Drive 15 PC Socket Set - 12 Point 396
1/2" Drive 15 PC Stanley® Fractional Socket Set – 12 Point . . . 1080
1/2" Drive 15 PC Stanley® Metric Socket Set – 12 Point 1081
1/2" Drive 12 PC Socket Set - 12 Point 388
1/2" Drive 11 PC Deep Socket Set - 12 Point 397
1/2" Drive 11 PC Stanley® Metric Deep Socket Set – 6 Point . . 1081
1/2" Drive 10 PC Stanley® Metric Socket Set – 6 Point 1081
1/2" Drive 6 PC Stanley® Metric Deep Socket Set – 6 Point . . . 1081

1/2" Drive Impact

1/2" Drive 25 PC Metric Impact Socket Set - 6 Point 474
1/2" Drive 25 PC Metric Deep Impact Socket Set - 6 Point . . . 475
1/2" Drive 19 PC Deep Impact Socket Set - 6 Point. 476
1/2" Drive 19 PC Impact Socket Set - 6 Point 476
1/2" Drive 18 PC Metric Deep Impact Socket Set - 6 Point . . . 477
1/2" Drive 16 PC Stanley® Metric Socket Set – 6 Point 1078
1/2" Drive 15 PC Deep Impact Socket Set - 6 Point. 479
1/2" Drive 15 PC Deep Thin Wall Impact Socket Set - 6 Point . . 479
1/2" Drive 15 PC Impact Socket Set - 6 Point 477
1/2" Drive 15 PC Impact Metric Thin Wall Socket Set - 6 Point . 478
1/2" Drive 15 PC Metric Deep Impact Socket Set - 6 Point . . . 478
1/2" Drive 15 PC Metric Impact Socket Set - 6 Point 480
1/2" Drive 11 PC Deep Impact Socket Set - 6 Point. 480
1/2" Drive 11 PC Impact Socket Set - 6 Point 480
1/2" Drive 11 PC Stanley® Fractional
Deep Impact Socket Set – 6 Point 1082
1/2" Drive 11 PC Stanley® Fractional Deep Socket Set – 6 Point 1081
1/2" Drive 11 PC Stanley® Metric
Deep Impact Socket Set – 6 Point 1082
1/2" Drive 10 PC Metric Deep Impact Socket Set - 6 Point . . . 481
1/2" Drive 10 PC Metric Impact Socket Set - 6 Point 481
1/2" Drive 10 PC Stanley® Fractional Socket Set – 6 Point . . . 1081
1/2" Drive 8 PC Deep Impact Socket Set - 6 Point 482
1/2" Drive 7 PC Impact Socket Set - 6 Point 482
1/2" Drive 6 PC Stanley® Fractional Deep Socket Set – 6 Point . 1081

1/2" Drive Insulated

Facom® 1/2" Drive 17 PC Insulated Socket Set - 12 Point. . . . 441

3/4" Drive

3/4" Drive 42 PC Combination Socket Set - 12 and 6 Point . . . 422
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3/4" Drive 28 PC Metric Socket Set - 12 Point 424
3/4" Drive 20 PC Socket Set - 12 Point 425
3/4" Drive 19 PC Metric Socket Set - 12 Point 426
3/4" Drive 13 PC Socket Set - 12 Point 426

3/4" Drive Impact

3/4" Drive 21 PC Metric Impact Socket Set - 6 Point 499
3/4" Drive 15 PC Impact Socket Set - 6 Point 500
3/4" Drive 10 PC Impact Socket Set - 6 Point 501
3/4" Drive Deep Impact Socket - 4 Point 502
3/4" Drive Deep Impact Sockets - 6 Point 505
3/4" Drive Deep Thin Wall Impact Sockets - 6 Point. 506
3/4" Drive Impact Sockets - 4 Point 502
3/4" Drive Impact Sockets - 6 Point 503
3/4" Drive Impact Sockets - 8 Point 506
3/4" Drive Impact Sockets - 12 Point 507
3/4" Drive Metric Impact Sockets - 6 Point. 504
3/4" Drive Metric Deep Impact Sockets - 6 Point 505

1" Drive

1" Drive 17 PC Socket Set - 12 Point 432
1" Drive 22 PC Socket Set - 12 Point 432
1" Drive 29 PC Socket Set - 12 Point 431

SOCKET, BIT SETS

1/4" & 3/8" Drive

1/4" & 3/8" Drive 11 PC Torx® Bit Set 340
11 PC Stanley® Torx® Bit Set 1082

1/4" Drive

1/4" Drive 11 PC Hex Bit Set 289
1/4" Drive 8 PC Hex Bit Ball End Socket Set 289
1/4" Drive 6 PC Metric Hex Bit Set 289
1/4" Drive 6 PC Torx® Bit Set 289

1/4" Drive Impact

1/4" Drive 7 PC Torx® Impact Socket Set. 451

3/8" & 1/2" Drive

3/8" & 1/2" Drive 10 PC Hex Bit Set. 337, 338
3/8" & 1/2" Drive 10 PC Metric Hex Bit Set 337

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3/8" & 1/2" Drive Impact
3/8" and 1/2" Drive 10 PC Hex Bit Impact Socket Set. 463

3/8" Drive
3/8" Drive 8 PC Torx® Bit Set 340
3/8" Drive 7 PC Ball Style Extra-Long Hex Bit Set. 338
3/8" Drive 7 PC Extra-Long Hex Bit Set 339
3/8" Drive 7 PC Hex Bit Set. 338
3/8" Drive 7 PC Metric Hex Bit Set 339
3/8" Drive 7 PC Metric Short Hex Bit Set 339
3/8" Drive 7 PC Short Hex Bit Set. 339
3/8" Drive 7 PC Stanley® Fractional Hex Bit Socket Set 1082
3/8" Drive 6 PC Metric Extra-Long Hex Bit Set 340
3/8" Drive 6 PC Torx® Bit Set 340

3/8" Drive Impact
3/8" Drive 7 PC Hex Bit Impact Socket Set. 463
3/8" Drive 5 PC Metric Hex Bit Impact Socket Set 464
3/8" Drive 7 PC Torx® Bit Set 462
3/8" Drive 7 PC Torx® Impact Socket Set. 462

1/2" Drive
1/2" Drive 6 PC Extra-Long Hex Bit Set 399
1/2" Drive 6 PC Metric Hex Bit Set 399
1/2" Drive 7 PC Hex Bit Set. 398
1/2" Drive 10 PC Metric Hex Bit Set. 398

1/2" Drive Impact
1/2" Drive 7 PC Hex Bit Impact Socket Set. 483
1/2" Drive 6 PC Metric Hex Bit Impact Socket Set 484
1/2" Drive Impact Hex Bit Sockets. 494
1/2" Drive Metric Impact Hex Bit Sockets 495
1/2" Drive Torx® Impact Sockets. 495

3/4" Drive Impact
3/4" Drive 5 PC Impact Hex Bit Set 501
3/4" Drive Impact Hex Bit Sockets. 508

SAFETY TIP: PLIERS

Pliers should not be used for cutting hardened wire, unless specifically manufactured for this purpose.



SOCKETS

#5 Spline Budd Wheel
#5 Spline Drive Budd Wheel Deep Impact Socket. 525

#5 Spline Drive Impact
#5 Spline Drive Impact Sockets - 6 Point. 524

1/4" Drive
1/4" Drive Deep Sockets - 6 Point 297
1/4" Drive Deep Sockets - 12 Point 299
1/4" Drive Deep Sockets - Spline 301
1/4" Drive Metric Deep Sockets - 6 Point 297
1/4" Drive Metric Deep Sockets - 12 Point. 300
1/4" Drive Metric Sockets - 6 Point 296
1/4" Drive Metric Sockets - 12 Point 299
1/4" Drive Sockets - 6 Point. 296
1/4" Drive Sockets - 8 Point. 298
1/4" Drive Sockets - 12 Point 298
1/4" Drive Sockets - Spline 300

1/4" Drive Impact
1/4" Drive Impact Sockets - 6 Point 452
1/4" Drive Deep Impact Sockets - 6 Point 453
1/4" Drive High Strength Magnetic Sockets - 6 Point 454
1/4" Drive Metric Deep Impact Sockets - 6 Point. 454
1/4" Drive Metric High Strength Magnetic Impact Sockets - 6 Point 455
1/4" Drive Metric Impact Sockets - 6 Point. 453

1/4" Drive Insulated
Facom® 1/4" Drive Insulated Sockets - 6 Point 438

1/4" High Strength Power
1/4" Drive High Strength Magnetic Power Sockets - 6 Point. . . 526
1/4" Drive Metric High Strength Magnetic Power Sockets - 6 Point526

3/8" Drive
3/8" Drive Black Oxide Sockets - 12 Point 356
3/8" Drive Deep Black Oxide Sockets - 12 Point 358
3/8" Drive Deep Sockets - 6 Point 354
3/8" Drive Deep Sockets - 12 Point 357
3/8" Drive Deep Sockets - Spline 358
3/8" Drive Metric Deep Sockets - 6 Point 354
3/8" Drive Metric Deep Sockets - 12 Point. 357
3/8" Drive Metric Sockets - 6 Point 353
3/8" Drive Metric Sockets - 12 Point 356
3/8" Drive Sockets - 6 Point. 352
3/8" Drive Sockets - 8 Point. 355
3/8" Drive Sockets - 12 Point 355
3/8" Drive Sockets - Spline 358
3/8" Drive Super Short Sockets - 6 Point. 355

3/8" Drive Impact
3/8" Drive Deep Impact Sockets - 6 Point 467
3/8" Drive Deep Thin Wall Impact Sockets - 6 Point. 468
3/8" Drive High Strength Magnetic Impact Sockets - 6 Point . . 469
3/8" Drive Impact Sockets - 6 Point 466
3/8" Drive Impact Sockets - 8 Point 470
3/8" Drive Metric Deep Impact Sockets - 6 Point. 467
3/8" Drive Metric Deep Thin Wall Impact Sockets - 6 Point . . . 468
3/8" Drive Metric High Strength Magnetic Impact Sockets - 6 Point 469
3/8" Drive Metric Impact Sockets - 6 Point. 466

3/8" Drive Insulated
Facom® 3/8" Drive Metric Deep Insulated Sockets - 12 Point . . 440
Facom® 3/8" Drive Metric Insulated Sockets - 12 Point 440

3/8" High Strength Power
3/8" Drive High Strength Magnetic Power Sockets - 6 Point. . . 527
3/8" Drive Metric High Strength Magnetic Power Sockets - 6 Point527

1/2" Drive
1/2" Drive Black Oxide Sockets - 12 Point 414

1/2" Drive Black Oxide Deep Sockets - 12 Point 416
1/2" Drive Deep Sockets - 6 Point 411
1/2" Drive Deep Sockets - 12 Point 414
1/2" Drive Deep Sockets - Spline 417
1/2" Drive Metric Deep Sockets - 12 Point 415
1/2" Drive Metric Sockets - 6 Point 410
1/2" Drive Metric Sockets - 12 Point 413
1/2" Drive Sockets - 6 Point 409
1/2" Drive Sockets - 8 Point 411
1/2" Drive Sockets - 12 Point 412
1/2" Drive Sockets - Spline 416

1/2" Drive Impact

1/2" Drive Deep Impact Sockets - 6 Point 487
1/2" Drive Deep Impact Sockets - 8 Point 491
1/2" Drive Deep Impact Sockets - 12 Point 493
1/2" Drive Deep Thin Wall Impact Sockets - 6 Point 489
1/2" Drive High Strength Magnetic Impact Sockets - 6 Point . . . 493
1/2" Drive Impact Sockets - 8 Point 491
1/2" Drive Impact Sockets - 12 Point 492
1/2" Drive Impact Sockets - 6 Point 485
1/2" Drive Metric Deep Impact Sockets - 6 Point 488
1/2" Drive Metric Deep Thin Wall Impact Sockets - 6 Point . . . 490
1/2" Drive Metric High Strength Magnetic Impact Sockets - 6 Point 494
1/2" Drive Metric Impact Sockets - 6 Point 486
1/2" Drive Metric Impact Sockets - 12 Point 492
1/2" Drive Power Socket - 6 Point 490
Cotton Picker Socket 490

1/2" Drive Insulated

Facom® 1/2" Drive Metric Deep Insulated Sockets - 12 Point . . 442
Facom® 1/2" Drive Metric Insulated Sockets - 12 Point 442

1/2" High Strength Power

1/2" Drive High Strength Magnetic Power Sockets - 6 Point . . . 527

3/4" Drive

3/4" Drive Deep Sockets - 6 Point 428
3/4" Drive Metric Sockets - 12 Point 430
3/4" Drive Sockets - 12 Point 429
3/4" Drive Sockets - Spline 430

3/4" Drive Budd Wheel

3/4" Drive Budd Wheel Deep Socket 509

1" Drive

1" Drive Metric Sockets - 12 Point 435
1" Drive Sockets - 12 Point 434
1" Drive Sockets - Spline 435

1" Drive Budd Wheel

1" Drive Budd Wheel Deep Impact Socket 516

1" Drive Impact

1" Drive Deep Impact Sockets - 6 Point 514
1" Drive Metric Impact Sockets - 6 Point 513
1" Drive Impact Sockets - 4 Point 511
1" Drive Impact Sockets - 8 Point 511
1" Drive Impact Sockets - 6 Point 512

1-1/2" Drive Impact

1-1/2" Drive Deep Impact Sockets - 6 Point 519
1-1/2" Drive Impact Sockets - 6 Point 518
1-1/2" Drive Metric Impact Sockets - 6 Point 519

2-1/2" Drive Impact

2-1/2" Drive Impact Sockets - 6 Point 522

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1/4" Drive

1/4" Drive Ball End Hex Bit Sockets 304
1/4" Drive Hex Bit Sockets 303
1/4" Drive Metric Hex Bit Sockets 303
1/4" Drive Phillips® Screwdriver Bit Sockets 303
1/4" Drive Slotted Screwdriver Bit Sockets 303
1/4" Drive Torx® Screwdriver Bit Sockets 303

1/4" Drive Impact

1/4" Drive Torx® Impact Sockets 456

1/4" Drive Insulated

Facom® 1/4" Drive Insulated Hex Bit Sockets 438

3/8" Drive

3/8" Drive Ball End Extra-Long Hex Bit Sockets 362
3/8" Drive Extra-Long Hex Bit Sockets 362
3/8" Drive Hex Bit Sockets 362
3/8" Drive Metric Extra-Long Hex Bit Sockets 363
3/8" Drive Metric Hex Bit Sockets 363
3/8" Drive Metric Short Hex Bit Sockets 363
3/8" Drive Phillips® Screwdriver Bit Sockets 361
3/8" Drive Short Hex Bit Sockets 362
3/8" Drive Slotted Screwdriver Bit Sockets 361
3/8" Drive Torx® Screwdriver Bit Sockets 361

3/8" Drive Impact

3/8" Drive Impact Hex Bit Sockets 470
3/8" Drive Metric Impact Hex Bit Sockets 470
3/8" Drive Torx® Impact Sockets 471

3/8" Drive Insulated

Facom® 3/8" Drive Insulated Hex Bit Sockets 440

1/2" Drive

1/2" Drive Extra-Long Hex Bit Sockets 420
1/2" Drive Hex Bit Sockets 419
1/2" Drive Metric Hex Bit Sockets 420
1/2" Drive Metric Extra-Long Hex Bit Sockets 420
1/2" Drive Phillips® Screwdriver Bit Sockets 419
1/2" Drive Slotted Screwdriver Bit Sockets 419

1/2" Drive Insulated

Facom® 1/2" Drive Insulated Hex Bit Sockets 442

SOCKETS, DRAG LINK

1/2" Drive

1/2" Drive Drag Link Sockets 418

3/8" Drive

3/8" Drive Drag Link Socket 361

SOCKET, IMPACT RETAINING RINGS

3/8" Drive

3/8" Drive Retaining Rings 473

1/2" Drive

1/2" Drive Retaining Rings 498

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3/4" Drive
3/4" Drive Retaining Rings 510
3/4" Drive Impact Socket Retaining Pin 510

1" Drive Impact
1" Drive Retaining Rings 517
1" Drive Retaining Pins 517

1-1/2" Drive
1-1/2" Drive Retaining Rings 521

2-1/2" Drive
2-1/2" Drive Retaining Pin 523

SOCKETS, SPARK PLUG

1/2" Drive
1/2" Drive Spark Plug Sockets - 6 Point 418

3/8" Drive
3/8" Drive 7 PC Stanley® Metric Hex Bit Socket Set 1082
3/8" Drive 3 PC Stanley® Spark Plug Socket Set 1084
3/8" Drive Spark Plug Sockets - 6 Point 360
3/8" Drive Universal Spark Plug Sockets - 6 Point. 361

SOCKETS, UNIVERSAL SETS

1/4" Drive
1/4" Drive 12 PC Metric Universal Socket Set - 6 Point 288
1/4" Drive 9 PC Universal Socket Set - 12 Point 288
1/4" Drive 5 PC Universal Socket Set - 12 Point 288

1/4" Drive Impact
1/4" Drive 9 PC Metric Impact Universal Socket Set - 12 Point . 451

3/8" Drive
3/8" Drive 10 PC Metric Universal Socket Set - 6 Point 336
3/8" Drive 7 PC Metric Universal Socket Set - 12 Point 336
3/8" Drive 7 PC Universal Socket Set - 12 Point 336
3/8" Drive 7 PC Universal Socket Set - 6 Point 337

3/8" Drive Impact
3/8" Drive 10 PC Deep Metric Impact Universal Socket Set - 6 Point 465
3/8" Drive 10 PC Metric Impact Universal Socket Set - 6 Point . 464
3/8" Drive 10 PC Metric Universal Impact Socket Set - 12 Point 465
3/8" Drive 5 PC Impact Universal Socket Set - 6 Point 464

1/2" Drive Impact
1/2" Drive 8 PC Deep Universal Impact Socket Set - 6 Point. . . 482
1/2" Drive 7 PC Metric Deep Impact Universal Socket Set - 6 Point 482
1/2" Drive 7 PC Metric Universal Impact Socket Set - 6 Point . . 483
1/2" Drive 7 PC Universal Impact Socket Set - 6 Point 483

SOCKETS, UNIVERSAL

1/4" Drive
1/4" Drive Metric Universal Joints - 6 Point 302
1/4" Drive Universal Joints - 6 Point 301
1/4" Drive Universal Joints - 12 Point 302

1/4" Drive Impact
1/4" Drive Metric Universal Impact Sockets - 12 Point 456
1/4" Drive Universal Impact Sockets - 12 Point 455

3/8" Drive
3/8" Drive Deep Universal Sockets - 6 Point 359
3/8" Drive Metric Universal Sockets - 6 Point 359
3/8" Drive Metric Universal Sockets - 12 Point 360
3/8" Drive Universal Sockets - 6 Point 359
3/8" Drive Universal Sockets - 12 Point 360

3/8" Drive Impact
3/8" Drive Impact Universal Sockets - 6 Point 471
3/8" Drive Metric Deep Universal Impact Sockets - 6 Point . . . 472
3/8" Drive Metric Impact Universal Sockets - 6 Point 471
3/8" Drive Metric Universal Impact Sockets - 12 Point 472

1/2" Drive
1/2" Drive Metric Universal Sockets - 6 Point 417
1/2" Drive Universal Sockets - 12 Point 418

1/2" Drive Impact
1/2" Drive Deep Universal Impact Sockets - 6 Point. 497
1/2" Drive Impact Universal Sockets - 6 Point 496
1/2" Drive Metric Deep Universal Impact Sockets - 6 Point . . . 497
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SAFETY TIP: SCREWDRIVERS

Do not expose a screwdriver to excessive heat or cold.



SQUARES

Stanley® Aluminum Carpenter's Square 933
Stanley® Aluminum Try/Miter Square With Plastic Handle 935
Stanley® Die-Cast Handle Combination Square 936
Stanley® Plastic Handle Combination Square 936
Stanley® Premium Adjustable Quick Square® Layout Tool 934
Stanley® Premium Aluminum Rafter Square 932
Stanley® Premium Die-Cast Handle Combination Squares 935
Stanley® Premium Quick Square® Layout Tool. 934
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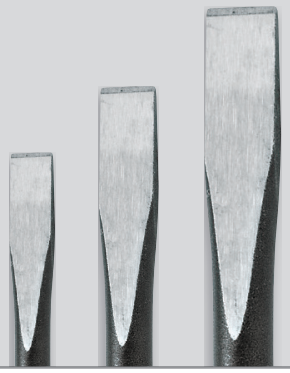
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Do not use a damaged chisel. Replace.



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SAFETY TIP: SNIPS

Use only hand pressure for cutting. Never hammer oruse foot to get extra pressure on the cutting edges.



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SAFETY TIP: PLIERS

Never expose pliers to excessive heat. This may draw the temper and ruin the tool.



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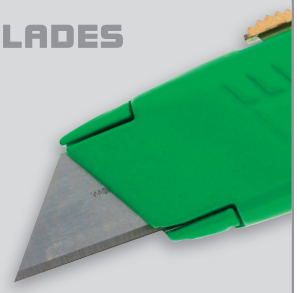
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SAFETY TIP: KNIFES AND BLADES

When making cuts on a surface below you, stand or kneel to one side of the line of the cut.



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SAFETY TIP: SCREWDRIVERS

Never use a screwdriver on a work piece held in your hand.

A slip could cause serious injury.



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FA-119.3/4	662679987480	663
FA-119.3/8	662679987473	663
FA-125A.120	662679982256	663
FA-125A.180	662679982263	663
FA-125A.35	662679982225	663
FA-125A.50	662679982232	663
FA-125A.80	662679982249	663
FA-126.E120	662679982355	665
FA-126.E180	662679982362	665
FA-126.E35	662679982324	665
FA-126.E50	662679982331	665
FA-126.E80	662679982348	665
FA-126A.120	662679982300	665

FA-126A.180 . . . . . 662679982317 665
FA-126A.35 . . . . . 662679982270 665
FA-126A.50 . . . . . 662679982287 665
FA-126A.80 . . . . . 662679982294 665
FA-180.VE . . . . . 662679985318 . . . . . 740, 865
FA-180.VSE . . . . . 662679983703 . . . . . 743, 868
FA-185.20AVSE . . . . . 662679983727 . . . . . 743, 868
FA-185.20VE . . . . . 662679985332 . . . . . 740, 865
FA-187.16AVSE . . . . . 662679983734 . . . . . 743, 868
FA-187.16VE . . . . . 662679985349 . . . . . 741, 866
FA-187.18AVSE . . . . . 662679983741 . . . . . 743, 868
FA-187.18VE . . . . . 662679985356 . . . . . 741, 866
FA-187.20AVSE . . . . . 662679983758 . . . . . 743, 868
FA-188.16AVSE . . . . . 662679983765 . . . . . 743, 869
FA-188.16VE . . . . . 662679985363 . . . . . 741, 866
FA-188.20VE . . . . . 662679985370 . . . . . 741, 866
FA-189.17AVSE . . . . . 662679983772 . . . . . 744, 869
FA-189.17VE . . . . . 662679985387 . . . . . 741, 866
FA-190.16AVSE . . . . . 662679983789 . . . . . 745, 870
FA-190.16VE . . . . . 662679985394 . . . . . 742, 867
FA-192.14AVSE . . . . . 662679983796 . . . . . 745, 870
FA-192.14VE . . . . . 662679985400 . . . . . 742, 867
FA-192.16AVSE . . . . . 662679983802 . . . . . 745, 870
FA-192.16VE . . . . . 662679985417 . . . . . 742, 867
FA-192.18AVSE . . . . . 662679983819 . . . . . 745, 870
FA-192.18VE . . . . . 662679985424 . . . . . 742, 867
FA-193.16AVSE . . . . . 662679983826 . . . . . 743, 868
FA-193.16VE . . . . . 662679985431 . . . . . 740, 865
FA-194.17AVSE . . . . . 662679983833 . . . . . 744, 869
FA-194.17VE . . . . . 662679985448 . . . . . 741, 866
FA-195.16VE . . . . . 662679985455 . . . . . 742, 867
FA-195.20AVSE . . . . . 662679983840 . . . . . 744, 869
FA-195.20VE . . . . . 662679985462 . . . . . 742, 867
FA-286A 662679983475 844
FA-286A.PL 662679983482 844
FA-287B.10 . . . . . 662679983536 844
FA-287B.12 . . . . . 662679983543 844
FA-287B.14 . . . . . 662679983550 844
FA-287B.16 . . . . . 662679983567 844
FA-287B.6 . . . . . 662679983499 844
FA-287B.7 . . . . . 662679983505 844
FA-287B.8 . . . . . 662679983512 844
FA-287B.9 . . . . . 662679983529 844
FA-287B.JS5 . . . . . 662679983574 844
FA-289 . . . . . 662679983659 845
FA-289.19 . . . . . 662679983581 845
FA-289.36 . . . . . 662679983604 845
FA-289.V3 . . . . . 662679983642 845
FA-391.16AVSE . . . . . 662679983901 . . . . . 745, 871
FA-391.16VE . . . . . 662679985479 . . . . . 742, 867
FA-412.10AVSE . . . . . 662679983918 . . . . . 744, 870
FA-412.14AVSE . . . . . 662679983925 . . . . . 744, 870
FA-412.150AVSE . . . . . 662679983932 . . . . . 744, 870
FA-414.45AVSE . . . . . 662679983956 . . . . . 745, 870
FA-414.52AVSE . . . . . 662679983963 . . . . . 745, 870
FC-2180B.VSE . . . . . 662679983857 . . . . . 245, 856
FC-2184C.VSE . . . . . 662679983864 . . . . . 242, 853
FC-2185C.VSE . . . . . 662679983871 . . . . . 244, 855

SAFETY TIP: HAMMERS

Always use a hammer of suitable size and weight for the job. Do not use a tack hammer to drive a spike, nor a sledge to drive a tack.



FC-2187C.VSE . . . . . 662679983888 . . . . . 243, 854
FC-J.401AVSE . . . . . 662679984816 . . . . . 438, 858
FC-R.400AVSE . . . . . 662679984953 . . . . . 437, 857
FC-S.401AVSE 662679985233 441
FF-22.1/2X9/16 . . . . . 662679987305 617
FF-22.11/32X7/ 662679987312 617
FF-22.3/16X1/4 . . . . . 662679987329 617
FF-22.5/16X3/8 . . . . . 662679987336 617
FF-22.7/32X9/3 . . . . . 662679987343 617
FF-22.JU5T 662679981341 616
FF-66A.1/2X9/1 . . . . . 662679987503 601
FF-66A.3/8X7/1 . . . . . 662679987497 601
FF-66A.5/8X3/4 . . . . . 662679987510 601
FF-66A.JU3 . . . . . 662679983185 600
FF-75.1 . . . . . 662679981761 602
FF-75.1/2 . . . . . 662679987398 602
FF-75.1/4 . . . . . 662679987350 602
FF-75.11/16 . . . . . 662679987428 602
FF-75.13/16 . . . . . 662679987442 602
FF-75.15/16 . . . . . 662679987466 602
FF-75.3/4 . . . . . 662679987435 602
FF-75.3/8 . . . . . 662679987374 602
FF-75.5/16 . . . . . 662679987367 602
FF-75.5/8 . . . . . 662679987411 602
FF-75.7/16 . . . . . 662679987381 602
FF-75.7/8 . . . . . 662679987459 602
FF-75.9/16 . . . . . 662679987404 602
FF-75.JU10 . . . . . 662679981778 601
FM-22.10X11 . . . . . 662679981273 617
FM-22.12X13 . . . . . 662679981280 617
FM-22.3.2X5.5 . . . . . 662679981297 617
FM-22.4X5 . . . . . 662679981303 617
FM-22.6X7 . . . . . 662679981310 617
FM-22.8X9 . . . . . 662679981327 617
FM-22.JE6T 662679981334 616
FM-31.10X11 . . . . . 662679981372 622
FM-31.12X13 . . . . . 662679981389 622
FM-31.14X15 . . . . . 662679981396 622
FM-31.16X17 . . . . . 662679981402 622
FM-31.18X19 . . . . . 662679981419 622
FM-31.6X7 . . . . . 662679981358 622
FM-31.8X9 . . . . . 662679981365 622
FM-31.JE6T 662679998271 622
FM-34.10 . . . . . 662679981549 621
FM-34.11 . . . . . 662679981556 621

FM-34.12	662679981563	621
FM-34.13	662679981570	621
FM-34.14	662679981587	621
FM-34.15	662679981594	621
FM-34.16	662679981600	621
FM-34.17	662679981617	621
FM-34.3.2	662679981464	621
FM-34.4	662679981471	621
FM-34.5	662679981488	621
FM-34.5.5	662679981495	621
FM-34.6	662679981501	621
FM-34.7	662679981518	621
FM-34.8	662679981525	621
FM-34.9	662679981532	621
FM-34.JL16T	662679981624	620
FM-39.10	662679982591	594
FM-39.11	662679982607	594
FM-39.12	662679982614	594
FM-39.13	662679982621	594
FM-39.14	662679982638	594
FM-39.15	662679982645	594
FM-39.16	662679982652	594
FM-39.17	662679982669	594
FM-39.3.2H	662679982515	593
FM-39.4H	662679982522	593
FM-39.5.5H	662679982546	593
FM-39.5H	662679982539	593
FM-39.6	662679982553	594
FM-39.7	662679982560	594
FM-39.8	662679982577	594
FM-39.9	662679982584	594
FM-39.JE16T	662679982690	589
FM-45.30	662679981631	653
FM-45.32	662679981648	653
FM-45.34	662679981655	653
FM-45.36	662679981662	653
FM-45.38	662679981679	653
FM-45.41	662679981686	653
FM-45.46	662679981693	653
FM-45.50	662679981709	653
FM-45.55	662679981716	653
FM-45.60	662679981723	653
FM-45.65	662679981730	653
FM-45.70	662679981747	653
FM-45.75	662679981754	653
FM-46.10AVSE	662679983970	627, 861
FM-46.11AVSE	662679983987	627, 861
FM-46.12AVSE	662679983994	627, 861
FM-46.13AVSE	662679984007	627, 861
FM-46.14AVSE	662679984014	627, 861
FM-46.15AVSE	662679984021	627, 861
FM-46.16AVSE	662679984038	627, 861
FM-46.17AVSE	662679984045	627, 861
FM-46.18AVSE	662679984052	627, 861
FM-46.19AVSE	662679984069	627, 861
FM-46.21AVSE	662679984076	627, 861
FM-46.8AVSE	662679984083	627, 861
FM-46.9AVSE	662679984090	627, 861
FM-54.M1B	662679983024	654

SAFETY TIP: SCREWDRIVERS

Make sure the tip fits the slot of the screw.



FM-54.M2B	662679983031	654
FM-54.M3B	662679983048	654
FM-54.M4B	662679983055	654
FM-54.P9M	662679983062	653
FM-54A.24	662679982911	654
FM-54A.30	662679982928	654
FM-54A.32	662679982935	654
FM-54A.36	662679982942	654
FM-54A.41	662679982959	654
FM-54A.46	662679982966	654
FM-54A.50	662679982973	654
FM-54A.55	662679982980	654
FM-54A.60	662679982997	654
FM-54A.65	662679983000	654
FM-54A.70	662679983017	654
FM-55.10AVSE	662679984106	612, 861
FM-55.11AVSE	662679984113	612, 861
FM-55.12AVSE	662679984120	612, 861
FM-55.13AVSE	662679984137	612, 861
FM-55.14AVSE	662679984144	612, 861
FM-55.15AVSE	662679984151	612, 861
FM-55.16AVSE	662679984168	612, 861
FM-55.17AVSE	662679984175	612, 861
FM-55.18AVSE	662679984182	612, 861
FM-55.19AVSE	662679984199	612, 861
FM-55.21AVSE	662679984205	612, 861
FM-55.8AVSE	662679984212	612, 861
FM-55.9AVSE	662679984229	612, 861
FM-57.10X12	662679982829	611
FM-57.11X13	662679982836	611
FM-57.13X15	662679982843	611
FM-57.14X16	662679982850	611
FM-57.14X17	662679982867	611
FM-57.15X17	662679982874	611
FM-57.16X18	662679982881	611
FM-57.19X22	662679982898	611
FM-57.JE5	662679982904	606
FM-59.10X11	662679982720	607
FM-59.12X13	662679982737	607
FM-59.14X15	662679982744	607
FM-59.16X17	662679982751	607
FM-59.18X19	662679982768	607
FM-59.21X23	662679982775	607
FM-59.22X24	662679982782	607
FM-59.26X28	662679982799	607



FM-59.27X29 . . . . . 662679982805 607
FM-59.30X32 . . . . . 066279982812 607
FM-59.6X7 . . . . . 662679982706 607
FM-59.8X9 . . . . . 662679982713 607
FM-66A.10X11 . . . . . 662679983093 601
FM-66A.12X13 . . . . . 662679983109 601
FM-66A.14X15 . . . . . 662679983116 601
FM-66A.16X17 . . . . . 662679983123 601
FM-66A.18X19 . . . . . 662679983130 601
FM-66A.20X22 . . . . . 662679983147 601
FM-66A.21X23 . . . . . 662679983154 601
FM-66A.24X27 . . . . . 662679983161 601
FM-66A.30X32 . . . . . 662679983178 601
FM-66A.6X7 . . . . . 662679983079 601
FM-66A.8X9 . . . . . 662679983086 601
FM-66A.JE9T 662679983208 600
FM-71.1AVSE . . . . . 662679984243 . . . . . 699, 863
FM-71.2AVSE . . . . . 662679984250 . . . . . 699, 863
FM-71.3AVSE . . . . . 662679984267 . . . . . 699, 863
FM-76.10 . . . . . 662679981822 602
FM-76.11 . . . . . 662679981839 602
FM-76.12 . . . . . 662679981846 602
FM-76.13 . . . . . 662679981853 602
FM-76.14 . . . . . 662679981860 602
FM-76.15 . . . . . 662679981877 602
FM-76.16 . . . . . 662679981884 602
FM-76.17 . . . . . 662679981891 602
FM-76.18 . . . . . 662679981907 602
FM-76.19 . . . . . 662679981914 602
FM-76.20 . . . . . 662679981921 602
FM-76.21 . . . . . 662679981938 602
FM-76.22 . . . . . 662679981945 602
FM-76.23 . . . . . 662679981952 602
FM-76.24 . . . . . 662679981969 602
FM-76.25 . . . . . 662679981976 602
FM-76.26 . . . . . 662679981983 602
FM-76.27 . . . . . 662679981990 602
FM-76.28 . . . . . 662679982003 602
FM-76.29 . . . . . 662679982010 602
FM-76.30 . . . . . 662679982027 602
FM-76.31 . . . . . 662679982034 602
FM-76.32 . . . . . 662679982041 602
FM-76.33 . . . . . 662679982058 602
FM-76.34 . . . . . 662679982065 602
FM-76.35 . . . . . 662679982072 602
FM-76.36 . . . . . 662679982089 602
FM-76.38 . . . . . 662679982096 602
FM-76.6 . . . . . 662679981785 602
FM-76.7 . . . . . 662679981792 602
FM-76.8 . . . . . 662679981808 602
FM-76.9 . . . . . 662679981815 602
FM-83.10AVSE . . . . . 662679984274 . . . . . 706, 868
FM-83.12AVSE . . . . . 662679984281 . . . . . 706, 868
FM-83.3AVSE . . . . . 662679984298 . . . . . 706, 868
FM-83.4AVSE . . . . . 662679984304 . . . . . 706, 868
FM-83.5AVSE . . . . . 662679984311 . . . . . 706, 868
FM-83.6AVSE . . . . . 662679984328 . . . . . 706, 868
FM-83.8AVSE . . . . . 662679984335 . . . . . 706, 868
FM-94T.10AVSE . . . . . 662679984342 . . . . . 700, 863
FM-94T.11AVSE . . . . . 662679984359 . . . . . 700, 863
FM-94T.12AVSE . . . . . 662679984366 . . . . . 700, 863
FM-94T.13AVSE . . . . . 662679984373 . . . . . 700, 863
FM-94T.14AVSE . . . . . 662679984380 . . . . . 700, 863
FM-94T.6AVSE . . . . . 662679984397 . . . . . 700, 863
FM-94T.8AVSE . . . . . 662679984403 . . . . . 700, 863
FM-94TL.10AVSE . . . . . 662679984410 . . . . . 700, 863
FM-94TL.13AVSE . . . . . 662679984427 . . . . . 700, 863
FM-94TL.16AVSE . . . . . 662679984434 . . . . . 700, 863
FM-94TL.17AVSE . . . . . 662679984441 . . . . . 700, 863
FM-94TL.19AVSE . . . . . 662679984458 . . . . . 700, 863
FM-J.10AVSE . . . . . 662679984571 . . . . . 440, 859
FM-J.11AVSE . . . . . 662679984595 . . . . . 440, 859
FM-J.12AVSE . . . . . 662679984625 . . . . . 440, 859
FM-J.13AVSE . . . . . 662679984649 . . . . . 440, 859
FM-J.13LAVSE . . . . . 662679984656 . . . . . 440, 859
FM-J.14AVSE . . . . . 662679984663 . . . . . 440, 859
FM-J.14LAVSE . . . . . 662679984670 . . . . . 440, 859
FM-J.15AVSE . . . . . 662679984694 . . . . . 440, 859
FM-J.16AVSE . . . . . 662679984700 . . . . . 440, 859
FM-J.16LAVSE . . . . . 662679984717 . . . . . 440, 859
FM-J.17AVSE . . . . . 662679984724 . . . . . 440, 859
FM-J.17LAVSE . . . . . 662679984731 . . . . . 440, 859
FM-J.18AVSE . . . . . 662679984748 . . . . . 440, 859
FM-J.18LAVSE . . . . . 662679984755 . . . . . 440, 859
FM-J.19AVSE . . . . . 662679984762 . . . . . 440, 859
FM-J.19LAVSE . . . . . 662679984779 . . . . . 440, 859
FM-J.8AVSE . . . . . 662679984830 . . . . . 440, 859
FM-J.8LAVSE . . . . . 662679984847 . . . . . 440, 859
FM-JT.10AVSE . . . . . 662679984854 . . . . . 440, 859
FM-JT.4AVSE . . . . . 662679984861 . . . . . 440, 859
FM-JT.5AVSE . . . . . 662679984878 . . . . . 440, 859
FM-JT.6AVSE . . . . . 662679984885 . . . . . 440, 859
FM-JT.7AVSE . . . . . 662679984892 . . . . . 440, 859
FM-JT.8AVSE . . . . . 662679984908 . . . . . 440, 859
FM-R.10AVSE . . . . . 662679984915 . . . . . 438, 858
FM-R.12AVSE . . . . . 662679984922 . . . . . 438, 858
FM-R.6AVSE . . . . . 662679984960 . . . . . 438, 858
FM-R.7AVSE . . . . . 662679984977 . . . . . 438, 858
FM-R.8AVSE . . . . . 662679984984 . . . . . 438, 858
FM-RT.4AVSE . . . . . 662679984991 . . . . . 438, 858
FM-RT.5AVSE . . . . . 662679985004 . . . . . 438, 858
FM-RT.6AVSE . . . . . 662679985011 . . . . . 438, 858
FM-S.10AVSE . . . . . 662679985028 . . . . . 442, 860
FM-S.11AVSE . . . . . 662679985035 . . . . . 442, 860
FM-S.12AVSE . . . . . 662679985059 . . . . . 442, 860
FM-S.12LAVSE . . . . . 662679985066 . . . . . 442, 860
FM-S.13AVSE . . . . . 662679985073 . . . . . 442, 860
FM-S.13LAVSE . . . . . 662679985080 . . . . . 442, 860
FM-S.14AVSE . . . . . 662679985097 . . . . . 442, 860
FM-S.14LAVSE . . . . . 662679985103 . . . . . 442, 860
FM-S.16LAVSE . . . . . 662679985127 . . . . . 442, 860
FM-S.17AVSE . . . . . 662679985134 . . . . . 442, 860
FM-S.17LAVSE . . . . . 662679985141 . . . . . 442, 860
FM-S.18LAVSE . . . . . 662679985158 . . . . . 442, 860
FM-S.19AVSE . . . . . 662679985165 . . . . . 442, 860
FM-S.19LAVSE . . . . . 662679985172 . . . . . 442, 860
FM-S.21AVSE . . . . . 662679985202 . . . . . 442, 860
FM-S.22AVSE . . . . . 662679985219 . . . . . 442, 860

FM-S.8AVSE	662679985240	442, 860
FM-S.9AVSE	662679985257	442, 860
FM-ST.10AVSE	662679985264	442, 860
FM-ST.12AVSE	662679985271	442, 860
FM-ST.14AVSE	662679985288	442, 860
FM-ST.17AVSE	662679985295	442, 860
FM-ST.8AVSE	662679985301	442, 860
FMHT33706	N/A	912
FMHT33865	076174338652	912
FMHT33866	076174338669	912
FMHT77407	076174774078	937
FMST14820	076174975185	1093
FMST14920	076174975178	1093
FMST20061	076174703580	1087
FMST20261	076174703597	1087
FT-1820.AVSE	662679983710	753, 878
FT-602.AVSE	662679984236	753, 878
FT-BC.109VSE	662679984465	55, 879
FT-BC.110VSE	662679984472	55, 879
FT-J.121AVSE	662679984618	436, 439, 857
FT-J.151AVSE	662679984687	266, 436, 439, 857
FT-J.210AVSE	662679984786	436, 439, 857
FT-J.215AVSE	662679984793	436, 439, 857
FT-R.151AVSE	662679984939	266, 436, 437, 857
FT-R.210AVSE	662679984946	436, 437, 857
FT-S.121AVSE	662679985042	436, 857
FT-S.151AVSE	662679985110	266, 436, 441, 857
FT-S.210AVSE	662679985189	436, 441, 857
FT-S.215AVSE	662679985196	436, 441, 857
FW-184.J5VE	662679985325	740, 865
FW-A10X200VE	662679035389	687, 862
FW-A12X250VE	662679035396	687, 862
FW-A2.5X50VE	662679035402	687, 862
FW-A2.5X75VE	662679035419	687, 862
FW-A3.5X100VE	662679035426	687, 862
FW-A3.5X75VE	662679035433	687, 862
FW-A3X75VE	662679035440	687, 862
FW-A4X100VE	662679035457	687, 862
FW-A4X150VE	662679035464	687, 862
FW-A5.5X125VE	662679035471	687, 862
FW-A5.5X150VE	662679035488	687, 862
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SAFETY TIP: MEASURING TAPES



To protect hands and blade, do not allow tape to retract into case at full speed.

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SAFETY TIP: PLIERS

Do not use "cheater bars" on handles of pliers to secure greater leverage. Use a larger pair of pliers.



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J1211MH-T500 662679087319 580
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J1224H-T500 662679087173 580
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J1230BASD 662679073664 597
J1230H-T500 . . . . . 662679087203 580
J1230HASD 662679073459 590
J1230MASD 662679073343 592

SAFETY TIP: HAMMERS

Strike squarely to avoid glancing blows.



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J1232BASD 662679073671 597
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Always use sharp blades. A dull blade requires more force and is more likely to slip than a sharp one. Change the blade whenever it starts to tear instead of cut.



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J3709M . . . . . 662679050603 . . . . . 644, 890
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J3710M . . . . . 662679050610 . . . . . 644, 890
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J3715M . . . . . 662679050634 . . . . . 644, 890
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J3716M . . . . . 662679050641 . . . . . 644, 890
J3716MT . . . . . 662679051426 . . . . . 645, 890
J3719M . . . . . 662679050658 . . . . . 644, 890
J3719MT . . . . . 662679051433 . . . . . 645, 890
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J399L 662679032241 738
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J4001B 662679470005 813



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J4011S 662679470067 811
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J4017 . . . . . 662679470111 812
J4018 . . . . . 662679470128 812
J402 . . . . . 662679480226 746
J4021S 662679470135 811
J4026A 662679470173 811
J4027 . . . . . 662679470180 811
J4028 . . . . . 662679470197 808
J402S 662679480233 747
J403 . . . . . 662679480240 746
J4033 . . . . . 662679471699 805
J4034 . . . . . 662679471705 805
J4035 . . . . . 662679471712 805
J4036 . . . . . 662679471729 805
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J4040-3 . . . . . 662679470272 804
J4040-4 . . . . . 662679470289 804
J4040-5 . . . . . 662679470296 804
J4040-6 . . . . . 662679470302 804
J4040-7 . . . . . 662679470319 804
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J404S 662679480271 747
J4053 . . . . . 662679471798 . . . . . 807, 848
J4055H 662679470401 810
J4056-2* 662679470418 808
J4056-4 . . . . . 662679470425 808
J4056-6 . . . . . 662679470432 808
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J408S 662679480318 747
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J410S 662679480332 747
J411/2S2 . . . . . 662679035778 770
J411/4S2 . . . . . 662679035785 770
J412 . . . . . 662679480349 746
J412S 662679480356 747
J413/8S2 . . . . . 662679035792 770
J415/16S2 . . . . . 662679035808 770
J415/8S2 . . . . . 662679035815 770
J417/16S2 . . . . . 662679035822 770
J4205B 662679470456 809
J4205E 662679470463 808
J4205S 662679470470 810
J4206CA 662679470487 812
J4206SC 662679470494 809
J4208CA 662679470517 812
J4211BA 662679471149 791
J4212MJ 662679471163 791
J4212SJ 662679471170 791
J4212SJB 662679471187 790
J4214 . . . . . 662679471217 804
J4217 . . . . . 662679471248 790
J4225S 662679470579 810
J4226CA 662679470586 812
J4227CA 662679470593 812
J4230RJ 662679470623 813
J4231A 662679471255 792
J4232 . . . . . 662679470630 793
J4232E 662679471262 792
J4232SJ 662679471279 795
J4233E 662679471286 792
J4233SJ 662679471293 794
J4234 . . . . . 662679470647 793
J4234B 662679470654 795
J4235A 662679471835 784
J4235B 662679471842 785
J4235S 662679470685 810
J4238 . . . . . 662679470746 793
J4239SB 662679470753 809
J424 . . . . . 662679480363 747
J4240L 662679470821 813
J4242 . . . . . 662679471323 797
J4245 . . . . . 662679471866 783
J424S 662679480370 748
J4250 . . . . . 662679471354 787
J4250B 662679470852 808
J4250N 662679470869 809
J4251 . . . . . 662679471873 787
J4252 . . . . . 662679471880 787
J4255 . . . . . 662679471361 788
J4255B 662679470876 808
J4256S 662679470883 811
J4257 . . . . . 662679471897 788
J426 . . . . . 662679480387 747
J4260H 662679470890 810
J4260R 662679470906 810
J426S 662679480394 748
J4275 . . . . . 662679471415 800
J4275R 662679470920 810
J4277B 662679470937 810
J428 . . . . . 662679480400 747
J4280B 662679470944 811
J4289B 662679471453 780
J428S 662679480417 748
J4290B 662679471460 781

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

J4291B 662679471477 780
J4292B 662679471507 781
J4293B 662679471521 782
J4293SP-STK 662679471934 797
J4330 . . . . . 662679471583 801
J4331 . . . . . 662679471590 801
J4332 . . . . . 662679471606 803
J4332R 662679471040 813
J4333 . . . . . 662679471613 803
J4333A 662679471620 803
J4333R 662679471088 813
J4390B 662679471644 782
J441/4S2 . . . . . 662679035839 770
J441000-RD 662679997533 39
J441529-6BK-SC 076174407112 46
J441529-6RD-SC 076174406993 46
J441535-9BK-SC 076174407129 45
J441535-9RD-SC 076174407006 45
J441558-4BK-LK 076174407136 45
J441558-4RD-LK 076174407068 45
J4427-HWT 076174408423 46
J442710-4BK-IC 076174407143 44
J442710-4RD-IC 076174406931 44
J442715-4BK-D 076174407150 42
J442715-4RD-D 076174406917 42
J442715-6BK-D 076174407167 42
J442715-6RD-D 076174406900 42
J442719-10BK-D 076174407174 41
J442719-10RD-D 076174406894 41
J442719-12BK-D 076174407181 41
J442719-12RD-D 076174406887 41
J442719-5BK 076174407198 44
J442719-5RD 076174407044 44
J442719-6BK 076174407204 43
J442719-6RD 076174406924 43
J442719-8BK 076174407211 43
J442719-8RD 076174407358 43
J442735-3BK 076174407228 38
J442735-3RD 076174406948 38
J442735-7BK 076174407235 37
J442735-7RD 076174406962 37
J442742-11BK 076174407242 36
J442742-11RD 076174406986 36
J442742-12BK 076174407259 35
J442742-12BL 662679053918 35
J442742-12RD 076174407020 35
J442742-4BK 076174407266 38
J442742-4RD 076174406955 38
J442742-7BK 076174407273 37

SAFETY TIP: CHISELS

Secure the work so that it cannot move.



J442742-7RD 076174407013 37
J442742-8BK 076174407280 36
J442742-8RD 076174406979 36
J442752-6BK 076174407297 39
J442752-6RD 076174407051 39
J443/8S2 . . . . . 662679035846 770
J444119-12BK 076174407303 40
J444119-12RD 076174407075 40
J444142-15BK 076174407310 34
J444142-15RD 076174407037 34
J444142-6BK 076174407327 35
J444142-6RD 076174407082 35
J445/16S2 . . . . . 662679035853 770
J445419-12BK 076174407334 40
J445419-12RD 076174407099 40
J445442-14BK 076174407341 34
J445442-14RD 076174407105 34
J44SS-BK 076174408416 46
J44SS-RD 076174408409 46
J451934-5BK-SC 076174407631 33
J451934-5BL-SC 076174407860 33
J451934-5RD-SC 076174407402 33
J451934-5YL-SC 076174408096 33
J451934-6BK-SC 076174407624 32
J451934-6BL-SC 076174407853 32
J451934-6RD-SC 076174407396 32
J451934-6YL-SC 076174408089 32
J453427-4BK 076174407693 32
J453427-4BL 076174407921 32
J453427-4RD 076174407464 32
J453427-4YL 076174408157 32
J453427-5BK 076174407686 32
J453427-5BL 076174407914 32
J453427-5RD 076174407457 32
J453427-5YL 076174408140 32
J453427-6BK 076174407679 31
J453427-6BL 076174407907 31
J453427-6RD 076174407440 31
J453427-6YL 076174408133 31
J453441-6BK 076174407655 28
J453441-6BL 076174407884 28
J453441-6RD 076174407426 28
J453441-6YL 076174408119 28
J453441-7BK 076174407662 27
J453441-7BL 076174407891 27



J453441-7RD 076174407433 27
J453441-7YL 076174408126 27
J453441-8BK 076174407648 27
J453441-8BL 076174407877 27
J453441-8RD 076174407419 27
J453441-8YL 076174408102 27
J4550-HWT 076174408454 33
J455027-10BK 076174407761 30
J455027-10BL 076174407990 30
J455027-10RD 076174407532 30
J455027-10YL 076174408225 30
J455027-12BK 076174407754 30
J455027-12BL 076174407983 30
J455027-12RD 076174407525 30
J455027-12YL 076174408218 30
J455027-8BK 076174407778 31
J455027-8BL 076174408003 31
J455027-8RD 076174407549 31
J455027-8YL 076174408232 31
J455041-10BK 076174407709 26
J455041-10BL 076174407938 26
J455041-10RD 076174407471 26
J455041-10YL 076174408164 26
J455041-12BK 076174407716 26
J455041-12BL 076174407945 26
J455041-12RD 076174407488 26
J455041-12YL 076174408171 26
J455041-7BK-1S 076174407747 25
J455041-7BL-1S 076174407976 25
J455041-7RD-1S 076174407518 25
J455041-7YL-1S 076174408201 25
J455041-8BK-1S 076174407723 25
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J455041-8BL-1S 076174407952 25
J455041-8BL-2S 076174407969 24
J455041-8RD-1S 076174407495 25
J455041-8RD-2S 076174407501 24
J455041-8YL-1S 076174408188 25
J455041-8YL-2S 076174408195 24
J4557-HWT 076174408461 33
J455743-11BK 076174407808 24
J455743-11BL 076174408034 24
J455743-11RD 076174407570 24
J455743-11YL 076174408263 24
J455743-13BK 076174407792 23
J455743-13BL 076174408027 23
J455743-13RD 076174407563 23
J455743-13YL 076174408256 23
J4566-HWT 076174408492 33
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J456627-10BL 076174408065 29
J456627-10RD 076174407600 29
J456627-10YL 076174408294 29
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J456627-8BL 076174408072 29
J456627-8RD 076174407617 29
J456627-8YL 076174408300 29
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J456646-11RD 076174407594 23
J456646-11YL 076174408287 23
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J456646-12BL 076174408041 22
J456646-12RD 076174407587 22
J456646-12YL 076174408270 22
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J459000-3BL 662679997571 28
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J459000-3YL 662679997588 28
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J4707 662679140151 296
J4707DPL 662679974671 301
J4707L 662679140168 297
J4707LM 662679140175 297
J4707LT 662679140182 299
J4707LTM 662679141851 300
J4707M 662679140199 296
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J4707TM 662679141974 299
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J4708DPL 662679974688 301
J4708L 662679140229 297
J4708LM 662679140236 297
J4708LT 662679140243 299
J4708LTM 662679141844 300
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SAFETY TIP: PLIERS

Always cut at right angles. Never rock from side to side or bend the wire back and forth against the cutting edges.



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SAFETY TIP: MEASURING TAPES



Use safety goggles. Serious eye injury is possible.

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SAFETY TIP: HAMMERS

Always discard a hammer when face shows excessive wear, mushrooming, chipping, or dents.



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SAFETY TIP: KNIVES AND BLADES

Never leave a knife unattended with the blade exposed.



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DECIMAL EQUIVALENTS OF MILLIMETER, FRACTIONAL AND NUMBER DRILL SIZES

1 mm = 0.03937 in.
1 cm = 0.3937 in.
1 dm = 3.937 in.
1 m = 39.37 in.
1 in. = 25.4 mm

1 foot = 0.3048 m
1 yd = 0.9144 m
1 sq. in. = 6.452 sq. cm
1 sq. ft = 929 sq. cm
1 sq. yd = 0.8361 sq. m

1 sq. cm = 0.155 sq. in.
1 sq. dm = 15.5 sq. in.
1 sq. m = 1.196 sq. yd
1 oz - 31.1035 grams

1 lb = 373.24 grams
1 qt = 0.9463 liters (liquid)
1 gal. = 3.7853 liters (liquid)
1 liter = 1.0567 liquid qt

MILLIMETER	DEC. IN. EQU.	FRACTIONAL	MILLIMETER	DEC. IN. EQU.	FRACTIONAL	MILLIMETER	DEC. IN. EQU.	FRACTIONAL	MILLIMETER	DEC. IN. EQU.	FRACTIONAL	MILLIMETER	DEC. IN. EQU.	FRACTIONAL
0.10	.0039		1.75	.0689		—	.1570		6.80	.2677		10.72	.4219	27/64"
0.15	.0059		—	.0700		4.00	.1575		6.90	.2716		11.00	.4330	
0.20	.0079		1.80	.0709		—	.1590		—	.2720		11.11	.4375	7/16"
0.25	.0098		1.85	.0728		—	.1610		7.00	.2756		11.50	.4528	
0.30	.0118		—	.0730		4.10	.1614		—	.2770		11.51	.4531	29/64"
—	.0135		1.90	.0748		4.20	.1654		7.10	.2795		11.91	.4687	15/32"
0.35	.0138		—	.0760		—	.1660		—	.2811		12.00	.4724	
—	.0145		1.95	.0767		4.25	.1673		7.14	.2812	9/32"	12.30	.4843	31/64"
0.39	.0156	1/64"	1.98	.0781	5/64"	4.30	.1693		7.20	.2835		12.50	.4921	
0.40	.0157		—	.0785		—	.1695		7.25	.2854		12.70	.5000	1/2"
—	.0160		2.00	.0787		4.37	.1719	11/64"	7.30	.2874	1"	3.00	.5118	
0.45	.0177		2.05	.0807		—	.1730		—	.2900		13.10	.5156	33/64"
—	.0180		—	.0810		4.40	.1732		7.40	.2913		13.49	.5312	17/32"
0.50	.0197		—	.0820		—	.1770		—	.2950		13.50	.5315	
—	.0200		2.10	.0827		4.50	.1771		7.50	.2953		13.89	.5469	35/64"
—	.0210		2.15	.0846		—	.1800		7.54	.2968	19/64"	14.00	.5512	
0.55	.0217		—	.0860		4.60	.1811		7.60	.2992		14.29	.5625	9/16"
—	.0225		2.20	.0866		—	.1820		—	.3020		14.50	.5709	
0.60	.0236		2.25	.0885		4.70	.1850		7.70	.3031		14.68	.5781	37/64"
—	.0240		—	.0890		4.75	.1870		7.75	.3051		15.00	.5906	
—	.0250		2.30	.0905		4.76	.1875	3/16"	7.80	.3071		15.08	.5937	19/32"
0.65	.0256		2.35	.0925		4.80	.1890		7.90	.3110		15.48	.6094	39/64"
—	.0260		—	.0935		—	.1910		7.94	.3125	5/16"	15.50	.6102	
—	.0280		2.38	.0937	3/32"	4.90	.1929		8.00	.3150		15.88	.6250	5/8"
0.70	.0286		2.40	.0945		—	.1935		—	.3160		16.00	.6299	
—	.0292		—	.0960		—	.1960		8.10	.3189		16.27	.6406	41/64"
0.75	.0295		2.45	.0964		5.00	.1968		8.20	.3228		16.50	.6496	
—	.0310		—	.0980		—	.1990		—	.3230		16.67	.6562	21/32"
0.79	.0312	1/32"	2.50	.0984		5.10	.2008		8.25	.3248		17.00	.6693	
0.80	.0315		—	.0995		—	.2010		8.30	.3268		17.06	.6719	43/64"
—	.0320		—	.1015		5.16	.2031	13/64"	8.33	.3281	21/64"	17.46	.6875	11/16"
—	.0330		2.60	.1024		—	.2040		8.40	.3307		17.50	.6890	
0.85	.0335		—	.1040		5.20	.2047		—	.3320		17.86	.7031	45/64"
—	.0350		2.70	.1063		—	.2055		8.50	.3346		18.00	.7087	
0.90	.0354		—	.1065		5.25	.2067		8.60	.3386		18.26	.7187	23/32"
—	.0360		2.75	.1082		5.30	.2086		—	.3390		18.50	.7283	
—	.0370		2.78	.1094	7/64"	—	.2090		8.70	.3425		18.65	.7344	47/64"
0.95	.0374		—	.1100		5.40	.2126		8.73	.3437	11/32"	19.00	.7480	
—	.0380		2.80	.1102		—	.2130		8.75	.3445		19.05	.7500	3/4"
—	.0390		—	.1110		5.50	.2165		8.80	.3465		19.45	.7656	49/64"
1.00	.0394		—	.1130		5.56	.2187	7/32"	—	.3480		19.50	.7677	
—	.0400		2.90	.1141		5.60	.2205		8.90	.3504		19.84	.7812	25/32"
—	.0410		—	.1160		—	.2210		9.00	.3543		20.00	.7874	
1.05	.0413		3.00	.1181		5.70	.2244		—	.3580		20.24	.7969	51/64"
—	.0420		—	.1200		5.75	.2263		9.10	.3583		20.50	.8071	
—	.0430		3.10	.1220		—	.2280		9.13	.3594	23/64"	20.64	.8125	13/16"
1.10	.0433		3.18	.1250	1/8"	5.80	.2283		9.20	.3622		21.00	.8268	
1.15	.0452		3.20	.1260		5.90	.2323		9.25	.3641		21.03	.8281	53/64"
—	.0465		3.25	.1279		—	.2340		9.30	.3661		21.43	.8437	27/32"
1.19	.0469	3/64"	—	.1285		5.95	.2344	15/64"	—	.3680		21.50	.8465	
1.20	.0472		3.30	.1299		6.00	.2362		9.40	.3701		21.83	.8594	55/64"
1.25	.0492		3.40	.1338		—	.2380		9.50	.3740		22.00	.8661	
1.30	.0512		—	.1360		6.10	.2401		9.53	.3750	3/8"	22.23	.8750	7/8"
—	.0520		3.50	.1378		—	.2420		—	.3770		22.50	.8858	
1.35	.0531		—	.1405		6.20	.2441		9.60	.3780		22.62	.8906	57/64"
—	.0550		3.57	.1406	9/64"	6.25	.2460		9.70	.3819		23.00	.9055	
1.40	.0551		3.60	.1417		6.30	.2480		9.75	.3838		23.02	.9062	29/32"
1.45	.0570		—	.1440		6.35	.2500	1/4"	9.80	.3858		23.42	.9219	59/64"
1.50	.0591		3.70	.1457		6.40	.2520		—	.3860		23.50	.9252	
—	.0595		—	.1470		6.50	.2559		9.90	.3898		23.81	.9375	15/16"
1.55	.0610		3.75	.1476		—	.2570		9.92	.3906	25/64"	24.00	.9449	
1.59	.0625	1/16"	—	.1495		6.60	.2598		10.00	.3937		24.21	.9531	61/64"
1.60	.0629		3.80	.1496		—	.2610		—	.3970		24.50	.9646	
—	.0635		—	.1520		6.70	.2638		—	.4040		24.61	.9687	31/32"
1.65	.0649		3.90	.1535		6.75	.2656	17/64"	10.32	.4062	13/32"	25.00	.9843	
1.70	.0669		—	.1540		6.75	.2657		—	.4130		25.03	.9844	63/64"
—	.0670		3.97	.1562	5/32"	—	.2660		10.50	.4134		25.40	1.0000	1"

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

BOLT SIZING CHART

NOMINAL OPENING SIZES OF PROTO® WRENCHES OR SOCKETS IN INCHES TO FIT STANDARD BOLT HEADS, NUTS AND SCREW HEADS.

Locate thread diameter of bolt, nut or screw in extreme left or right column. Then move across to box which has proper identification of bolt, nut or screwat top of vertical column. The size in this particular box is the nominal opening size in inches of the PROTO® wrench and sockets that will fit.

American Standards Association—ASA B18.2, Appendix I

NUTS: Use Wrench or Socket Size Shown Below

THREAD DIAMETER OF NUT	FINISHED SERIES & FINISHED THICK NUTS	REGULAR SERIES HEX & SQUARE NUTS	HEAVY SERIES HEX & SQUARE NUTS	MACHINE SCREW NUTS & STOVE BOLT NUTS
#0 & 1				5/32"
#2 & 3				3/16"
#4				1/4"
#5 & 6				5/16"
#8				11/32"
#10				3/8"
#12				7/16"
1/4"	7/16"	7/16"	1/2"	7/16"
5/16"	1/2"	9/16"	9/16"	9/16"
3/8"	9/16"	5/8"	11/16"	5/8"
7/16"	11/16"	3/4"	3/4"	
1/2"	3/4"	13/16"	7/8"	
9/16"	7/8"	7/8"	15/16"	
5/8"	15/16"	1"	1-1/16"	
3/4"	11/8"	11/8"	1-1/4"	
7/8"	15/16"	15/16"	1-7/16"	
1"	1-1/2"	1-1/2"	1-5/8"	
1-1/8"	1-11/16"	1-11/16"	1-13/16"	
1-1/4"	1-7/8"	1-7/8"	2"	
1-3/8"	2-1/16"	2-1/16"	2-3/16"	
1-1/2"	2-1/4"	2-1/4"	2-3/8"	
1-5/8"	2-7/16"	2-7/16"	2-9/16"	
1-3/4"	2-5/8"	2-5/8"	2-3/4"	
1-7/8"	2-13/16"	2-13/16"	2-15/16"	
2"	3"	3"	3-1/8"	
2-1/4"	3-3/8"	3-3/8"	3-1/2"	
2-1/2"	3-3/4"	3-3/4"	3-7/8"	
2-3/4"	4-1/8"	4-1/8"	4-1/4"	
3"	4-1/2"	4-1/2"	4-5/8"	
3-1/4"			5"	
3-1/2"			5-3/8"	
3-3/4"			5-3/4"	
4"			6-1/2"	
4-1/4"			6-1/2"	
4-1/2"			6-7/8"	
4-3/4"			7-1/4"	
5"			7-5/8"	
5-1/4"			8"	
5-1/2"			8-3/8"	
5-3/4"			8-3/4"	
6"			9"	

BOLTS & SCREWS: Use Wrench or Socket Size Shown Below

REGULAR & FINISHED SERIES HEX & SQUARE HEAD BOLTS	HEAVY SERIES HEX & SQUARE HEAD BOLTS	LAG SCREWS	SQUARE HEAD SET SCREWS	THREAD DIAMETER OF BOLT OF SCREW
			#0 & 1	
			#2 & 3	
			#4	
			#5 & 6	
			#8	
	5/16"	3/16"	#10	
		7/32"	#12	
*3/8"-1/4"		3/8"	1/4"	1/4"
1/2"		1/2"	5/16"	5/16"
9/16"		9/16"	3/8"	3/8"
5/8"		5/8"	7/16"	7/16"
3/4"	7/8"	3/4"	1/2"	1/2"
13/16"			9/16"	9/16"
15/16"	11/16"	15/16"	5/8"	5/8"
1-1/8"	1-1/4"	1-1/8"	3/4"	3/4"
1-5/16"	1-7/16"	1-5/16"	7/8"	7/8"
1-1/2"	1-5/8"	1-1/2"	1"	1"
1-11/16"	1-13/16"	1-11/16"	1-1/8"	1-1/8"
1-7/8"	2"	1-7/8"	1-1/4"	1-1/4"
2-1/16"	2-3/16"		1-3/8"	1-3/8"
2-1/4"	2-3/8"		1-1/2"	1-1/2"
2-7/16"	2-9/16"			1-5/8"
2-5/8"	2-3/4"			1-3/4"
2-13/16"	2-15/16"			1-7/8"
3"	3-1/8"			2"
3-3/8"	3-1/2"			2-1/4"
3-3/4"	3-7/8"			2-1/2"
4-1/8"	4-1/4"			2-3/4"
4-1/2"	4-5/8"			3"
4-7/8"				3-1/4"
5-1/4"				3-1/2"
5-5/8"				3-3/4"
6"				4"

**Regular Square Bolts Only.*



CONVERSION FROM FRACTIONAL INCHES TO MILLIMETERS

INCH		MM	INCH		MM
1/64	0.0156	0.3968	33/64	0.5156	13.0968
1/32	0.0312	0.7937	17/32	0.5312	13.4937
3/64	0.0468	1.1906	35/64	0.5468	13.8906
1/16	0.0625	1.5875	9/16	0.5625	14.2875
5/64	0.0781	1.9843	37/64	0.5781	14.6843
3/32	0.0937	2.3812	19/32	0.5937	15.0812
7/64	0.1093	2.7781	39/64	0.6093	15.4781
1/8	0.1250	3.1750	5/8	0.6250	15.8750
9/64	0.1406	3.5718	41/64	0.6406	16.2718
5/32	0.1562	3.9687	21/32	0.6562	16.6687
11/64	0.1718	4.3656	43/64	0.6718	17.0656
3/16	0.1875	4.7625	11/16	0.6875	17.4625
13/64	0.2031	5.1593	45/64	0.7031	17.8593
7/32	0.2187	5.5562	23/32	0.7187	18.2562
15/64	0.2343	5.9531	47/64	0.7343	18.6531
1/4	0.2500	6.3500	3/4	0.7500	19.0500
17/64	0.2656	6.7468	49/64	0.7656	19.4468
9/32	0.2812	7.1437	25/32	0.7812	19.8437
19/64	0.2968	7.5406	51/64	0.7968	20.2406
5/16	0.3125	7.9375	13/16	0.8125	20.6375
21/64	0.3281	8.3343	53/64	0.8281	21.0343
11/32	0.3437	8.7312	27/32	0.8437	21.4312
23/64	0.3593	9.1281	55/64	0.8593	21.8281
3/8	0.3750	9.5250	7/8	0.8750	22.2250
25/64	0.3906	9.9218	57/64	0.8906	22.6218
13/32	0.4062	10.3187	29/32	0.9062	23.0187
27/64	0.4218	10.7156	59/64	0.9218	23.4156
7/16	0.4375	11.1125	15/16	0.9375	23.8125
29/64	0.4531	11.5093	61/64	0.9531	24.2093
15/32	0.4687	11.9062	31/32	0.9687	24.6062
31/64	0.4843	12.3031	63/64	0.9843	25.0031
1/2	0.5000	12.7000	1	1.0000	25.4000

NOTE: All values in this table are exact.

CONVERSION FROM FT-LBS TO METER-KILOGRAMS

The chart below can be used to convert foot pounds to meter-kilograms. The foot-pound column at the left increases in 10 ft-lb increments from 0 to 110 ft-lbs For each additional ft-lb, read the top row of numbers.

Example: If you desire 45 ft-lbs, you would look to the number 40 in the left column and the number 5 in the top row. The conversion to meter-kilograms would be 6.22 m-kgs. For your use, the conversion formula is:

FT-LBS x .1383=METER-KILOGRAMS

Ft Lbs	0 M-kgs	1 M-kgs	2 M-kgs	3 M-kgs	4 M-kgs	5 M-kgs	6 M-kgs	7 M-kgs	8 M-kgs	9 M-kgs
0	0	0.14	0.28	0.42	0.55	0.69	0.83	0.97	1.11	1.25
10	1.38	1.52	1.66	1.80	1.94	2.07	2.21	2.35	2.49	2.63
20	2.77	2.90	3.04	3.18	3.32	3.46	3.60	3.73	3.87	4.01
30	4.15	4.29	4.43	4.56	4.70	4.84	4.98	5.12	5.26	5.39
40	5.53	5.67	5.81	5.95	6.09	6.22	6.36	6.50	6.64	6.78
50	6.92	7.05	7.19	7.33	7.47	7.61	7.75	7.88	8.02	8.16
60	8.30	8.44	8.57	8.71	8.85	8.99	9.13	9.27	9.40	9.54
70	9.68	9.82	9.96	10.09	10.23	10.37	10.51	10.65	10.79	10.92
80	11.06	11.20	11.34	11.48	11.62	11.75	11.89	12.03	12.17	12.31
90	12.45	12.59	12.73	12.86	13.00	13.14	13.28	13.42	13.55	13.69
100	13.83	13.97	14.11	14.25	14.38	14.52	14.66	14.80	14.94	15.08
110	15.21	15.35	15.49	15.63	15.76	15.90	16.04	16.18	16.32	16.46

CONVERSION FROM MILLIMETERS TO INCHES

MM	INCH	MM	INCH	MM	INCH
1	0.0393	36	1.4173	71	2.7952
2	0.0787	37	1.4566	72	2.8346
3	0.1181	38	1.4960	73	2.8740
4	0.1574	39	1.5354	74	2.9133
5	0.1968	40	1.5748	75	2.9527
6	0.2362	41	1.6141	76	2.9921
7	0.2755	42	1.6535	77	3.0314
8	0.3149	43	1.6929	78	3.0708
9	0.3543	44	1.7322	79	3.1102
10	0.3937	45	1.7716	80	3.1496
11	0.4330	46	1.8110	81	3.1889
12	0.4724	47	1.8503	82	3.2283
13	0.5118	48	1.8897	83	3.2677
14	0.5511	49	1.9291	84	3.3070
15	0.5905	50	1.9685	85	3.3464
16	0.6299	51	2.0078	86	3.3858
17	0.6692	52	2.0472	87	3.4251
18	0.7086	53	2.0866	88	3.4645
19	0.7480	54	2.1259	89	3.5039
20	0.7874	55	2.1653	90	3.5433
21	0.8267	56	2.2047	91	3.5826
22	0.8661	57	2.2440	92	3.6220
23	0.9055	58	2.2834	93	3.6614
24	0.9448	59	2.3228	94	3.7007
25	0.9842	60	2.3622	95	3.7401
26	1.0236	61	2.4015	96	3.7795
27	1.0629	62	2.4409	97	3.8188
28	1.1023	63	2.4803	98	3.8582
29	1.1417	64	2.5196	99	3.8976
30	1.1811	65	2.5590	100	3.9370
31	1.2204	66	2.5984		
32	1.2598	67	2.6377		
33	1.2992	68	2.6771		
34	1.3385	69	2.7165		
35	1.3779	70	2.7559		

FORMULA TO CONVERT MM to INCHES: Divide 25.4 Into Known MM.

NOTE: The inch values in this table are rounded off.

CONVERSION FROM DECIMAL INCHES TO MILLIMETERS

INCH	MM	INCH	MM	INCH	MM
1	25.4	36	914.4	71	1,803.4
2	50.8	37	939.8	72	1,828.8
3	76.2	38	965.2	73	1,854.2
4	101.6	39	990.6	74	1,879.6
5	127.0	40	1,016.0	75	1,905.0
6	152.4	41	1,041.4	76	1,930.4
7	177.8	42	1,066.8	77	1,955.8
8	203.2	43	1,092.2	78	1,981.2
9	228.6	44	1,117.6	79	2,006.6
10	254.0	45	1,143.0	80	2,032.0
11	279.4	46	1,168.4	81	2,057.4
12	304.8	47	1,193.8	82	2,082.8
13	330.2	48	1,219.2	83	2,108.2
14	355.6	49	1,244.6	84	2,133.6
15	381.0	50	1,270.0	85	2,159.0
16	406.4	51	1,295.4	86	2,184.4
17	431.8	52	1,320.8	87	2,209.8
18	457.2	53	1,346.2	88	2,235.2
19	482.6	54	1,371.6	89	2,260.6
20	508.0	55	1,397.0	90	2,286.0
21	533.4	56	1,422.4	91	2,311.4
22	558.8	57	1,447.8	92	2,336.8
23	584.2	58	1,473.2	93	2,362.2
24	609.6	59	1,498.6	94	2,387.6
25	635.0	60	1,524.0	95	2,413.0
26	660.4	61	1,549.4	96	2,438.4
27	685.8	62	1,574.8	97	2,463.8
28	711.2	63	1,600.2	98	2,489.2
29	736.6	64	1,625.6	99	2,514.6
30	762.0	65	1,651.0	100	2,540.0
31	787.4	66	1,676.4		
32	812.8	67	1,701.8		
33	838.2	68	1,727.2		
34	863.6	69	1,752.6		
35	889.0	70	1,778.0		

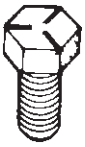
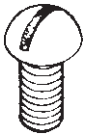
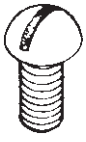
NOTE: All values in this table are exact.

STANDARD TORQUE VALUE CHART

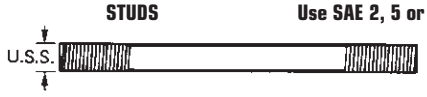
There is no difference in the above chart between the torque figures for fine or coarse threads. The torque figures for a finely-threaded fastener as compared to a coarsely-threaded fastener of the same diameter may be slightly higher but hardly worth mentioning.

CAUTION

There are many varying factors which affect torque. The above estimated torque calculations are only offered as a guide. Use of its content by anyone is the sole responsibility of that person and they assume all the risk. Refer to fastener manufacturers recommendations for proper use and application.

FASTENER	TYPE	MIN. TENSILE STRENGTH	MATERIAL	BODY SIZE OR OUTSIDE DIAMETER OF FASTENER																			
				2	3	4	5	6	8	10	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2
	SAE 2	74,000 PSI	Low Carbon Steel								6 ft-lb	12 ft-lb	20 ft-lb	32 ft-lb	47 ft-lb	69 ft-lb	96 ft-lb	155 ft-lb						
	SAE 5	120,000 PSI	Medium Carbon Heat Treat Steel								10 ft-lb	19 ft-lb	33 ft-lb	54 ft-lb	78 ft-lb	114 ft-lb	154 ft-lb	257 ft-lb	382 ft-lb	587 ft-lb	794 ft-lb	1105 ft-lb	1500 ft-lb	1775 ft-lb
	SAE 7	133,000 PSI	Medium Carbon Alloy Steel								13 ft-lb	25 ft-lb	44 ft-lb	71 ft-lb	110 ft-lb	154 ft-lb	215 ft-lb	360 ft-lb	570 ft-lb	840 ft-lb	1325 ft-lb	1825 ft-lb	2500 ft-lb	3000 ft-lb
	SAE 8	150,000 PSI	Medium Carbon Alloy Steel								14 ft-lb	29 ft-lb	47 ft-lb	78 ft-lb	119 ft-lb	169 ft-lb	230 ft-lb	380 ft-lb	600 ft-lb	900 ft-lb	1430 ft-lb	1975 ft-lb	2650 ft-lb	3200 ft-lb
	Socket Head Cap Screw	160,000 PSI	High Carbon Case Hardened Steel								16 ft-lb	33 ft-lb	54 ft-lb	84 ft-lb	125 ft-lb	180 ft-lb	250 ft-lb	400 ft-lb	640 ft-lb	970 ft-lb	1520 ft-lb	2130 ft-lb	2850 ft-lb	3450 ft-lb
	Socket Set Screw	212,000 PSI	High Carbon Case Hardened Steel					9 in-lb	16 in-lb	30 in-lb	70 in-lb	140 in-lb	18 ft-lb	29 ft-lb	43 ft-lb	63 ft-lb	100 ft-lb	146 ft-lb						
	Machine Screw Yellow Brass	60,000 PSI	Copper (Cu) 63% Zinc (Zn) 37%	2 in-lb	3.3 in-lb	4.4 in-lb	6.4 in-lb	8 in-lb	16 in-lb	20 in-lb	65 in-lb	110 in-lb	17 ft-lb	27 ft-lb	37 ft-lb	49 ft-lb	78 ft-lb	104 ft-lb	160 ft-lb	215 ft-lb	325 ft-lb	400 ft-lb		595 ft-lb
	Silicone Bronze Type "B"	70,000 PSI	Copper (Cu) 96% Zinc (Zn) 2% Silicon (Si) 2%	2.3 in-lb	3.7 in-lb	4.9 in-lb	7.2 in-lb	10 in-lb	19 in-lb	22 in-lb	70 in-lb	125 in-lb	20 ft-lb	30 ft-lb	41 ft-lb	53 ft-lb	88 ft-lb	117 ft-lb	180 ft-lb	250 ft-lb	365 ft-lb	450 ft-lb		655 ft-lb

STUDS **Use SAE 2, 5 or 8 values when grade is known, with a nut of sufficient strength**





STANDARD WRENCH SIZING CHART

NOMINAL OPENING SIZES OF PROTO® WRENCHES OR SOCKETS IN INCHES TO FIT STANDARD BOLT HEADS, NUTS AND SCREWHEADS

BOLTS—SCREWS									
WRENCH OR SOCKET SIZE		SQUARE & HEX BOLTS, CAP SCREWS & SQUARE & HEX LAG SCREWS	HEAVY HEX BOLTS & SCREWS	HEX FLANGE SCREWS	TAPPING SCREWS	HEX WASHER HEAD TAPPING SCREWS	HEX HEAD MACHINE SCREWS	HEX WASHER HEAD MACHINE SCREWS	SQUARE HEAD SET SCREWS
ACROSS FLATS	DECIMAL EQUIV.								
1/8"	0.1250	—	—	—	#1 & 2	#2 & 3	#1 & 2	#2 & 3	—
5/32"	0.1562	—	—	—	—	—	—	—	—
3/16"	0.1875	—	—	—	#3,4,5	#4 & 5	#3,4,5	#4 & 5	#10
1/4"	0.2500	—	—	—	#6,7,8	#6,7,8	#6 & 8	#6 & 8	1/4"
9/32"	0.2812	#10	—	—	—	—	—	—	—
5/16"	0.3125	—	—	—	#10 & 12	#10 & 12	#10 & 12	#10 & 12	5/16"
11/32"	0.3438	—	—	—	—	—	—	—	—
3/8"	0.3750	1/4"	—	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
7/16"	0.4375	1/4"	—	—	—	—	—	—	7/16"
1/2"	0.5000	5/16"	—	5/16"	5/16"	5/16"	5/16"	5/16"	1/2"
9/16"	0.5625	3/8"	—	3/8"	3/8"	3/8"	3/8"	3/8"	9/16"
5/8"	0.6250	7/16"	—	7/16"	—	—	—	—	5/8"
11/16"	0.6875	—	—	—	—	—	—	—	—
3/4"	0.7500	1/2"	—	1/2"	—	—	—	—	3/4"
13/16"	0.8125	9/16"	—	9/16"	—	—	—	—	—
7/8"	0.8750	—	1/2"	—	—	—	—	—	7/8"
15/16"	0.9375	5/8"	—	5/8"	—	—	—	—	—
1"	1.0000	—	—	—	—	—	—	—	1"
1-1/16"	1.0625	—	5/8"	—	—	—	—	—	—
1-1/8"	1.1250	3/4"	—	3/4"	—	—	—	—	1-1/8"
1-1/4"	1.2500	—	3/4"	—	—	—	—	—	1-1/4"
1-5/16"	1.3125	7/8"	—	—	—	—	—	—	—
1-3/8"	1.3750	—	—	—	—	—	—	—	1-3/8"
1-7/16"	1.4375	—	7/8"	—	—	—	—	—	—
1-1/2"	1.5000	1"	—	—	—	—	—	—	1-1/2"
1-5/8"	1.6250	—	1"	—	—	—	—	—	—
1-11/16"	1.6875	1-1/8"	—	—	—	—	—	—	—
1-13/16"	1.8125	—	1-1/8"	—	—	—	—	—	—
1-7/8"	1.8750	1-1/4"	—	—	—	—	—	—	—
2"	2.0000	—	1-1/4"	—	—	—	—	—	—
2-1/16"	2.0625	1-3/8"	—	—	—	—	—	—	—
2-3/16"	2.1875	—	1-3/8"	—	—	—	—	—	—
2-1/4"	2.2500	1-1/2"	—	—	—	—	—	—	—
2-3/8"	2.3750	—	1-1/2"	—	—	—	—	—	—
2-7/16"	2.4375	1-5/8"	—	—	—	—	—	—	—
2-9/16"	2.5625	—	1-5/8"	—	—	—	—	—	—
2-5/8"	2.6250	1-3/4"	—	—	—	—	—	—	—
2-3/4"	2.7500	—	1-3/4"	—	—	—	—	—	—
2-13/16"	2.8125	1-7/8"	—	—	—	—	—	—	—
2-15/16"	2.9375	—	1-7/8"	—	—	—	—	—	—
3"	3.0000	2"	—	—	—	—	—	—	—
3-1/8"	3.1250	—	2"	—	—	—	—	—	—
3-3/8"	3.3750	2-1/4"	—	—	—	—	—	—	—
3-1/2"	3.5000	—	2-1/4"	—	—	—	—	—	—
3-3/4"	3.7500	2-1/2"	—	—	—	—	—	—	—
3-7/8"	3.8750	—	2-1/2"	—	—	—	—	—	—
4-1/8"	4.1250	2-3/4"	—	—	—	—	—	—	—
4-1/4"	4.2500	—	2-3/4"	—	—	—	—	—	—
4-1/2"	4.5000	3"	—	—	—	—	—	—	—
4-5/8"	4.6250	—	3"	—	—	—	—	—	—
4-7/8"	4.8750	3-1/4"	—	—	—	—	—	—	—
5"	5.0000	—	3-1/4"	—	—	—	—	—	—
5-1/4"	5.2500	3-1/2"	—	—	—	—	—	—	—
5-3/8"	5.3750	—	3-1/2"	—	—	—	—	—	—
5-5/8"	5.6250	3-3/4"	—	—	—	—	—	—	—
5-3/4"	5.7500	—	3-3/4"	—	—	—	—	—	—
6"	6.0000	4"	—	—	—	—	—	—	—
6-1/8"	6.1250	—	4"	—	—	—	—	—	—
6-1/2"	6.5000	—	4-1/4"	—	—	—	—	—	—
6-7/8"	6.8750	—	4-1/2"	—	—	—	—	—	—
7-1/4"	7.2500	—	4-3/4"	—	—	—	—	—	—
7-5/8"	7.6250	—	5"	—	—	—	—	—	—
8"	8.0000	—	5-1/4"	—	—	—	—	—	—
8-3/8"	8.3750	—	5-1/2"	—	—	—	—	—	—
8-3/4"	8.7500	—	5-3/4"	—	—	—	—	—	—
9-1/8"	9.1250	—	6"	—	—	—	—	—	—

WARNING: WORK SAFELY WITH TOOLS. WEAR SAFETY GOGGLES.

NUTS								
SQUARE NUTS & HEAVY SQUARE NUTS	TRACK, HEAVY HEX & SQUARE, FLAT & JAM NUTS	SQUARE MACHINE SCREW NUTS	HEX NUTS & FLAT CASTLE, SLOTTED & HAM HEX NUTS	HEX FLANGE NUTS	TRACK BOLT NUTS	HEX LOCK NUTS	WRENCH OR SOCKET SIZE	
							ACROSS FLATS	DECIMAL EQUIV.
—	—	—	—	—	—	—	1/8"	0.1250
—	—	#0 & 1	—	—	—	—	5/32"	0.1562
—	—	#2 & 3	—	—	—	—	3/16"	0.1875
—	—	#4	—	—	—	#4	1/4"	0.2500
—	—	—	—	—	—	—	9/32"	0.2812
—	—	#5 & 6	—	#6	—	#6	5/16"	0.3125
—	—	#8	—	#8	—	#8	11/32"	0.3438
—	—	#10	—	#10	—	#10	3/8"	0.3750
1/4"	—	#12 & 14	1/4"	#12 & 14	—	#12 & 14	7/16"	0.4375
1/4"	1/4"	—	5/16"	5/16"	—	5/16"	1/2"	0.5000
5/16"	5/16"	5/16"	3/8"	3/8"	—	3/8"	9/16"	0.5625
3/8"	—	3/8"	—	—	—	—	5/8"	0.6250
3/8"	3/8"	—	7/16"	7/16"	—	7/16"	11/16"	0.6875
7/16"	7/16"	—	1/2"	1/2"	—	1/2"	3/4"	0.7500
1/2"	—	—	—	—	—	—	13/16"	0.8125
1/2"	1/2"	—	9/16"	9/16"	—	9/16"	7/8"	0.8750
—	9/16"	—	5/8"	5/8"	—	5/8"	15/16"	0.9375
5/8"	—	—	—	—	—	—	1"	1.0000
5/8"	5/8"	—	—	—	—	—	1-1/16"	1.0625
3/4"	—	—	3/4"	3/4"	—	3/4"	1-1/8"	1.1250
3/4"	3/4"	—	—	—	3/4" & 13/16"	—	1-1/4"	1.2500
7/8"	—	—	7/8"	—	—	7/8"	1-5/16"	1.3125
—	—	—	—	—	—	—	1-3/8"	1.3750
7/8"	7/8"	—	—	—	7/8"	—	1-7/16"	1.4375
1"	—	—	1"	—	15/16" & 1"	1"	1-1/2"	1.5000
1"	1"	—	—	—	1" & 1-1/16"	—	1-5/8"	1.6250
1-1/8"	—	—	1-1/8"	—	1-1/8"	1-1/8"	1-11/16"	1.6875
1-1/8"	1-1/8"	—	—	—	1-1/8"	—	1-13/16"	1.8125
1-1/4"	—	—	1-1/4"	—	—	1-1/4"	1-7/8"	1.8750
1-1/4"	1-1/4"	—	—	—	—	—	2"	2.0000
1-3/8"	—	—	1-3/8"	—	—	1-3/8"	2-1/16"	2.0625
1-3/8"	1-3/8"	—	—	—	—	—	2-3/16"	2.1875
1-1/2"	—	—	1-1/2"	—	—	1-1/2"	2-1/4"	2.2500
1-1/2"	1-1/2"	—	—	—	—	—	2-3/8"	2.3750
—	—	—	—	—	—	—	2-7/16"	2.4375
—	1-5/8"	—	—	—	—	—	2-9/16"	2.5625
—	—	—	—	—	—	—	2-5/8"	2.6250
—	1-3/4"	—	—	—	—	—	2-3/4"	2.7500
—	—	—	—	—	—	—	2-13/16"	2.8125
—	1-7/8"	—	—	—	—	—	2-15/16"	2.9375
—	—	—	—	—	—	—	3"	3.0000
—	2"	—	—	—	—	—	3-1/8"	3.1250
—	—	—	—	—	—	—	3-3/8"	3.3750
—	2-1/4"	—	—	—	—	—	3-1/2"	3.5000
—	—	—	—	—	—	—	3-3/4"	3.7500
—	2-1/2"	—	—	—	—	—	3-7/8"	3.8750
—	-—	—	—	—	—	—	4-1/8"	4.1250
—	2-3/4"	—	—	—	—	—	4-1/4"	4.2500
—	—	—	—	—	—	—	4-1/2"	4.5000
—	3"	—	—	—	—	—	4-5/8"	4.6250
—	—	—	—	—	—	—	4-7/8"	4.8750
—	3-1/4"	—	—	—	—	—	5"	5.0000
—	3-1/2"	—	—	—	—	—	5-1/4"	5.2500
—	3-1/2"	—	—	—	—	—	5-3/8"	5.3750
—	3-3/4"	—	—	—	—	—	5-5/8"	5.6250
—	3-3/4"	—	—	—	—	—	5-3/4"	5.7500
—	4"	—	—	—	—	—	6"	6.0000
—	4"	—	—	—	—	—	6-1/8"	6.1250
—	—	—	—	—	—	—	6-1/2"	6.5000
—	—	—	—	—	—	—	6-7/8"	6.8750
—	—	—	—	—	—	—	7-1/4"	7.2500
—	—	—	—	—	—	—	7-5/8"	7.6250
—	—	—	—	—	—	—	8"	8.0000
—	—	—	—	—	—	—	8-3/8"	8.3750
—	—	—	—	—	—	—	8-3/4"	8.7500
—	—	—	—	—	—	—	9-1/8"	9.1250



METRIC WRENCH SIZING CHART

NOMINAL OPENING SIZES OF PROTO® WRENCHES OR SOCKETS IN INCHES TO FIT STANDARD BOLT HEADS, NUTS AND SCREWHEADS

Locate thread diameter of bolt, nut or screw in extreme left or right column. Then move across to box which has proper identification of bolt, nut or screw at top of vertical column. The size in this particular box is the nominal opening size in inches of the PROTO® wrench and sockets that will fit.

American Standards Association—ASA B18.2, Appendix I

BOLTS: Use Wrench or Socket Size Shown Below			
WRENCH OR SOCKET SIZE ACROSS FLATS	HEX BOLTS	HEAVY HEX BOLTS	HEAVY HEX STRUCTURAL BOLTS
3.20	—	—	—
4.00	—	—	—
5.00	—	—	—
5.50	—	—	—
6.00	—	—	—
7.00	—	—	—
8.00	M5 x 0.8	—	—
10.00	M6 x 1	—	—
13.00	M8 x 1.25	—	—
15.00	M10 x 1.5	—	—
16.00	M10 x 1.5	—	—
18.00	M12 x 1.75	—	—
21.00	M14 x 2	M12 x 1.75	—
24.00	M16 x 2	M14 x 2	—
27.00	—	M16 x 2	M16 x 2
30.00	M20 x 2.5	—	—
34.00	—	M20 x 2.5	M20 x 2.5
36.00	M24 x 3	—	M22 x 2.5
41.00	—	M24 x 3	M24 x 3
46.00	M30 x 3.5	—	M27 x 3
50.00	—	M30 x 3.5	M30 x 3.5
55.00	M36 x 4	—	—
60.00	—	M36 x 4	M36 x 4
65.00	M42 x 4.5	—	—
70.00	—	—	—
75.00	M48 x 5	—	—
80.00	—	—	—
85.00	M56 x 5.5	—	—
90.00	—	—	—
95.00	M64 x 6	—	—
100.00	—	—	—
105.00	M72 x 6	—	—
110.00	—	—	—
115.00	M80 x 6	—	—
120.00	—	—	—
130.00	M90 x 6	—	—
135.00	—	—	—
145.00	M100 x 6	—	—
150.00	—	—	—

NUTS: Use Wrench or Socket Size Shown Below				
HEX NUTS STYLE 1	HEX NUTS STYLE 1	SLOTTED & HAM HEX NUTS	HEAVY HEX NUTS	WRENCH OR SOCKET SIZE ACROSS FLATS
M1.6 x 0.35	—	—	—	3.20
M2 x 0.4	—	—	—	4.00
M2.5 x 0.45	—	—	—	5.00
M3 x 0.5	M3 x 0.5	—	—	5.50
M3.5 x 0.6	M3.5 x 0.6	—	—	6.00
M4 x 0.7	M4 x 0.7	—	—	7.00
M5 x 0.8	M5 x 0.8	M5 x 0.8	—	8.00
M6 x 1	M6 x 1	M6 x 1	—	10.00
M8 x 1.25	M8 x 1.25	M8 x 1.25	—	13.00
M10 x 1.5	M10 x 1.5	M10 x 1.5	—	15.00
M10 x 1.5	M10 x 1.5	M10 x 1.5	—	16.00
M12 x 1.75	M12 x 1.75	M12 x 1.75	—	18.00
M14 x 2	M14 x 2	M14 x 2	M12 x 1.75	21.00
M16 x 2	M16 x 2	M16 x 2	M14 x 2	24.00
—	—	—	M16 x 2	27.00
M20 x 2.5	M20 x 2.5	M20 x 2.5	—	30.00
—	—	—	M20 x 2.5	34.00
M24 x 3	M24 x 3	M24 x 3	M22 x 2.5	36.00
—	—	—	M24 x 3	41.00
M30 x 3.5	M30 x 3.5	M30 x 3.5	M27 x 3	46.00
—	—	—	M30 x 3.5	50.00
M36 x 4	M36 x 4	M36 x 4	—	55.00
—	—	—	M36 x 4	60.00
—	—	—	—	65.00
—	—	—	M42 x 4.5	70.00
—	—	—	—	75.00
—	—	—	M48 x 5	80.00
—	—	—	—	85.00
—	—	—	M56 x 5.5	90.00
—	—	—	—	95.00
—	—	—	M64 x 6	100.00
—	—	—	—	105.00
—	—	—	M72 x 6	110.00
—	—	—	—	115.00
—	—	—	M80 x 6	120.00
—	—	—	—	130.00
—	—	—	M90 x 6	135.00
—	—	—	—	145.00
—	—	—	M100 x 6	150.00

STANDARD TORQUE VALUE CHART FOR METRIC FASTENERS (TORQUE—KILO-NEWTON)

CONVERSION GUIDANCE

- Class 4.6 is approximately equal to SAE Grade 1, and ASTM A307, Grade A.
- Class 5.8 is approximately equal to SAE Grade 2.
- Class 8.8 is approximately equal to SAE Grade 5, and ASTM A449.
- Class 9.8 has properties approximately 9 percent stronger than SAE Grade 5, and ASTM A449.
- Class 10.9 is approximately equal to SAE Grade 8, and ASTM A354, Grade BD.

CLASS	4.6	4.8	5.8	8.8	9.8	10.9	12.9
PROOF LOAD MPA	225	310	380	600	650	830	970
M1.6x0.35 (0.063)		0.39			0.83		1.23
M2x0.4 (0.079)		0.64			1.35		2.01
M2.5x0.45 (0.098)		1.05			2.20		3.29
M3x0.5 (0.118)		1.56			3.27		4.88
M3.4x0.6 (0.138)		2.10			4.41		6.58
M4x0.7 (0.157)		2.72			5.71		8.52
M5x0.8 (0.197)	3.20	4.40	5.40		9.23	11.80	13.80
M6.3x1 (0.248)	5.09	7.01	8.59		14.70	18.80	21.90
M8x1.25 (0.315)	8.24	11.30	13.90		23.80	30.40	35.50
M10x1.5 (0.394)	13.10	18.00	22.00		37.70	48.10	56.30
M12x1.75 (0.472)	19.00	26.10	32.00		54.80	70.00	81.80
M14x2 (0.551)	25.90	35.70	43.70		74.80	95.40	112.00
M16x2 (0.630)	35.30	48.70	59.70	94.20	102.00	130.00	152.00
M20x2.5 (0.787)	55.10		93.10	147.00		203.00	238.00
M24x3 (0.945)	79.40		134.00	212.00		293.00	342.00
M30x3.5 (1.181)	126.00			337.00		466.00	544.00
M36x4 (1.417)	184.00			490.00		678.00	792.00



NEWTON METER TORQUE VALUE CONVERSIONS

NOTE: The International Metric System measures torque in Newton meters (Nm).
A Newton is defined as the force necessary to move one kilogram one meter per second.

FROM FT-LB TO NM

Ft Lb	0 Nm	1 Nm	2 Nm	3 Nm	4 Nm	5 Nm	6 Nm	7 Nm	8 Nm	9 Nm
0	0	1.36	2.71	4.07	5.42	6.78	8.13	9.49	10.84	12.20
10	13.56	14.91	16.27	17.62	18.98	20.33	21.69	23.05	24.40	25.76
20	27.11	28.47	29.83	31.18	32.54	33.89	35.25	36.61	37.97	39.32
30	40.67	42.02	43.38	44.73	46.09	47.45	48.80	50.16	51.51	52.87
40	54.22	55.58	56.94	58.29	59.65	61.00	62.36	63.71	65.07	66.42
50	67.78	69.14	70.49	71.85	73.20	74.56	75.91	77.27	78.62	79.98
60	81.33	82.69	84.05	85.40	86.76	88.11	89.47	90.83	92.18	93.54
70	94.89	96.25	97.60	98.96	100.31	101.67	103.03	104.38	105.74	107.09
80	108.45	109.80	111.16	112.51	113.87	115.23	116.58	117.94	119.29	120.65
90	122.00	123.36	124.72	126.07	127.43	128.78	130.14	131.49	132.85	134.20
100	135.58									

ft-lb x 1.3558 = Nm

FROM NM TO FT-LB

Nm	0 ft-lb	1 ft-lb	2 ft-lb	3 ft-lb	4 ft-lb	5 ft-lb	6 ft-lb	7 ft-lb	8 ft-lb	9 ft-lb
0	0	0.74	1.48	2.21	2.95	3.69	4.43	5.16	5.90	6.64
10	7.38	8.11	8.85	9.59	10.33	11.06	11.80	12.54	13.28	14.01
20	14.75	15.49	16.23	16.96	17.70	18.44	19.18	19.91	20.65	21.39
30	22.13	22.86	23.60	24.34	25.08	25.81	26.55	27.29	28.03	28.76
40	29.50	30.24	30.98	31.72	32.45	33.19	33.93	34.67	35.40	36.14
50	36.88	37.62	38.35	39.09	39.83	40.57	41.30	42.04	42.78	43.52
60	44.25	44.99	45.73	46.47	47.20	47.94	48.68	49.42	50.15	50.89
70	51.63	52.37	53.10	53.84	54.58	55.32	56.05	56.79	57.53	58.27
80	59.00	59.74	60.48	61.22	61.96	62.69	63.43	64.17	64.91	65.64
90	66.38	67.12	67.86	68.59	69.33	70.07	70.81	71.54	72.28	73.02
100	73.76									

Nm x 0.73756 = ft-lb

FROM IN-LB TO NM

In Lb	0 Nm	1 Nm	2 Nm	3 Nm	4 Nm	5 Nm	6 Nm	7 Nm	8 Nm	9 Nm
0	0	0.11	0.22	0.33	0.45	0.56	0.67	0.79	0.90	1.02
10	1.13	1.24	1.36	1.47	1.58	1.70	1.81	1.92	2.03	2.15
20	2.26	2.37	2.49	2.60	2.71	2.83	2.94	3.05	3.16	3.28
30	3.39	3.50	3.62	3.73	3.84	3.96	4.07	4.18	4.29	4.41
40	4.52	4.63	4.75	4.86	4.97	5.09	5.20	5.31	5.42	5.54
50	5.65	5.76	5.88	5.99	6.10	6.22	6.33	6.44	6.55	6.67
60	6.78	6.89	7.01	7.12	7.23	7.35	7.46	7.57	7.68	7.80
70	7.91	8.02	8.14	8.25	8.36	8.48	8.59	8.70	8.81	8.93
80	9.04	9.15	9.27	9.38	9.49	9.61	9.72	9.83	9.94	10.06
90	10.17	10.28	10.40	10.51	10.62	10.74	10.85	10.96	11.07	11.19
100	11.30									

in-lb x .1130 = Nm

FROM NM TO IN-LB

Nm	0 in-lb	1 in-lb	2 in-lb	3 in-lb	4 in-lb	5 in-lb	6 in-lb	7 in-lb	8 in-lb	9 in-lb
0	0	8.85	17.70	26.55	35.40	44.25	53.10	61.95	70.81	79.66
10	88.51	97.36	106.21	115.06	123.91	132.76	141.61	150.46	159.31	168.16
20	177.01	185.86	194.72	203.57	212.42	221.27	230.12	238.98	247.82	256.67
30	265.52	274.38	283.22	292.07	300.92	309.77	318.62	327.48	336.33	345.18
40	354.03	362.88	371.73	380.58	389.43	398.28	407.13	415.98	424.83	433.68
50	442.53	451.36	460.24	469.09	477.94	486.79	495.64	504.49	513.34	522.19
60	531.04	539.89	548.74	557.59	566.44	575.30	584.15	593.00	601.85	610.70
70	619.55	628.40	637.25	646.10	654.95	663.80	672.65	681.50	690.35	699.20
80	708.06	716.91	725.76	734.61	743.46	752.31	761.16	770.01	778.86	787.72
90	796.56	805.41	814.26	823.12	831.97	840.82	849.67	858.52	867.37	876.22
100	885.07									

Nm x 8.8507 = in-lb

FROM IN-OZ TO NM

In Oz	0 Nm	1 Nm	2 Nm	3 Nm	4 Nm	5 Nm	6 Nm	7 Nm	8 Nm	9 Nm
0	0	.007	.014	.021	.028	.035	.042	.049	.056	.064
10	.071	.078	.085	.092	.098	.106	.113	.120	.127	.134
20	.141	.148	.155	.162	.169	.177	.184	.191	.198	.205
30	.212	.219	.226	.232	.240	.247	.254	.261	.268	.275
40	.282	.289	.297	.304	.312	.318	.324	.332	.339	.346
50	.353	.360	.367	.374	.381	.388	.395	.402	.409	.417
60	.424	.431	.438	.445	.452	.459	.466	.473	.480	.487
70	.494	.501	.508	.515	.522	.530	.537	.544	.551	.558
80	.565	.572	.579	.586	.593	.600	.607	.614	.621	.628
90	.635	.642	.650	.657	.664	.671	.678	.685	.692	.699
100	.706									

in-oz x .00706 = Nm

FROM NM TO IN-OZ

Nm	.00 in-oz	.01 in-oz	.02 in-oz	.03 in-oz	.04 in-oz	.05 in-oz	.06 in-oz	.07 in-oz	.08 in-oz	.09 in-oz
0.0	0	1.42	2.83	4.25	5.66	7.08	8.50	9.91	11.33	12.74
0.1	14.16	15.58	16.99	18.41	19.83	21.24	22.66	24.07	25.49	26.91
0.2	28.32	29.74	31.15	32.57	33.99	35.40	36.82	38.23	39.65	41.07
0.3	42.48	43.90	45.32	46.73	48.15	49.56	50.98	52.40	53.81	55.23
0.4	56.64	58.06	59.48	60.89	62.31	63.72	65.14	66.56	67.97	69.39
0.5	70.81	72.22	73.64	75.05	76.47	77.89	79.30	80.72	82.13	83.55
0.6	84.97	86.41	87.80	89.21	90.63	92.05	93.46	94.88	96.30	97.71
0.7	99.13	100.54	101.96	103.38	104.79	106.21	107.62	109.04	110.46	111.87
0.8	113.29	114.70	116.12	117.54	118.95	120.37	121.79	123.20	124.62	126.03
0.9	127.45	128.87	130.28	131.70	133.11	134.53	135.95	137.36	138.78	140.19
1.0	141.61									

Nm x 141.6119 = in-oz

FROM M-KG TO NM

M Kg	0 Nm	1 Nm	2 Nm	3 Nm	4 Nm	5 Nm	6 Nm	7 Nm	8 Nm	9 Nm
0	0	9.81	19.61	29.42	39.23	49.03	58.84	68.65	78.45	88.26
10	98.07	107.87	117.68	127.49	137.30	147.10	156.90	166.71	176.52	186.33
20	196.13	205.94	215.75	225.55	235.36	245.17	254.98	264.78	274.59	284.40
30	294.20	304.00	313.81	323.62	333.43	343.23	353.04	362.85	372.65	382.46
40	392.27	402.07	411.88	421.69	431.49	441.30	451.11	460.91	470.72	480.53
50	490.33	500.14	509.95	519.75	529.56	539.37	549.17	558.95	568.79	578.60
60	588.40	598.21	608.01	617.82	627.63	637.43	647.24	657.05	666.86	676.66
70	686.47	696.27	706.08	715.89	725.70	735.50	745.30	755.11	764.92	774.73
80	784.53	794.34	804.15	813.95	823.76	833.57	843.37	853.18	862.99	872.79
90	882.60	892.41	902.21	912.02	921.83	931.63	941.44	951.25	961.05	970.86
100	980.67									

m-kg (or kpm) x 9.80665 = Nm

FROM NM TO M-KG

Nm	0 m-kg	1 m-kg	2 m-kg	3 m-kg	4 m-kg	5 m-kg	6 m-kg	7 m-kg	8 m-kg	9 m-kg
0	0	0.102	0.204	0.306	0.408	0.510	0.611	0.714	0.816	0.918
10	1.020	1.122	1.224	1.326	1.428	1.530	1.632	1.733	1.835	1.937
20	2.039	2.141	2.243	2.345	2.447	2.549	2.651	2.753	2.855	2.957
30	3.059	3.161	3.263	3.365	3.467	3.569	3.671	3.773	3.875	3.977
40	4.079	4.181	4.283	4.385	4.487	4.589	4.691	4.793	4.895	4.997
50	5.099	5.200	5.302	5.404	5.506	5.608	5.710	5.812	5.914	6.016
60	6.118	6.220	6.322	6.424	6.526	6.628	6.730	6.832	6.934	7.036
70	7.138	7.240	7.342	7.444	7.546	7.648	7.750	7.852	7.954	8.056
80	8.158	8.260	8.362	8.464	8.565	8.667	8.769	8.871	8.973	9.075
90	9.177	9.279	9.381	9.483	9.585	9.687	9.789	9.891	9.993	10.095
100	10.197									

Nm x .10197 = m-kg (or kpm)

TORQUE VALUE CONVERSIONS

NOTE: One meter kilogram is equal to one meter kilopond (expressed as: 1 m-kg - 1kpm)

FROM IN-LB TO IN-OZ

In Lb	0 in-oz	1 in-oz	2 in-oz	3 in-oz	4 in-oz	5 in-oz	6 in-oz	7 in-oz	8 in-oz	9 in-oz
0	0	16	32	48	64	80	96	112	128	144
10	160	176	192	208	224	240	256	272	288	304
20	320	336	352	368	384	400	416	432	448	464
30	480	496	512	528	544	560	576	592	608	624
40	640	656	672	688	704	720	736	752	768	784
50	800	816	832	848	864	880	896	912	928	944
60	960	976	992	1008	1024	1040	1056	1072	1088	1104
70	1120	1136	1152	1168	1184	1200	1216	1232	1248	1264
80	1280	1296	1312	1328	1344	1360	1376	1392	1408	1424
90	1440	1456	1472	1488	1504	1520	1536	1552	1568	1584
100	1600									

in-lb x 16 = in-oz

FROM IN-OZ TO IN-LB

In Oz	0 in-lb	1 in-lb	2 in-lb	3 in-lb	4 in-lb	5 in-lb	6 in-lb	7 in-lb	8 in-lb	9 in-lb
0	0	0.063	0.125	0.188	0.250	0.313	0.375	0.438	0.500	0.563
10	0.625	0.688	0.750	0.813	0.875	0.938	1.000	1.063	1.125	1.188
20	1.250	1.313	1.375	1.438	1.500	1.563	1.625	1.688	1.750	1.813
30	1.875	1.938	2.000	2.063	2.125	2.188	2.250	2.313	2.375	2.438
40	2.500	2.563	2.625	2.688	2.750	2.813	2.875	2.938	3.000	3.063
50	3.125	3.188	3.250	3.313	3.375	3.438	3.500	3.563	3.625	3.688
60	3.750	3.813	3.875	3.938	4.000	4.063	4.125	4.188	4.250	4.313
70	4.375	4.438	4.500	4.563	4.625	4.688	4.750	4.813	4.875	4.938
80	5.000	5.063	5.125	5.188	5.250	5.313	5.375	5.438	5.500	5.563
90	5.625	5.688	5.750	5.813	5.875	5.938	6.000	6.063	6.125	6.188
100	6.250									

in-oz ÷ 16 = in-lb

FROM FT-LB TO IN-LB

Ft Lb	0 in-lb	1 in-lb	2 in-lb	3 in-lb	4 in-lb	5 in-lb	6 in-lb	7 in-lb	8 in-lb	9 in-lb
0	0	12	24	36	48	60	72	84	96	108
10	120	132	144	156	168	180	192	204	216	228
20	240	252	264	276	288	300	312	324	336	348
30	360	372	384	396	408	420	432	444	456	468
40	480	492	504	516	528	540	552	564	576	588
50	600	612	624	636	648	660	672	684	696	708
60	720	732	744	756	768	780	792	804	816	828
70	840	852	864	876	888	900	912	924	936	948
80	960	972	984	996	1008	1020	1032	1044	1056	1068
90	1080	1092	1104	1116	1128	1140	1152	1164	1176	1188
100	1200									

ft-lb x 12 = in-lb

FROM IN-LB TO FT-LB

In Lb	0 ft-lb	1 ft-lb	2 ft-lb	3 ft-lb	4 ft-lb	5 ft-lb	6 ft-lb	7 ft-lb	8 ft-lb	9 ft-lb
0	0	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750
10	0.833	0.917	1.000	1.083	1.167	1.250	1.333	1.417	1.500	1.583
20	1.667	1.750	1.833	1.917	2.000	2.083	2.167	2.250	2.333	2.417
30	2.500	2.583	2.667	2.750	2.833	2.917	3.000	3.083	3.167	3.250
40	3.333	3.417	3.500	3.583	3.667	3.750	3.833	3.917	4.000	4.083
50	4.167	4.250	4.333	4.417	4.500	4.583	4.667	4.750	4.833	4.917
60	5.000	5.083	5.167	5.250	5.333	5.417	5.500	5.583	5.667	5.750
70	5.833	5.917	6.000	6.083	6.167	6.250	6.333	6.417	6.500	6.583
80	6.667	6.750	6.833	6.917	7.000	7.083	7.167	7.250	7.333	7.417
90	7.500	7.583	7.667	7.750	7.833	7.917	8.000	8.083	8.167	8.250
100	8.333									

in-lb ÷ 12 = ft-lb

FROM IN-LB TO CM-KG

In Lb	0 cm-kg	1 cm-kg	2 cm-kg	3 cm-kg	4 cm-kg	5 cm-kg	6 cm-kg	7 cm-kg	8 cm-kg	9 cm-kg
0	0	1.15	2.30	3.45	4.60	5.76	6.91	8.06	9.21	10.36
10	11.52	12.67	13.83	14.97	16.13	17.28	18.43	19.59	20.74	21.89
20	23.04	24.19	25.35	26.49	27.65	28.80	29.96	31.07	32.26	33.41
30	34.56	35.71	36.87	38.02	39.17	40.32	41.47	42.62	43.77	44.93
40	46.09	47.23	48.39	49.54	50.69	51.85	52.99	54.14	55.29	56.45
50	57.61	58.75	59.90	61.06	62.21	63.37	64.51	65.66	66.81	67.96
60	69.13	70.27	71.42	72.57	73.73	74.89	76.03	77.18	78.33	79.49
70	80.65	81.79	82.94	84.05	85.21	86.41	87.58	88.75	89.91	91.00
80	92.17	93.32	94.49	95.66	96.83	97.93	99.08	100.20	101.40	102.60
90	103.70	104.90	106.10	107.20	108.30	109.50	110.70	111.80	112.90	114.10
100	115.20									

in-lb x 1.152 = cm-kg

FROM CM-KG TO IN-LB

Cm Kg	.00 ft-lb	.01 ft-lb	.02 ft-lb	.03 ft-lb	.04 ft-lb	.05 ft-lb	.06 ft-lb	.07 ft-lb	.08 ft-lb	.09 ft-lb
0	0	.868	1.735	2.603	3.471	4.339	5.206	6.074	6.942	7.809
10	8.677	9.545	10.412	11.280	12.148	13.016	13.883	14.751	15.619	16.486
20	17.354	18.222	19.089	19.957	20.825	21.693	22.560	23.428	24.296	25.163
30	26.031	26.899	27.766	28.634	29.502	30.370	31.237	32.105	32.973	33.840
40	34.708	35.576	36.443	37.311	38.179	39.047	39.914	40.782	41.650	42.517
50	43.385	44.253	45.120	45.988	46.856	47.724	48.591	49.459	50.327	51.194
60	52.062	52.930	53.797	54.665	55.533	56.401	57.268	58.136	59.004	59.871
70	60.739	61.607	62.474	63.342	64.010	65.078	65.945	66.813	67.681	68.548
80	69.416	70.284	71.151	72.019	72.887	73.754	74.622	75.490	76.358	77.225
90	78.093	78.961	79.828	80.670	81.564	82.432	83.299	84.167	85.035	85.902
100	86.770									

cm-kg x .8677 = in-lb

FROM FT-LB TO M-KG

Ft Lb	0 m-kg	1 m-kg	2 m-kg	3 m-kg	4 m-kg	5 m-kg	6 m-kg	7 m-kg	8 m-kg	9 m-kg
0	0	0.138	0.277	0.415	0.553	0.691	0.830	0.968	1.106	1.245
10	1.383	1.521	1.660	1.798	1.936	2.074	2.212	2.351	2.489	2.628
20	2.766	2.904	3.043	3.181	3.319	3.457	3.596	3.734	3.872	4.011
30	4.149	4.287	4.426	4.564	4.702	4.840	4.979	5.117	5.255	5.394
40	5.532	5.670	5.809	5.947	6.085	6.223	6.362	6.500	6.638	6.777
50	6.915	7.053	7.191	7.330	7.468	7.606	7.745	7.883	8.021	8.159
60	8.298	8.436	8.574	8.713	8.851	8.989	9.128	9.266	9.404	9.543
70	9.681	9.819	9.957	10.09	10.23	10.37	10.51	10.65	10.79	10.92
80	11.06	11.20	11.34	11.48	11.62	11.75	11.89	12.03	12.17	12.31
90	12.45	12.59	12.73	12.86	13.00	13.14	13.28	13.42	13.55	13.69
100	13.83									

ft-lb x .1383 = m-kg

FROM M-KG TO FT-LB

M Kg	0 ft-lb	1 ft-lb	2 ft-lb	3 ft-lb	4 ft-lb	5 ft-lb	6 ft-lb	7 ft-lb	8 ft-lb	9 ft-lb
0	0	7.23	14.47	21.70	28.93	36.17	43.40	50.63	57.86	65.10
10	72.40	79.6	86.8	94.0	101.3	108.5	115.7	123.0	130.2	137.4
20	144.70	151.9	159.1	166.4	173.6	180.8	188.1	195.3	202.5	209.8
30	217.0	224.2	231.5	238.7	245.9	253.2	260.4	267.6	274.9	282.1
40	289.3	296.6	303.9	311.0	318.3	325.5	332.7	340.0	347.2	354.4
50	361.7	368.9	376.1	383.3	390.6	397.8	405.0	412.3	419.2	426.7
60	434.0	441.2	448.4	455.7	462.9	470.1	477.7	484.6	491.8	499.1
70	506.3	513.5	520.8	528.0	535.2	542.5	549.7	556.9	564.2	571.4
80	578.6	585.9	593.1	600.3	607.6	614.8	622.0	629.3	636.5	643.7
90	651.0	658.2	665.4	672.7	679.9	687.1	694.4	701.6	708.8	716.1
100	723.3									

m-kg x 7.233 = ft-lb

SPECIFICATIONS AND QUALITY

PRODUCT SPECIFICATIONS

Dimensions, sizes and weights listed for products in this catalog are nominal and are provided as a convenience for reference only. No representations or warranties are made as to the dimensions and weights listed in the Proto® Catalog. They are subject to change without notice.

INDUSTRY SPECIFICATIONS

Applicable products are designed and manufactured to meet and exceed applicable industry standards.

All of the specifications, descriptions and data shown in the Proto® Catalog are intended as a guide.

The ASME, ANSI, Federal and Aerospace specifications are for classification of types of tools and do not mean that, in every case, the tool is in full compliance with the specification indicated.

When bidding on tools that require conformity to specifications or a commercial item description, please contact our Customer Service experts at 1-800-800-TOOL.

PROTO® QUALITY CONTROL

The Proto® Engineering Test and Measurement Laboratory is utilized for product testing and part measurement inspections. It uses advanced measurement equipment and technology while maintaining full metallurgical capabilities. The lab is ISO9001-certified.

Product quality audits are performed in the Manufacturing Plants and Distribution Centers. Engineering teams incorporate Computer Aided Designs (CAD) and Finite Element Analysis (FEA) to ensure designs are optimized for performance, aesthetics, and manufacturability. Inspections of initial material receipt through final assembly and finishing are performed to ensure each area of the tool manufacturing process meets the design specifications. Use of “in-process” drawings allows operators to machine and inspect parts at each stage of the manufacturing process.

Cross-functional teams including sales, product management, manufacturing, and engineering help ensure that customer needs are being addressed in design and development stages. New products are field tested in the pre-production development stage to ensure they stand up to the rigor of actual field use prior to production release.

Torque measurement products are fully tested and calibrated prior to leaving the manufacturing facility.

WARRANTY AND DISCLAIMER

LIMITED LIFETIME WARRANTY

Except as specified below, Proto Industrial Tools, a business unit of Stanley Black & Decker, Inc. ("Proto") warrants any of its Proto® branded products, including products sold by Proto Industrial Tools that are marketed as products "by Proto," for the useful life of the product against defects in material or workmanship.

Torque Wrenches, Torque Multipliers and Torque Testers are warranted for one year, except for calibration which is warranted for 90 days from date of purchase. Torque products can be repaired and recalibrated for a nominal charge at the Proto authorized repair center located at 2195 East View Parkway, Ste 103, Conyers, GA, 30013 or any other such location as may be designated by Proto. Defects in material or workmanship will be repaired or replaced at no cost: all other repairs will be at a nominal charge. Torque products are precise measuring devices that require care in handling. Proto recommends that all torque wrenches be recalibrated once a year or more, depending on usage.

DISCLAIMERS AND LIMITATIONS

This limited lifetime warranty:

- Is subject to the disclaimers and limitations described below and is in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose.
- Gives you specific legal rights. You may also have other rights that vary by state.
- Does not extend to products that have been improperly used, altered, or repaired by any entity other than Proto.
- Does not cover the following categories of products: universal sockets, universal joints, thin-wall impact sockets, adapters, and retaining rings.
- Does not cover damage due to ordinary wear and tear.
- Does not extend to any claim for incidental, consequential, or special damages. Some states do not allow the exclusion of limitation of incidental or consequential damages, so this exclusion may not apply to you.
- Proto makes no representations beyond those contained in this Limited Lifetime Warranty.
- Employees and agents of Proto have no authority to make representations of any sort beyond those contained in this Limited Lifetime Warranty.

EXCLUSIVE REMEDY AND CLAIM PROCEDURE

- Distributors of record must act as a return agent.
- The exclusive remedy under this Limited Lifetime Warranty for products determined to be deficient in materials or workmanship by Proto is repair or replacement with a reconditioned tool of equal value by Proto.
- The selected remedy is at the sole discretion of Proto. In no event shall Proto be responsible for more than the original purchase price of the product.

PROTO®



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