



FULL RANGE OF ELECTRICAL SAFETY SUPPLIES



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FULL RANGE OF ELECTRIC PROTECTIVE CLOTHING

PUTTING ELECTRICAL SAFETY FIRST

CAT 5500-21-C

PPE CATEGORY LEVEL CHART NFPA 2012

CATEGORY

0

What Personal Protection Equipment (PPE) You Shall Wear:

- [X] Cotton Undergarments
- [X] Long Sleeved Shirt (Natural Fiber)
- [X] Long Pants (Natural Fiber)
- [X] Safety Glasses or Goggles
- [X] Hearing Protection (Inserts)
- [X] Leather Gloves (as needed) or Insulating Gloves w/Protectors



CATEGORY

1

ENDING AT 4 CAL/CM²

What Personal Protection Equipment (PPE) You Shall Wear:

- [X] Cotton Undergarments
- [X] Arc Rated Long Sleeved Shirt (or FR Coveralls)
- [X] Arc Rated Long Pants (or FR Coveralls)
- [X] Hard Hat with Arc Rated Face Shield
- [X] Hearing Protection (Inserts)
- [X] Safety Glasses or Goggles
- [X] Leather Gloves or Insulating Gloves w/Protectors
- [X] Leather Shoes (as needed)



CATEGORY

2

ENDING AT 8 CAL/CM²

What Personal Protection Equipment (PPE) You Shall Wear:

- [X] Cotton Undergarments
- [X] Short Sleeved "T" Shirt (Natural Fiber)
- [X] Arc Rated (12cal) Arc Flash Hood or Hard Hat with Arc Rated Face Shield w/Sock Balaclava with Coveralls or Jacket & Bibs or 50" Coat with Leggings
- [X] Safety Glasses or Goggles
- [X] Hearing Protection
- [X] Arc Rated Leather Gloves or Insulating Gloves w/Protectors
- [X] Leather Shoes



CATEGORY

3

ENDING AT 25 CAL/CM²

What Personal Protection Equipment (PPE) You Shall Wear:

- [X] Cotton Undergarments
- [X] Short Sleeved "T" Shirt (Natural Fiber)
- [X] Arc Rated (25cal) Arc Flash Hood with Coveralls or Jacket & Bibs or 50" Coat with Leggings
- [X] Hard Hat
- [X] Safety Glasses or Goggles
- [X] Hearing Protection
- [X] Arc Rated Leather Gloves or Insulating Gloves w/Protectors
- [X] Leather Shoes



CATEGORY

4

ENDING AT 40 CAL/CM²

What Personal Protection Equipment (PPE) You Shall Wear:

- [X] Cotton Undergarments
- [X] Short Sleeved "T" Shirt (Natural Fiber)
- [X] Arc Rated (40cal) Arc Flash Hood with Coveralls or Jacket & Bibs or 50" Coat with Leggings
- [X] Hard Hat
- [X] Safety Glasses or Goggles
- [X] Hearing Protection
- [X] Arc Rated Leather Gloves or Insulating Gloves w/Protectors
- [X] Leather Shoes



Always wear voltage rated rubber glove liners when working above 50 volts in all categories!

ARC FLASH wear



PPE
Category
Level Chart 2



NFPA
70E Electrical Safety
Compliance Chart 4 to 5



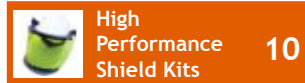
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Insulating
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WHO WE ARE

The best way to answer that is to tell you who we are not. We are not a foreign company operating in the USA. We are not an American company having our products made in a foreign country with cheap labor. And with few exceptions, we are not in the least bit interested in buying, supporting, or promoting "off shore" goods that have been streaming into our country.

We are a family owned American manufacturing company located in beautiful Colorado.

Our mission is simple - "to continue the growth and development of OEL through the medium of sales and customer service. To treat our customers with the utmost respect and integrity; to strive to make OEL an industry leader in the Arc Flash/Electrical Safety and Telecom industries: lastly to help those around us reach their goals by bestowing our product knowledge to them in an honest, concise and courteous manner.

OEL wants to protect the American Worker without having to sacrifice comfort by providing the most advanced, high tech products found anywhere. Our cutting edge products are designed to be comfortable, fit well, not shrink excessively, not lose color when laundered, retain their shape and surface appearance, and reflect the image your company wishes to present. We make you feel good and look good while retaining the full flame-resistant properties for the useful life of the garments.

Blessed is the nation whose God is the LORD; and the people whom he hath chosen for his own inheritance. Psalms 33:12

A comprehensive line of convenient Arc Flash protective clothing!

OHSA 29 CFR 1910.269 (1)(iii) requires employers to ensure that their employee's clothing does not increase the extent of injuries sustained when exposed to flames or electric arcs.

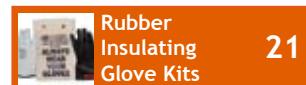
Clothing worn for a particular application must have a Breakeven Threshold Energy (EBT) or Arc Thermal Performance Value (ATPV) higher than the potential hazard to prevent the onset of second degree burns. The NFPA 70E standard addresses electrical-safety work practices and procedures. The standard is applicable to employees working on or near exposed energized electrical conductors or circuit parts.

Although not formally adopted by OSHA, NFPA 70E is often the defacto standard referenced in its citations. It requires employees to wear flame resistant (FR) clothing that meets the performance requirements of ASTM F1506 when exposure to electric arc flash is possible.

Our flame resistant (FR) protective clothing meets or exceeds ASTM F1506 performance requirements. Always perform a careful hazard assessment. Determine the minimum PPE cal/cm2 rating based on the severity of the arc hazard. Refer to the table below as your guide.



The safest, most comfortable
Electrical Safety PPE Solution
in the business!



Rubber
Insulating
Glove Kits 21



8Cal Protection
Equipment Kits 22



12Cal Protection
Equipment Kits 23



25Cal Protection
Equipment Kits 24



40Cal Protection
Equipment Kits 25



55Cal Protection
Equipment Kits 26



ASTM
Switchboard
Rubber Mat 27



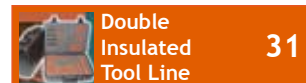
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ELECTRICAL SAFETY COMPLIANCE CHART FOR NFPA 70E 2012

TABLE 130.7(C)(9) HAZARD/RISK CATEGORY CLASSIFICATIONS AND USE OF RUBBER INSULATING GLOVES AND INSULATED AND INSULATING HAND TOOLS

Tasks Performed on Energized Equipment	Hazard/ Risk Category	Rubber Insulating Gloves	Insulated and Insulating Hand Tools
Panelboards or Other Equipment Rated 240 V and Below - Note 1			
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	0	N	N
Circuit breaker (CB) or fused switch operation with covers on	0	N	N
Circuit breaker (CB) or fused switch operation with covers off	0	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	1	Y	Y
Remove/ Install CBs of fused switches	1	Y	Y
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	0	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	0	N	N
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the panelboard	1	Y	Y
Panelboards or Switchboards Rated >240 V and up to 600 V (with molded case or insulated case circuit breakers) - NOTE 1			
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	1	N	N
Circuit breaker (CB) or fused switch operation with covers on	0	N	N
Circuit breaker (CB) or fused switch operation with covers off	1	Y	N
Work on energized electrical conductors and circuit parts, including voltage testing	2	Y	Y
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the panelboard	2	Y	Y
600 V Class Motor Control Center (MCCs) - Note 2 (except indicated)			
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	1	N	N
CB or fused switch or starter operation with enclosure doors closed	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB or fused switch or starter operation with enclosure doors open	1	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	2	Y	Y
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	0	Y	Y
Work on control circuits with energized electrical conductors and circuit parts >120 V or below, exposed	2	Y	Y
Insertion or removal of individual starter "buckets" from MCC--- Note 3	4	Y	N
Application of safety grounds, after voltage test	2	Y	N
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts) ---Note 3	4	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts) ---Note 3	1	N	N
Work on energized electrical conductors and circuit parts of utilization equipment fed directly by a branch circuit of the motor control center	2	Y	Y
600 V Class Switchgear (with power circuit breakers or fused switches) - Note 4			
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	2	N	N
CB or fused switch operation with enclosure doors closed	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB or fused switch operation with enclosure doors open	1	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	2	Y	Y
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	0	Y	Y
Work on control circuits with energized electrical conductors and circuit parts >120 V, exposed	2	Y	Y
Insertion or removal (racking) of CBs from cubicles, doors open or closed	4	Y	N
Application of safety grounds, after voltage test	2	Y	N
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	4	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	2	N	N
Other 600 V Class (277 V through 600, nominal) Equipment - Note 2 (except as indicated) Lighting or small power transformers (600 V, maximum)			
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	2	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	1	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	2	Y	Y
Application of safety grounds, after voltage test	2	Y	N
Revenue meters (kW-hour, at primary voltage and current) Insertion or removal	2	Y	N
Cable trough or tray cover removal or installation	1	N	N
Miscellaneous equipment cover removal or installation	1	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	2	Y	Y
Application of safety grounds, after voltage test	2	Y	N
Insertion or removal of plug-in devices into or from busways	2	Y	N
NEMA E2 (fused contactor) Motor Starters, 2.3 kV Through 7.2 kV			
Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	3	N	N
Contactor operation with enclosure	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
Contactor operation with enclosure doors open	2	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	4	Y	Y
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	0	Y	Y
Work on control circuits with energized electrical conductors and circuit parts >120 V, exposed	3	Y	Y
Insertion or removal (racking) of CBs from cubicles, doors open or closed	4	N	N
Application of safety grounds, after voltage test	3	Y	N
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	4	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	3	N	N
Insertion or removal (racking) of starters from cubicles of arc-resistant construction, tested in accordance with IEEE C37.20.7, doors closed only	0	N	N

Metal Clad Switchgear, 1 kV Through 38 kV

Perform infrared thermography and other non-contact inspections outside the restricted approach boundary	3	N	N
CB operation with enclosure doors closed	2	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB operation with enclosure doors open	4	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	4	Y	Y
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	2	Y	Y
Work on control circuits with energized electrical conductors and circuit parts >120 V, exposed	4	Y	Y
Insertion or removal (racking) of CBs from cubicles, doors open or closed	4	N	N
Application of safety grounds, after voltage test	4	Y	N
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	4	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	3	N	N
Opening voltage transformer or control power transformer compartments	4	N	N

Arc Resistant Switchgear Type 1 or 2 (for clearing times of <.05 with a perspective fault current not to exceed the arc resistant rating of the equipment)

CB operation with enclosure door closed	0	N	N
Insertion or removal (racking) of CBs from cubicles, doors closed	0	N	N
Insertion or removal of CBs from cubicles with door open	4	N	N
Work on control circuits with energized electrical conductors and circuit parts 120 V or below, exposed	2	Y	Y
Insertion or removal (racking) of ground and test device with door closed	0	N	N
Insertion or removal (racking) of voltage transformers on or off the bus door closed	0	N	N

Other Equipment 1 kV Through 38 kV Metal-enclosed interrupter switchgear, fused or unfused

Switch operation of arc-resistant-type construction, tested in accordance with IEEE C37.20.7, doors closed only	0	N	N
Switch operation, doors closed	2	N	N
Work on energized electrical conductors and circuit parts, including voltage testing	4	Y	Y
Removal of bolted covers (to expose bare, energized electrical conductors and circuit parts)	4	N	N
Opening hinged covers (to expose bare, energized electrical conductors and circuit parts)	3	N	N
Outdoor disconnect switch operation (hookstick operated)	3	Y	Y
Outdoor disconnect switch operation (gang-operated, from grade)	2	Y	N
Insulated cable examination, in manhole or other confined space	4	Y	N
Insulated cable examination, in open area	2	Y	N

General Notes (applicable to the entire table):

- (a) Rubber insulating gloves rated for the maximum line-to-line voltage upon which work will be done.
- (b) Insulated and insulating hand tools are tools rated and tested for the maximum line-to-line voltage upon which work will be done, and are manufactured and tested in accordance with ASTM z9 1505. *Standard Specification for Insulated Hand Tools.*
- (c) Y = yes (required), N = no (not required).
- (d) For systems rated less than 1000 volts , the fault currents and upstream protective device clearing times are based on an 18 in. working distance.
- (e) For systems rated 1 kV and greater, the Hazard/Risk Categories are based on a 36 in. working distance.
- (f) For equipment protected by upstream current limiting fuses with arcing fault current in their current limiting range (1/2 cycle fault clearing time or less), the hazard/risk category required may be reduced by one number.

Specific Notes (as referenced in the table):

- Maximum of 25 kA short circuit current available ; maximum of 0.03 sec (2 cycle) fault clearing time.
- Maximum of 65 kA short circuit current available ; maximum of 0.03 sec (2 cycle) fault clearing time.
- Maximum of 42 kA short circuit current available ; maximum of 0.33 sec (20 cycle) fault clearing time.
- Maximum of 35 kA short circuit current available ; maximum of up to 0.5 sec (30 cycle) fault clearing time.

The assumed short maximum short circuit current capacities and maximum fault clearing times for various tasks are listed in the notes to table (130.7(C)(9). For Tasks not listed, or For Power systems with greater than the assumed maximum short circuit current capacity or With longer than the assumed maximum fault clearing times -AN ARC FLASH ANALYSIS SHALL BE REQUIRED IN ACCORDANCE WITH 130.3.





WHAT IS INHERENT FABRIC AND HOW IS IT DIFFERENT FROM TREATED FABRIC?

The term “inherent,” as it relates to flame resistant fabric, means that the flame resistant properties were created at the moment the actual fiber was spun resulting in a flame-resistance that is an intrinsic part of the inherently flame resistant fabric. This process is permanent, and cannot be washed out or worn out of the fiber no matter how the garment is used or laundered.

Naturally flammable fabrics - such as cotton or cotton/nylon blends - that have a manufacturing step in their creation where a special mixture of chemicals is applied to make the final fabric flame-resistant (FR) are referred to as “treated” or “topically treated” fabrics. Unlike fabrics made with inherently FR fibers, chemically treated FR fabrics may lose some or all of their flame resistant properties over time through laundering and/or exposure to certain chemicals in the work environment.

WHY OEL FR SHIELD™ FABRICS?

All OEL FR Shield™ fabrics used in the manufacturing of our ARC Flash apparel meets and or exceeds NFPA 70E, HRC 2, NFPA 2112 and ASTM F1506 performance standards and feature the best of the best:

- DuPont™ - Protera®
- Tencate™ - Tecasafe®plus
- DuPont™ Nomex® IIIA
- Glenraven™ - Glenguard®
- Innovative Textiles™ - Reliant®
- ArcGuard® Revolite™

OEL Worldwide Industries is committed to remaining the vanguard of ARC Flash apparel and will use the most innovative and cutting edge Inherent fabrics available.

Our business is saving lives...





Look for this shield on all the upcoming pages, indicating OEL's **American Made** clothing using **American Made** Components (assembled IN the USA, and NOT Mexico, China or Pakistan).

OEL provides you the most comfortable, Safest,
Fire Retardent clothing found anywhere today! Our clothing provides:

- **Inherently flame resistant** - FR properties are built in, and won't wash or wear out. Exceeds NFPA 70E HRC 2 and NFPA 2112 performance standards.
- **Comfortable to wear** - Soft and breathable. Superior moisture management because of special cellulosic fiber content.
- **Exceptional durability** - Outstanding abrasion resistance and better strength retention after multiple commercial washes.
- **Outstanding laundered appearance** - Fabric retains its like- new look and maintains permanent pressed appearance better than other protective fabrics.
- **Excellent value** - Long life cycle and competitive price means lowest cost.



**Here's what workers are saying about
TenCate Tecasafe® Plus**

"Our employees prefer the softer feel of Tecasafe Plus over the treated cotton we were using. Tecasafe fabric provides more protection, and we don't see the shrinkage that we had with FR cotton."

Ken Reese, Chairman of the Empowered Safety Team, DCP Midstream

TENCATE Tecasafe® plus



Unbeatable Electric Arc Protection.

TenCate Tecasafe® Plus is a comfortable, light-weight fabric with inherent heat and flame resistant properties. NFPA 70E HRC 2 compliant, it provides durable and affordable electric arc protection to electricians, electrical contractors, and other professionals with potential exposure to electric arc flash. Below, you will see how this inherently flame-resistant fabric provides superior protection and outperforms the competition.

There's also Tecasafe Plus Hi-Vis yellow. No need to wear a separate Hi-Vis vest over your flame resistant shirt.

Unbeatable Flash Fire Protection.

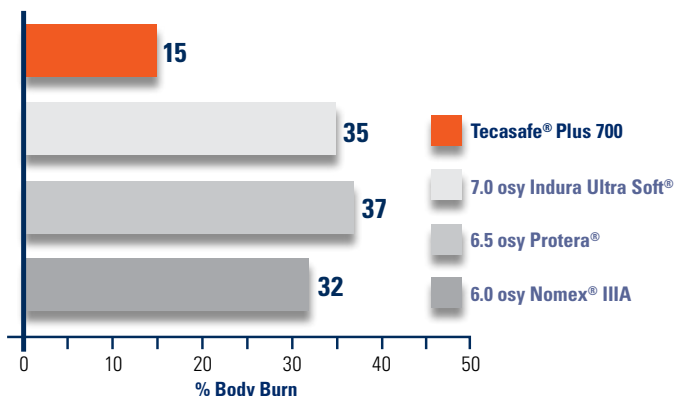
TenCate Tecasafe® Plus is a comfortable, light-weight fabric with inherent heat and flame resistant properties. NFPA 2112 certified, it provides durable and affordable flash fire protection for workers in the petroleum, petrochemical, fire service, and other professionals that may be exposed to flash fire. Below, you will see how this inherently flame-resistant fabric provides superior protection and outperforms other protective fabrics.

There's also Tecasafe Plus Hi-Vis yellow. No need to wear a separate Hi-Vis vest over your flame resistant shirt.



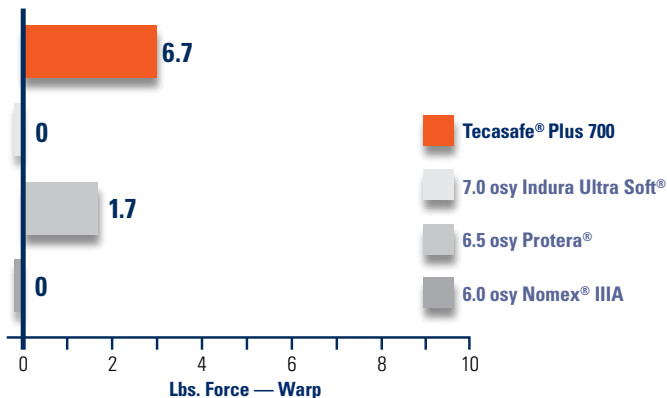
MANIKIN % BURN

ASTM F 1930 Manikin Test % Body Burn After 3 sec. Exposure



STRENGTH AFTER THERMAL EXPOSURE

ASTM D 5034 Tensile Strength Test After 10 sec. TPP Exposure



TABER ABRASION TEST RESULTS

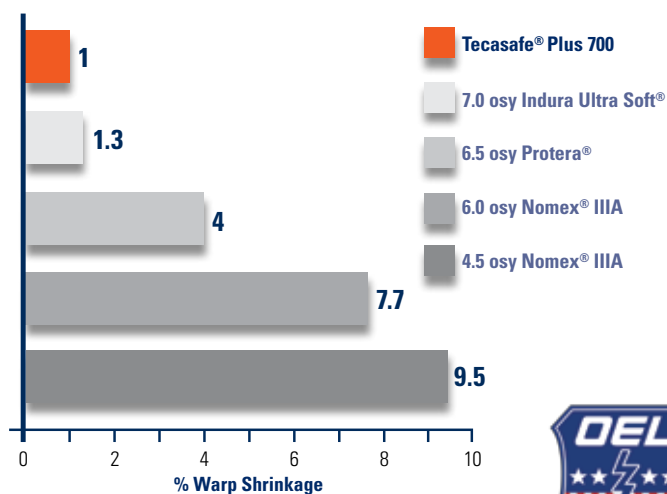
	TECASAFE® PLUS 700	INDURA® ULTRA SOFT®	PROTERA®	NOMEX® IIIA
150 CYCLES				
250 CYCLES				

- **Inherently flame resistant** – FR properties are built in, and won't wash or wear out. Exceeds NFPA 2112 and NFPA 70E HRC 2 performance standards.
- **Comfortable to wear** – Soft and breathable. Superior moisture management because of special cellulosic fiber content.
- **Exceptional durability** – Outstanding abrasion resistance and better strength retention after multiple commercial washes.
- **Outstanding laundered appearance** – Fabric retains its like-new look and maintains permanent pressed appearance better than other protective fabrics.
- **Excellent value** – Long life cycle and competitive price means lowest cost.



RESISTANCE TO THERMAL SHRINKAGE

NFPA 2112 TPP Thermal Shrinkage Test



OEL FR Shield, powered by TenCate Tecasafe® Plus



TENCATE Tecasafe® plus



● Khaki ● Light Blue ● Gray ● Royal Blue ● Red ● Yellow ● Orange¹ ● Hi-Vis Yellow² ● Navy

PHYSICAL PROPERTIES			Tecasafe® Plus 700	Tecasafe® Plus 700-A	NFPA 70E Requirement HRC 1	NFPA 70E Requirement HRC 2	NFPA 2112 Requirement
Weight (±5%)	oz (sq yd) grams (sq meter)	5.8 oz 197 g	7.0 oz 238 g	7.0 oz 238 g			
Fiber Blend		48% fr-modacrylic 37% lyocell 15% aramid	48% fr-modacrylic 37% lyocell 15% aramid	45% fr-modacrylic 35% lyocell 20% aramid			
Standard Colors (other colors available upon request)		● ● ● ●	● ● ● ● ● ● ● ●	●			
Arc Thermal Performance Value (ATPV) (cal/cm²)	ASTM F 1959	6.5	9.0	10.1	5.0 min	8.0 min	
Flame Resistance	ASTM D 6413 Char Length (inches [warp x fill]) After Flame (seconds [warp x fill])	<4.0 x <4.0 0.0 x 0.0	<4.0 x <4.0 0.0 x 0.0	<4.0 x <4.0 0.0 x 0.0	6.0 max	6.0 max	4.0 max 2.0 max
Thermal Protective Performance (cal/cm²)	with spacer without spacer	9.6 6.6	12.3 10.9	10.0 7.5			6.0 min 3.0 min
Flash Fire Exposure (Manikin Test) (% body burn [2 cal/cm²/sec] @ 3 sec)	ASTM F 1930	23%	15%	23.5%			50.0 max
Tensile Strength (lbs [warp x fill])	ASTM D 5034	114 x 85	135 x 85	135 x 85			
Elmendorf Tear Strength (lbs [warp x fill])	ASTM D 1424	11 x 10	8.0 x 7.0	8.0 x 7.0			
Dimensional Stability (% [5x] 120°F)	AATCC 135	<3.0	<3.0	<3.0			
Wicking 1" strip, tap water (seconds)	0.5 inches 1.0 inches 1.5 inches 2.0 inches	3.5 13.0 29.0 61.0	3.5 13.0 29.0 61.0	3.5 13.0 29.0 61.0			
Pilling Resistance 30-120 minutes	ASTM D 3512	*5	*5	*4-5			
Thermal Shrinkage Resistance (% [500°F, 5 minutes])		<5.0	<1.0	<4.0			10.0 max



Ratings: *5—Best, *3—Acceptable, *1—Poor

1. Tecasafe plus Orange meets Canadian high-visibility safety standard CSA Z96-2009.
2. Tecasafe plus Hi-Vis Yellow meets high-visibility safety standards ANSI 107 and CSA Z96-2009.

TENCATE
materials that make a difference

6501 Mall Blvd. • P.O. Box 289
Union City, GA 30291
Phone: 770.969.1000
Fax: 770.969.6846
Toll Free: 800.241.8630
www.TenCateProtectiveFabrics.com

Laundry: Garments made with Tecasafe® Plus fabrics are easily maintained by home or industrial laundering. For detailed laundering specifications, please contact TenCate at (800) 241-8630.

Sunlight/UV Exposure Advisory: Like other natural and synthetic textile materials, Tecasafe Plus may be impacted by prolonged exposure to ultra violet radiation (UV) from both sunlight and artificial light sources. Dyed fabrics may change color or fade after prolonged exposures, but UV exposure does not impact flame resistant properties. Similar to other natural and synthetic textile materials, color change or fading is not necessarily indicative of fiber degradation. Extended exposure to UV radiation can also cause loss of mechanical properties depending on wave length, exposure time and radiation intensity. Our tests indicate that Tecasafe Plus maintains higher tensile strength after extended UV exposure than equivalent weights of 100% aramid and 88/12 FR cotton/ nylon blend fabrics. TenCate Protective Fabrics offers no warranties, implied or otherwise, for color change or fabric damage due to UV exposure.

All listed test data and ranges represent typical values. All test data and ranges are the result of multiple tests unless otherwise stated. To the best of our knowledge, the information contained herein is accurate. However, TenCate Protective Fabrics assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

©2010 TenCate Protective Fabrics. TenCate is a trademark of Royal Ten Cate. Tecasafe is a trademark of TenCate Protective Fabrics.



**OEL FR Shield, powered by
TenCate Tecasafe® Plus**

OEL's ARC Flash Wear High Performance Shield

10 cal/cm²

Meets NFPA 70E - 2012, ANSI Z87.1 - Special Application
7.5" x 20" viewing area

Resistant to fogging

Light enhancing green lens with 70% light transmission

Product weight at 12.5 oz

Made from proprietary plastic/chemical alloy

Cat. No.	Description
AFW 032	10 cal/cm ² High Performance Shield Includes Banding Head Gear, Hard Hat, Chin Guard, Shield and Hardware
AFW 032CLIP	10 cal/cm ² High Performance Shield Includes Clip Head Gear, Hard Hat, Chin Guard, Shield and Hardware
AFW 033	10 cal/cm ² High Performance Shield Includes Banding Head Gear, Chin Guard, Shield and Hardware (Hard hat NOT included)
AFW 033CLIP	10 cal/cm ² High Performance Shield Includes Clip Head Gear, Chin Guard, Shield and Hardware (Hard hat NOT included)
AFW 033FB	10 cal/cm ² High Performance Shield Includes Banding Head Gear for full brim Hard Hat, Chin Guard, Shield and Hardware (Hard hat NOT included)
AFW 034	10 cal/cm ² White Hard Hat (other colors also available)
AFW 029	Shield Bag - Cotton flannel with drawstring
AFW 033R	Replacement Lens



OEL's ARC Flash Wear Hoods (Balaclava)

Offers 360 degree head and neck protection from arc flash dangers, when used with a High Performance Shield.

Each ARC Flash Hood is made from two layers of rib knit material and has an elastic face opening that maintains its shape and size.

Cat. No.	Description
AFW 021	11 cal/cm ² , 100% Nomex®, White
AFW 023	20 cal/cm ² , 45% P84®, 55% Lenzing FR, Yellow



OEL's ARC Flash High Performance Shield and Hood Kit

10 cal/cm2

The AFW 040 - Hat and Hood Kit make your Personal Protective Equipment purchasing even easier. This convenient kit contains an AFW 032 High Performance Shield Kit, a 11 cal/cm2 ATPV rated AFW 021 Hood, safety glasses and an AFW 029 Bag.

The AFW 032 High Performance Shield Kit has an ATPV rating of 10 cal/cm2. The lens provides a 7.5" x 20" viewing area with an extra light tint.

The AFW 040 is an ideal kit to use with a HRC 2 uniform program or with 8 cal/cm2 to 12 cal/cm2 ATPV rated Coveralls, Jacket & Bibs, Daywear or 50" Coats.

Cat. No.	Description
AFW 040	10 cal/cm2 Kits include High Performance Shield Kit (Head Gear, Hard Hat, Chin Guard, Shield and Hardware) as well as the AFW 021 11cal/cm2 Hood, Safety Glasses and Shield bag (Higher rating hoods can be substituted)



**All ARC Flash High Performance Shields
are resistant to fogging**

*ARC Rated earplugs can be added to all shield kits



OEL's ARC FRESH HOOD

NEW LIGHTWEIGHT DUAL FAN SYSTEM CREATES GREATER AIR MOVEMENT WITH LESS NECK FATIGUE!

OEL's ARC Fresh Hood offered by OEL uses two 9-volt batteries and the fans are attached with FR hook and loop for ease of removal.

This innovative Hood provides a gentle and quiet breeze that keeps the worker cool and decreases hazardous effects of lens fogging. The hood is engineered to prevent neck fatigue with its lightweight dual fan system design.

Note: ARC Fresh Hoods with internal fans are not NOISH approved and are not intended to be used as a respirator. The fan is intended to provide additional comfort for the user.

To order, see page 12 for part numbers



ARC FRESH HOOD FEATURES:



Overview

The Hood is designed with removable internal fans to keep you cool and to decrease lens fogging.

Benefit

Reduces heat stress by allowing air to circulate for a cooler, more comfortable work atmosphere.

Protection

Level 2 - Level 4



OEL's ARC Flash Protection Hoods

12 - 55 cal/cm²

All OEL's hoods are made from ARC Flash resistant FR Shield, sewn with Nomex® thread.
All lenses are replaceable and made from ARC rated 10" x 20" material with **anti-fogging coatings**.

One size fits all.
Hard hat is included.

FR Shield

Cat. No.	Description
AFW080PRO	8 cal/cm ² , orange hood
AFW017PRO	12 cal/cm ² , navy hood
AFW017PROFAN	12 cal/cm ² , navy hood with ARC Fresh Fan unit
AFW085PRO	25 cal/cm ² , navy hood
AFW085PROFAN	25 cal/cm ² , navy hood with ARC Fresh Fan unit
AFW019PRO	40 cal/cm ² , khaki hood
AFW019PROFAN	40 cal/cm ² , khaki hood with ARC Fresh Fan unit
AFW016	55 cal/cm ² , navy hood
AFW016FAN	55 cal/cm ² , navy hood with ARC Fresh Fan unit

* Replacement Lens available for each Hood



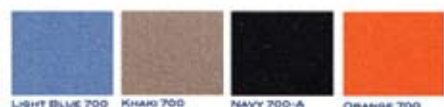
All ARC Flash Wear hoods
are resistant to fogging.

OEL's ARC Flash Protection Coveralls

8 - 40 cal/cm2

8 cal/cm2 to 40 cal/cm2 ATPV ratings
 Made from ARC flash resistant FR Shield
 Sewn with Nomex® thread
 Full cut with set in sleeves
 FR hook and pile front closure
 30" inseam, Expansion back
 Hook and pile cuff opening
 Meet current ASTM F1506 and NFPA 70E standards.

Sizes M, L, XL, 2XL, and 3XL available from stock
 Other sizes available by special order



FR Shield

Cat. No. Description

AFW80-PFC-(size) 8 cal/cm2 Coverall

AFW017-PFC-(size) 12 cal/cm2 Coverall

AFW085-PFC-(size) 25 cal/cm2 Coverall

AFW019-PFC-(size) 40 cal/cm2 Coverall



Here's what workers are saying
 about TenCate Tecasafe® Plus

*"With every wash, the fabric gets
 softer and even more comfortable
 while still meeting the standards
 requirement."*

Steven D. Bryant, Safety Supervisor,
 Pike Electric, Inc.



12 inch Leg
 Opening
 for easy on
 and off



OEL's ARC Flash Protection Jackets

8 cal/cm2 to 55 cal/cm2 ATPV ratings
Made from ARC flash resistant FR Shield material,
sewn with Nomex® thread.
Jackets meet current ASTM F1506 and
NFPA 70E standards.
Sizes M, L, XL, 2XL, and 3XL available from stock
Other sizes available by special order

Jackets have hook & pile front closure

Jacket

Cat. No.	Description
AFW080-PJ-(size)	8 cal/cm2, jacket, orange,
AFW017-PJ-(size)	12 cal/cm2, jacket, navy
AFW085-PJ-(size)	25 cal/cm2, jacket, navy
AFW019-PJ-(size)	40 cal/cm2, jacket, khaki
AFW016-J-(size)	55 cal/cm2, jacket, navy

* Other colors available upon request

8 - 55 cal/cm2



Dual Stage Front
Closure with high
temp plastic zipper
and
FR hook & pile storm
flap on
40 and 55 cal/ cm2
coat designs



OEL's ARC Flash Protection Bib Overalls

8 - 55 cal/cm²

8 cal/cm² to 55 cal/cm²* ATPV ratings
8 cal/cm² to 55 cal/cm²* bib overalls are made from ARC flash resistant FR Shield, sewn with Nomex® thread.
Integrated heavy duty suspenders
Relaxed cut for greater mobility
30" inseam
Adjustable hook and pile waist straps
Bib front for added protection
Adjustable gussets on pant cuffs.
Meets current ASTM F1506 and NFPA 70E standards.

Sizes M, L, XL, 2XL, and 3XL available from stock
Other sizes available by special order



Cat. No.	Description
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AFW 080-PBO-(size)	8 cal/cm ² , orange
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AFW 017-PBO-(size)	12 cal/cm ² , navy
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AFW 085-PBO-(size)	25 cal/cm ² , navy
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AFW 019-PBO-(size)	40 cal/cm ² , khaki
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AFW 016-BO-(size)	55 cal/cm ² , navy
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* Other colors available upon request

12 inch Leg Opening
for easy on and off



OEL's ARC Flash Protection Coats

8 cal/cm² to 40 cal/cm²* ATPV ratings
8 cal/cm² to 40 cal/cm²* coats are made from ARC flash resistant FR Shield material, sewn with Nomex® thread.
50" long
Expansion back for added comfort
Dual stage front closure with high temperature plastic zipper on the 40 cal/cm²* coats
FR hook & pile storm flap
Coats are intended to be used with ARC Flash Wear Hoods
Meets current AFWSTM F1506 and NFPA 70E standards.
Sizes M, L, XL, 2XL, and 3XL available from stock.
Other sizes available by special order

Cat. No.	Description
AFW080-PC-(size)	8 cal/cm ² , orange
AFW017-PC-(size)	12 cal/cm ² , navy
AFW085-PC-(size)	25 cal/cm ² , navy
AFW019-PC-(size)	40 cal/cm ² , khaki



8 - 40 cal/cm²



8 - 40 cal/cm²



OEL's ARC Flash Protection Leggings

Cat. No.	Description
AFW080-PL-(size)	8 cal/cm ² , orange
AFW017-PL-(size)	12 cal/cm ² , navy
AFW085-PL-(size)	25 cal/cm ² , navy
AFW019-PL-(size)	40 cal/cm ² , khaki



OEL's ARC Flash Protection Jackets with Hood and Overpants

8 - 40 cal/cm²

8 cal/cm² to 40 cal/cm² ATPV ratings
Made from ARC flash resistant FR Shield,
sewn with Nomex® thread.
Jackets meet current ASTM F1506 and
NFPA 70E standards.
Sizes M, L, XL, 2XL, and 3XL available from stock
Other sizes available by special order

Jackets are 32" long and have Nomex® wristlets.
Jackets have hook & pile front closure



Jacket With Hood

Cat. No.	Description
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AFW080-PJH-(size)	8 cal/cm ² , jacket, orange
AFW085-PJH-(size)	25 cal/cm ² , jacket, navy
AFW019-PJH-(size)	40 cal/cm ² , jacket, khaki

Overpants



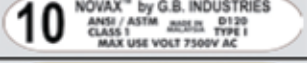
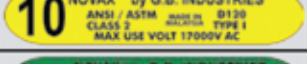


Overpants have full elastic waistband with FR hook & pile closure, with 30" inseam. Loose design and flared legs, making it easy to take off and put on over existing work clothes

Cat. No.	Description
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AFW080-POP-(size)	8 cal/cm ² , overpants, orange
AFW085-POP-(size)	25 cal/cm ² , overpants, navy
AFW019-POP-(size)	40 cal/cm ² , overpants, khaki



ASTM LABELING CHART

CLASS COLOR	NOVAX™ GLOVE LABEL	TEST AC VOLTS	USE AC VOLTS	USE DC VOLTS
00 Beige	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 00 D120 TYPE I MAX USE VOLT 500V AC	2,500	500	750
0 Red	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 0 D120 TYPE I MAX USE VOLT 1,000V AC	5,000	1,000	1,500
1 White	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 1 D120 TYPE I MAX USE VOLT 7500V AC	10,000	7,500	11,250
2 Yellow	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 2 D120 TYPE I MAX USE VOLT 17000V AC	20,000	17,000	25,500
3 Green	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 3 D120 TYPE I MAX USE VOLT 26500V AC	30,000	26,500	39,750
4 Orange	 10 NOVAX™ by G.B. INDUSTRIES ANSI / ASTM CLASS 4 D120 TYPE I MAX USE VOLT 36000V AC	40,000	36,000	54,000

TYPICAL APPLICATIONS

- Maintenance technicians working in amusement parks, hospitals, water plants, manufacturing plants, office buildings, and schools
- Power and communication utilities
- Electrical contracting and power generation
- Electrical supervisors
- Transportation - primarily rail
- Plant and facility maintenance
- Hybrid auto manufacturing/repair/service
- Machine operators, maintenance millwrights, and mechanics
- HVAC technicians
- Elevator installers and technicians
- Field service technicians

STANDARDS SPECIFICATION REFERENCE

OSHA Regulations	29CFR part 1910 - Occupational Safety and Health Standards
ASTM Standards	ASTM D 120-08 - Rubber Insulating Gloves
	ASTM- F496-08 - In-Services Care of Insulating Gloves and Sleeves
	ASTM F696-06 - Leather Protectors for Rubber Insulating Gloves and Mittens
	ASTM F1236-96 - Visual Inspection of Electrical Protective Rubber Products
NFPA Standards	National Electric Safety Code - Utilities
	NFPA 70E - Electrical Safety in the Workplace - General Workplaces

Maximum use DC Voltage is not included in ASTM Specification. Maximum use DC voltages are valid in references to IEC 903 only

Rubber Gloves are required to be tested and/or replaced 6 months from being placed in service

Rubber insulating gloves have always been one of the most important components of PPE for electrical and industrial workers. The recent updates and changes in ASTM D120 and NFPA 70E have brought this product segment into the spotlight.

Novax™ Products Exceed all requirements of ASTM D120, insuring compliance with OSHA regulations and satisfying NFPA 70E requirements for protection against electrical shock hazards.

The Natural Rubber construction offers excellent dielectric properties combined with flexibility, strength, and durability. Other features include a contoured shape which reduces hand fatigue and a rolled cuff for increased durability during donning and doffing.

Rubber Insulating Gloves / Leather Protectors

RUBBER INSULATING GLOVES

Class	Length	Color	Style #
00	11"	Black	IRG0011BSZ
00	11"	Orange	IRG0011OSZ
00	14"	Black	IRG0014BSZ
0	11"	Black	IRG011BSZ
0	11"	Orange	IRG011OSZ
0	11"	Black/Orange	IRG011BOSZ
0	14"	Black	IRG014BSZ
1	14"	Black	IRG114BSZ
1	14"	Orange	IRG114OSZ
1	14"	Black/Orange	IRG114BOSZ
1	16"	Black/Orange	IRG116BOSZ
2	14"	Black	IRG214BSZ
2	14"	Orange	IRG214OSZ
2	14"	Black/Orange	IRG214BOSZ
2	16"	Black/Orange	IRG216BOSZ
3	16"	Black	IRG316BSZ
3	16"	Black/Orange	IRG316BOSZ
3	18"	Black	IRG318BSZ
3	18"	Black/Orange	IRG318BOSZ
4	16"	Black	IRG416BSZ
4	16"	Black/Orange	IRG416BOSZ
4	18"	Black	IRG418BSZ
4	18"	Black/Orange	IRG418BOSZ

*Black class 3 and 4 gloves are special order items.
Class 3-4 sizes available 9-12, class 00-2 sizes available 8-12.



LEATHER PROTECTORS (Cover Glove)

Description	Class	Sizes	Style #
10" Goatskin Driver Cuff	Class 00 - 0	8-12	AFW-PG-10-(size)
13" Goatskin Gauntlet Cuff	Class 00 - 0	8-12	AFW-PG-13-(size)
12" Goatskin Gauntlet Cuff	Class 1 - 2	8-12	AFW-PG-12-(size)
14" Goatskin Gauntlet Cuff	Class 1 - 4	8-12	AFW-PG-14-(size)

Leather Protectors are to be used only for mechanical protection for rubber gloves and mittens and shall not be used for electrical protection per ASTM F696-02. The correct length of leather protectors is found in ASTM F496-06.

GLOVE BAGS

Category	Sizes
AFW GLB11	Glove Bags For 11 inch gloves
AFW GLB14	Glove Bags For 14 inch gloves
AFW GLB16	Glove Bags For 16 inch gloves

Rubber Gloves are required to be tested and/or replaced 6 months from being placed in service



OEL's Rubber Insulating Glove Kits

Class 00 - 2

Class 00 (500 Volts) 11" Length Black Rubber Glove Kits:

IRG0011B8K	11" Length, 500 Max Use Voltage Size 8 Black; 10" Length, Goatskin Size 8; Glove Bags For 11 inch gloves
IRG0011B9K	11" Length, 500 Max Use Voltage Size 9 Black; 10" Length, Goatskin Size 9; Glove Bags For 11 inch gloves
IRG0011B10K	11" Length, 500 Max Use Voltage Size 10 Black; 10" Length, Goatskin Size 10; Glove Bags For 11 inch gloves
IRG0011B11K	11" Length, 500 Max Use Voltage Size 11 Black; 10" Length, Goatskin Size 11; Glove Bags For 11 inch gloves
IRG0011B12K	11" Length, 500 Max Use Voltage Size 12 Black; 10" Length, Goatskin Size 12; Glove Bags For 11 inch gloves

Class 00 (500 Volts) 11" Length Orange Rubber Glove Kits:

IRG0011O8K	11" Length, 500 Max Use Voltage Size 8 Orange; 10" Length, Goatskin Size 8; Glove Bags For 11 inch gloves
IRG0011O9K	11" Length, 500 Max Use Voltage Size 9 Orange; 10" Length, Goatskin Size 9; Glove Bags For 11 inch gloves
IRG0011O10K	11" Length, 500 Max Use Voltage Size 10 Orange; 10" Length, Goatskin Size 10; Glove Bags For 11 inch gloves
IRG0011O11K	11" Length, 500 Max Use Voltage Size 11 Orange; 10" Length, Goatskin Size 11; Glove Bags For 11 inch gloves
IRG0011O12K	11" Length, 500 Max Use Voltage Size 12 Orange; 10" Length, Goatskin Size 12; Glove Bags For 11 inch gloves

Class 0 (1000 Volts) 11" Length Black Rubber Glove Kits:

IRG011B8K	11" Length, 1000 Max Use Voltage Size 8 Black; 10" Length, Goatskin Size 8; Glove Bags For 11 inch gloves
IRG011B9K	11" Length, 1000 Max Use Voltage Size 9 Black; 10" Length, Goatskin Size 9; Glove Bags For 11 inch gloves
IRG011B10K	11" Length, 1000 Max Use Voltage Size 10 Black; 10" Length, Goatskin Size 10; Glove Bags For 11 inch gloves
IRG011B11K	11" Length, 1000 Max Use Voltage Size 11 Black; 10" Length, Goatskin Size 11; Glove Bags For 11 inch gloves
IRG011B12K	11" Length, 1000 Max Use Voltage Size 12 Black; 10" Length, Goatskin Size 12; Glove Bags For 11 inch gloves

Class 0 (1000 Volts) 11" Length Orange Rubber Glove Kits:

IRG011O8K	11" Length, 1000 Max Use Voltage Size 8 Orange; 10" Length, Goatskin Size 8; Glove Bags For 11 inch gloves
IRG011O9K	11" Length, 1000 Max Use Voltage Size 9 Orange; 10" Length, Goatskin Size 9; Glove Bags For 11 inch gloves
IRG011O10K	11" Length, 1000 Max Use Voltage Size 10 Orange; 10" Length, Goatskin Size 10; Glove Bags For 11 inch gloves
IRG011O11K	11" Length, 1000 Max Use Voltage Size 11 Orange; 10" Length, Goatskin Size 11; Glove Bags For 11 inch gloves
IRG011O12K	11" Length, 1000 Max Use Voltage Size 12 Orange; 10" Length, Goatskin Size 12; Glove Bags For 11 inch gloves

Class 2 (17,000 Volts) 14" Length Black Rubber Glove Kits:

IRG214B8K	14" Length, 17000 Max Use Voltage Size 8 Black; 12" Length, Goatskin Size 8; Glove Bags For 14 inch gloves
IRG214B9K	14" Length, 17000 Max Use Voltage Size 9 Black; 12" Length, Goatskin Size 9; Glove Bags For 14 inch gloves
IRG214B10K	14" Length, 17000 Max Use Voltage Size 10 Black; 12" Length, Goatskin Size 10; Glove Bags For 14 inch gloves
IRG214B11K	14" Length, 17000 Max Use Voltage Size 11 Black; 12" Length, Goatskin Size 11; Glove Bags For 14 inch gloves
IRG214B12K	14" Length, 17000 Max Use Voltage Size 12 Black; 12" Length, Goatskin Size 12; Glove Bags For 14 inch gloves

Class 2 (17,000 Volts) 14" Length Orange Rubber Glove Kits:

IRG214O8K	14" Length, 17000 Max Use Voltage Size 8 Orange; 12" Length, Goatskin Size 8; Glove Bags For 14 inch gloves
IRG214O9K	14" Length, 17000 Max Use Voltage Size 9 Orange; 12" Length, Goatskin Size 9; Glove Bags For 14 inch gloves
IRG214O10K	14" Length, 17000 Max Use Voltage Size 10 Orange; 12" Length, Goatskin Size 10; Glove Bags For 14 inch gloves
IRG214O11K	14" Length, 17000 Max Use Voltage Size 11 Orange; 12" Length, Goatskin Size 11; Glove Bags For 14 inch gloves
IRG214O12K	14" Length, 17000 Max Use Voltage Size 12 Orange; 12" Length, Goatskin Size 12; Glove Bags For 14 inch gloves



**Glove Kits
to be ordered
separately from
clothing kits**

**Rubber Gloves
are required to
be tested and/
or replaced 6
months from
being placed in
service**



THESE PERSONAL PROTECTION EQUIPMENT KITS
ARE AVAILABLE IN ATPV RATING OF 8 CAL/CM2

8 cal/cm2 hrc 2



8 cal Coverall Kits

This kit contains a FR Shield ARC flash coverall, ARC Flash High Performance Shield & Hood Kit and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
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AFW8-PFC-(size)	8 cal/cm2, coverall kit
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8 cal 50" Coat Kits

This kit contains a FR Shield ARC flash 50" coat, ARC Flash High Performance Shield & Hood Kit and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
----------	-------------

AFW8-PC-(size)	8 cal/cm2, 50" coat kit
----------------	-------------------------

8 cal Jacket & Bib Kits

This kit contains a FR Shield ARC flash Jacket & Bib, ARC Flash High Performance Shield & Hood Kit and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
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AFW8-PJB-(size)	8 cal/cm2, Jacket & Bib kit
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* Glove kits sold separately (see pg 21)



*FR Earplugs
also available
for each kit



THESE PERSONAL PROTECTION EQUIPMENT KITS
ARE AVAILABLE IN ATPV RATING OF 12 CAL/CM2

12 cal/cm2 hrc 2

12 cal Coverall Kits

This kit contains a FR Shield ARC Flash coverall,
ARC Flash High Performance Shield & Hood Kit
and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes
available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
AFW12-PFC-(size)	12 cal/cm2, coverall kit

12 cal 50" Coat Kits

This kit contains a FR Shield ARC Flash 50" coat,
ARC Flash High Performance Shield & Hood Kit
and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes
available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
AFW12-PC-(size)	12 cal/cm2, 50" coat kit

12 cal Jacket & Bib Kits

This kit contains a FR Shield ARC flash Jacket & Bib,
ARC Flash High Performance Shield & Hood Kit
and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other
sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 2.

Cat. No.	Description
AFW12-PJB-(size)	12 cal/cm2, Jacket & Bib kit

* Glove kits sold separately (see pg 21)

**12 Cal Switch Gear Hood available upon request



*FR Earplugs
also available
for each kit



**THESE PERSONAL PROTECTION EQUIPMENT KITS
ARE AVAILABLE IN ATPV RATING OF 25 CAL/CM2**

25 cal Coverall Kits

This kit contains a FR Shield ARC flash coverall, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 3.

Cat. No.	Description
AFW25-PFC-(size)	25 cal/cm2, coverall kit

25 cal 50" Coat Kits

This kit contains a FR Shield ARC flash 50" coat, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 3.

Cat. No.	Description
AFW25-PC-(size)	25 cal/cm2, 50" coat kit

25 cal Jacket & Bib Kits

This kit contains a FR Shield ARC flash Jacket & Bib, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 3.

Cat. No.	Description
AFW25-PJB-(size)	25 cal/cm2, Jacket & Bib kit

* Glove kits sold seperately (see pg 21)



***FR Earplugs
also available
for each kit**



THESE PERSONAL PROTECTION EQUIPMENT KITS
ARE AVAILABLE IN ATPV RATING OF 40 CAL/CM2

40 cal/cm2 hrc 4



40 cal Coverall Kits

This kit contains a FR Shield ARC flash coverall, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 4.

Cat. No.	Description
AFW40-PFC-(size)	40 cal/cm2, coverall kit

40 cal 50" Coat Kits

This kit contains a FR Shield ARC flash 50" coat, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 4.

Cat. No.	Description
AFW40-PC-(size)	40 cal/cm2, 50" coat kit

40 cal Jacket & Bib Kits

This kit contains a FR Shield ARC flash Jacket & Bib, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E Hazard Risk Category 4.

Cat. No.	Description
AFW40-PJB-(size)	40 cal/cm2, Jacket & Bib kit

* Glove kits sold separately (see pg 21)



***FR Earplugs
also available
for each kit**



THIS PERSONAL PROTECTION EQUIPMENT KIT IS AVAILABLE IN ATPV RATING OF 55 CAL/CM2

55 cal/cm2 hrc 4

55 cal Coverall Kits

This kit contains an FR Shield Ultra Soft ARC flash Jacket & Bib, FR Shield Switch Gear Hood, hard hat, safety glasses and ARC Flash Storage bag.

Sizes M, L, XL, 2XL, and 3XL available from stock. Other sizes available by special order.

This kit meets NFPA 70E-2004 Hazard Risk Category 4.

Cat. No.	Description
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AFW55-JB-(size)	55 cal/cm2, Jacket & Bib kit
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Two Piece Rainsuit Measurements

Jacket - Measurements in Inches (Centimetres)

Size	Chest Girth (C)	Sleeve Length (A)	Sleeve at Elbow Girth (E)
Small	45 (114)	32 (81)	19 (48)
Medium	49 (124)	33 (84)	19 (48)
Large	53 (135)	34 (86)	19 (48)
X-Large	57 (145)	35 (89)	20 (51)
XX-Large	60 (152)	36 (91)	20 (51)
XXX-Large	64 (163)	36 (91)	20 (51)

Trousers - Measurements in Inches (Centimetres)

Size	Waist Girth (W)	Leg Inseam Length (I)	Knee Girth (K)
Small	42 (107)	29 (74)	21 (53)
Medium	45 (114)	30 (76)	22 (56)
Large	48 (122)	31 (78)	23 (58)
X-Large	51 (130)	31 (78)	24 (61)
XX-Large	54 (137)	32 (81)	25 (64)
XXX-Large	57 (145)	32 (81)	26 (66)

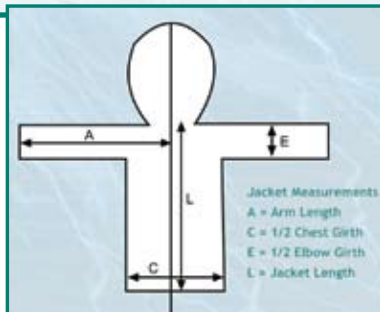
Sizing is per ASTM F1891 - 06 Standard

* The measurements are based on the actual size of the garment and NOT the actual body measurement.



***FR Earplugs also available for each kit**

* Glove kits sold separately (see pg 21)



In all kits, the Storage Bag can be replaced by our new Backpack



ASTM Switchboard Rubber Insulating Mats



ASTM Switchboard
Rubber Insulating Mats

CORRUGATED SWITCHBOARD MATTING

- A specially compounded non-conductive corrugated matting designed to help prevent electric shock around high voltage electrical equipment, such as fuse boxes, and control panels.
- Now meets all optional requirements for Ozone Resistance, Flame Resistance, and Oil Resistance.
- Tested to ASTM D178/ANSI J6.7. Certification engraved on back.

CLASS 1 - 3/16" Thick Switchboard - Corrugated

- DIELECTRIC TEST VOLTAGE 20,000 VAC
- PROOF TESTED OVER ENTIRE SURFACE AT 10,000 VAC
- RECOMMENDED MAXIMUM USE VOLTAGE 7,500 VAC

Stock #	Size	Weight/Ln.Ft.
SB336	3' x 75'	3.9 lbs.

Color: Black. Sold in full rolls only.

CLASS 2 - 1/4" Thick Switchboard - Corrugated & Diamond Pattern

- DIELECTRIC TEST VOLTAGE 30,000 VAC
- PROOF TESTED OVER ENTIRE SURFACE AT 20,000 VAC
- RECOMMENDED MAXIMUM USE VOLTAGE 17,000 VAC

Stock #	Size	Weight/Ln.Ft.
SB424	2' x 75'	3.5 lbs.
SB436	3' x 75'	5.2 lbs.
SB448	4' x 75'	6.8 lbs.

Color: Black.

CLASS 3 - 3/8" Thick Switchboard - Corrugated

- DIELECTRIC TEST VOLTAGE 40,000 VAC
- PROOF TESTED OVER ENTIRE SURFACE AT 30,000 VAC
- RECOMMENDED MAXIMUM USE VOLTAGE 26,500 VAC

Stock #	Size	Weight/Ln.Ft.
SB536	3' x 45'	7.7 lbs.

Color: Black. Sold in full rolls only.

CLASS 4 - 1/2" Thick Switchboard - Corrugated

- DIELECTRIC TEST VOLTAGE 50,000 VAC
- PROOF TESTED OVER ENTIRE SURFACE AT 40,000 VAC
- RECOMMENDED MAXIMUM USE VOLTAGE 36,000 VAC

Stock #	Size	Weight/Ln.Ft.
SB636	3' x 30'	10.7 lbs.

Color: Black. Sold in full rolls only.

High Quality, High Performance, High Durability

OEL'S ARC SUPPRESSION BLANKETS

OEL's Arc Suppression Blankets are used as a barrier for protection from the explosive and incendiary effects of electrical arcs and flashes. They can be used for worker protection in underground vaults, switchyards and other locations where there is a potential of exposure to explosive electrical discharges

CAUTION: Because of the unpredictability of electrical discharges, the Arc Suppression Blanket may not totally contain arcs and flashes, but only reduce or limit exposure and incendiary effects. In such cases, injuries may still occur, even when the blanket is properly used.

Cat. No.	Description
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AFW 025	48" x 60" Blanket
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AFW 028	48" x 96" Blanket
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NOTE: Not an insulating blanket



OEL ARC Flash Storage Bag

Large storage bag for storing OEL's Arc Flash Wear Clothing, gloves and other accessories. Comes standard in most OEL kits. Bag is 24" long x 15" high x 12" deep.

Cat. No.	Description
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AFW 030	24" x 15" x 12" Bag
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* Available in orange or green

* Personal name embroidery available





OEL BACKPACK



This backpack is great for carrying around all of your arc-flash gear. Built with special pockets to hold your helmet, face shield, safety clothing and insulated tools.

- Storage Bag
- Garment Style Backpack
- Universal
- Color Orange
- Material Water Resistant Reinforced Fabric
- Rugged Design
- Cushioned Straps
- Multiple Pockets
- High Vis Safety Orange
- Hanging hook to keep off floor



In all kits, the Storage Bag can be replaced by our new Backpack

Cat. No.	Description
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AFW-BP	OEL Back Pack
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High Quality, High Performance, High Durability

Arc Flash: An arcing fault is the flow of current through the air between phase conductors or phase conductors and neutral or ground. An arcing fault can release tremendous amounts of concentrated radiant energy at the point of the arcing in a small fraction of a second resulting in extremely high temperatures, a tremendous pressure blast, and shrapnel hurling at high velocity.

ASTM: American Society for Testing and Materials

Arc Thermal Performance Value (ATP V): This value is presented in calories per square centimeter and represents the maximum capability for arc flash protection of a particular garment. This rating also applies to fabrics, however, a garment made from more than one layer of arc flash rated fabric will have a calorie per square centimeter rating greater than the sum of the ATPV ratings of the original fabrics.

The calories per square centimeter rating of most arc flash protection suits, coveralls, and coats is commonly sewn into the fabric in large letters on the outside of the garment.

Calories per Centimeter Squared (cal/cm²): This is a number identifying the amount of energy that can be delivered to a point at a particular distance from an arc flash. Once this value is known, the ATPV rating of the flash clothing required for work at that distance from the potential flash hazard is also known. See ATPV.

Calorie: A calorie is the energy required to raise one gram of water one degree Celsius at one atmosphere. The onset of second-degree burns may occur at 1.2 calories per centimeter squared per second. One calorie per centimeter squared per second can be equal to holding your finger over the tip of the flame of a cigarette lighter for one second.

De-energized: Free from any electrical connection to a source of potential difference and from electrical charge; not having a potential different from that of the earth.

Electrical Hazard: A dangerous condition such that contact or equipment failure can result in electric shock, arc flash burn, thermal burn, or blast.

Electrical Safety: Recognizing hazards associated with the use of electrical energy and taking precautions so that hazards do not cause injury or death.

Electrically Safe Work Condition: A state in which the conductor or circuit part to be worked on or near has been disconnected from energized parts, locked/tagged in accordance with established standards, tested to ensure the absence of voltage, and grounded if determined necessary.

Flame-Resistant (FR): The property of a material whereby combustion is prevented, terminated, or inhibited following the application of a flaming or non-flaming source of ignition, with or without subsequent removal of the ignition source.

Flash Hazard: A dangerous condition associated with the release of energy caused by an electric arc.

Flash Hazard Analysis: A study investigating a worker's potential exposure to arc-flash energy, conducted for the purpose of injury prevention, the determination of safe work practices, and the appropriate levels of PPE.

Flash Protection Boundary: An approach limit at a distance from exposed live parts within which a person could receive a second degree burn if an electrical arc flash were to occur.

Flash Suit: A complete FR clothing and equipment system that covers the entire body, except for the hands and feet. This includes pants, jacket, and bee-keeper-type hood fitted with a face shield.

Hazard Risk Category (HRC): Categories defined by NFPA 70E-2004 to explain protection levels needed when performing tasks. The values range from -1 to 4. ATPV rated PPE is required for categories 1 through 4 as follows:
 • Category 1: 4 cal/cm² • Category 2: 8 cal/cm² • Category 3: 25 cal/cm² • Category 4: 40 cal/cm²

IEEE: The Institute of Electronics and Electrical Engineers (IEEE) (Note: IEEE1584 - 2002 Guide to Performing Arc-Flash Hazard Calculations).

Incident Energy: The amount of energy impressed on a surface, a certain distance from the source, generated during an electrical arc event. One of the units used to measure incident energy is calories per centimeter squared (cal/cm²).

Limited Approach Boundary: An approach limit at a distance from an exposed live part within which a shock hazard exists.

NEC The National Electrical Code: The NFPA Standard 70-2005 "The National Electrical Code" (NEC) (Note: paragraph 110.16 contains requirements for warning labels).

NFPA: The National Fire Protection Association.

NFPA 70E Standard: Standard that provides guidance on implementing appropriate work practices that are required to safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that could become energized.

OSHA: Occupational Safety and Health Administration.

OSHA 29 CFR 1910, Subpart S-Electrical: Occupational Safety and Health Standards. Section 1910 Subpart S-Electrical Standard number 1910.333 specifically addresses Standards for Work Practices.

Prohibited Approach Boundary: An approach limit at a distance from an exposed live part within which work is considered the same as making contact with the live part.

Restricted Approach Boundary: An approach limit at a distance from an exposed live part within which there is an increased risk of shock, due to electrical arc over combined with inadvertent movement, for personnel working in close proximity to the live part.

Shock Hazard: A dangerous electrical condition associated with the possible release of energy caused by contact or approach to energized parts.

Voltage, Nominal: A nominal value assigned to a circuit or system for the purpose of conveniently designating its voltage class. The actual voltage at which a circuit operates can vary from the nominal within a range that permits satisfactory operation of equipment.

Working Near (live parts): Any activity inside a limited approach boundary.

Working On (live parts): Coming in contact with live parts with the hands, feet, or other body parts, with tools, probes, or with test equipment, regardless of the personal protective equipment a person is wearing.

OEL - ARC Flash Wear - Leader in providing quality, inexpensive ARC Flash Protective Clothing





**INSULATED
TOOL LINE**

WWW.OELSALES.COM

OEL Insulated Tools

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Lifetime Warranty

As a Key Manufacturer of double-insulated safety hand tools, tested to 10,000 VAC, for work on any electrical circuits to 1000 VAC / 1500 VDC for protection of people, property, production, and performance, OEL guarantees the complete tool FOR LIFE. This LIFETIME WARRANTY includes the mechanical parts of the tools, provided they are used for the purpose for which they are intended, and OEL's insulation is guaranteed to be free from defects in material and workmanship FOR LIFE. Any product failing to conform to this warranty should be sent to OEL Worldwide Industry, where the product will be inspected then repaired or replaced.

Limited: 1yr on Ratchets & Torques

Insulated tools are beginning to emerge as a result of electrical safety related work practice 1910.331 0.33 OSHA standards, to safeguard personnel as well as equipment that is susceptible to shorting out and creating spiking surges to electronic apparatuses. Compliance with these standards will reduce the number of electrical accidents resulting from unsafe work practices by employees. OSHA has enacted laws making it mandatory for the electrical industry to develop and implement safety procedures, provide safety equipment, and train employee who are exposed to 50 volts or more to ground. Every insulated hand tool we manufacture and sell is rated for exposure up to 1000VAC and di-electrically tested at 10,000VAC. These tools meet or exceed ASTM F1505-01 and IEC 900 Standards for Insulated Hand Tools. These tools are necessary for compliance with OSHA 1910.333 (c)(2), and NFPA 70E 2012. The insulating material used is impact resistant and flame retardant. Two-color insulation makes inspection easier which adds to the overall safety. If the yellow under layer is showing, the tool may no longer be insulated properly and should be considered for replacement and removed from service. OEL is capable of customizing and supplying any tools that require protection up to 1,000 V. OEL will also cus-tomize sets to meet your unique tool needs. Why buy standard sets that have unneeded tools? With OEL you get the largest amount of 1000V American Made insulated tools in the world.

MANUFACTURED FOR USE IN COMPLIANCE WITH:

- Meets IEC 900 Standard for Insulated Hand Tools
- Exceed ASTM 1505-01 Standards for Insulated Hand Tools
- Helps meet OSHA Requirements 29 CFR Part 1910.331-335 Subpart S; 29 CFR Part 1910.269 Subpart K
- Meets NFPA 70E Requirements
- Tested to 10,000VAC and rated for 1000VAC Maximum Exposure
- Impact Resistant and Flame Retardant



Sockets

OEL PART#		DESCRIPTION
10022 SOCKET 3/16" 1/4DR 6 POINT		
1/4" DRIVE 12PT		
10202		SOCKET 3/16" 1/4DR 12 POINT
10203		SOCKET 7/32" 1/4DR 12 POINT
10204		SOCKET 1/4" 1/4DR 12 POINT
10205		SOCKET 9/32" 1/4DR 12 POINT
10206		SOCKET 5/16" 1/4DR 12 POINT
10207		SOCKET 11/32" 1/4DR 12 POINT
10208		SOCKET 3/8" 1/4DR 12 POINT
10209		SOCKET 7/16" 1/4DR 12 POINT
10210		SOCKET 1/2" 1/4DR 12 POINT
10-118		SOCKET 9/16" 1/4DR 12 POINT
1/4" DRIVE DEEP 12PT		
10-306		SOCKET DEEP 3/16" 1/4DR 12 POINT
10-307		SOCKET DEEP 7/32" 1/4DR 12 POINT
10-308		SOCKET DEEP 1/4" 1/4DR 12 POINT
10-309		SOCKET DEEP 9/32" 1/4DR 12 POINT
10-310		SOCKET DEEP 5/16" 1/4DR 12 POINT
10-311		SOCKET DEEP 11/32" 1/4DR 12 POINT
10-312		SOCKET DEEP 3/8" 1/4DR 12 POINT
10-314		SOCKET DEEP 7/16" 1/4DR 12 POINT
10-316		SOCKET DEEP 1/2" 1/4DR 12 POINT
10-318		SOCKET DEEP 9/16" 1/4DR 12 POINT
3/8" DRIVE 12PT		
11-108		SOCKET 1/4" 3/8DR 12 POINT
11206		SOCKET 5/16" 3/8DR 12 POINT
11208		SOCKET 3/8" 3/8DR 12 POINT
11209		SOCKET 7/16" 3/8DR 12 POINT
11210		SOCKET 1/2" 3/8DR 12 POINT
11211		SOCKET 9/16" 3/8DR 12 POINT
11212		SOCKET 5/8" 3/8DR 12 POINT
11213		SOCKET 11/16" 3/8DR 12 POINT
11214		SOCKET 3/4" 3/8DR 12 POINT
11215		SOCKET 13/16" 3/8DR 12 POINT
11216		SOCKET 7/8" 3/8DR 12 POINT
11-130		SOCKET 15/16" 3/8DR 12 POINT
11-132		SOCKET 1" 3/8DR 12 POINT
3/8" DRIVE DEEP 12PT		
11-308		SOCKET DEEP 1/4" 3/8DR 12 POINT
11-310		SOCKET DEEP 5/16" 3/8DR 12 POINT
11258		SOCKET DEEP 3/8" 3/8DR 12 POINT
11259		SOCKET DEEP 7/16" 3/8DR 12 POINT
11260		SOCKET DEEP 1/2" 3/8DR 12 POINT
11261		SOCKET DEEP 9/16" 3/8DR 12 POINT
11262		SOCKET DEEP 5/8" 3/8DR 12 POINT
11263		SOCKET DEEP 11/16" 3/8DR 12 POINT
11264		SOCKET DEEP 3/4" 3/8DR 12 POINT
11265		SOCKET DEEP 13/16" 3/8DR 12 POINT
11266		SOCKET DEEP 7/8" 3/8DR 12 POINT
11-330		SOCKET DEEP 15/16" 3/8DR 12 POINT
11-332		SOCKET DEEP 1" 3/8DR 12 POINT



Sockets

OEL PART#	DESCRIPTION
1/2" DRIVE 12PT	
12208	SOCKET 3/8" 1/2DR 12 POINT
12209	SOCKET 7/16" 1/2DR 12 POINT
12210	SOCKET 1/2" 1/2DR 12 POINT
12211	SOCKET 9/16" 1/2DR 12 POINT
12212	SOCKET 5/8" 1/2DR 12 POINT
12213	SOCKET 11/16" 1/2DR 12 POINT
12214	SOCKET 3/4" 1/2DR 12 POINT
12215	SOCKET 13/16" 1/2DR 12 POINT
12216	SOCKET 7/8" 1/2DR 12 POINT
12217	SOCKET 15/16" 1/2DR 12 POINT
12218	SOCKET 1" 1/2DR 12 POINT
12219	SOCKET 1-1/16" 1/2DR 12 POINT
12220	SOCKET 1-1/8" 1/2DR 12 POINT
12222	SOCKET 1-1/4" 1/2DR 12 POINT
12-144	SOCKET 1-3/8" 1/2DR 12 POINT
12-146	SOCKET 1-7/16" 1/2DR 12 POINT
1" DRIVE DEEP 12PT	
12260	SOCKET DEEP 1/2" 1/2DR 12 POINT
12261	SOCKET DEEP 9/16" 1/2DR 12 POINT
12262	SOCKET DEEP 5/8" 1/2DR 12 POINT
12263	SOCKET DEEP 11/16" 1/2DR 12 POINT
12264	SOCKET DEEP 3/4" 1/2DR 12 POINT
12265	SOCKET DEEP 13/16" 1/2DR 12 POINT
12266	SOCKET DEEP 7/8" 1/2DR 12 POINT
12267	SOCKET DEEP 15/16" 1/2DR 12 POINT
12268	SOCKET DEEP 1" 1/2DR 12 POINT
12269	SOCKET DEEP 1-1/16" 1/2DR 12 POINT
12270	SOCKET DEEP 1-1/8" 1/2DR 12 POINT
12-338	SOCKET DEEP 1-3/16" 1/2DR 12 POINT
12-340	SOCKET DEEP 1-1/4" 1/2DR 12 POINT
12-342	SOCKET DEEP 1-5/16" 1/2DR 12 POINT
12-344	SOCKET DEEP 1-3/8" 1/2DR 12 POINT
12-346	SOCKET DEEP 1-7/16" 1/2DR 12 POINT
12276	SOCKET DEEP 1-1/2" 1/2DR 12 POINT





Metric Sockets

1/4" DRIVE METRIC 12PT	
10304	SOCKET 5MM 1/4DR 12 POINT
10305	SOCKET 5.5MM 1/4DR 12 POINT
10306	SOCKET 6MM 1/4DR 12 POINT
10307	SOCKET 7MM 1/4DR 12 POINT
10308	SOCKET 8MM 1/4DR 12 POINT
10309	SOCKET 9MM 1/4DR 12 POINT
10310	SOCKET 10MM 1/4DR 12 POINT
10311	SOCKET 11MM 1/4DR 12 POINT
10312	SOCKET 12MM 1/4DR 12 POINT
10313	SOCKET 13MM 1/4DR 12 POINT
10314	SOCKET 14MM 1/4DR 12 POINT
37-015	SOCKET 15MM 1/4DR 12 POINT



Metric Sockets

OEL PART#	DESCRIPTION	
3/8" DRIVE METRIC 12PT		
38-106	SOCKET 6MM 3/8DR 12 POINT	
38-107	SOCKET 7MM 3/8DR 12 POINT	
38-108	SOCKET 8MM 3/8DR 12 POINT	
11309	SOCKET 9MM 3/8DR 12 POINT	
11310	SOCKET 10MM 3/8DR 12 POINT	
11311	SOCKET 11MM 3/8DR 12 POINT	
11312	SOCKET 12MM 3/8DR 12 POINT	
11313	SOCKET 13MM 3/8DR 12 POINT	
11314	SOCKET 14MM 3/8DR 12 POINT	
11315	SOCKET 15MM 3/8DR 12 POINT	
11316	SOCKET 16MM 3/8DR 12 POINT	
11317	SOCKET 17MM 3/8DR 12 POINT	
11318	SOCKET 18MM 3/8DR 12 POINT	
38-120	SOCKET 20MM 3/8DR 12 POINT	
11321	SOCKET 21MM 3/8DR 12 POINT	
38-122	SOCKET 22MM 3/8DR 12 POINT	
38-123	SOCKET 23MM 3/8DR 12 POINT	
3/8" DRIVE DEEP METRIC 12PT		
11358	SOCKET DEEP 8MM 3/8DR 12 POINT	
11359	SOCKET DEEP 9MM 3/8DR 12 POINT	
11360	SOCKET DEEP 10MM 3/8DR 12 POINT	
11361	SOCKET DEEP 11MM 3/8DR 12 POINT	
11362	SOCKET DEEP 12MM 3/8DR 12 POINT	
11363	SOCKET DEEP 13MM 3/8DR 12 POINT	
11364	SOCKET DEEP 14MM 3/8DR 12 POINT	
11366	SOCKET DEEP 16MM 3/8DR 12 POINT	
11367	SOCKET DEEP 17MM 3/8DR 12 POINT	
11368	SOCKET DEEP 18MM 3/8DR 12 POINT	
11369	SOCKET DEEP 19MM 3/8DR 12 POINT	
1/2" DRIVE METRIC 12 PT		
12309	SOCKET 9MM 1/2DR 12 POINT	
12310	SOCKET 10MM 1/2DR 12 POINT	
12311	SOCKET 11MM 1/2DR 12 POINT	
12312	SOCKET 12MM 1/2DR 12 POINT	
12313	SOCKET 13MM 1/2DR 12 POINT	
12314	SOCKET 14MM 1/2DR 12 POINT	
12315	SOCKET 15MM 1/2DR 12 POINT	
12316	SOCKET 16MM 1/2DR 12 POINT	
12317	SOCKET 17MM 1/2DR 12 POINT	
12318	SOCKET 18MM 1/2DR 12 POINT	
12319	SOCKET 19MM 1/2DR 12 POINT	



Hex Bit Sockets

OEL PART#	DESCRIPTION
3/8" DRIVE HEX BIT	
11-708	HEX BIT SOCKET 1/8" 3/8DR
11-709	HEX BIT SOCKET 9/64" 3/8DR
11-710	HEX BIT SOCKET 5/32" 3/8DR
11-711	HEX BIT SOCKET 3/16" 3/8DR
11-712	HEX BIT SOCKET 7/32" 3/8DR
11-713	HEX BIT SOCKET 1/4" 3/8DR
11-714	HEX BIT SOCKET 5/16" 3/8DR
11-715	HEX BIT SOCKET 3/8" 3/8DR
38-705	HEX BIT SOCKET 3MM 3/8DR
38-707	HEX BIT SOCKET 4MM 3/8DR
38-709	HEX BIT SOCKET 5MM 3/8DR
38-711	HEX BIT SOCKET 6MM 3/8DR
38-712	HEX BIT SOCKET 7MM 3/8DR
38-713	HEX BIT SOCKET 8MM 3/8DR
38-714	HEX BIT SOCKET 9MM 3/8DR
38-715	HEX BIT SOCKET 10MM 3/8DR
1/2" DRIVE HEX BIT	
12-714	HEX BIT SOCKET 5/16" 1/2DR
12-715	HEX BIT SOCKET 3/8" 1/2DR
12-716	HEX BIT SOCKET 7/16" 1/2DR
12-717	HEX BIT SOCKET 1/2" 1/2DR
12-718	HEX BIT SOCKET 9/16" 1/2DR
12-719	HEX BIT SOCKET 5/8" 1/2DR
12-721	HEX BIT SOCKET 3/4" 1/2DR
12-757	HEX BIT SOCKET 1/2" LONG 1/2DR
12-758	HEX BIT SOCKET 9/16" LONG 1/2DR
12-759	HEX BIT SOCKET 5/8" LONG 1/2DR
39-717	HEX BIT SOCKET 12MM 1/2DR
39-719	HEX BIT SOCKET 14MM 1/2DR
39-722	HEX BIT SOCKET 17MM 1/2DR
39-724	HEX BIT SOCKET 19MM 1/2DR
39-757	HEX BIT SOCKET 12MM LONG 1/2DR
39-759	HEX BIT SOCKET 14MM LONG 1/2DR
39-762	HEX BIT SOCKET 17MM LONG 1/2DR



Torx Bit Sockets

3/8" TORX BIT SOCKET	
11-870	TORX BIT SOCKET T10 3/8" DRIVE
11-872	TORX BIT SOCKET T15 3/8" DRIVE
11-874	TORX BIT SOCKET T20 3/8" DRIVE
11-876	TORX BIT SOCKET T25 3/8" DRIVE
11-878	TORX BIT SOCKET T27 3/8" DRIVE
11-880	TORX BIT SOCKET T30 3/8" DRIVE
11-882	TORX BIT SOCKET T40 3/8" DRIVE
11-884	TORX BIT SOCKET T45 3/8" DRIVE
11-886	TORX BIT SOCKET T50 3/8" DRIVE



Ratchets

OEL PART#	DESCRIPTION
1/4" DRIVE	
1069	RATCHET 5" 1/4" DRIVE
3/8" DRIVE	
1269	RATCHET 8" 3/8" DRIVE
1/2" DRIVE	
1569	RATCHET 10" 1/2" DRIVE



Socket Accessories

1/4" DRIVE EXTENSIONS	
1059F	EXTENSION 2" 1/4DRIVE FLARE END
1060F	EXTENSION 3" 1/4DRIVE FLARE END
1061F	EXTENSION 6" 1/4DRIVE FLARE END
10-924F	EXTENSION 10" 1/4DRIVE FLARE END
10-925F	EXTENSION 14" 1/4DRIVE FLARE END
3/8" DRIVE EXTENSIONS	
11805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
11-925F	EXTENSION 8" 3/8DRIVE FLARE END
11-927F	EXTENSION 12" 3/8DRIVE FLARE END
11-928F	EXTENSION 18" 3/8DRIVE FLARE END
1/2" DRIVE EXTENSIONS	
12-923F	EXTENSION 5" 1/2DRIVE FLARE END
12812F	EXTENSION 10" 1/2DRIVE FLARE END
12814F	EXTENSION 20" 1/2DRIVE FLARE END
ADAPTERS	
11927	ADAPTER 3/8"F - 1/4"M
10925	ADAPTER 1/4"F - 3/8"M
11925	ADAPTER 3/8"F - 1/2"M
12827	ADAPTER 1/2"F - 3/8"M
12828	ADAPTER 1/2"F - 3/4"M



Wrenches

OEL PART#	DESCRIPTION
1/4" DRIVE EXTENSIONS	
20204BO	WRENCH OPEN 1/4"
20206BO	WRENCH OPEN 5/16"
20208BO	WRENCH OPEN 3/8"
20209BO	WRENCH OPEN 7/16"
20210BO	WRENCH OPEN 1/2"
20211BO	WRENCH OPEN 9/16"
20212BO	WRENCH OPEN 5/8"
20213BO	WRENCH OPEN 11/16"
20214BO	WRENCH OPEN 3/4"
20215BO	WRENCH OPEN 13/16"
20216BO	WRENCH OPEN 7/8"
20217BO	WRENCH OPEN 15/16"
20218BO	WRENCH OPEN 1"
20219BO	WRENCH OPEN 1-1/16"
20220BO	WRENCH OPEN 1-1/8"
20222BO	WRENCH OPEN 1-1/4"
20223BO	WRENCH OPEN 1-5/16"
20224BO	WRENCH OPEN 1-3/8"
20225BO	WRENCH OPEN 1-7/16"
20226BO	WRENCH OPEN 1-1/2"
20228O	WRENCH OPEN 1-5/8"
20229O	WRENCH OPEN 1-11/16"
20230O	WRENCH OPEN 1-3/4"
20231O	WRENCH OPEN 1-13/16"
20232O	WRENCH OPEN 1-7/8"
20234O	WRENCH OPEN 2"
20204BB	WRENCH BOX 1/4"
20206BB	WRENCH BOX 5/16"
20208BB	WRENCH BOX 3/8"
20209BB	WRENCH BOX 7/16"
20210BB	WRENCH BOX 1/2"
20211BB	WRENCH BOX 9/16"
20212BB	WRENCH BOX 5/8"
20213BB	WRENCH BOX 11/16"
20214BB	WRENCH BOX 3/4"
20215BB	WRENCH BOX 13/16"
20216BB	WRENCH BOX 7/8"
20217BB	WRENCH BOX 15/16"
20218BB	WRENCH BOX 1"
20219BB	WRENCH BOX 1-1/16"
20220BB	WRENCH BOX 1-1/8"
20222BB	WRENCH BOX 1-1/4"
20223BB	WRENCH BOX 1-5/16"
20224BB	WRENCH BOX 1-3/8"
20225BB	WRENCH BOX 1-7/16"
20226BB	WRENCH BOX 1-1/2"
20228B	WRENCH BOX 1-5/8"
20229B	WRENCH BOX 1-11/16"
20230B	WRENCH BOX 1-3/4"
20231B	WRENCH BOX 1-13/16"
20232B	WRENCH BOX 1-7/8"
20234B	WRENCH BOX 2"



Wrenches

OEL PART#	DESCRIPTION
WRENCHES METRIC	
20307BO	WRENCH OPEN 7MM
20308BO	WRENCH OPEN 8MM
20309BO	WRENCH OPEN 9MM
20310BO	WRENCH OPEN 10MM
20312BO	WRENCH OPEN 12MM
20313BO	WRENCH OPEN 13MM
20314BO	WRENCH OPEN 14MM
20315BO	WRENCH OPEN 15MM
20316BO	WRENCH OPEN 16MM
20317BO	WRENCH OPEN 17MM
20318BO	WRENCH OPEN 18MM
20319BO	WRENCH OPEN 19MM
20320BO	WRENCH OPEN 20MM
20321BO	WRENCH OPEN 21MM
20322BO	WRENCH OPEN 22MM
20323BO	WRENCH OPEN 23MM
20324BO	WRENCH OPEN 24MM
20325BO	WRENCH OPEN 25MM
20326BO	WRENCH OPEN 26MM
20327BO	WRENCH OPEN 27MM
20328BO	WRENCH OPEN 28MM
20329BO	WRENCH OPEN 29MM
20330BO	WRENCH OPEN 30MM
20332BO	WRENCH OPEN 32MM
20330BO	WRENCH OPEN 30MM
20332BO	WRENCH OPEN 32MM
20307BB	WRENCH BOX 7MM
20308BB	WRENCH BOX 8MM
20309BB	WRENCH BOX 9MM
20310BB	WRENCH BOX 10MM
20311BB	WRENCH BOX 11MM
20312BB	WRENCH BOX 12MM
20313BB	WRENCH BOX 13MM
20314BB	WRENCH BOX 14MM
20315BB	WRENCH BOX 15MM
20316BB	WRENCH BOX 16MM
20317BB	WRENCH BOX 17MM
20318BB	WRENCH BOX 18MM
20319BB	WRENCH BOX 19MM
20320BB	WRENCH BOX 20MM
20321BB	WRENCH BOX 21MM
20322BB	WRENCH BOX 22MM
20323BB	WRENCH BOX 23MM
20324BB	WRENCH BOX 24MM
20325BB	WRENCH BOX 25MM
20326BB	WRENCH BOX 26MM
20327BB	WRENCH BOX 27MM
20328BB	WRENCH BOX 28MM
20329BB	WRENCH BOX 29MM
20330BB	WRENCH BOX 30MM
20332BB	WRENCH BOX 32MM



Gear Box Wrenches

OEL PART#	DESCRIPTION
RATCHETING (GEAR) BOX WRENCH-FRACTIONAL	
22604	RATCHETING BOX WRENCH 1/4"
22605	RATCHETING BOX WRENCH 5/16"
22606	RATCHETING BOX WRENCH 11/32"
22608	RATCHETING BOX WRENCH 3/8"
22609	RATCHETING BOX WRENCH 7/16"
22610	RATCHETING BOX WRENCH 1/2"
22611	RATCHETING BOX WRENCH 9/16"
22612	RATCHETING BOX WRENCH 5/8"
22613	RATCHETING BOX WRENCH 11/16"
22614	RATCHETING BOX WRENCH 3/4"
22615	RATCHETING BOX WRENCH 13/16"
22616	RATCHETING BOX WRENCH 7/8"
22617	RATCHETING BOX WRENCH 15/16"
22618	RATCHETING BOX WRENCH 1"
27-603	RATCHETING BOX WRENCH 1-1/16"
27-604	RATCHETING BOX WRENCH 1-1/8"
27-605	RATCHETING BOX WRENCH 1-1/4"
RATCHETING (GEAR) BOX WRENCH-METRIC	
54-587	RATCHETING BOX WRENCH 7MM
54-588	RATCHETING BOX WRENCH 8MM
54-589	RATCHETING BOX WRENCH 9MM
54-590	RATCHETING BOX WRENCH 10MM
54-591	RATCHETING BOX WRENCH 11MM
54-592	RATCHETING BOX WRENCH 12MM
54-593	RATCHETING BOX WRENCH 13MM
54-594	RATCHETING BOX WRENCH 14MM
54-595	RATCHETING BOX WRENCH 15MM
54-596	RATCHETING BOX WRENCH 16MM
54-597	RATCHETING BOX WRENCH 17MM
54-598	RATCHETING BOX WRENCH 18MM
54-599	RATCHETING BOX WRENCH 19MM
54-560	RATCHETING BOX WRENCH 20MM



Hex Wrenches

HEX WRENCHES - "T" LONG HANDLE	
7391A49	HEX WRENCH 5/64" 6" LONG ARM TYPE T
57320	HEX WRENCH 3/32" 6" LONG ARM TYPE T
57321	HEX WRENCH 7/64" 6" LONG ARM TYPE T
57322	HEX WRENCH 1/8" 6" LONG ARM TYPE T
57323	HEX WRENCH 9/64" 6" LONG ARM TYPE T
57324	HEX WRENCH 5/32" 6" LONG ARM TYPE T
57325	HEX WRENCH 3/16" 6" LONG ARM TYPE T
57326	HEX WRENCH 7/32" 6" LONG ARM TYPE T
57327	HEX WRENCH 1/4" 6" LONG ARM TYPE T
57328	HEX WRENCH 5/16" 6" LONG ARM TYPE T
57329	HEX WRENCH 3/8" 6" LONG ARM TYPE T
58023S	HEX WRENCH 7/16" 6" LONG ARM TYPE T
58024S	HEX WRENCH 1/2" 6" LONG ARM TYPE T
58026S	HEX WRENCH 9/16" 6" LONG ARM TYPE T





Hex Wrenches

OEL PART#	DESCRIPTION
HEX WRENCHES - "T" LONG ARM TYPE T HANDLE METRIC	
57860	HEX WRENCH 2MM 6" LONG ARM TYPE T
57861	HEX WRENCH 2.5MM 6" LONG ARM TYPE T
57862	HEX WRENCH 3MM 6" LONG ARM TYPE T
57863	HEX WRENCH 4MM 6" LONG ARM TYPE T
57864	HEX WRENCH 5MM 6" LONG ARM TYPE T
57865	HEX WRENCH 6MM 6" LONG ARM TYPE T
57866	HEX WRENCH 8MM 6" LONG ARM TYPE T
57867	HEX WRENCH 10MM 6" LONG ARM TYPE T
HEX WRENCHES - "L" HANDLE	
58001	HEX WRENCH 1/16" TYPE L LONG ARM
58002	HEX WRENCH 5/64" TYPE L LONG ARM
58004	HEX WRENCH 3/32" TYPE L LONG ARM
58005	HEX WRENCH 7/64" TYPE L LONG ARM
58006	HEX WRENCH 1/8" TYPE L LONG ARM
58010	HEX WRENCH 9/64" TYPE L LONG ARM
58012	HEX WRENCH 5/32" TYPE L LONG ARM
58014	HEX WRENCH 3/16" TYPE L LONG ARM
58016	HEX WRENCH 7/32" TYPE L LONG ARM
58018	HEX WRENCH 1/4" TYPE L LONG ARM
58020	HEX WRENCH 5/16" TYPE L LONG ARM
58022	HEX WRENCH 3/8" TYPE L LONG ARM
58023	HEX WRENCH 7/16" TYPE L LONG ARM
58024	HEX WRENCH 1/2" TYPE L LONG ARM
58026	HEX WRENCH 9/16" TYPE L LONG ARM
58028	HEX WRENCH 5/8" TYPE L LONG ARM
58030	HEX WRENCH 3/4" TYPE L LONG ARM
58032	HEX WRENCH 7/8" TYPE L LONG ARM
58034	HEX WRENCH 1" TYPE L LONG ARM
58036	HEX WRENCH 1-1/4" TYPE L LONG ARM
HEX WRENCHES - "L" LONG HANDLE METRIC	
58048	HEX WRENCH 0.9MM TYPE L LONG ARM
58049	HEX WRENCH 1.3MM TYPE L LONG ARM
58050	HEX WRENCH 1.5MM TYPE L LONG ARM
58052	HEX WRENCH 2MM TYPE L LONG ARM
58054	HEX WRENCH 2.5MM TYPE L LONG ARM
58056	HEX WRENCH 3MM TYPE L LONG ARM
58058	HEX WRENCH 4MM TYPE L LONG ARM
58060	HEX WRENCH 5MM TYPE L LONG ARM
58062	HEX WRENCH 6MM TYPE L LONG ARM
58064	HEX WRENCH 8MM TYPE L LONG ARM
58066	HEX WRENCH 10MM TYPE L LONG ARM
58068	HEX WRENCH 12MM TYPE L LONG ARM
58090	HEX WRENCH 14MM TYPE L LONG ARM
58092	HEX WRENCH 17MM TYPE L LONG ARM
58094	HEX WRENCH 19MM TYPE L LONG ARM



Other Wrenches

OEL PART#	DESCRIPTION
ADJUSTABLE WRENCH	
9004	ADJUSTABLE WRENCH 4"
9006	ADJUSTABLE WRENCH 6"
9008	ADJUSTABLE WRENCH 8"
26110	ADJUSTABLE WRENCH 10"
26112	ADJUSTABLE WRENCH 12"
26118	ADJUSTABLE WRENCH 18"
	
TORQUE WRENCH	
150RA-1/4	TORQUE WRENCH 1/4"DR 11.5" LONG 30-150 IN/LB
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB
250R-3/8	TORQUE WRENCH 3/8"DR 17.5" LONG 50-250 IN/LB
<p>* TORQUE WRENCH 1/2"DR AVAILABLE</p> 	



Screwdrivers

OEL PART#	DESCRIPTION
SCREWDRIVERS	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
66-256	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 5"
66-259	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 8"
30833	SCREWDRIVER CABINET TIP SLOTTED 3/16" X 3"
66-268	SCREWDRIVER CABINET TIP SLOTTED 3/16" X 8"
66-271	SCREWDRIVER CABINET TIP SLOTTED 1/4" X 12"
30839	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 4"
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
66-217	SCREWDRIVER SQUARE BLADE SLOTTED 5/16" X 8"
30843	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 8"
66-226	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 12"
30835	SCREWDRIVER PHILLIPS #0 X 2"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-155	SCREWDRIVER PHILLIPS #1 X 6"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
66-158	SCREWDRIVER PHILLIPS #2 X 8"
30838	SCREWDRIVER PHILLIPS #3 X 6"
66-164	SCREWDRIVER PHILLIPS #4 X 8"
66-321	TORX SCREWDRIVER T10 X 3" BLADE
66-323	TORX SCREWDRIVER T15 X 3" BLADE
66-326	TORX SCREWDRIVER T20 X 3" BLADE
66-327	TORX SCREWDRIVER T25 X 3" BLADE
66-329	TORX SCREWDRIVER T27 X 4" BLADE
66-330	TORX SCREWDRIVER T30 X 4" BLADE
66-332	TORX SCREWDRIVER T40 X 6" BLADE



Nutdrivers

OEL PART#	DESCRIPTION
NUTDRIVERS	
30802	NUT DRIVER 3/16" X 3"
30804	NUT DRIVER 1/4" X 3"
30806	NUT DRIVER 5/16" X 3"
30807	NUT DRIVER 11/32" X 3"
30808	NUT DRIVER 3/8" X 3"
30809	NUT DRIVER 7/16" X 3"
30810	NUT DRIVER 1/2" X 3"
66-818	NUT DRIVER 9/16" X 3"
66-820	NUT DRIVER 5/8" X 3"
41810	NUT DRIVER 3/16" X 6"
41830	NUT DRIVER 1/4" X 6"
41850	NUT DRIVER 5/16" X 6"
41860	NUT DRIVER 11/32" X 6"
41870	NUT DRIVER 3/8" X 6"
41880	NUT DRIVER 7/16" X 6"
41890	NUT DRIVER 1/2" X 6"
66-829	NUT DRIVER 4MM X 3"
30854	NUT DRIVER 5MM X 3"
30856	NUT DRIVER 6MM X 3"
30857	NUT DRIVER 7MM X 3"
30858	NUT DRIVER 8MM X 3"
30859	NUT DRIVER 9MM X 3"
30860	NUT DRIVER 10MM X 3"
30861	NUT DRIVER 11MM X 3"



Pliers

OEL PART#	DESCRIPTION
PLIERS	
8010	PLIER TONGUE AND GROOVE 10"
67-789	PLIER PIPEWRENCH TONGUE & GROVE 10"
67-791	PLIER PIPEWRENCH TONGUE & GROVE 12.75"
7008	PLIER SLIP JOINT 8"
5008	PLIER DIAGONAL HEAVY DUTY 7"
5002	PLIER DIAGONAL 5"
5004	PLIER DIAGONAL 6"
5030	PLIER LINESMAN 9"
5024	PLIER END NIPPER 7"
5032	PLIER CRIMPING 10-22 AWG 9"
5033	PLIER CRIMPING 22-14 AWG 9"
5016	PLIER NEEDLE NOSE, WITH CUTTER 6"
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"
5045	CABLE CUTTERS 9.5"
5045R	CABLE CUTTERS WITH LOCATOR RING 9.5"
67-901	PLIER ELECTRICIAN'S STRIPPER/CUTTER/CRIMPER 8.5"



Tool Kits

OEL PART#	DESCRIPTION
MTK - DELUX MAINTENANCE TOOL KIT 30PCS - includes:	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
30833	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 3"
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB
1269	RATCHET 3/8" DRIVE 8"
11810F	EXTENSION 6" 3/8DRIVE FLARE END
11-925F	EXTENSION 8" 3/8DRIVE FLARE END
11258	SOCKET DEEP 3/8" 3/8DR 12 POINT
11259	SOCKET DEEP 7/16" 3/8DR 12 POINT
11260	SOCKET DEEP 1/2" 3/8DR 12 POINT
11261	SOCKET DEEP 9/16" 3/8DR 12 POINT
11262	SOCKET DEEP 5/8" 3/8DR 12 POINT
11263	SOCKET DEEP 11/16" 3/8DR 12 POINT
11264	SOCKET DEEP 3/4" 3/8DR 12 POINT
11265	SOCKET DEEP 13/16" 3/8DR 12 POINT
20208BB	WRENCH BOX 3/8"
20209BB	WRENCH BOX 7/16"
20210BB	WRENCH BOX 1/2"
20211BB	WRENCH BOX 9/16"
20212BB	WRENCH BOX 5/8"
20213BB	WRENCH BOX 11/16"
20214BB	WRENCH BOX 3/4"
20215BB	WRENCH BOX 13/16"
5008	PLIER DIAGONAL HEAVY DUTY 7"
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"
5030	PLIER LINESMAN 9"
FL	FLASHLIGHT
IT-MKFOAM	CUSTOM CUT FOAM
OEL02021	UK518 BLACK WITHOUT FOAM
ETK - ELECTRICIAN'S TOOL KIT 20 PCS	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
5008	PLIER DIAGONAL HEAVY DUTY 7"
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"
5030	PLIER LINESMAN 9"
FL	FLASHLIGHT
11208	SOCKET 3/8" 3/8DR 12 POINT
11209	SOCKET 7/16" 3/8DR 12 POINT
11210	SOCKET 1/2" 3/8DR 12 POINT
11211	SOCKET 9/16" 3/8DR 12 POINT
11212	SOCKET 5/8" 3/8DR 12 POINT
11213	SOCKET 11/16" 3/8DR 12 POINT
11214	SOCKET 3/4" 3/8DR 12 POINT
11-805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
1269	RATCHET 9" 3/8" DRIVE
IT-CASE	TOOL CASE



Tool Kits

OEL PART#	DESCRIPTION
BBK - BIG BOX 60 PCS	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"
33833	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 3"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
66-158	SCREWDRIVER PHILLIPS #2 X 8"
30802	NUT DRIVER 3/16" X 3"
30804	NUT DRIVER 1/4" X 3"
30806	NUT DRIVER 5/16" X 3"
30807	NUT DRIVER 11/32" X 3"
30808	NUT DRIVER 3/8" X 3"
30809	NUT DRIVER 7/16" X 3"
30810	NUT DRIVER 1/2" X 3"
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 50-250 IN/LB
1269	RATCHET 3/8" DRIVE 8"
11805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
11206	SOCKET 5/16" 3/8DR 12 POINT
11208	SOCKET 3/8" 3/8DR 12 POINT
11209	SOCKET 7/16" 3/8DR 12 POINT
11210	SOCKET 1/2" 3/8DR 12 POINT
11211	SOCKET 9/16" 3/8DR 12 POINT
11212	SOCKET 5/8" 3/8DR 12 POINT
11213	SOCKET 11/16" 3/8DR 12 POINT
11214	SOCKET 3/4" 3/8DR 12 POINT
11215	SOCKET 13/16" 3/8DR 12 POINT
11216	SOCKET 7/8" 3/8DR 12 POINT
20208BB	WRENCH BOX 3/8"
20209BB	WRENCH BOX 7/16"
20210BB	WRENCH BOX 1/2"
20211BB	WRENCH BOX 9/16"
20212BB	WRENCH BOX 5/8"
20213BB	WRENCH BOX 11/16"
20214BB	WRENCH BOX 3/4"
20215BB	WRENCH BOX 13/16"
20216BB	WRENCH BOX 7/8"
20217BB	WRENCH BOX 15/16"
20218BB	WRENCH BOX 1"
58001	HEX WRENCH 1/16" TYPE L LONG ARM
58002	HEX WRENCH 5/64" TYPE L LONG ARM
58004	HEX WRENCH 3/32" TYPE L LONG ARM
58005	HEX WRENCH 7/64" TYPE L LONG ARM
58006	HEX WRENCH 1/8" TYPE L LONG ARM
58010	HEX WRENCH 9/64" TYPE L LONG ARM
58012	HEX WRENCH 5/32" TYPE L LONG ARM
58014	HEX WRENCH 3/16" TYPE L LONG ARM
58016	HEX WRENCH 7/32" TYPE L LONG ARM
58018	HEX WRENCH 1/4" TYPE L LONG ARM
58020	HEX WRENCH 5/16" TYPE L LONG ARM
58022	HEX WRENCH 3/8" TYPE L LONG ARM
58023	HEX WRENCH 7/16" TYPE L LONG ARM
58024	HEX WRENCH 1/2" TYPE L LONG ARM
5008	PLIER DIAGONAL HEAVY DUTY 7"
8010	PLIER TONG AND GROOVE 10"
5030	PLIER LINESMAN 9"
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"
5045	CABLE CUTTERS 9.5"
67-901	PLIER ELECTRICIAN'S STRIPPER/CUTTER/CRIMPER 8.5"
IT-POUCH	TOOL POUCH
BBK Case	BBK CASE WITH HANDLE/WHEELS



Tool Kits

OEL PART#	DESCRIPTION	
ETK-W ELECTRICIAN'S TOOL KIT EXTRA 27 PCS		
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"	
30833	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"	
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"	
30836	SCREWDRIVER PHILLIPS #1 X 3"	
66-156	SCREWDRIVER PHILLIPS #2 X 4"	
5008	PLIER DIAGONAL HEAVY DUTY 7"	
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"	
5030	PLIER LINESMAN 9"	
FL	Flashlight	
11208	SOCKET 3/8" 3/8DR 12 POINT	
11209	SOCKET 7/16" 3/8DR 12 POINT	
11210	SOCKET 1/2" 3/8DR 12 POINT	
11211	SOCKET 9/16" 3/8DR 12 POINT	
11212	SOCKET 5/8" 3/8DR 12 POINT	
11213	SOCKET 11/16" 3/8DR 12 POINT	
11214	SOCKET 3/4" 3/8DR 12 POINT	
11-805F	EXTENSION 3" 3/8DRIVE FLARE END	
12810F	EXTENSION 6" 3/8DRIVE FLARE END	
1269	RATCHET 9" 3/8" DRIVE	
20208BB	WRENCH BOX 3/8"	
20209BB	WRENCH BOX 7/16"	
20210BB	WRENCH BOX 1/2"	
20211BB	WRENCH BOX 9/16"	
20212BB	WRENCH BOX 5/8"	
20213BB	WRENCH BOX 11/16"	
20214BB	WRENCH BOX 3/4"	
IT-Pouch	Tool Pouch	
IT-CASE	Tool Case	
BATK - BATTERY TORQUE SET 4 PCS		
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB	
11810F	EXTENSION 6" 3/8DRIVE FLARE END	
22610	RATCHETING BOX WRENCH 1/2"	
11210	SOCKET 1/2" 3/8DR 12 POINT	
IT-CASE	Tool Case	
BATK5 - BATTERY TORQUE SET 5 PCS		
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB	
11810F	EXTENSION 6" 3/8DRIVE FLARE END	
22610	RATCHETING BOX WRENCH 1/2"	
11360	SOCKET DEEP 10MM 3/8DR 12 POINT	
11363	SOCKET DEEP 13MM 3/8DR 12 POINT	
IT-CASE	Tool Case	
ISHBS - INSULATED SOCKET & HEX BIT SET 20 PCS		
1269	RATCHET 3/8" DRIVE 8"	
11805F	EXTENSION 3" 3/8DRIVE FLARE END	
11810F	EXTENSION 6" 3/8DRIVE FLARE END	
11-708	HEX BIT SOCKET 1/8" 3/8DR	
11-710	HEX BIT SOCKET 5/32" 3/8DR	
11-711	HEX BIT SOCKET 3/16" 3/8DR	
11-712	HEX BIT SOCKET 7/32" 3/8DR	
11-713	HEX BIT SOCKET 1/4" 3/8DR	
11-714	HEX BIT SOCKET 5/16" 3/8DR	
11-715	HEX BIT SOCKET 3/8" 3/8DR	
11258	SOCKET DEEP 3/8" 3/8DR 12 POINT	
11259	SOCKET DEEP 7/16" 3/8DR 12 POINT	



Tool Kits

11260	SOCKET DEEP 1/2" 3/8DR 12 POINT
11261	SOCKET DEEP 9/16" 3/8DR 12 POINT
11262	SOCKET DEEP 5/8" 3/8DR 12 POINT
11263	SOCKET DEEP 11/16" 3/8DR 12 POINT
11264	SOCKET DEEP 3/4" 3/8DR 12 POINT
11265	SOCKET DEEP 13/16" 3/8DR 12 POINT
11266	SOCKET DEEP 7/8" 3/8DR 12 POINT
IT-CASE	TOOL CASE

24RB-8 - RATCHETING (GEAR) BOX END WRENCH SET 8 PCS

22608	RATCHETING BOX WRENCH 3/8"
22609	RATCHETING BOX WRENCH 7/16"
22610	RATCHETING BOX WRENCH 1/2"
22611	RATCHETING BOX WRENCH 9/16"
22612	RATCHETING BOX WRENCH 5/8"
22613	RATCHETING BOX WRENCH 11/16"
22614	RATCHETING BOX WRENCH 3/4"
22615	RATCHETING BOX WRENCH 13/16"
IT-Pouch	TOOL POUCH



24RBM-8 - RATCHETING (GEAR) BOX END WRENCH SET 8 PCS METRIC

54-587	RATCHETING BOX WRENCH 7MM
54-587	RATCHETING BOX WRENCH 8MM
54-590	RATCHETING BOX WRENCH 9MM
54-590	RATCHETING BOX WRENCH 10MM
54-593	RATCHETING BOX WRENCH 11MM
54-593	RATCHETING BOX WRENCH 12MM
54-596	RATCHETING BOX WRENCH 13MM
54-596	RATCHETING BOX WRENCH 14MM
IT-Pouch	TOOL POUCH



24RB-11 - RATCHETING (GEAR) BOX END WRENCH SET 11 PCS


22608	RATCHETING BOX WRENCH 3/8"
22609	RATCHETING BOX WRENCH 7/16"
22610	RATCHETING BOX WRENCH 1/2"
22611	RATCHETING BOX WRENCH 9/16"
22612	RATCHETING BOX WRENCH 5/8"
22613	RATCHETING BOX WRENCH 11/16"
22614	RATCHETING BOX WRENCH 3/4"
22615	RATCHETING BOX WRENCH 13/16"
22616	RATCHETING BOX WRENCH 7/8"
22617	RATCHETING BOX WRENCH 15/16"
22618	RATCHETING BOX WRENCH 1"
IT-Pouch	TOOL POUCH

24RBM-11 - RATCHETING (GEAR) BOX END WRENCH SET 11 PCS METRIC

20307BB	WRENCH BOX 7MM
20308BB	WRENCH BOX 8MM
20309BB	WRENCH BOX 9MM
20310BB	WRENCH BOX 10MM
20311BB	WRENCH BOX 11MM
20312BB	WRENCH BOX 12MM
20313BB	WRENCH BOX 13MM
20314BB	WRENCH BOX 14MM
20315BB	WRENCH BOX 15MM
20316BB	WRENCH BOX 16MM
20317BB	WRENCH BOX 17MM
IT-Pouch	TOOL POUCH



Tool Kits

OEL PART#	DESCRIPTION	
241708-B - WRENCH SET BOX 8 PCS		
20208BB	WRENCH BOX 3/8"	
20209BB	WRENCH BOX 7/16"	
20210BB	WRENCH BOX 1/2"	
20211BB	WRENCH BOX 9/16"	
20212BB	WRENCH BOX 5/8"	
20213BB	WRENCH BOX 11/16"	
20214BB	WRENCH BOX 3/4"	
20215BB	WRENCH BOX 13/16"	
IT-Pouch	TOOL POUCH	
241708-O - WRENCH SET OPEN 8		
20208BO	WRENCH OPEN 3/8"	
20209BO	WRENCH OPEN 7/16"	
20210BO	WRENCH OPEN 1/2"	
20211BO	WRENCH OPEN 9/16"	
20212BO	WRENCH OPEN 5/8"	
20213BO	WRENCH OPEN 11/16"	
20214BO	WRENCH OPEN 3/4"	
20215BO	WRENCH OPEN 13/16"	
IT-Pouch	TOOL POUCH	
241713 - WRENCH SET BOX 11 PCS		
20208BB	WRENCH BOX 3/8"	
20209BB	WRENCH BOX 7/16"	
20210BB	WRENCH BOX 1/2"	
20211BB	WRENCH BOX 9/16"	
20212BB	WRENCH BOX 5/8"	
20213BB	WRENCH BOX 11/16"	
20214BB	WRENCH BOX 3/4"	
20215BB	WRENCH BOX 13/16"	
20216BB	WRENCH BOX 7/8"	
20217BB	WRENCH BOX 15/16"	
20218BB	WRENCH BOX 1"	
IT-Pouch	TOOL POUCH	
241714 - WRENCH SET OPEN 11 PCS		
20208BO	WRENCH OPEN 3/8"	
20209BO	WRENCH OPEN 7/16"	
20210BO	WRENCH OPEN 1/2"	
20211BO	WRENCH OPEN 9/16"	
20212BO	WRENCH OPEN 5/8"	
20213BO	WRENCH OPEN 11/16"	
20214BO	WRENCH OPEN 3/4"	
20215BO	WRENCH OPEN 13/16"	
20216BO	WRENCH OPEN 7/8"	
20217BO	WRENCH OPEN 15/16"	
20218BO	WRENCH OPEN 1"	
IT-Pouch	TOOL POUCH	



Tool Kits

OEL PART#	DESCRIPTION
241709 - WRENCH SET BOX 13 PCS	
20204BB	WRENCH BOX 1/4"
20206BB	WRENCH BOX 5/16"
20208BB	WRENCH BOX 3/8"
20209BB	WRENCH BOX 7/16"
20210BB	WRENCH BOX 1/2"
20211BB	WRENCH BOX 9/16"
20212BB	WRENCH BOX 5/8"
20213BB	WRENCH BOX 11/16"
20214BB	WRENCH BOX 3/4"
20215BB	WRENCH BOX 13/16"
20216BB	WRENCH BOX 7/8"
20217BB	WRENCH BOX 15/16"
20218BB	WRENCH BOX 1"
IT-Pouch	TOOL POUCH
241710 - WRENCH SET OPEN 13 PCS	
20204BO	WRENCH OPEN 1/4"
20206BO	WRENCH OPEN 5/16"
20208BO	WRENCH OPEN 3/8"
20209BO	WRENCH OPEN 7/16"
20210BO	WRENCH OPEN 1/2"
20211BO	WRENCH OPEN 9/16"
20212BO	WRENCH OPEN 5/8"
20213BO	WRENCH OPEN 11/16"
20214BO	WRENCH OPEN 3/4"
20215BO	WRENCH OPEN 13/16"
20216BO	WRENCH OPEN 7/8"
20217BO	WRENCH OPEN 15/16"
20218BO	WRENCH OPEN 1"
IT-Pouch	TOOL POUCH
241814-B - WRENCH SET BOX 8 PCS METRIC	
20310BB	WRENCH BOX 10MM
20311BB	WRENCH BOX 11MM
20312BB	WRENCH BOX 12MM
20313BB	WRENCH BOX 13MM
20314BB	WRENCH BOX 14MM
20315BB	WRENCH BOX 15MM
20316BB	WRENCH BOX 16MM
20317BB	WRENCH BOX 17MM
20318BB	WRENCH BOX 18MM
20319BB	WRENCH BOX 19MM
IT-Pouch	TOOL POUCH
241814-O - WRENCH SET OPEN 8 PCS METRIC	
20310BB	WRENCH OPEN 10MM
20311BB	WRENCH OPEN 11MM
20312BB	WRENCH OPEN 12MM
20313BB	WRENCH OPEN 13MM
20314BB	WRENCH OPEN 14MM
20315BB	WRENCH OPEN 15MM
20316BB	WRENCH OPEN 16MM
20317BB	WRENCH OPEN 17MM
20318BB	WRENCH OPEN 18MM
20319BB	WRENCH OPEN 19MM
IT-Pouch	TOOL POUCH



Tool Kits

OEL PART#	DESCRIPTION
262344 - HEX T WRENCH 11 PCS	
7391A49	HEX WRENCH 5/64" 6" LONG ARM TYPE T
57320	HEX WRENCH 3/32" 6" LONG ARM TYPE T
57321	HEX WRENCH 7/64" 6" LONG ARM TYPE T
57322	HEX WRENCH 1/8" 6" LONG ARM TYPE T
57323	HEX WRENCH 9/64" 6" LONG ARM TYPE T
57324	HEX WRENCH 5/32" 6" LONG ARM TYPE T
57325	HEX WRENCH 3/16" 6" LONG ARM TYPE T
57326	HEX WRENCH 7/32" 6" LONG ARM TYPE T
57327	HEX WRENCH 1/4" 6" LONG ARM TYPE T
57328	HEX WRENCH 5/16" 6" LONG ARM TYPE T
57329	HEX WRENCH 3/8" 6" LONG ARM TYPE T
IT-Pouch	TOOL POUCH
2613P - HEX T WRENCH 13 PCS	
7391A49	HEX WRENCH 5/64" 6" LONG ARM TYPE T
57320	HEX WRENCH 3/32" 6" LONG ARM TYPE T
57321	HEX WRENCH 7/64" 6" LONG ARM TYPE T
57322	HEX WRENCH 1/8" 6" LONG ARM TYPE T
57323	HEX WRENCH 9/64" 6" LONG ARM TYPE T
57324	HEX WRENCH 5/32" 6" LONG ARM TYPE T
57325	HEX WRENCH 3/16" 6" LONG ARM TYPE T
57326	HEX WRENCH 7/32" 6" LONG ARM TYPE T
57327	HEX WRENCH 1/4" 6" LONG ARM TYPE T
57328	HEX WRENCH 5/16" 6" LONG ARM TYPE T
57329	HEX WRENCH 3/8" 6" LONG ARM TYPE T
IT-Pouch	TOOL POUCH
2613PM - HEX T WRENCH 8 PCS METRIC	
57860	HEX WRENCH 2MM 6" LONG ARM TYPE T
57861	HEX WRENCH 2.5MM 6" LONG ARM TYPE T
57862	HEX WRENCH 3MM 6" LONG ARM TYPE T
57863	HEX WRENCH 4MM 6" LONG ARM TYPE T
57864	HEX WRENCH 5MM 6" LONG ARM TYPE T
57865	HEX WRENCH 6MM 6" LONG ARM TYPE T
57866	HEX WRENCH 8MM 6" LONG ARM TYPE T
57867	HEX WRENCH 10MM 6" LONG ARM TYPE T
IT-Pouch	TOOL POUCH
2610214 - HEX L WRENCH SET 14 PCS	
58001	HEX WRENCH 1/16" TYPE L LONG ARM
58002	HEX WRENCH 5/64" TYPE L LONG ARM
58004	HEX WRENCH 3/32" TYPE L LONG ARM
58005	HEX WRENCH 7/64" TYPE L LONG ARM
58006	HEX WRENCH 1/8" TYPE L LONG ARM
58010	HEX WRENCH 9/64" TYPE L LONG ARM
58012	HEX WRENCH 5/32" TYPE L LONG ARM
58014	HEX WRENCH 3/16" TYPE L LONG ARM
58016	HEX WRENCH 7/32" TYPE L LONG ARM
58018	HEX WRENCH 1/4" TYPE L LONG ARM
58020	HEX WRENCH 5/16" TYPE L LONG ARM
58022	HEX WRENCH 3/8" TYPE L LONG ARM
58023	HEX WRENCH 7/16" TYPE L LONG ARM
58024	HEX WRENCH 1/2" TYPE L LONG ARM
IT-Pouch	TOOL POUCH



Tool Kits

OEL PART#	DESCRIPTION	
SOCKET3 - SOCKET SET 11 PCS - 3/8" DRIVE/12 POINT/CLOSED QUARTER SOCKETS		
11208	SOCKET 3/8" 3/8DR 12 POINT	
11209	SOCKET 7/16" 3/8DR 12 POINT	
11210	SOCKET 1/2" 3/8DR 12 POINT	
11211	SOCKET 9/16" 3/8DR 12 POINT	
11212	SOCKET 5/8" 3/8DR 12 POINT	
11213	SOCKET 11/16" 3/8DR 12 POINT	
11214	SOCKET 3/4" 3/8DR 12 POINT	
11215	SOCKET 13/16" 3/8DR 12 POINT	
1269	RATCHET 3/8" DRIVE 8"	
11805F	EXTENSION 3" 3/8DRIVE FLARE END	
11810F	EXTENSION 6" 3/8DRIVE FLARE END	
IT-Pouch	TOOL POUCH	
SOCKET3D - SOCKET SET 11 PCS - 3/8" DRIVE/12 POINT/DEEP WALL/CLOSED QUARTER SOCKETS		
11258	SOCKET DEEP 3/8" 3/8DR 12 POINT	
11259	SOCKET DEEP 7/16" 3/8DR 12 POINT	
11260	SOCKET DEEP 1/2" 3/8DR 12 POINT	
11261	SOCKET DEEP 9/16" 3/8DR 12 POINT	
11262	SOCKET DEEP 5/8" 3/8DR 12 POINT	
11263	SOCKET DEEP 11/16" 3/8DR 12 POINT	
11264	SOCKET DEEP 3/4" 3/8DR 12 POINT	
11265	SOCKET DEEP 13/16" 3/8DR 12 POINT	
1269	RATCHET 3/8" DRIVE 8"	
11805F	EXTENSION 3" 3/8DRIVE FLARE END	
11810F	EXTENSION 6" 3/8DRIVE FLARE END	
IT-Pouch	TOOL POUCH	
SOCKET2 - SOCKET SET 12 PCS - 1/2" DRIVE/12 POINT/CLOSED QUARTER SOCKETS		
12210	SOCKET 1/2" 1/2DR 12 POINT	
12211	SOCKET 9/16" 1/2DR 12 POINT	
12212	SOCKET 5/8" 1/2DR 12 POINT	
12213	SOCKET 11/16" 1/2DR 12 POINT	
12214	SOCKET 3/4" 1/2DR 12 POINT	
12215	SOCKET 13/16" 1/2DR 12 POINT	
12216	SOCKET 7/8" 1/2DR 12 POINT	
12217	SOCKET 15/16" 1/2DR 12 POINT	
12218	SOCKET 1" 1/2DR 12 POINT	
12-923F	EXTENSION 5" 1/2DRIVE FLARE END	
12812F	EXTENSION 10" 1/2DRIVE FLARE END	
1569	RATCHET 10" 1/2" DRIVE	
IT-Pouch	TOOL POUCH	
SOCKET2D - SOCKET SET 12 PCS - 1/2" DRIVE/12 POINT/DEEP WALL/CLOSED QUARTER SOCKETS		
12260	SOCKET DEEP 1/2" 1/2DR 12 POINT	
12261	SOCKET DEEP 9/16" 1/2DR 12 POINT	
12262	SOCKET DEEP 5/8" 1/2DR 12 POINT	
12263	SOCKET DEEP 11/16" 1/2DR 12 POINT	
12264	SOCKET DEEP 3/4" 1/2DR 12 POINT	
12265	SOCKET DEEP 13/16" 1/2DR 12 POINT	
12266	SOCKET DEEP 7/8" 1/2DR 12 POINT	
12267	SOCKET DEEP 15/16" 1/2DR 12 POINT	
12268	SOCKET DEEP 1" 1/2DR 12 POINT	
12-923F	EXTENSION 5" 1/2DRIVE FLARE END	
12812F	EXTENSION 10" 1/2DRIVE FLARE END	
1569	RATCHET 10" 1/2" DRIVE	
IT-Pouch	TOOL POUCH	



Tool Kits

OEL PART#	DESCRIPTION
BTPCK - BASIC TELECOMMUNICATION TOLL POWER CONNECTING KIT 24PCS	
11-108	SOCKET 1/4" 3/8DR 12 POINT
11206	SOCKET 5/16" 3/8DR 12 POINT
11208	SOCKET 3/8" 3/8DR 12 POINT
11209	SOCKET 7/16" 3/8DR 12 POINT
11210	SOCKET 1/2" 3/8DR 12 POINT
11211	SOCKET 9/16" 3/8DR 12 POINT
11212	SOCKET 5/8" 3/8DR 12 POINT
11213	SOCKET 11/16" 3/8DR 12 POINT
11214	SOCKET 3/4" 3/8DR 12 POINT
11215	SOCKET 13/16" 3/8DR 12 POINT
11216	SOCKET 7/8" 3/8DR 12 POINT
11-130	SOCKET 15/16" 3/8DR 12 POINT
11-132	SOCKET 1" 3/8DR 12 POINT
1269	RATCHET 3/8" DRIVE 8"
11805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
9006	ADJUSTABLE WRENCH 6"
30802	NUT DRIVER 3/16" X 3"
30804	NUT DRIVER 1/4" X 3"
30806	NUT DRIVER 5/16" X 3"
30807	NUT DRIVER 11/32" X 3"
30808	NUT DRIVER 3/8" X 3"
30809	NUT DRIVER 7/16" X 3"
30810	NUT DRIVER 1/2" X 3"
IT-POUCH	TOOL POUCH
GTO Case	GREAT TOOL ORGANIZER
IMBK - INSIDE MAINTENANCE BOX 40PCS	
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30833	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 3"
30843	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 8"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-158	SCREWDRIVER PHILLIPS #2 X 8"
30802	NUT DRIVER 3/16" X 3"
30804	NUT DRIVER 1/4" X 3"
30806	NUT DRIVER 5/16" X 3"
30807	NUT DRIVER 11/32" X 3"
30808	NUT DRIVER 3/8" X 3"
30809	NUT DRIVER 7/16" X 3"
30810	NUT DRIVER 1/2" X 3"
66-818	NUT DRIVER 9/16" X 3"
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB
1269	RATCHET 3/8" DRIVE 8"
11805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
11-927F	EXTENSION 12" 3/8DRIVE FLARE END
11258	SOCKET DEEP 3/8" 3/8DR 12 POINT
11259	SOCKET DEEP 7/16" 3/8DR 12 POINT
11260	SOCKET DEEP 1/2" 3/8DR 12 POINT
11261	SOCKET DEEP 9/16" 3/8DR 12 POINT
11262	SOCKET DEEP 5/8" 3/8DR 12 POINT
11263	SOCKET DEEP 11/16" 3/8DR 12 POINT
11264	SOCKET DEEP 3/4" 3/8DR 12 POINT
11265	SOCKET DEEP 13/16" 3/8DR 12 POINT
20208BB	WRENCH BOX 3/8"
20209BB	WRENCH BOX 7/16"
20210BB	WRENCH BOX 1/2"
20211BB	WRENCH BOX 9/16"



Tool Kits

20212BB	WRENCH BOX 5/8"
20213BB	WRENCH BOX 11/16"
20214BB	WRENCH BOX 3/4"
20215BB	WRENCH BOX 13/16"
58014	HEX WRENCH 3/16" TYPE L LONG ARM
58018	HEX WRENCH 1/4" TYPE L LONG ARM
58020	HEX WRENCH 5/16" TYPE L LONG ARM
58022	HEX WRENCH 3/8" TYPE L LONG ARM
8010	PLIER TONG AND GROOVE 10"
IT-Pouch	TOOL POUCH
GTO Case	GREAT TOOL ORGANIZER
OMBK - OUTSIDE MAINTENANCE BOX 25PCS	
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
66-158	SCREWDRIVER PHILLIPS #2 X 8"
30808	NUT DRIVER 3/8" X 3"
30809	NUT DRIVER 7/16" X 3"
30810	NUT DRIVER 1/2" X 3"
66-818	NUT DRIVER 9/16" X 3"
5008	PLIER DIAGONAL HEAVY DUTY 7"
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"
5030	PLIER LINESMAN 9"
FL	Flashlight
150RA-3/8	TORQUE WRENCH 3/8"DR 11.5" LONG 30-150 IN/LB
1269	RATCHET 3/8" DRIVE 8"
11805F	EXTENSION 3" 3/8DRIVE FLARE END
11810F	EXTENSION 6" 3/8DRIVE FLARE END
11-927F	EXTENSION 12" 3/8DRIVE FLARE END
11258	SOCKET DEEP 3/8" 3/8DR 12 POINT
11259	SOCKET DEEP 7/16" 3/8DR 12 POINT
11260	SOCKET DEEP 1/2" 3/8DR 12 POINT
11261	SOCKET DEEP 9/16" 3/8DR 12 POINT
11262	SOCKET DEEP 5/8" 3/8DR 12 POINT
11263	SOCKET DEEP 11/16" 3/8DR 12 POINT
11264	SOCKET DEEP 3/4" 3/8DR 12 POINT
11265	SOCKET DEEP 13/16" 3/8DR 12 POINT
58014	HEX WRENCH 3/16" TYPE L LONG ARM
58018	HEX WRENCH 1/4" TYPE L LONG ARM
58020	HEX WRENCH 5/16" TYPE L LONG ARM
58022	HEX WRENCH 3/8" TYPE L LONG ARM
8010	PLIER TONG AND GROOVE 10"
IT-Pouch	TOOL POUCH
GTO Case	GREAT TOOL ORGANIZER
241814-B - WRENCH SET BOX 8 PCS METRIC	
20310BB	WRENCH BOX 10MM
20311BB	WRENCH BOX 11MM
20312BB	WRENCH BOX 12MM
20313BB	WRENCH BOX 13MM
20314BB	WRENCH BOX 14MM
20315BB	WRENCH BOX 15MM
20316BB	WRENCH BOX 16MM
20317BB	WRENCH BOX 17MM
IT-Pouch	Tool Pouch



Tool Kits

OEL PART#	DESCRIPTION	
ERK - ELECTRICIAN KIT 9PCS		
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"	
30833	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 3"	
30836	SCREWDRIVER PHILLIPS #1 X 3"	
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"	
66-156	SCREWDRIVER PHILLIPS #2 X 4"	
5008	PLIER DIAGONAL HEAVY DUTY 7"	
5030	PLIER LINESMAN 9"	
5018	PLIER NEEDLE NOSE, WITH CUTTER 7"	
67-901	PLIER ELECTRICIAN'S STRIPPER/CUTTER/CRIMPER 8.5"	
IT-Pouch	TOOL POUCH	
25921 - NUT DRIVER 3" SET 7PCS		
30802	NUT DRIVER 3/16" X 3"	
30804	NUT DRIVER 1/4" X 3"	
30806	NUT DRIVER 5/16" X 3"	
30807	NUT DRIVER 11/32" X 3"	
30808	NUT DRIVER 3/8" X 3"	
30809	NUT DRIVER 7/16" X 3"	
30810	NUT DRIVER 1/2" X 3"	
IT-Pouch	TOOL POUCH	
25922 - NUT DRIVER 3" SET 8PCS		
30802	NUT DRIVER 3/16" X 3"	
30804	NUT DRIVER 1/4" X 3"	
30806	NUT DRIVER 5/16" X 3"	
30807	NUT DRIVER 11/32" X 3"	
30808	NUT DRIVER 3/8" X 3"	
30809	NUT DRIVER 7/16" X 3"	
30810	NUT DRIVER 1/2" X 3"	
66-818	NUT DRIVER 9/16" X 3"	
IT-Pouch	TOOL POUCH	
25925 - NUT DRIVER 3" METRIC SET 8PCS		
66-829	NUT DRIVER 4MM X 3"	
30854	NUT DRIVER 5MM X 3"	
30856	NUT DRIVER 6MM X 3"	
30857	NUT DRIVER 7MM X 3"	
30858	NUT DRIVER 8MM X 3"	
30859	NUT DRIVER 9MM X 3"	
30860	NUT DRIVER 10MM X 3"	
30861	NUT DRIVER 11MM X 3"	
IT-Pouch	TOOL POUCH	
23871 - SCREWDRIVER SET 6PCS		
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"	
30839	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 4"	
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"	
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"	
30836	SCREWDRIVER PHILLIPS #1 X 3"	
66-156	SCREWDRIVER PHILLIPS #2 X 4"	
IT-Pouch	TOOL POUCH	



Tool Kits

OEL PART#	DESCRIPTION
23869 - SCREWDRIVER SET 8PCS	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
30840	SCREWDRIVER CABINET TIP SLOTTED 1/4" X 7"
30839	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 4"
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
30843	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 8"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
IT-Pouch	TOOL POUCH
23870 - SCREWDRIVER SET 10PCS	
66-253	SCREWDRIVER CABINET TIP SLOTTED 1/8" X 3"
30840	SCREWDRIVER CABINET TIP SLOTTED 3/16" X 8"
30839	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 4"
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
30843	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 8"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
66-158	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 12"
30838	SCREWDRIVER PHILLIPS #3 X 6"
IT-Pouch	TOOL POUCH
23800 - SCREWDRIVER SET 8PCS	
30833	SCREWDRIVER CABINET TIP SLOTTED 3/16" X 3"
30840	SCREWDRIVER ROUND BLADE SLOTTED 1/4" X 7"
30841	SCREWDRIVER ROUND BLADE SLOTTED 5/16" X 6"
66-205	SCREWDRIVER SQUARE BLADE SLOTTED 3/16" X 6"
30843	SCREWDRIVER SQUARE BLADE SLOTTED 3/8" X 8"
30836	SCREWDRIVER PHILLIPS #1 X 3"
66-156	SCREWDRIVER PHILLIPS #2 X 4"
30838	SCREWDRIVER PHILLIPS #3 X 6"
IT-Pouch	TOOL POUCH



Telecom Tool Supplies

10" X 200' Fiber "Fish Paper" Roll
SKU: OEL-FR10X200



1" X 1-3/4" Flame-Retardant Cable "D" Tag
SKU: OEL-145D-W
Sold in qty of 100



ESY-1 Roll
Class 0 Insulating Roll Blanket
flexible to -40° F/C.
Roll is 3'W x 30'L
Yellow Color



1" X 1-3/4" Nylon Cable "D" Tag
SKU: FIBER TAG D
Sold in qty of 100



"Heavy Duty" Cable Lacing Needle
Sku: R3209L



NO-OX-ID
SKU:
5 Gal Bucket R3266L1-5G
Tube R3266L1

**Waxed 9ply
Lacing Cord**
SKU: Twine9-ST
548 feet per roll





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