

METAL SHAPES



A Complete Line of Metal Products for Residential and Commercial Applications

National Hardware's line of metal shapes and accessories is used in completing a wide variety of residential, commercial and industrial projects. The line of shapes includes metal bars, sheets, tubing, angles, plates, rods and channels. Available in a variety of materials, including aluminum, plain steel, galvanized steel, zinc-plated steel, oiled steel, brass and stainless steel, National Hardware's metal shapes are engineered and tested to meet or exceed industry standards for quality and safety. Whether repairing farm equipment, constructing a sky scraper or creating a work of art, National Hardware has the right components for any project you may be working on.

For additional information about specific metal shapes products, please refer to the National Hardware price book.



METAL SHAPES

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Aluminum

Available in mill and anodized finishes, aluminum has a wide variety of uses and benefits. It is weather resistant, light weight, easy to bend, machine, cut or drill and can be formed into a multitude of shapes. Aluminum is used in residential applications as well as in the construction, automotive, marine, and transportation industries.

Features & Benefits

- Aluminum is light weight, yet extremely strong, withstanding heavy pressure and loads.
- Anodized aluminum is weather resistant great for construction or other structures that are exposed to the elements.
- Aluminum can be bent or formed into a multitude of shapes.



RECTANGULAR BARS

Reinforcement, base plates, and repair projects.

Thickness	Width Range	Length Range
1/16" - 1/4"	1/2" - 2"	36" - 96"



ALUMINUM SHEETS

Duct work, flashing, gutters and repair projects.

Thickness	Width Range	Length Range
.020100	18" - 48"	6" - 36"



ALUMINUM SQUARE TUBES

Fencing, handrails, frame work and gate:

i choniy, nanarana, name work ana gates.		
Thickness	Width Range	Length Range
1/16"	3/4" - 1"	36" - 96"



ALUMINUM ROUND TUBES

Fencing, handrails, frame work and gates.

Thickness	Diameter Range	Length Range
1/16"	1/2" - 1 1/4"	36" - 96"



ALUMINUM ANGLES

Trim work, frame work and reinforcement projects.

Thickness	Width Range	Length Range
1/16" - 1/6"	3/4" - 2"	36" - 96"



ALUMINUM ROUND RODS

Axles, hanging, and hobby projects.

Thickness	Diameter Range	Length Range
-	1/4" - 1/2"	36" - 96"



ALUMINUM CHANNELS

Trim work, frame work and reinforcement projects.

Thickness	Width Range	Length Range
1/16"	1/4" - 3/4"	48" - 96"



Plain Steel

Plain steel is used for forming and welding in industrial and commercial applications, including construction of buildings, appliances, cars, roads, railways and other infrastructure. We offer hot- or cold-rolled steel depending on the application. Cold-rolled steel is used widely in the art community and is considered the metal of choice for many modern sculptors. Cold rolled products have a higher yield strength, hardness and tighter specification than hot rolled steel.

Features & Benefits

- Considered one of the strongest metals in terms of application.
- Smooth finish must be protected by a coating to prevent rusting.
- Used often in metal sculpture and other creative projects.



HOT-ROLLED STEEL ANGLES

Building tables, workbenches, support frames, equipment stands, repair work, and construction applications where strong support is needed.

Meets ASTM A36.

Thickness	Width Range	Length Range
1/8" - 1/4"	1/2" - 2"	36" - 72"



HOT-ROLLED STEEL CHANNELS

Building tables, workbenches, support frames, equipment stands, repair work, and construction applications where strong support is needed.

Thickness	Width Range	Length Range
1/8"	1" - 2"	36"



HOT-ROLLED EXPANDED STEEL SHEETS

Used for machinery guards, screen door protectors, as well as ventilated motor housings.

Thickness	Width Range	Length Range
13 - 18 Gauge	12" - 32"	12" - 24"



COLD-ROLLED STEEL SHEETS

General purpose steel sheet for commercial and industrial applications. Easily formed and welded and suitable for painting and plating.

Meets ASTM A1008.

Thickness	Width Range	Length Range
16 - 22 Gauge	18" - 24"	6" - 24"



TREAD PLATE SHEET

Steel plate for use in building steps, cargo boxes, running boards, etc.

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Thickness	Width Range	Length Range
14 Gauge	12" - 24"	24"
18 Gauge flat plate		





HOT-ROLLED STEEL SQUARE STOCK

General purpose steel product. Not intended for structural applications. Meets ASTM A36.

Thickness	Width Range	Length Range
1/2"	1/2"	48"



HOT-ROLLED RECTANGULAR FLATS

Designed as supports for construction or industrial applications. Product families 4062 and 4063 meet ASTM A1011. Product Family 4064 meets ASTM A36.

Thickness	Width Range	Length Range
1/8" - 1/2"	1/2" - 3"	36" - 72"



REBAR

Used in foundation construction, concrete forms and post reinforcement. Meets ASTM A305.

Size	Diameter Range	Length Range
#4	1/2"	24" - 72"



HOT-ROLLED STEEL ROUND TUBES

General purpose steel tube for commercial and industrial applications. Tubing seam is electric-resistance welded. Meets ASTM A513.

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Thickness	Diameter Range	Length Range
16 Gauge	1/2" - 1"	36" - 48"



HOT-ROLLED STEEL SQUARE TUBES

General purpose steel tube for commercial and industrial applications. Frames, railings, truck racks and gates. Meets ASTM A513.

and gates. Meets ASTM ASTS.		
Thickness	Width Range	Length Range
16 Gauge	1/2" - 1-1/4"	36" - 72"



HOT-ROLLED STEEL SMOOTH RODS

Braces, supports, shafts and axles. Meets ASTM A510.

Thickness	Diameter Range	Length Range	
-	1/4" - 3/4"	36" - 72"	



COLD-ROLLED STEEL SMOOTH RODS

Fencing, supports, railing, sign posts and frame work. Meets ASTM A510.

Thickness	Diameter Range	Length Range
_	1/8" - 1"	12" - 72"



Galvanized Steel

Galvanized steel is metal that is treated with a high quality galvanized coating to create a rust and corrosion-resistant surface. Ideal for building structures that require the ability to withstand constant exposure to the elements, durable galvanized steel has been used for more than a century and continues to be one of the most popular building materials used today.

Features & Benefits

- Ideal for most residential and industrial projects.
- Galvanized steel can be drilled and bolted for heavy-duty use.
- Great for metal surfaces that are frequently exposed to the elements.
- Combine slotted and solid steel flats and angles together to create work benches, stands, tables or other framework.
- Galvanized threaded rod meets building codes for coastal building applications.



SLOTTED STEEL ANGLES

Mounting garage door openers, tables, workbenches, and applications where support is needed.

Thickness	Width Range	Length Range
0.047" - 0.074"	1-1/4" - 2-1/4"	12" - 96"



PERFORATED TUBES

Used for building frames, tables, workbenches and sign posts.

Thickness	Width Range	Length Range
0.074"	1" - 1-3/4"	36" - 72"



SLOTTED STEEL RECTANGULAR FLATS

Designed for hanging or bracing. Holes are punched to match when used with slotted angles.

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Thickness	Width Range	Length Range
0.074"	1-3/8" - 2-3/16"	36" - 72"



SOLID STEEL ANGLES

Can be used in construction and other repair applications where a strong support and weather resistance is needed.

	-		
Thickness		Width Range	Length Range
12 Gauge		3/4" - 1-1/4"	36" - 72"



SOLID STEEL RECTANGULAR BARS

Reinforcement, base plates and repair projects.

Thickness	Width Range	Length Range
12 Gauge	3/4" - 1-1/4"	36" - 72"



GALVANIZED STEEL SHEETS

Can be formed without flaking or peeling. Meets ASTM A653.

Thickness	Width Range	Length Range
26 - 28 Gauge	18" - 30"	12" - 30"



GALVANIZED THREADED RODS

For hanging, connecting, clamping and supporting in plumbing, heating electrical and marine projects. Meets ASTM A153 and ASTM A307.

Thickness	Diameter Range	Length Range
-	3/8" - 3/4"	12" - 72"



Zinc-Plated Steel

Zinc-plated steel rods can be cut, drilled and shaped for residential or industrial construction. Ideal for connecting, clamping or supporting, zinc-plated steel can be used in numerous applications. Zinc plating is more resistant than plain steel to rust and corrosion.



THREADED STEEL RODS

For hanging, connecting, clamping and supporting in plumbing, heating, electrical and do-it-yourself projects. Available in course thread, fine thread and metric sizes. Meets ASTM A307.

Thickness	Diameter Range	Length Range
-	#6 - 1"	12" - 120"



SMOOTH STEEL RODS

For use as axles, shafts and supports.

Thickness	Diameter Range	Length Range
_	1/4" - 1"	36 - 72"



SQUARE KEY STOCK

Designed as a wedge or locking device in shaft keyways to transmit the torque in motors or machines.

Thickness	Width Range	Length Range
_	1/8" - 1/2"	12"



Oiled Steel

Oiled steel rods are heat treated to meet a minimum tensile strength of 125 ksi. Meets ASTM A193, Grade B7. Oiled for rust resistance while permitting welding. For connecting or clamping where high strength is needed.



HEAT TREATED STEEL RODS

For bolting valves, flanges and fittings of high pressure/temperature.

Thickness	Diameter Range	Length Range
_	1/4" - 5/8"	36"

Brass

Solid brass is rust and corrosion resistant and can be used in areas where moisture is present. Brass can be used in plumbing, heating, electrical and a variety of other applications.



BRASS THREADED RODS

For hanging, connecting, clamping and supporting in plumbing, heating, electrical and do-it-yourself projects.

Thickness	Diameter Range	Length Range
	#C E/1C"	10"



SMOOTH BRASS RODS

For hobby, craft and marine projects.

-		
Thickness	Diameter Range	Length Range
-	1/8" - 1/4"	36"



Stainless Steel

Stainless steel is the most effective metal in resisting corrosion, rust and staining. It is considered a low maintenance metal, making it ideal for a variety of applications. Stainless steel is used in building construction for both practical and aesthetic reasons.

Features & Benefits

- Most used where both the properties of steel and resistance to corrosion are required.
- Stainless steel is especially suitable for marine and outdoor projects where maximum rust and corrosion resistance is required.



STAINLESS STEEL THREADED RODS

For hanging, connecting, clamping and supporting in plumbing, heating, electrical and do-it-yourself projects. Especially suitable for marine and other outdoor applications.

18-8 Alloy stainless steel.

Thickness	Diameter Range	Length Range
_	#10 - 3/4"	36"



STAINLESS STEEL SMOOTH RODS

For braces, supports and axles.

Thickness	Diameter Range	Length Range
_	1/8" - 3/16"	36"



COUPLERS FOR THREADED RODS

For connection two peices of threaded rod. Larger couplers come with "witness holes" to confirm rods are threaded together completely. Available in course thread, fine thread and zinc, galvanized finishes.

Thickness Diameter Range Length Range

#10 - 1"



CORNER PLATES FOR SLOTTED ANGLES

Join and brace slotted steel angles and bars.



GUSSETS FOR PERFORATED TUBES

Connect slotted and solid steel tubes, angles and bars together to create workbenches, stands, tables or other framework.



INSIDE ANGLES FOR PERFORATED TUBES

Connect slotted and solid steel tubes, angles and bars together to create workbenches, stands, tables or other framework. 14 gauge galvanized steel.



WELDABLE HINGES

Weld directly to surface. No holes or drilling needed.

Terms And Conditions Of Sale

All orders, whether solicited or written by our sales representatives or forwarded by our customers are deemed to be mere offers to purchase in accordance with these Terms and Conditions of Sale until actually accepted in writing. We reserve the right to refuse any orders as well as the right to sell or not sell to any firm at our sole discretion. The acceptance of any order is expressly made conditional upon your assent to these Terms and Conditions of Sale. We object to the inclusion of any different or additional terms or conditions, even if the same are included in your order, a contract of sale will result upon the Terms and Conditions of Sale stated herein only.



Product Warranty

Upon return of a defective product, National Hardware shall either replace the product or refund the purchase price, at our discretion, in accordance with our standard warranty. National Hardware is not responsible for incidental or consequential damages. Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

Warning

Bending, cutting or drilling metal shapes materials is hazardous. Always use appropriate protective gear and follow appropriate safety precautions.

Caution

Do not use any metal shapes materials in any application that will exceed specified safe working load for that product. Exceeding the safe working load specification may result in product failure causing serious personal injury or death.







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Designed & Manufactured by

D&D Technologies



Premium Grade Polymer Gate Hardware









Introduction

Stanley-National Hardware has been a leading manufacturer of gate hardware for more than a century. Over the course of the last 160-plus years, Stanley-National is a name that has become synonymous with quality, innovation, and customer service.

Now, as we move into a brand new century, Stanley-National Hardware is combining its legacy of manufacturing gate hardware products with its forward-looking innovation to introduce a brand new segment of the category — highest quality polymer gate hardware.

Partnering with the industry leader, D&D Technologies of Australia, Stanley-National will roll out a line of top quality polymer gate products, including latches, hinges and locks. Polymer gate hardware products are virtually indestructible and designed for today's upscale fence, gate and security applications.

Polymer gate hardware products offer consumers the quality and performance of state-of-the-art innovation. With a lifetime warranty, polymer gate products are rust-proof and corrosion-proof. You can be assured that Stanley-National polymer gate products will not:

Bind / Sag / Stain / Fade / Rust / Chip / Bend out of Shape

All D&D products come with stainless steel fasteners and are quick and easy to install. All products fit left-hand, right-hand, in-swing and out-swing gates.

When retail customers are deciding whether to place the Stanley-National line of polymer gate hardware products in their stores, they can be assured that they are buying the real thing. These are not knock-off items or cheap imitators; these are the genuine products manufactured only by D&D Technologies. Our customers will have an exclusive line of top quality products to promote.

Polymer gate hardware is the next step in Stanley-National's evolutionary process of bringing innovative products to market. Once again, Stanley-National Hardware rises above the crowd to lead the way in new product introductions.

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*MagnaLatch, LokkLatch, TruClose, KwikFit and of are trademarks of D&D Group Pty Ltd, are registered in USA and elsewhere.

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D[®] MAGNA**Latch**[®]

MagnaLatch Top Pull — The World's #1 Child Safety Gate Latch

MagnaLatch™ safety gate latches are a revolutionary breakthrough in latching for any gate where child safety is a concern.

Powered by strong "permanent magnets" which never lose power, these quality latches incur no mechanical interference to closure and so offer unprecedented reliability, safety and child resistance.

The Top Pull model is ideal for pool & child safety gates and can be used to ensure the latch release knob is mounted at code-required height (typically 54") on shorter gates.





FEATURES AND BENEFITS

- Patented magnetic self-latching mechanism ensures no mechanical jamming during closure
- Ultra-strong polymers & stainless steel components will never rust, bind or stain!
- ullet Horizontally & vertically adjustable during or after installation
- Meets most international pool safety codes
- Key lockable for added peace of mind
- Won't disengage from shaking & pulling
- Tested to over 400,000 cycles for unprecedented reliability and safety
- Limited Lifetime Warranty

SPECIFICATIONS – MagnaLatch Top Pull

Materials Aluminum, engineering-grade polymers and stainless steel

Applications - Pool fences and safety gates

- Any gate that prevents toddlers from accessing hazardous areas and

keeps pets from escaping

Fence Material Metal, wood, vinyl

Size 20-1/2"H x 3-3/8"W (520mm x 86mm)

Adjustability Vertical: 1-1/2" (38mm)

Horizontal: 1/2" to 1-7/16" (13-37mm) Spacer: Up to 2" (51mm) horizontal adjustment using included spacer

Ideal Gate Gap 3/4" (19mm)

Cycle Rating Tested to over 400,000 cycles

Warranty Limited Lifetime Warranty

Package Contents - (1) Latch & Striker bodies

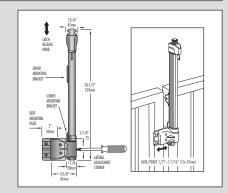
(2) Mounting brackets(3) Post cap spacers

- (11) # 10 screws - (2) Keys

- (1) 2" (51mm) Gap Spacer

When used in a swimming pool or spa application, the Top Pull model should be used on gates that are 4 feet (1220mm) or higher. Consult your local authorities for pool and spa fencing codes.

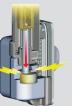




Latch release knob sits out of reach of toddlers

> Key-lockable for added peace of mind-Key Blank reference: LF18 or LF31R

Side fixing legs for accurate alignment and added fixing strength. Reduces installation time.



Permanent magnets never lose strength and are sealed from the elements to prevent corrosion

MagnaLatch Top Pulls and Vertical Pulls are keyed alike.

> Vertical & horizontal adjustment makes installation easy and overcomes future gate misalignment from ground settling

PRODUCT DETAILS

Stanley	National	Stanley	National	Product Description	Units/Pack	Stanley	National
Class #	Class #	Stock #	Stock #			UPC	UPC
CD6207	V6207	S836-205	N346-551	MagnaLatch, Magnetic Child Safety Gate Latch	1	033923836203	038613346550



Vertical adjustment



Latches





Key-lockable for





MagnaLatch Vertical Pull

MagnaLatch[™] safety gate latches are a revolutionary breakthrough in latching for any gate where child safety is a concern.

Powered by strong "permanent magnets" which never lose power, these quality latches incur no mechanical interference to closure and so offer unprecedented reliability, safety and child resistance.

The Vertical Pull model is designed for safety gates of 5 feet or higher and offers a styling choice to the consumer.

It's also great for protecting pets as it won't disengage from shaking.







The MagnaLatch allows for easy horizontal and vertical adjustment with just a turn of a screwdriver. It can be adjusted at any time during or after installation. This feature compensates for ground settling and gate movement that may occur over time. The adjustability of MagnaLatch ensures the gate will continue to operate properly long after installation.

FEATURES AND BENEFITS

Prevents pets

from escaping

- Patented magnetic self-latching mechanism ensures no mechanical jamming during closure
- Ultra-strong polymers & stainless steel components will never rust, bind or stain!
- Horizontally & vertically adjustable during or after installation
- Meets most international pool safety codes
- Key lockable for added peace of mind
- Won't disengage from shaking & pulling
- Tested to over 400,000 cycles for unprecedented reliability and safety
- Limited Lifetime Warranty

SPECIFICATIONS – MagnaLatch Vertical Pull

Materials Aluminum, engineering-grade

polymers and stainless steel

- Pool fences and safety gates **Applications** 5 foot or taller

- Any gate that prevents toddlers

from accessing hazardous areas and keeps pets from escaping.

Fence Material Metal, wood, vinyl

Size 10-1/4"H x 3-3/8"W (260mm x 86mm)

Vertical: 3/4" (19mm) Adjustability

> Horizontal: 1/2" to 1-7/16" (13-37mm) Spacer: Up to 2" (51mm) horizontal adjustment using included spacer

Ideal Gate Gap 3/4" (19mm)

Tested to over 400,000 cycles Cycle Rating

Limited Lifetime Warranty Warrantv

Package Contents - (1) Latch & Striker bodies

- (2) Mounting brackets - (3) Post cap spacers

- (11) # 10 screws

- (2) Keys

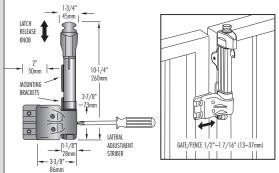
- (1) 2" (51mm) Gap Spacer

LF18 or LF31R Side fixing legs for accurate alignment and added fixing strength. Reduces installation time. MagnaLatch Top Pulls keyed alike.

added peace of mind Key Blank reference:

and Vertical Pulls are

Permanent magnets never lose strength and are sealed from the elements to prevent corrosion



When used in a swimming pool or spa application, the Vertical Pull model should be used on gates that are 5 feet (1524mm) or higher. Consult your local authorities for pool and spa fencing codes.

Vertical & horizontal adjustment makes installation easy and overcomes future gate misalignment from ground settling



PRODUCT DETAILS

Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6207	V6207	S836-197	N346-544	MagnaLatch, Magnetic Safety Gate Latch	1	033923836197	038613346543













Side Pull General Purpose Magnetic Gate Latch

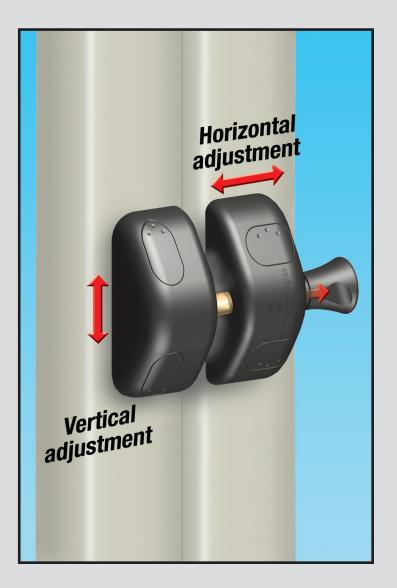
The MagnaLatch™ Side Pull Model is the ideal choice for general-purpose walk gates.

Powered by super-strong "permanent magnets" that never lose their power, these quality latches have no mechanical interference to closure, offering unprecedented reliability.

Made from durable polymers and stainless steel components, they will never rust, bind or stain expensive fence materials.

Permanent magnets never lose strength and are sealed from the elements to prevent corrosion

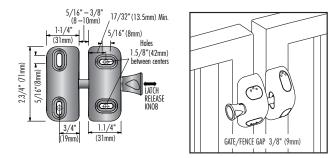




SPECIFICATIONS — General Purpose Magnetic Gate Latch

Materials	Engineering-grade polymer and stainless steel
Applications	General-purpose gates
Fence Material	Metal, wood, vinyl
Size	2-3/4"H x 2-1/2"W (71mm x 64mm)
Adjustability	Horizontal: 3/8" to 3/4" (10mm to 19mm)
Ideal Gate Gap	3/8" (10mm)
Cycle Rating	Tested to over 400,000 cycles
Warranty	Limited Lifetime Warranty
Package Contents	- (1) Latch Body & Keeper - (4) Dress Caps - (4) # 10 screws

When used on picket style gates that lead to a swimming pool or spa, a compliant shield must be used to prevent latch access by toddlers. Consult your local authorities for pool and spa fencing codes.



Fits in-swing, out-swing, left-handed and righthanded gates.



The MagnaLatch Side Pull model allows for easy horizontal and vertical adjustment with just a turn of a screwdriver. It can be adjusted up to 3/8" (10mm) at any time during or after installation. This feature compensates for ground settling and gate movement that may occur over time. The adjustability of MagnaLatch ensures the gate will continue to operate properly long after installation.

Dress Caps cover screw holes and add a stylish appearance

LIFESPAN LIMITED LIFETIME WARRANTY

FEATURES AND BENEFITS

- Patented magnetic latching mechanism ensures no mechanical jamming during closure
- Ultra-strong polymers & stainless steel components will never rust, bind or stain!
- Horizontally & vertically adjustable during or after installation
- ullet Won't disengage from shaking & pulling
- Stylish Dress Caps included
- Limited Lifetime Warranty

PRODUCT DETAILS

Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6205	V6205	S836-189	N346-536	MagnaLatch, General Purpose Magnetic Gate Latch	1	033923836180	038613346536

oxdots













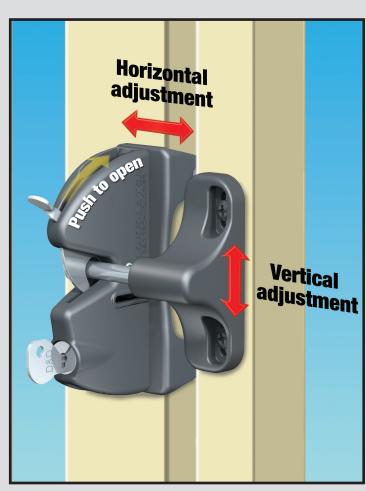


Key Lockable Gate Latch

For use on general-purpose gates, the key-lockable LokkLatch™ is hard to beat.

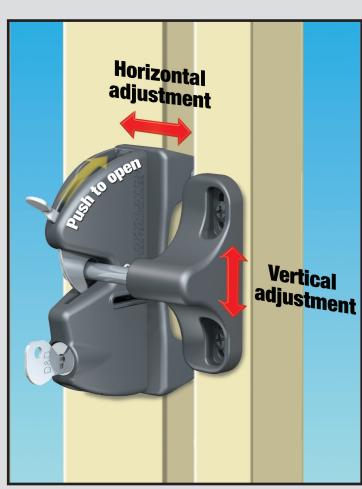
It offers a higher degree of versatility, with up to 1/2" (13mm) of vertical adjustment and horizontal adjustment for gate gaps of 3/8" - 1 3/8" (10mm - 35mm) available any time during or after installation.

The one model fits metal, wood and vinyl gates. Like all D&D products, the LokkLatch works on in-swing, out-swing, right-handed and left-handed gates.



FEATURES AND BENEFITS

- Ultra-strong polymers & stainless steel components will never rust, bind or stain!
- Horizontally & vertically adjustable during or after installation
- Key lockable for added security
- Easy installation saves you time and money
- Low maintenance
- For use on metal, wood and vinyl gates
- Limited Lifetime Warranty



SPECIFICATIONS — LokkLatch Key Lockable Gate Latch

Engineering-grade Materials polymers and stainless steel General purpose gates **Applications** Fence Material Metal, wood, vinyl Size 4-9/16"H x 2-1/16"W (115mm x 53mm) **Adjustability** Vertical: 1/2" (13mm)

Horizontal: 3/8" to 1-3/8" (10-35mm)

3/4" (19mm) Ideal Gate Gap

Limited Lifetime Warranty Warranty

Package Contents - (1) Latch Striker and Keeper

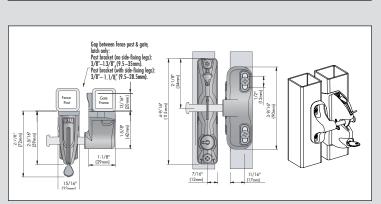
- (1) Mounting bracket (metal)

- (1) Mounting bracket (wood, vinyl)

- (2) Keys

- (8) # 10 Screws

- (1) Bracket screw



Quick and easy to install Side fixing legs for accurate alignment and added strength. Reduces installation time.



Key-lockable for added security. All LokkLatches are keyed alike. Key Blank reference: LF18 or LF31R

Horizontally and vertically adjustable. Compensates for gate sag.



PRODUCT DETAILS

	0500.	5 2 17 1120					
Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6201	V6201	S836-163	N346-494	LokkLatch, Key Lockable Gate Latch	1	033923836166	038613346499











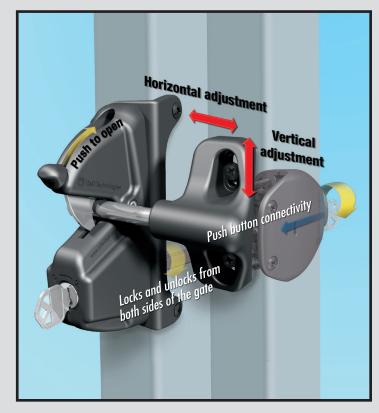
Dual Access Lockable Gate Latch

LokkLatch™ DELUXE is a heavy duty gravity latch designed for privacy and security gates. Its super-strong polymers and marine grade stainless steel components make it an ideal gate latch for security conscious consumers and light commercial applications.

Its dual, 6-pin lock cylinders can be re-keyed to match other locks at the home, apartment or commercial property. They can also be master-keyed for maximum convenience.

Lokklatch DFLUXF can be locked and unlocked from both sides of the gate. No more running around to the other side of the gate to unlock the padlock or unsightly pull strings - talk about convenient!

Side fixing legs not only make the LokkLatch DELUXE easy to install, they add exceptional strength and improve tamper resistance.



FEATURES AND BENEFITS

- Locks and unlocks from both sides of gate
- Ultra-strong engineering polymers and stainless steel components
- Will never rust, bind or stain expensive fence material
- Horizontally & vertically adjustable during or after installation
- Dual, rekeyable 6-pin locks for added security
- Drill only one hole through post
- Side fixing legs deliver an easy installation and superior strength
- Fits fence posts up to 6" deep
- Tested to 200,000 cycles
- Limited Lifetime Warranty

SPECIFICATIONS – Dual Access Lockable Gate Latch

Materials Engineering-grade polymers and marine grade stainless steel

Applications Privacy and security gates

Fence Material Metal, wood, vinyl

Size 5-7/8"H x 4-3/8"W (149mm x 112mm)

Adjustability Vertical: 1/2" (13mm)

Horizontal: 3/8" to 1-1/2" (10-38mm)

Ideal Gate Gap 1" (25mm)

Cycle Rating Tested to 200,000 cycles

Warranty **Limited Lifetime Warranty**

LATCH Package Contents

- (1) Latch/Lock and striker

- (1) Mounting bracket

- (3) Mounting bracket screws - (1) Tube for Vinyl (PVC) gates

- (2) Push rods (one as a back-up)

- (12) # 10 screws - (1) Fitting Jig

- (2) Keys

EXTERNAL ACCESS KIT

- (1) Push button/lock assembly
- (1) Alignment guide/bracket
- (1) Housing/shroud

Horizontally adjustable. for gate sag.

Side fixing legs for accurate alignment and vertically and added strength. Reduces installation Compensates time and improves tamper resistance.

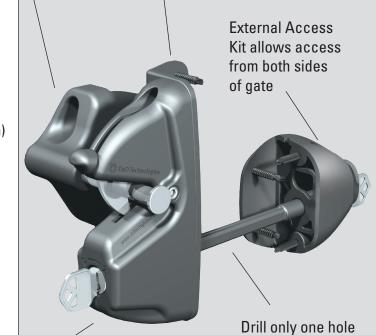


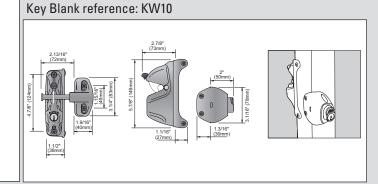
through fence post.

package to ensure

accuracy.

Fitting jig included in





6-pin locks can be re-keyed to

match other household locks.

All LokkLatch DELUXE are

keved differently.

PRODUCT DETAILS

Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6203	V6203	S836-171	N346-528	LokkLatch DELUXE, Dual Access Lockable Gate Latch	1	033923836173	038613346259







Hinges





© KwikFit™

General Purpose Gate Hinge

KwikFit[™] gate hinges are the perfect choice for gates where self-closing is not required.

Made with super-strong engineering polymers and stainless steel components, KwikFit hinges won't rust, bind, sag or stain.

They feature unique side fixing legs that make it easy to align the hinges, reducing installation time. They also provide added strength.



FEATURES AND BENEFITS

- Ultra-strong polymers & stainless steel components —will never rust, bind, sag or stain!
- Economical and durable
- Self-lubricating polymers
- Plain-pivoting hinges for general purpose gates
- Self Aligning legs quick & easy installation
- Limited Lifetime Warranty

SPECIFICATIONS – General Purpose Gate Hinge

Materials Engineering-grade

polymers and stainless steel

Applications General-purpose gates

Fence Material Metal, wood, vinyl

Size 4-5/16"H x 3-1/4"W

(110mm x 83mm)

Gate Gap Variance 3/4" (19mm) fixed

Cycle Rating Tested to 50,000 cycles

Maximum

gate weight 100 lb (45kg)

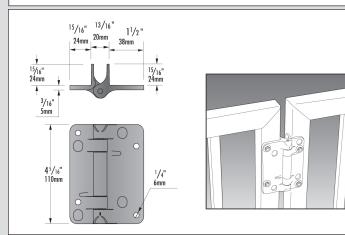
Maximum 375 lb (170kg)

Gate Load

Warranty Limited Lifetime Warranty

Package Contents - (2) Hinges

- (16) #10 screws



Stainless steel hinge pin and polymer construction means no rust!

Side fixing legs add strength and make fitting hinges quick and easy



Self-lubricating polymers won't rust, bind or sag Economical plain-pivot design (no spring)

LIFESPAN UMITED LIFETIME WARRANTY

PRODUCT DETAILS

Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6210	V6210	S836-213	N346-569	Kwik Fit, General Purpose Gate Hinge	2	033923836210	038613346567





Hinges





D&D Technologies

TruClose Self-

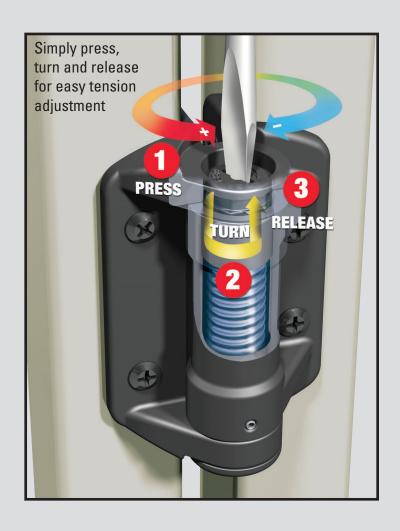
ADJUSTABLE, SELF-CLOSING GATE HINGES

Self-Closing Gate Hinge

Tru-Close[™] hinges are self-closing and tension adjustable. Made from engineering polymers and stainless steel components, they will never rust, bind or stain expensive fence materials. D&D's unique blend of polymers is self-lubricating and UV resistant.

TruClose regular range hinges are suitable for self-closing gates up to 55 lb (25kg), with a maximum temporary gate load of up to 450 lb (205 kg). The polymers used have a memory, so if a temporary load is applied the hinge will return to its original shape.

All feature the patented TruClose easy tension adjustment mechanism, ensuring your gate closes first time, every time.





TruClose Self-Closing Hinge for metal gates



TruClose Self-Closing Hinge for vinyl/ wood gates



TruClose Self-Closing Hinge Decomold for wood/ vinyl gates

FEATURES AND BENEFITS

- Patented adjustable self-closing mechanism ensures your gate closes first time, every time
- Ultra-strong polymers & stainless steel components will never rust, bind, sag or stain!
- Tested to 75,000 cycles for unprecedented reliability and safety
- Self-lubricating and UV-stabilized
- Limited Lifetime Warranty

TruClose Self-Closing Gate Hinge SPECIFICATIONS for Metal Gates

Materials Engineering-grade

polymers and stainless steel

Applications General purpose self-closing hinges - great for pool gates, child

safety gates and pet enclosures

Fence Material Aluminum, steel

3-3/16"H x 2-1/2"W (97mm x 64mm) Size

1/4" to 7/8" (6-22mm) Gate gap variance

Ideal gate gap 3/4" (19mm)

Maximum

self-closing weight 55 lb (25kg)

Maximum Gate Load 450 lb (205kg)

Cycle Rating Tested to 75,000 cycles

Limited Lifetime Warranty Warranty

- (2) Hinges Package Contents - (8) #10 screws

Alignment ridges ensure proper positioning and alignment.

Closing Narrow Hinge for metal gates

Will not rust, bind, sag or stain expensive fence materials

Patented tension adjustment is safe and easy. No special pins or tools required.

Stainless Steel internal spring

LIFESPAN

PRODUCT DETAILS

Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6212	V6212	S836-221	N346-577	Tru-Close Self-Closing Gate Hinge For Metal Gates	2	033923836227	038613346574





Designed & Manufactured by

D*

D&D Technologies

Hinges





SPECIFICATIONS – TruClose Self-Closing Gate Hinge for Wood and Vinyl Gates

Materials Engineering-grade

polymers and stainless steel

ApplicationsGeneral purpose self-closing hinges - great for pool gates, child

safety gates and pet enclosures

Fence Material Wood, vinyl

Size 3-9/16" H x 5-1/4" W (90mm x 134mm)

Gate gap variance 1/4" to 7/8" (6-22mm)

Ideal gate gap 3/4" (19mm)

Maximum

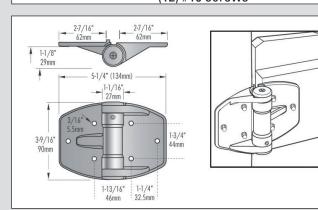
self-closing weight 55 lb (25kg)

Maximum Gate Load 450 lb (205kg)

Cycle Rating Tested to 75,000 cycles

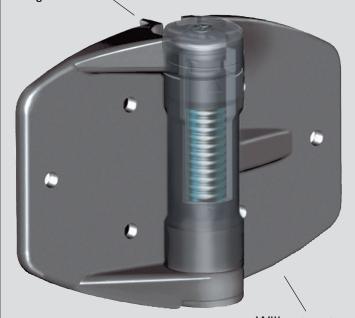
Warranty Limited Lifetime Warranty

Package Contents - (2) Hinges - (12) #10 screws



Alignment ridges ensure proper positioning and alignment.

Stainless Steel internal spring



ra wide hinge

Extra wide hinge leaves provide superior strength and support for large posts found with vinyl & wood gates Will not rust, bind, sag or stain expensive fence materials

Patented tension adjustment is safe and easy. No special pins or tools required.

LIFESPAN IMITED HEETINE WARDANTY

SPECIFICATIONS – TruClose Self-Closing T-Hinges

Materials Engineering-grade

polymers and stainless steel

Applications General purpose self-closing

hinges - great for pool gates, child safety gates and pet enclosures

Fence Material Wood, vinyl

Size 7-3/4"H x 9"W (197mm x 229mm)

Gate gap variance 1/4" to 7/8" (6-22mm)

Ideal gate gap 3/4" (19mm)

Maximum

self-closing weight 55 lb (25kg)

Maximum Gate Load 450 lb (205kg)

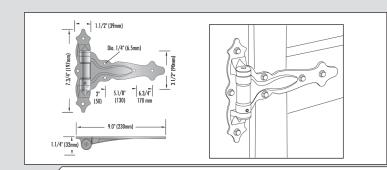
Cycle Rating Tested to 75,000 cycles

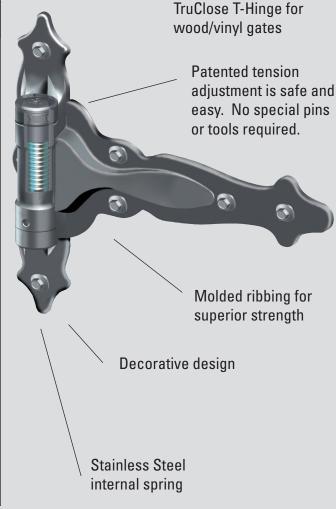
Warranty Limited Lifetime Warranty

Package Contents - (2) Hinges

PRODUCT DETAILS

- (14) #12 screws





LIFESPAN LIMITED LIFETIME WARRANTY

PRODUCT DETAILS

/							
Stanley Class #	National Class #	Stanley Stock #	National Stock #	Product Description	Units/Pack	Stanley UPC	National UPC
CD6216*	V6216	S836-247	N346-593	Tru-Close, Self-Closing Gate Hinge for Wood and Vinyl (Gates 2	033923836241	038613346598

National Stanley National **Product Description** Units/Pack Stanley National UPC Class # Stock # Stock # UPC Tru-Close Self-Closing T Hinge For Wood and Vinyl Gates CD6220* V6220 S836-254 N346-601 033923836258 038613346604







Hinges









Heavy Duty Self-Closing Gate Hinge

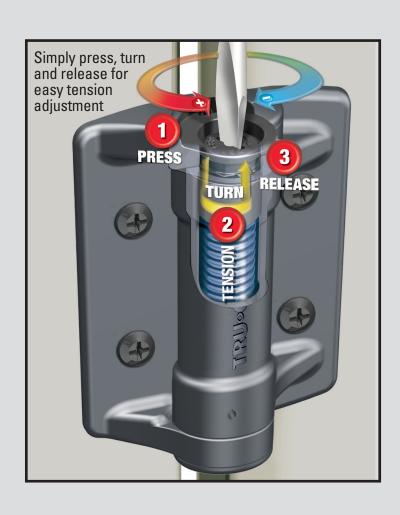
TruClose™ hinges are self-closing and tension adjustable. Made from engineering polymers and stainless steel components, they will never rust, bind, sag or stain expensive fence materials.

D&D's unique blend of polymers is self-lubricating and UV resistant.

The TruClose Heavy Duty hinge range are suitable for heavy gates and high-traffic applications. They are ideal for gates weighing up to 132 lb (60kg), with a maximum temporary gate load up to 700 lb (318kg).

Different models are available to suit wood, metal and vinyl gates.

All feature the patented TruClose easy tension adjustment mechanism, ensuring your gate closes first time, every time.



FEATURES AND BENEFITS

- Patented adjustable self-closing mechanism ensures your gate closes first time, every time
- Ultra-strong polymers & stainless steel components will never rust, bind, sag or stain!
- Tested to 200,000 cycles for unprecedented reliability and safety
- Self-lubricating and UV-Stabilized
- Limited Lifetime Warranty

SPECIFICATIONS — TruClose Heavy Duty Self-Closing Gate Hinge

Materials Engineering-grade

polymers and stainless steel

Applications Heavy pool and child safety gates.

High traffic gates and pet enclosures

Fence Material Aluminum, steel

Size 5"H x 3-1/2"W (127mm x 90mm)

Gate gap variance 1/4" to 1" (6-25mm)

Ideal gate gap 3/4" (19mm)

Maximum

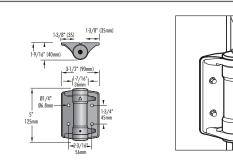
self-closing weight 132 lb (60kg)

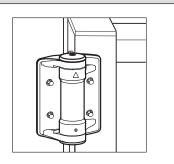
Maximum Gate Load 700 lb (318kg)

Cycle Rating Tested to 200,000 cycles

Warranty Limited Lifetime Warranty

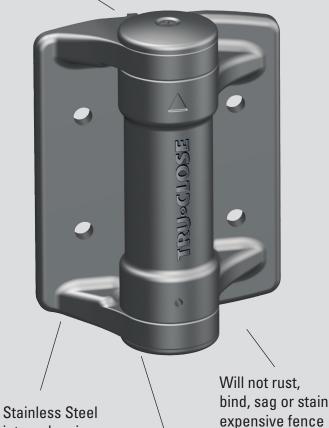
Package Contents - (2) Hinges - (8) #12 screws





Alignment ridges ensure proper positioning and alignment.

TruClose Heavy Duty hinge for metal gates



Patented tension adjustment is safe and easy – No special pins or tools required.

materials

PRODUCT DETAILS

Stanley Class #	Stanley Stock #	Product Description	Units/Pack	Stanley UPC
CD6214** **Product	S836-239 available only	Tru-Close Self-Closing Heavy Duty Gate Hinge for Metal Gates	2	033923836234

internal spring

LIFESPAN LIMITED LIFETIME WARRANTY







Hinges



Alignment ridges





TruClose Heavy Duty hinge



Self-Closing Heavy Duty Gate Hinge

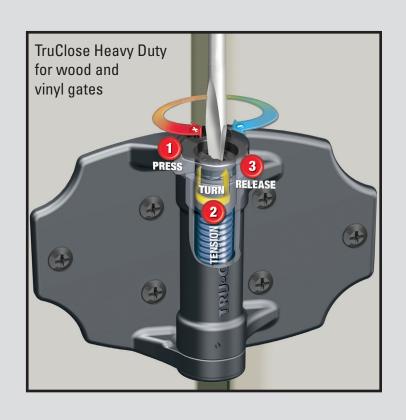
TruClose[™] hinges are self-closing and tension adjustable. Made from engineering polymers and stainless steel components, they will never rust, bind, sag or stain expensive fence materials.

Our unique blend of polymers is self-lubricating and UV resistant.

The TruClose Heavy Duty hinge range are suitable for heavy gates and high-traffic applications. They are ideal for gates weighing up to 132 lb (60kg), with a maximum temporary gate load up to 700 lb (318kg).

Different models are available to suit wood, metal and vinyl gates.

All feature the patented TruClose easy tension adjustment mechanism, ensuring your gate closes first time, every time.



3-1/16 - 3-1/16 - 78mm - 1-9/16* (40mm) 1-9/16* (40mm) 1-9/16* (40mm) 1-1/7/16* - 3.5mm 1-3/16* - 3.3/16* - 5.5mm

SPECIFICATIONS — TruClose Self-Closing Heavy Duty Gate Hinge

Materials Engineering-grade

polymers and stainless steel

Applications Heavy pool and child safety gates.

High traffic gates and pet enclosures.

Fence Material Wood, vinyl

Size 5"H x 6-15/16"W (127 x 176mm)

Gate gap variance 1/4" to 1" (6-25mm)

Maximum

self-closing weight 132 lb (60kg)

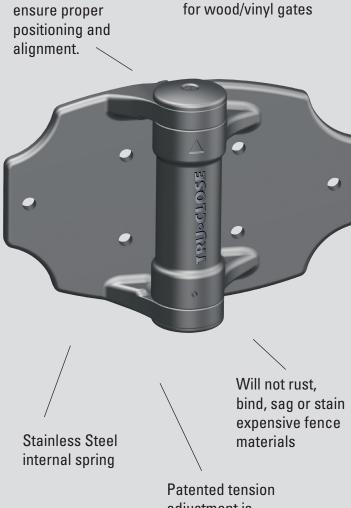
Maximum Gate Load 700 lb (318kg)

Cycle Rating Tested to 200,000 cycles

Warranty Limited Lifetime Warranty

Package Contents - (2) Hinges

- (12) #12 screws



Patented tension adjustment is safe and easy – No special pins or tools required.

LIFESPAN LIMITED LIFETIME WARRANTY

FEATURES AND BENEFITS

- Patented adjustable self-closing mechanism ensures your gate closes first time, every time
- Ultra-strong molded polymers & stainless steel components will never rust, bind, sag or stain!
- Tested to 200,000 cycles for unprecedented reliability and safety
- Self-lubricating and UV-Stabilized
- Limited Lifetime Warranty

PRODUCT DETAILS

Stanley Class #	Stanley Stock #	Product Name	Description	Units/Pack	Stanley UPC
CD6218**	S836-262	TruClose	Wide, Self-Closing Heavy Duty Gate Hinge For Wood and Vinyl Gates	1	033923836265
			nitectural Grade Brand	ı	033323















HARDWARE



Stanley-National is proud to introduce a set of screen and storm products that complete the

> already successful collection, making Stanley-National Hardware a true single source for the entire category.

New mortise lock sets, lever latches, patio handles, door closers, accessories and more are available in contemporary

designs and finishes and have been carefully chosen to provide a comprehensive, easy-toimplement program.

To support this program, we offer pre-designed, 2' and 4' power plan-o-grams in both Stanley and National brands. These can be used for both

new stores or competitive displacement. In addition, Uni-Racks and Panel Boards are available to add new items to an existing set while maintaining the uniformity and integrity of the display and the brand.

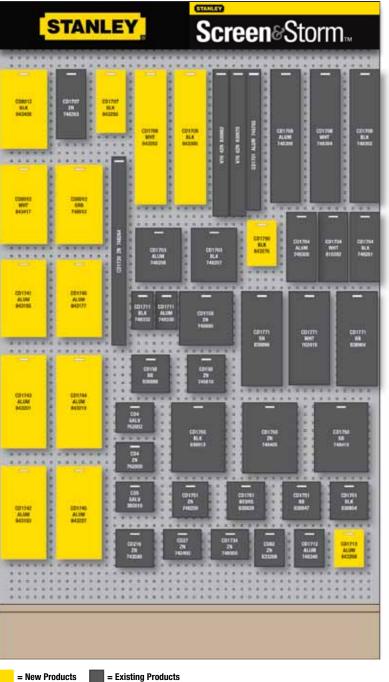
Finally, the Screen & Storm expansion will carry the LIFESPAN™ limited lifetime warranty along with packaging enhancements that include competitive product replacement data.



PLAN-O-GRAMS

4 FT - PRODUCT ASSORTMENT





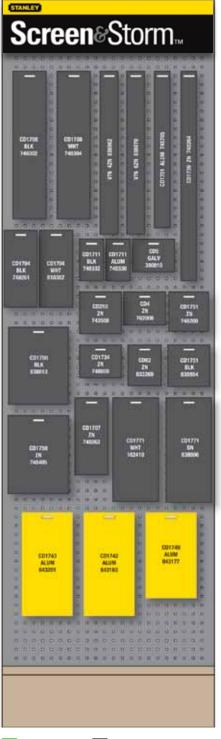
Stock #	Description	Family #	Finish	Qty
745765	Adjustable Screen Door Spring	CD1701	Aluminum	5
748300	Air-Controlled Door Closer	CD1708	Aluminum	5
748302	Air-Controlled Door Closer	CD1708	Black	5
748304	Air-Controlled Door Closer	CD1708	White	5
843250	Chain Door Stop	V1707	Black	5
748263	Chain Doorstop	CD1707	Zinc plated	5
748012	Decorative Lever	CD8012	Oil Rub Bronze	3
843409	Decorative Lever	CD8012	Black	3
843417	Decorative Lever	CD8012	White	3
843292	Door Closer - Light Duty	V1709	White	3
843300	Door Closer - Light Duty	V1709	Black	3
838862	Door Spring	V76	Zinc plated	10
838870	Door Spring	V76	Zinc plated	10
745610	Full Surface Screen Door Hinge	CD158	Zinc plated	5
838888	Full Surface Screen Door Hinge	V158	Brass	5
752002	Full Turn Button With Screws	CD4	Galvanized fin.	5
380010	Half Turn Buttons	CD5	Galvanized fin.	5
843193	Interior Patio Door Handle	V1742	Aluminum	3
843276	Keyed Pushbutton Set	V1790	Black	5
843219	Locking Patio Door Handle/Latch Set	V1744	Aluminum	3
843185	Mortised Locking Patio Door Latch	V1741	Aluminum	3
843177	Mortised Patio Door Latch	V1740	Aluminum	3
843201	Patio Door Handle/Latch Set	V1743	Aluminum	3
843227	Patio Door Latch-Inside Portion (1744)	V1745	Aluminum	3
748259	Pushbutton Latch	CD1704	Aluminum	5
748261	Pushbutton Latch	CD1704	Black	5
810382	Pushbutton Latch	CD1704	White	5
748330	Replacement Strike Plate	CD1711	Aluminum	10
748332	Replacement Strike Plate	CD1711	Black	10
843268	Rigid Strike Replacement Set	V1713	Aluminum	5
742400	Screen Corner Brace	CD27	Zinc plated	10
748264	Screen Door Brace	CD1739	Zinc plated	5
838839	Screen Door Hinge	V1751	BakEnamel	5
838847	Screen Door Hinge	V1751	Brass	5
838854	Screen Door Hinge	V1751	Black	5
748200	Screen Door Hinge	CD1751	Zinc plated	5
743500	Screen Door Holder	CD210	Zinc plated	5
162419	Screen Door Installation Kit	CD1771	White	5
838896	Screen Door Installation Kit	V1771	Satin Nickel	5
838904	Screen Door Installation Kit	V1771	Brass	5
745690	Screen Door Set	CD1158	Zinc plated	5
838813	Screen Door Set	V1750	Black	5
748405	Screen Door Set	CD1750	Zinc plated	5
748410	Screen Door Set	CD1750	Satin Brass	5
748000	Sash Hanger Pack	CD1734	Zinc plated	5
748257	Door Knob Latch	CD1703	Black	5
748258	Door Knob Latch	CD1703	Aluminum	5
748340	Sash Hanger Pack	CD1712	Aluminum	10
833269	Snap Fastener	CD82	Zinc plated	5
762000	Turn Button	CD4	Zinc plated	10



PLAN-O-GRAMS

2 FT - PRODUCT ASSORTMENT





745765	Adjustable Screen Door Spring	CD1701	Aluminum	5
748302	Air-Controlled Door Closer	CD1708	Black	5
748304	Air-Controlled Door Closer	CD1708	White	5
748263	Chain Doorstop	CD1707	Zinc plated	5
838862	Door Spring	V76	Zinc plated	10
838870	Door Spring	V76	Zinc plated	10
380010	Half Turn Buttons	CD5	Galvanized fin.	5
843193	Interior Patio Door Handle	V1742	Aluminum	3
843177	Mortised Patio Door Latch	V1740	Aluminum	3
843201	Patio Door Handle/Latch Set	V1743	Aluminum	3
748261	Pushbutton Latch	CD1704	Black	5
810382	Pushbutton Latch	CD1704	White	5
748330	Replacement Strike Plate	CD1711	Aluminum	10
748332	Replacement Strike Plate	CD1711	Black	10
748264	Screen Door Brace	CD1739	Zinc plated	5
838854	Screen Door Hinge	V1751	Black	5
748200	Screen Door Hinge	CD1751	Zinc plated	5
743500	Screen Door Holder	CD210	Zinc plated	5
162419	Screen Door Installation Kit	CD1771	White	5
838896	Screen Door Installation Kit	V1771	Satin Nickel	5
838813	Screen Door Set	V1750	Black	5
748405	Screen Door Set	CD1750	Zinc plated	5
748000	Sash Hanger Pack	CD1734	Zinc plated	5
833269	Snap Fastener	CD82	Zinc plated	5
762000	Turn Button	CD4	Zinc plated	10

PLAN-O-GRAMS

4 FT - PRODUCT ASSORTMENT





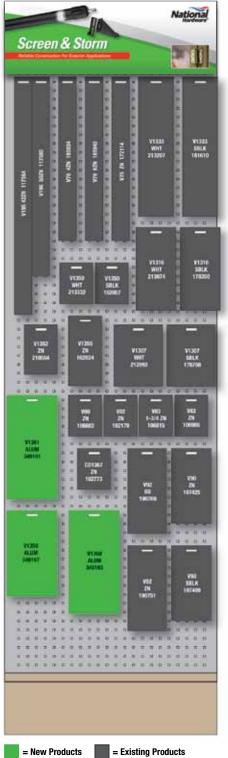
172114					
162024 Chain Door Stop	Stock #	Description	Family #	Finish	Qty
349241 Chain Door Stop V1355 Black 5 349381 Decorative Lever V1332 Black 3 349399 Decorative Lever V1332 White 3 349407 Decorative Lever V1332 Oll Rub Bronze 3 349280 Door Closer - Light Duty V1346 White 3 349280 Door Closer - Light Duty V1346 Black 3 218594 Door Spring 776 Zinc plated 5 176271 Door Spring 776 Zinc plated 1 185934 Door Spring 776 Zinc plated 10 185942 Door Spring 776 Zinc plated 10 18934 Dor Spring 776 Zinc plated 10 18934	172114	Adjustable Springs, Door & Gate	V75	Zinc plated	10
349381 Decorative Lever V1332 Black 3 349399 Decorative Lever V1332 White 3 349407 Decorative Lever V1332 Oil Rub Bronze 3 349200 Door Closer - Light Duty V1346 White 3 349290 Door Closer - Light Duty V1346 Black 3 218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring 776C Zinc plated 5 185934 Door Spring Y76 Zinc plated 10 185942 Door Spring Y76 Zinc plated 10 349183 Interior Patio Door Handle V1360 Aluminum 3 349183 Interior Patio Door Handle/Latch Set V1357 Black 5 349209 Locking Patio Door Latch V1359 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349167 Patio Door Latch V1358 Alu	162024	Chain Door Stop	V1355	Zinc plated	5
349399 Decorative Lever V1332 White 3 349407 Decorative Lever V1332 Oil Rub Bronze 3 349282 Door Closer - Light Duty V1346 White 3 349290 Door Closer - Light Duty V1346 Black 3 218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring 776 Zinc plated 5 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 5 186942 Door Spring V76 Zinc plated 10 349183 Interior Patio Door Handle V1360 Aluminum 3 349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Latch V1353 Aluminum 3 349175 Mortised Locking Patio Door Latch V1353 Aluminum 3 349191 Patio Door Latch V1353 Aluminum	349241	Chain Door Stop	V1355	Black	5
349407 Decorative Lever V1332 Oil Rub Bronze 3 349282 Door Closer - Light Duty V1346 White 3 349290 Door Closer - Light Duty V1346 Black 3 218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring V76 Zinc plated 15 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 106906 Half Turn Button V83-1/2 Zinc plated 5 349183 Interior Patio Door Handle V1360 Aluminum 3 349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349167 Mortised Door Latch V1358 Aluminum 3 349175 Mortised Door Latch V1358 Aluminum 3 349217 Patio Door Latch - Inside Portion (1363)	349381	Decorative Lever	V1332	Black	3
349282 Door Closer - Light Duty V1346 White 3 349290 Door Closer - Light Duty V1346 Black 3 218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring 778C Zinc plated 5 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 349183 Interior Patio Door Handle V1360 Aluminum 3 349163 Interior Patio Door Handle/Latch Set V1363 Aluminum 3 3492175 Mortised Patio Door Latch V1358 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch V1368	349399	Decorative Lever	V1332	White	3
349290 Door Closer - Light Duty V1346 Black 3 218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring 77BC Zinc plated 5 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 349183 Interior Patio Door Handle V1360 Aluminum 3 349183 Interior Patio Door Handle V1360 Aluminum 3 349209 Locking Patio Door Latch V1363 Aluminum 3 349175 Mortised Patio Door Latch V1363 Aluminum 3 349167 Mortised Patio Door Latch V1363 Aluminum 3 349175 Mortised Patio Door Latch V1363 Aluminum 3 349177 Patio Door Latch V1363 Aluminum 3 349217 Patio Door Latch V1360	349407	Decorative Lever	V1332	Oil Rub Bronze	3
218594 Door Closer Parts Kit V1352 Zinc plated 5 176271 Door Spring 77BC Zinc plated 5 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 106906 Half Turn Button V83-1/2 Zinc plated 5 349183 Interior Patio Door Handle V1360 Aluminum 3 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349175 Mortised Patio Door Latch V1358 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch V1316 Black 3 178368 Pushbutton Latch V1316 Black 3 178369 Pushbutton Latch V	349282	Door Closer - Light Duty	V1346	White	3
176271 Door Spring 77BC Zinc plated 5 185934 Door Spring V76 Zinc plated 10 185942 Door Spring V76 Zinc plated 10 106906 Half Turn Button V83-1/2 Zinc plated 5 349183 Interior Patio Door Handle V1360 Aluminum 3 349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349107 Mortised Locking Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349191 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch Inside Portion (1363) V1364 Aluminum 3 178368 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 180016 Replacement Strike <td>349290</td> <td>Door Closer - Light Duty</td> <td>V1346</td> <td>Black</td> <td>3</td>	349290	Door Closer - Light Duty	V1346	Black	3
185934 Door Spring V76	218594	Door Closer Parts Kit	V1352	Zinc plated	5
185942 Door Spring	176271	Door Spring	77BC	Zinc plated	5
106906 Half Turn Button V83-1/2 Zinc plated 5 349183 Interior Patio Door Handle V1360 Aluminum 3 349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349175 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch V1316 Black 3 178368 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set	185934	Door Spring	V76	Zinc plated	10
349183 Interior Patio Door Handle V1360 Aluminum 3 349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349175 Mortised Locking Patio Door Latch V1359 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1350 White 10 349258 Rigid Strike Repl	185942	Door Spring	V76	Zinc plated	10
349266 Keyed Pushbutton Set V1357 Black 5 349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349175 Mortised Locking Patio Door Latch V1359 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 349217 Patio Door Latch V1316 Black 3 178368 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1316 White 3 162067 Replacement Strike V1350 Black 10 162057 Replacement Strike V1350 White 10 1932258 Riigid Strike Replaceme	106906	Half Turn Button	V83-1/2	Zinc plated	5
349209 Locking Patio Door Handle/Latch Set V1363 Aluminum 3 349175 Mortised Locking Patio Door Latch V1359 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 White 10 149258 Rigid Strike Replacement Set	349183	Interior Patio Door Handle	V1360	Aluminum	3
349175 Mortised Locking Patio Door Latch V1359 Aluminum 3 349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1350 White 3 162016 Replacement Strike V1350 Black 10 162057 Replacement Strike V1350 Black 10 162057 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1350 White 10 349258 Rigid Strike Replacement Set V1367 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 5 192773 Screen/Storm Door Closer	349266	Keyed Pushbutton Set	V1357	Black	5
349167 Mortised Patio Door Latch V1358 Aluminum 3 349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1350 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 White 10 181605 Strike V1350 White 10 </td <td>349209</td> <td>Locking Patio Door Handle/Latch Set</td> <td>V1363</td> <td>Aluminum</td> <td>3</td>	349209	Locking Patio Door Handle/Latch Set	V1363	Aluminum	3
349191 Patio Door Handle/Latch Set V1361 Aluminum 3 349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 White 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1350 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Set V90<	349175	Mortised Locking Patio Door Latch	V1359	Aluminum	3
349217 Patio Door Latch-Inside Portion (1363) V1364 Aluminum 3 178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 Silver 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1350 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181602 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107425 Screen/Storm Door Set V90	349167	Mortised Patio Door Latch	V1358	Aluminum	3
178350 Pushbutton Latch V1316 Black 3 178368 Pushbutton Latch V1316 Silver 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 5 181602 Screen/Storm Door Closer V1333 Aluminum 3 181602 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 190751 Screen/Storm Door Set V92 Zinc plate	349191	Patio Door Handle/Latch Set	V1361	Aluminum	3
178368 Pushbutton Latch V1316 Silver 3 213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181600 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Set V90 Black 5 107409 Screen/Storm Door Set V90 Black 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass </td <td>349217</td> <td>Patio Door Latch-Inside Portion (1363)</td> <td>V1364</td> <td>Aluminum</td> <td>3</td>	349217	Patio Door Latch-Inside Portion (1363)	V1364	Aluminum	3
213074 Pushbutton Latch V1316 White 3 162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181600 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc pl	178350	Pushbutton Latch	V1316	Black	3
162016 Replacement Strike V1350 Zinc plated 10 162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 192779 Spap Fasteners V82 Zinc	178368	Pushbutton Latch	V1316	Silver	3
162057 Replacement Strike V1350 Black 10 213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Brass 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122	213074	Pushbutton Latch	V1316	White	3
213322 Replacement Strike V1350 White 10 349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Brass 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345<	162016	Replacement Strike	V1350	Zinc plated	10
349258 Rigid Strike Replacement Set V1356 Aluminum 5 106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Brass 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Button V83	162057	Replacement Strike	V1350	Black	10
106682 Screen & Storm Sash Hanger V80 Zinc plated 5 192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 117564 Turn buckles, For Screen Door	213322	Replacement Strike	V1350	White	10
192773 Screen Door Catch V1367 Zinc plated 3 181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 117564 Turn Button V83 Zinc plated 5 117879 Universal Knob Latch V1307 <	349258	Rigid Strike Replacement Set	V1356	Aluminum	5
181602 Screen/Storm Door Closer V1333 Aluminum 3 181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117580 Turnbuckles, For Screen Door V195 Zinc plated 5 178798 Universal Knob Latch V1307	106682	Screen & Storm Sash Hanger	V80	Zinc plated	5
181610 Screen/Storm Door Closer V1333 Black 3 213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307	192773	Screen Door Catch	V1367	Zinc plated	3
213207 Screen/Storm Door Closer V1333 White 3 107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 1178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 White 3 212993 Universal Knob Latch V1307 <t< td=""><td>181602</td><td>Screen/Storm Door Closer</td><td>V1333</td><td>Aluminum</td><td>3</td></t<>	181602	Screen/Storm Door Closer	V1333	Aluminum	3
107409 Screen/Storm Door Set V90 Black 5 107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 1178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 White 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 <t< td=""><td>181610</td><td>Screen/Storm Door Closer</td><td>V1333</td><td>Black</td><td>3</td></t<>	181610	Screen/Storm Door Closer	V1333	Black	3
107425 Screen/Storm Door Set V90 Zinc plated 5 190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 White 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 <td>213207</td> <td>Screen/Storm Door Closer</td> <td>V1333</td> <td>White</td> <td>3</td>	213207	Screen/Storm Door Closer	V1333	White	3
190751 Screen/Storm Door Set V92 Zinc plated 5 190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 White 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129	107409	Screen/Storm Door Set	V90	Black	5
190769 Screen/Storm Door Set V92 Brass 5 192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	107425	Screen/Storm Door Set	V90	Zinc plated	5
192179 Snap Fasteners V82 Zinc plated 5 190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	190751	Screen/Storm Door Set	V92	Zinc plated	5
190736 Spring Hinges, Surface Mount V122 Zinc plated 5 279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	190769	Screen/Storm Door Set	V92	Brass	5
279786 Touch'n Hold™ Door Closer V1345 Black 4 279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	192179	Snap Fasteners	V82	Zinc plated	5
279794 Touch'n Hold™ Door Closer V1345 White 4 106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	190736	Spring Hinges, Surface Mount	V122	Zinc plated	5
106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	279786	Touch'n Hold™ Door Closer	V1345	Black	4
106815 Turn Button V83 Zinc plated 5 117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	279794	Touch'n Hold™ Door Closer	V1345	White	4
117564 Turnbuckles, For Screen Door V195 Zinc plated 5 117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5					5
117580 Turnbuckles, For Screen Door V196 Zinc plated 5 178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	117564	Turnbuckles, For Screen Door	V195	-	5
178798 Universal Knob Latch V1307 Black 3 178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5			V196		5
178814 Universal Knob Latch V1307 Silver 3 212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	178798	Universal Knob Latch		Black	3
212993 Universal Knob Latch V1307 White 3 115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5	178814	Universal Knob Latch		Silver	3
115451 Screen/Storm Door Hinges V129 Black 5 115519 Screen/Storm Door Hinges V129 Zinc plated 5					
115519 Screen/Storm Door Hinges V129 Zinc plated 5					
				Zinc plated	5
	115477	Screen/Storm Door Hinges	V129	BakEnamel®	5



PLAN-O-GRAMS

2 FT - PRODUCT ASSORTMENT



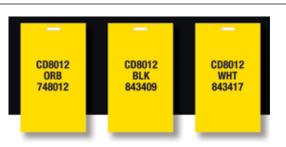


Stock #	Description	Family #	Finish	Qty
172114	Adjustable Springs, Door & Gate	V75	Zinc plated	10
162024	Chain Door Stop	V1355	Zinc plated	5
218594	Door Closer Parts Kit	V1352	Zinc plated	5
185934	Door Spring	V76	Zinc plated	10
185942	Door Spring	V76	Zinc plated	10
106906	Half Turn Button	V83-1/2	Zinc plated	5
349183	Interior Patio Door Handle	V1360	Aluminum	3
349167	Mortised Patio Door Latch	V1358	Aluminum	3
349191	Patio Door Handle/Latch Set	V1361	Aluminum	3
178350	Pushbutton Latch	V1316	Black	3
213074	Pushbutton Latch	V1316	White	3
162057	Replacement Strike	V1350	Black	10
213322	Replacement Strike	V1350	White	10
106682	Screen & Storm Sash Hanger	V80	Zinc plated	5
192773	Screen Door Catch	V1367	Zinc plated	3
181610	Screen/Storm Door Closer	V1333	Black	3
213207	Screen/Storm Door Closer	V1333	White	3
107409	Screen/Storm Door Set	V90	Black	5
107425	Screen/Storm Door Set	V90	Zinc plated	5
190751	Screen/Storm Door Set	V92	Zinc plated	5
190769	Screen/Storm Door Set	V92	Brass	5
192179	Snap Fasteners	V82	Zinc plated	5
106815	Turn Button	V83	Zinc plated	5
117564	Turnbuckles, For Screen Door	V195	Zinc plated	5
117580	Turnbuckles, For Screen Door	V196	Zinc plated	5
178798	Universal Knob Latch	V1307	Black	3
212993	Universal Knob Latch	V1307	White	3

STORM DOOR MORTISE LOCKSETS



SURFACE MOUNT LEVERS



STANLEY STANLEY ASSORT#:



National NATIONAL ASSORT#:

SURFACE MOUNT PATIO HANDLES



STANLEY STANLEY ASSORT#:



National NATIONAL ASSORT#:

MORTISE PATIO HANDLES



STANLEY STANLEY ASSORT#:

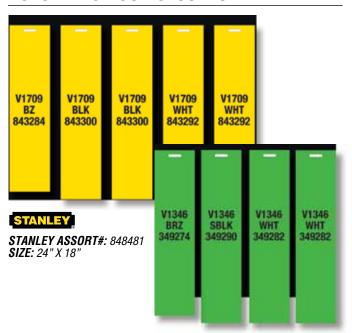


National NATIONAL ASSORT#:



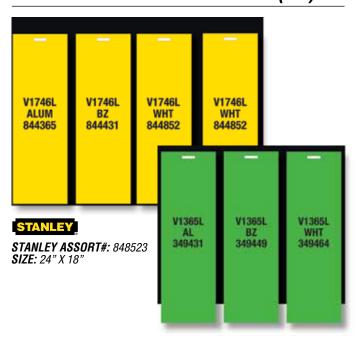
UNI Racks / Panel Boards

AUTOMATIC DOOR CLOSERS



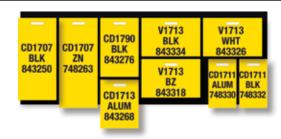
Național NATIONAL ASSORT#: SIZE:

WINDOW CASEMENT OPERATORS (left)



National Hardware NATIONAL ASSORT#: 349670 SIZE: 18" X 15"

REPLACEMENT HARDWARE

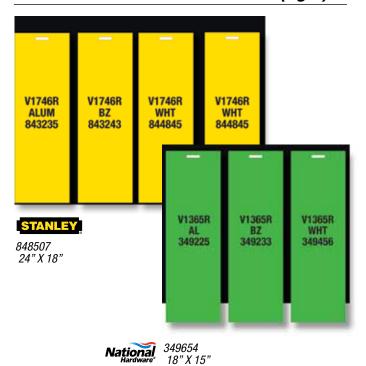


STANLEY STANLEY ASSORT#: 848465 - 24" X 9"

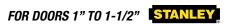


National 349613 - 18" X 15"

WINDOW CASEMENT OPERATORS (right)



Door Products





STORM DOOR MORTISE LOCK SET

FINISH: Polished Brass FAMILY#: Stanley: V8095 **STOCK#:** Stanley: 843342



STORM DOOR MORTISE LOCK SET

FINISH: Satin Nickel FAMILY#: Stanley: V8095 **STOCK#:** Stanley: 843359



STORM DOOR MORTISE LOCK SET

FINISH: Oil Rubbed Bronze FAMILY#: Stanley: V8095 **STOCK#:** Stanley: 843367



Antique Brass Stanley: V8095Stanley:843375

SURFACE MOUNT LEVER LATCH

STANLEY National

• ADJUSTABLE HOLE SPACING 1-1/2", 1-3/4", OR 3"



DECORATIVE LEVER

FINISH: Oil Rubbed Bronze FAMILY#: Stanley: CD8012 National: V1332 **STOCK#:** Stanley: 748012

National: 349407



DECORATIVE LEVER

FINISH: Black FAMILY#: Stanley: CD8012

National: V1332

Stanley: 843409 National: 349381



FAMILY#: FINISH: STOCK#:



WINDOW CASEMENT

OPERATORS - 9" ARM

STANLEY National

Window Products

Door Products

SURFACE MOUNT PATIO HANDLES

FOR DOORS 1" TO 1-1/4" STANLEY National









LOCKING PATIO DOOR HANDLE/LATCH SET FINISH: /FAMILY#: STOCK#:

• HOLE SPACING 6-1/2"

MORTISE PATIO HANDLES



PATIO DOOR HANDLE/ LATCH SET

Wood/Aluminum FAMILY#: Stanley: V1743 National: V1361

STOCK#: Stanley: 843201 National: 349191



PATIO DOOR LATCH -INSIDE PORTION

Wood/Aluminum FAMILY#: Stanley: V1745 National: V1364



INTERIOR PATIO DOOR HANDLE

FINISH: Wood/Aluminum

STOCK#: Stanley: 843227 National: 349217

FAMILY#: Stanley: V1742 National: V1360

Stanley: 843193 National: 349183

Door Products

REPLACEMENT COMPONENTS







POST JAMB BRACKET

FINISH: Bronze FAMILY#: Stanley: V1713 National: V1347 **STOCK#:** Stanley: 843318 National: 349308



National: V1347 STOCK#: Stanley: 843334 National: 349324



FAMILY#: Stanley: V1713

KEYED PUSHBUTTON

REPLACEMENT SET

FAMILY#: Stanley: V1790

STOCK#: Stanley: 843276

National: V1357

National: 349266

FINISH: Aluminum

Stanley: V1713 National: V1347 Stanley: 843326 National: 349316



FINISH: FAMILY#:

STOCK#:

FINISH: FAMILY#: STOCK#:



FINISH: Bronze National: V1365L

FINISH: Bronze FAMILY#: Stanley: V1746L FAMILY#: Stanley: V1746R

National: V1365R STOCK#: Stanley: 844431 STOCK#: Stanley: 843243 National: 349449 National: 349233



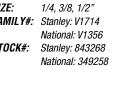
FINISH: White FAMILY#: Stanley: V1746L National: V1365L

STOCK#: Stanley: 844852 National: 349464

RIGID STRIKE REPLACEMENT SET

FINISH: Zinc SIZE: 1/4, 3/8, 1/2" FAMILY#: Stanley: V1714

STOCK#:





CHAIN DOOR STOP FINISH: FAMILY#: STOCK#:

AUTOMATIC DOOR CLOSERS STANLEY National

FINISH: Black

Stanley: V1709

Stanley: 843300

National: 349290

FAMILY#:

STOCK#:





Aluminum Stanley: V1740 National: V1358 Stanley: 843177



National: 349167



LIGHT DUTY FINISH: Bronze FAMILY#: Stanley: V1709 National: V1346 STOCK#: Stanley: 843284

National: 349274



DOOR CLOSER LIGHT DUTY National: V1346



Brand	Stock Number	Family Code	Description	Product Type	Finish	Box Qty	UPC
National	349274	V1346	Door Closer - Light Duty - Coastal	Door Closers	Bronze	3	038613349278
National	349282	V1346	Door Closer - Light Duty - Coastal	Door Closers	White	3	038613349285
National	349290	V1346	Door Closer - Light Duty - Coastal	Door Closers	Black	3	038613349292
National	349381	V1332	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	Black	3	038613349384
National	349399	V1332	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	White	3	038613349391
National	349407	V1332	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	Oil Rubbed Bronze	3	038613349407
National	349175	V1359	Mortised Locking Patio Door Latches - For Doors 1 to 1-1/4" Thick	Mortise Patio Handles	Aluminum	3	038613349179
National	349167	V1358	Mortised Patio Door Latches - For Doors 1 to 1-1/4" Thick	Mortise Patio Handles	Aluminum	3	038613349162
National	349241	V1355	Chain Door Stops	Replacement Hardware	Black	5	038613349247
National	349266	V1357	Keyed Pushbutton Set	Replacement Hardware	Black	5	038613349261
National	349308	V1347	Post Jamb Bracket	Replacement Hardware	Bronze	5	038613349308
National	349316	V1347	Post Jamb Bracket	Replacement Hardware	White	5	038613349315
National	349324	V1347	Post Jamb Bracket	Replacement Hardware	Black	5	038613349322
National	349258	V1356	Rigid Strike Replacement Set	Replacement Hardware	Aluminum	5	038613349254
National	349183	V1360	Interior Patio Door Handles	Surface Mount Patio Handles	Aluminum	3	038613349186
National	349209	V1363	Locking Patio Door Handle/Latch Sets - For Doors 1 to 1-1/4" Thick	Surface Mount Patio Handles	Aluminum	3	038613349209
National	349191	V1361	Patio Door Handle/Latch Sets - For Doors 1 to 1-1/4" Thick	Surface Mount Patio Handles	Aluminum	3	038613349193
National	349217	V1364	Patio Door Latches - Inside portion of 1363	Surface Mount Patio Handles	Aluminum	3	038613349216
National	349431	V1365L	Operator - Left Side	Window Casement Operators	Aluminum	3	038613349438
National	349449	V1365L	Operator - Left Side	Window Casement Operators	Bronze	3	038613349445
National	349464	V1365L	Operator - Left Side	Window Casement Operators	White	3	038613349469
National	349225	V1365R	Operator - Right Side	Window Casement Operators	Aluminum	3	038613349223
National	349233	V1365R	Operator - Right Side	Window Casement Operators	Bronze	3	038613349230
National	349456	V1365R	Operator - Right Side	Window Casement Operators	White	3	038613349452
Stanley	843284	V1709	Door Closer - Light Duty - Coastal	Door Closers	Bronze	3	033923843287
Stanley	843292	V1709	Door Closer - Light Duty - Coastal	Door Closers	White	3	033923843294
Stanley	843300	V1709	Door Closer - Light Duty - Coastal	Door Closers	Black	3	033923843300
Stanley	843409	CD8012	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	Black	3	033923843409
Stanley	843417	CD8012	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	White	3	033923843416
Stanley	748012	CD8012	Decorative Lever - For Doors 5/8 to 1-3/4" Thick	Lever Latch	Oil Rubbed Bronze	3	033923113595
Stanley	843342	V8095	Storm Door Mortise Lock Set - 1" to 1.5" Doors	Mortise Lock Set	Polished Brass	3	033923843348
Stanley	843359	V8095	Storm Door Mortise Lock Set - 1" to 1.5" Doors	Mortise Lock Set	Satin Nickel	3	033923843355
Stanley	843367	V8095	Storm Door Mortise Lock Set - 1" to 1.5" Doors	Mortise Lock Set	Oil Rubbed Bronze	3	033923843362
Stanley	843375	V8095	Storm Door Mortise Lock Set - 1" to 1.5" Doors	Mortise Lock Set	Antique Brass	3	033923843379
Stanley	843185	V1741	Mortised Locking Patio Door Latches - For Doors 1 to 1-1/4" Thick	Mortise Patio Handles	Aluminum	3	033923843188
Stanley	843177	V1740	Mortised Patio Door Latches - For Doors 1 to 1-1/4" Thick	Mortise Patio Handles	Aluminum	3	033923843171
Stanley	843250	V17107	Chain Door Stops	Replacement Hardware	Black	5	033923843256
Stanley	843276	V1790	Keyed Pushbutton Set	Replacement Hardware	Black	5	033923843270
Stanley	843318	V1733	Post Jamb Bracket	Replacement Hardware	Bronze	5	033923843317
Stanley	843326	V1713	Post Jamb Bracket	Replacement Hardware	White	5	033923843324
Stanley	843334	V1713	Post Jamb Bracket	Replacement Hardware	Black	5	033923843331
Stanley	843268	V1713	Rigid Strike Replacement Set	Replacement Hardware	Aluminum	5	033923843263
Stanley	843193	V1714 V1742	Interior Patio Door Handles	Surface Mount Patio Handles	Aluminum	3	033923843195
Stanley	843219	V1742 V1744	Locking Patio Door Handle/Latch Sets - For Doors 1 to 1-1/4" Thick	Surface Mount Patio Handles	Aluminum	3	033923843218
Stanley	843201	V1744 V1743	Patio Door Handle/Latch Sets - For Doors 1 to 1-1/4" Thick	Surface Mount Patio Handles	Aluminum	3	033923843201
Stanley	843227	V1745 V1745	Patio Door Latches - Inside portion of 1744	Surface Mount Patio Handles	Aluminum	3	033923843225
Stanley	844365	V1745 V1746L	Operator - Left Side	Window Casement Operators	Aluminum	3	033923844369
Stanley	844431	V1746L	Operator - Left Side	Window Casement Operators	Bronze	3	033923844437
Stanley	844852	V1746L	Operator - Left Side	Window Casement Operators	White	3	033923844857
Stanley	843235	V1746L V1746R	Operator - Right Side	Window Casement Operators	Aluminum	3	033923843232
Stanley	843243	V1746R	Operator - Right Side	Window Casement Operators	Bronze	3	033923843249
Stanley	844845	V1746R	Operator - Right Side	Window Casement Operators	White	3	033923844840
Stariley	044040	V1740H	Operator - night olde	window casement operators	Wille	3	030323044040





FARM & COMMERCIAL SLIDING DOOR SYSTEMS



2016 PRODUCT CATALOG



WeatherGuard™ protection greatly enhances the performance of standard zinc products, formulated to withstand the harshest weather conditions and stand up to the corrosive effects of pressure treated lumber. Extensive testing and field use have proven WeatherGuard is far superior in corrosion resistance over competitive standard zinc-plated products.

When subjected to 312 hours of salt fog spray testing (BHMA A156.18), standard zinc hardware showed severe corrosion while hardware protected by WeatherGuard withstood these harsh conditions with very little deterioration.

Benefits of WeatherGuard™:

- Superior corrosion protection for indoor & outdoor use
- Extends the life and aesthetics of steel hardware products
- Safe for use with pressure treated/ACQ lumber

For more information about WeatherGuard™ visit: www.nationalweatherguard.com

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BOX RAILS

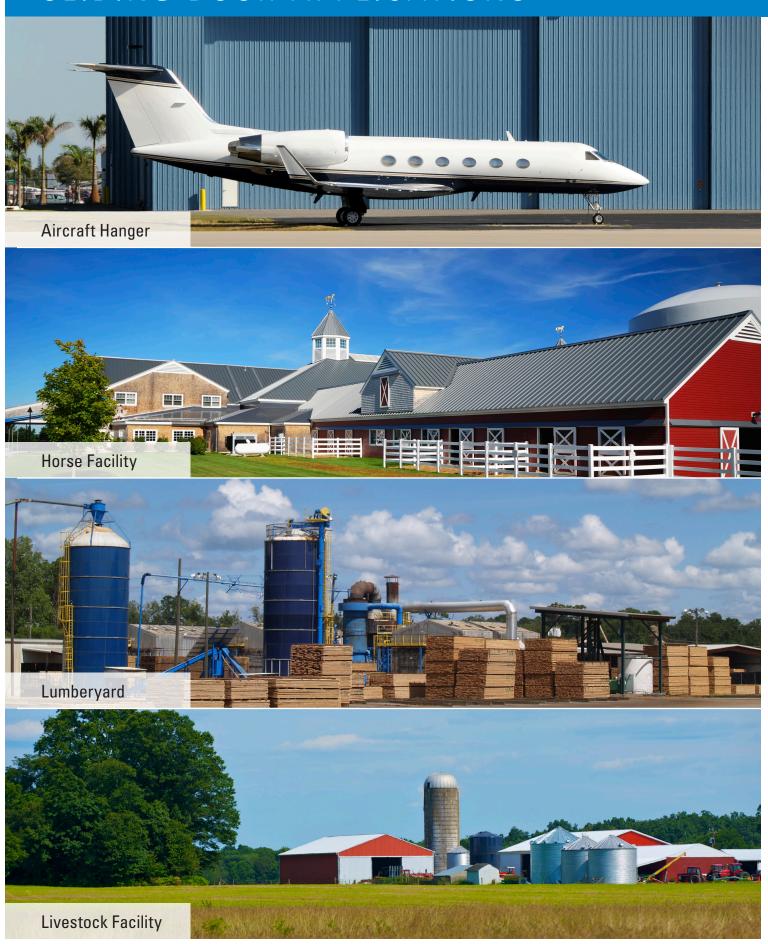
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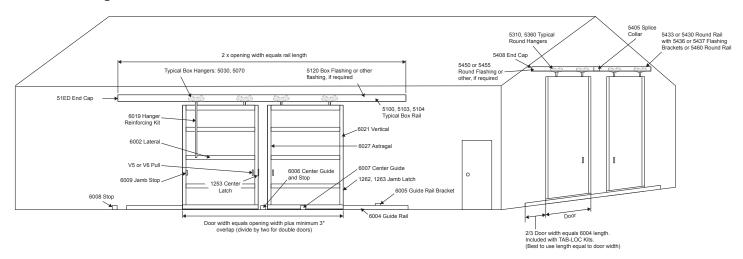
SLIDING DOOR APPLICATIONS



TYPICAL INSTALLATIONS

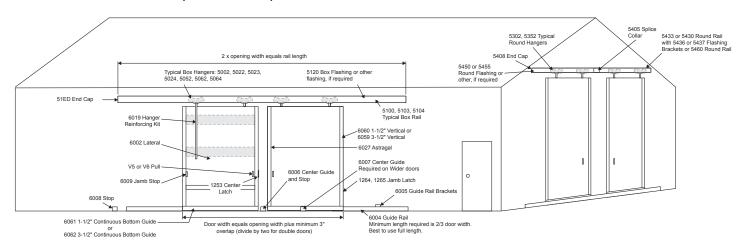
Tab-Loc™/ Max Easy-Frame®

Steel Sliding Door Frame



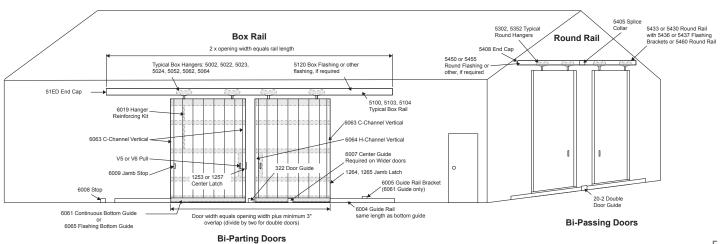
Easy-Frame®

Steel Verticals for 1-1/2" and 3-1/2" Wood Laterals



Aluminum Door Frame

1-1/2" Wood Laterals

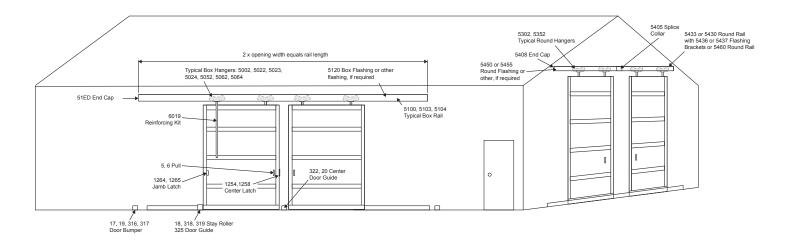


5

TYPICAL INSTALLATIONS

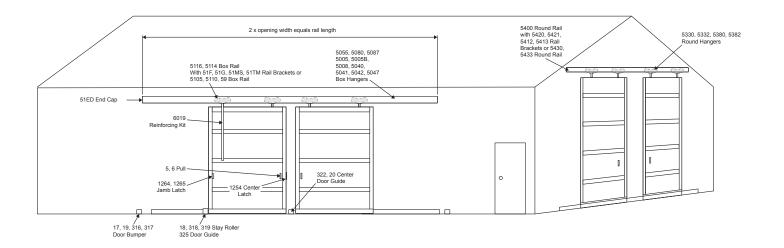
All Wood Frame Sliding Door

1-1/2" or 3-1/2" Thick With Metal Siding on Metal Sided Building



All Wood Frame Sliding Doors (Less Than 1-1/2" Thick Frame)

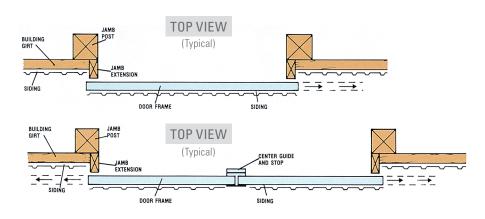
Less Than 1-1/2" Thick Frame With Wood Siding on Wood Sided Building

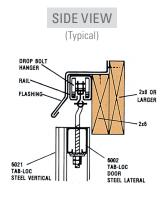


TYPICAL INSTALLATIONS

Single & Bi-Parting for Box & Round Rail

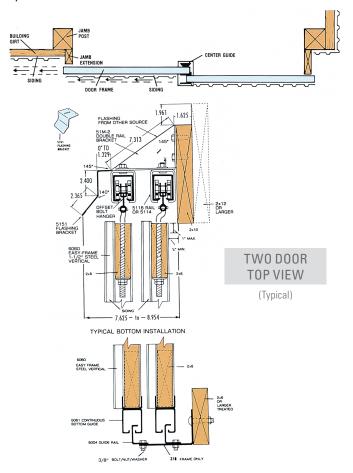
Operation: A single sliding door, or two sliding doors meeting at the center of the opening (bi-parting) allowing maximum doorway access to the building. This system requires a single run of rail approximately twice the width of the door opening running along the door side of the building to carry the door(s).





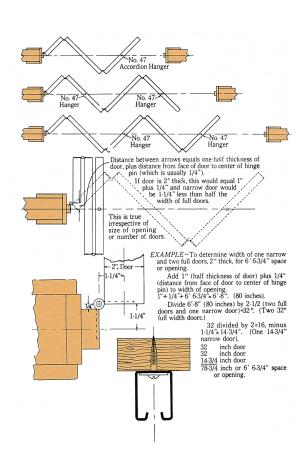
By-Passing for Box & Round Rail

Operation: Two runs of rail carry two or more door panels. When open, the inner panel(s) store behind the outer panel(s). Triple brackets are also available for triple runs of rail.



Accordion

The Accordion system is used in churches, schools and auditoriums or wherever a number of doors are hung together in series in an opening. No. 47 hangers and 5116 or 5114 rail are used. The system can be suspended from the header with ceiling brackets, or the rail may be secured with tech screws drilled directly to the header.



SLIDING DOOR SYSTEMS PLANNER

Single & Bi-Parting	By-Passing	Accordion/Fold
☐ Box or Round Rail	☐ Box or Round Rail	☐ 5116 Box Rail
\square Rail Brackets (if needed)	☐ Double or Triple Rail	☐ Box Rail Brackets
☐ Rail Flashing (if needed)	Brackets	☐ 47 Accordion Hangers
☐ Hangers	☐ 5151 Flashing Brackets	☐ Door Guides
□ Door Bumpers/Stops	☐ Hangers	☐ 835-24" Cane Bolt
☐ Door Guides	☐ Door Bumpers	☐ 512 or 129 Hinges
☐ Floor Mounted	☐ Door Guides	☐ Door Pulls
☐ Side Mounted	☐ Floor Mounted	☐ Center Latch
☐ Stay Rollers	☐ Side Mounted	☐ Door Frame Systems
☐ Jamb Latches	☐ Stay Rollers	□ Tab-Loc [™]
☐ Center Latch	☐ Jamb Latches	☐ Easy-Frame®
☐ Door Pulls	☐ Center Latch	☐ Aluminum
☐ Door Frame Systems	☐ Door Pulls	
□ Tab-Loc [™]	☐ Door Frame Systems	
☐ Easy-Frame®	□ Tab-Loc [™]	
☐ Max Easy-Frame®	☐ Easy-Frame®	
Aluminum	☐ Max Easy-Frame®	
	□ Aluminum	

SLIDING DOOR FRAMES - TAB-LOC™



Tab-Loc™

Steel Sliding Door Frame

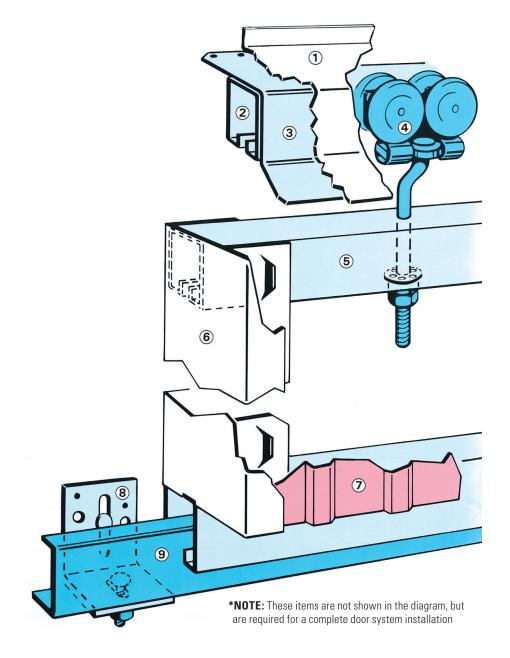
The All Steel Sliding Door Frame available with 1-7/8" thick laterals. The 1-7/8" door is fabricated entirely from 16 gauge galvanized steel with self-flashing verticals having a durable, powder coated white finish. It has pre-finished, self-flashing verticals. It's lighter than wood, yet is much stronger to last a lifetime. It won't crack, warp, rot, swell or stick.

Steel Verticals available for 1-1/2" and 3-1/2" wood laterals. The 16 gauge galvanized steel verticals are pre-punched for nails and are self-flashing with a durable, powder coated white finish. Wood laterals simply slide into the Easy-Frame® steel verticals, and door siding slides into the flashing channel eliminating separate flashing.

SLIDING DOOR FRAMES - TAB-LOC™

Materials Checklist

- 1. Rail cover
- 2. Rail
- 3. Rail bracket
- 4. Hanger
- 5. Steel lateral
- 6. Pre-finished steel vertical
- 7. Door covering/siding
- 8. Guide rail bracket
- 9. Guide rail
- 10. Center guide & stop (for bi-parting doors)*
 - 10a. Center guide (for larger, single doors)*
- 11. Door stop (bottom mount)*
 - 11a. Door stop (jamb mount)*
- 12. Jamb latch*
 - 12a. Center door latch (for bi-parting doors)*
- 13. Door pull*
- 14. Door astragal*



How to Figure Out a TAB-LOC All Steel Sliding Door

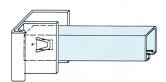
- What size opening to be covered? It's best to utilize standard sizes.
- Will door be double or single panel?
- Allow for panel to overlap jamb 1.5" at each end or add 3" to total width.
- Height should be the same as opening, which assumes door will lap trackboard 1/2"-1", leaving 1/2"-1" gap for clearance under door.
- Determine rail to be used (i.e. box, round) and determine style (ie. face mount, top mount). Include flashing if required and other accessories such as end caps, splice collars, flashing brackets, etc.
- Choose hanger to be used. Always use one designed for TAB-LOC. If door panel is 16¢ or wider, a third hanger should be used, or two tandem brackets.
- Figure two #6021 verticals for each door panel, remember, if opening is using a double door, you'll need four verticals.
- In National price book next to size of #6021, check asterisk number (i.e. *6).
 This tells you how many laterals are needed.
- Order #6002 laterals to make width needed. If door panel is over 12' wide, add one extra to stiffen bottom of panel or you must order #6007's.

- Check next to #6002 size for another asterisk number (i.e. *6)
 which tells you the minimum length of #6004 guide rail. Full length is best.
- Order #6004 guide rail. The heading will show number of #6005 guide rail brackets needed.
- Order #6005 brackets
- For a double door, order two #6006 center guide/stops and if door panel is over 12' wide and you did not add an extra #6002, order 2 #6007 center guides.
- Order the stops. Either #6008 base mounted or #6009 jamb mounted.
 If door is a single slide, one must be a #6008.
- Order jamb latches #1262 or #1263 and center latch #1253.
- If needed order #6019 Reinforcing Kit.
- Order #6 pulls if desired, preferably white.
- If desired, order a #6000T assembly tool.
- If door is bi-parting, order #6027 Astragal.
- If needed, order #6003 Stiffener Strip.

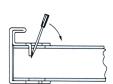
SLIDING DOOR FRAMES - TAB-LOC™

TAB-LOC lets one man assemble a steel door frame in 10 minutes.

The secret is our exclusive, patented locking tabs. These built-in fasteners are pre-punched into the frame members. Just bend the tabs down into matching slots for a square, tight, permanent steel door frame. Unlike any other door frame, you don't even need a level area for assembly. Once you're familiar with TAB-LOC, 10 minutes is all it takes to get a frame ready to attach the siding. In fact, the door can be completed and hung in under an hour to previously installed rail.

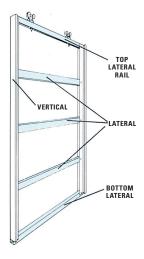


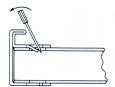
1. Align tabs over slots in cross members



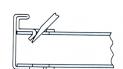
3. For best results assembling TAB-LOC frames, lay the components face down and set the tabs on the back side fully. Turn the frame over and set the front side tabs fully. Larger doors may be assembled on saw horses with the front side up and by setting the tabs on the back side of the door by reaching up from the underneath side eliminates turning of the door. Install the hangers in the frame.

Measure diagonally to square the frame, attach the steel siding. Do not hang the frame before the siding is applied.

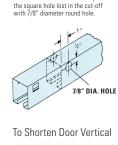




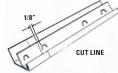
2. Insert screwdriver blade to start tab



Lock tabs permanently with our special tapered tool #6000T.

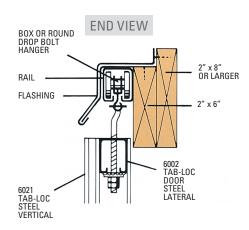


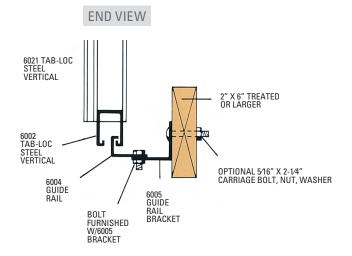
To Shorten Door Lateral

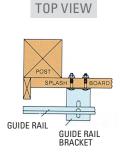


Applications for installing sliding door on building.

The secret is our exclusive, patented locking tabs. These built-in fasteners are pre-punched into the frame members. Just bend the tabs down into matching slots for a square, tight, permanent steel door frame. Unlike any other door frame, you don't even need a level area for assembly. Once you're familiar with TAB-LOC, 10 minutes is all it takes to get a frame ready to attach the siding. In fact, the door can be completed and hung in under an hour to previously installed rail. The secret is our patented TAB-LOC system.





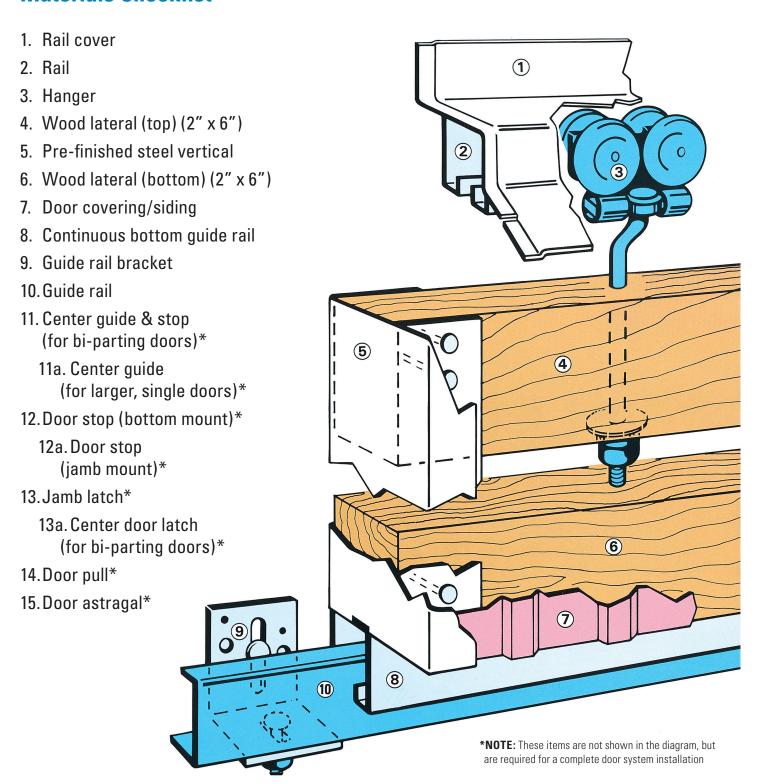


SLIDING DOOR FRAMES - EASY FRAME®

Easy Frame® Steel & Wood Frame

for 11/2" and 31/2" wood laterals for Box and Round Rail Systems

Materials Checklist

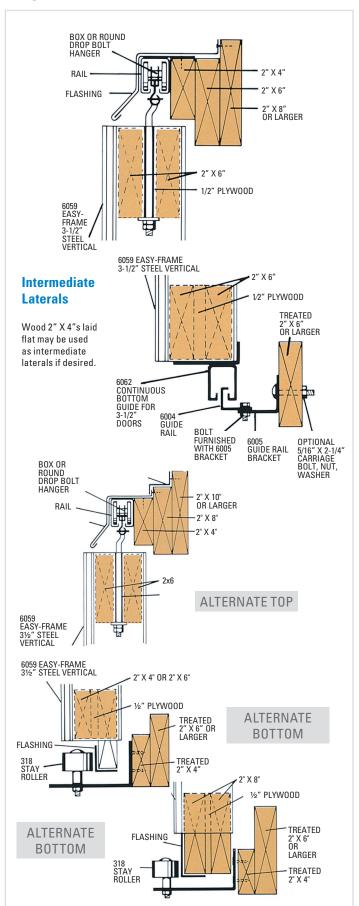


SLIDING DOOR FRAMES - EASY FRAME®

1-1/2" Thick Door

BOX OR ROUND DROP BOLT HANGER RAIL 2" X 8" OR LARGER FLASHING 2" X 6 2" X 6" 6060 EASY-FRAME 1-1/2" STEEL DOOR VERTICAL 6060 EASY-FRAME VERTICAL 2" X 6' TREATED 2" X 6" OR LARGER 6062 OPTIONAL 6004 GUIDE RAIL 5/16" X 2-1/4" CARRIAGE 6005 GUIDE BOLT, NUT, WASHER RAIL BRACKET BOLT / FURNISHED W/6005 BRACKET ALTERNATE BOTTOM 6060 EASY-FRAME 1-1/2" STEEL VERTICAL TREATED 2" X 6" OR LARGER FLASHING TREATED 2" X 4" ALTERNATE BOTTOM 6060 EASY-FRAME 1-1/2" STEEL VERTICAL FLASHING 1" X 4" TREATED 2" X 6" OR LARGER FLASHING STAY ROLLER TREATED 2" X 4"

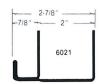
3-1/2" Thick Door



TAB-LOC[™]



6021 Door Verticals—Pre-finished, self-flashing, 16 gauge galvanized steel verticals. Door covering slides into channel of vertical for a clean, smooth fit. No flashing needed—vertical provides a clean, finished edge. Available in 7–17 ft. in one-foot increments.





6002 Door Laterals—The galvanized 16 gauge laterals are pre-punched at each end for easy attaching to vertical members. All laterals have hanger holes pre-punched and can be used as either top, bottom or intermediate door members. Available in 4–20 ft. sections.



1253 Center Door Latch—Cam action, adjustable hook holds bi-parting doors tight. For TAB-LOC™ or EASY-FRAME® doors 11/2" or thicker.



6000T TAB-LOC™ Assembly Tool— This tool is helpful in bending the special locking tabs into slots on frame.



1262/1263 Jamb Latches—Cam action and adjustable hook holds door firmly against the jamb. 1262 has 7 in. hook; 1263 has 4 in. hook.



6003 TAB-LOC™ Stiffener Strip—

12¢ length used to strengthen 14¢ and above #6021 TAB-LOC™ verticals when used in high wind areas. Flat strip slides into vertical before laterals are installed.

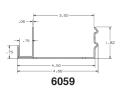
Easy Frame®



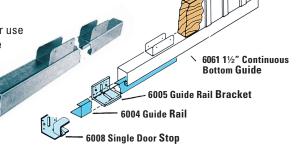
6060 1½" Door Verticals—Self-flashing verticals with powder coated white finish over galvanized 16-gauge steel. Pre-punched on 24" centers for attaching 1½" lateral members.



6059 3½" Door Verticals—Self-flashing verticals with powder coated white finish over galvanized 16-gauge steel. Pre-punched for attaching 3½" lateral members. Also available in non-punched 16-gauge galvanized finish.



6061 1½" Continuous Bottom Guide—For use on wood frame doors. When nailed to the bottom of a 1½" wood framed door, the continuous bottom guide engages with the No. 6004 Guide Rail to prevent damage to door or building.



Guide—Same as 6061 Bottom Guide for attaching to $3\frac{1}{2}$ " wood framed doors.

TAB-LOC™ & Easy Frame® Accessories



6004 Guide Rail—Engages the bottom lateral of TAB-LOC $^{\mathsf{m}}$ doors to hold the door in place and prevent wind damage. Fastens to building with No. 6005 Guide Rail Bracket. Guide rail also used with 6061/6062 Continuous Bottom Guides.



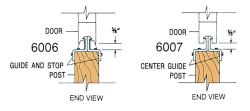
6007W Center Guide—For use in pairs. The 6007W is a heavy-duty center guide for single or bi-parting MAX EASY-FRAME® doors and is recommended for single doors 16 foot and wider, plus all bi-parting MAX EASY-FRAME® door systems. Should be installed in the center of the opening and works with the 6053 bottom lateral.



6006 Center Guide and Stop for Bi-Parting Doors—For use in pairs. The 6006 is a heavy-duty center guide and stop that engages bottom lateral of TAB-LOC™ doors in closed position. Also used with 6061/6062 Continuous Bottom Guide.



6005 Guide Rail Bracket—For use with No. 6004 Guide Rail. Slotted hole in each leg allows both lateral and vertical adjustments. Bolts, nuts and washers included.





6008 Single Door Stop—Engages bottom of single TAB-LOC™ door in the open and closed position and bi-parting doors in the open position holding them firmly against the building. This can also be used on wood framed doors using the No. 6061 or 6062 Continuous Bottom Guide.



6007 Center Guide for Single Doors-

For use in pairs. The 6007 is a center guide for single TAB-LOC™ door and is recommended for doors 12 foot and wider. This should be installed in center of opening. Also used with 6061/6062 Continuous Bottom Guide.



1254 Center Door Latch—Cam-action, adjustable hook holds bi-parting doors tight. For wood doors 11/2" or thicker.



6027 Door Astragal—A pre-finished, white, extruded aluminum used to cover the gap between bi-parting doors. The unique design allows it to wrap around the flashing channel of the vertical. Astragal fits both TAB-LOC™ and EASY-FRAME® doors and attaches with pop rivets. Available in 10, 12, 14, and 16 foot lengths.



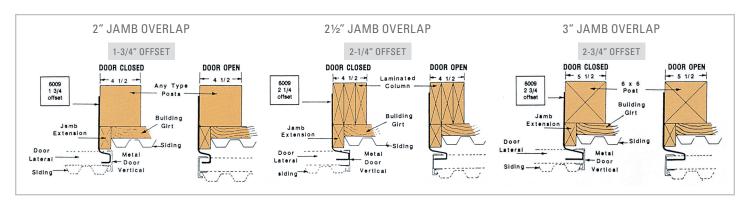
1264/1265 Jamb Latches—A cam-action latch designed to hold wood or metal sliding doors



6009 Jamb Mount Door Stop—Stops and holds door in both open and closed positions. The end with right angle projects slightly beyond the jamb and engages the vertical member of TAB-LOC™ or EASY-FRAME® door frame. Available in 3 sizes.



firmly in place against the door jamb. Also used on end gates, stake panels on trucks and other closures on farm buildings. Adjustable 4 inch hook. For right or left-hand installation. Handle of No. 1265 Latch can be used as a stop when door is in fully open position—simply flip handle approximately 180 degrees. No. 1264 Latch with 7 inch hook suitable for use where a long reach is necessary because of jamb construction.



Additional Accessories

For a complete listing of all available hardware, see your retailer



17 Door Bumper—Strong, sturdy, steel barn door bumper. Has extra heavy ribs for strength. Easy to attach. For 2" thick doors.



316 Adjustable Door Bumper—Heavy-duty adjustable for single sliding or bi-parting door from 2½" to 3-1/8" thick.



20 Single Door Guide— Adjustable to maximum 3" door.



322 Door Guide—Heavy-duty center floor guide for bi-parting and single sliding metal or wood doors. Smooth ramp on each side prevents tire cutting. Mounts on concrete floors with lag screws and shields or on a $6"x\ 6"$ post. A 1/2" rod or bolt inserted through hole in each side serves as a center stop for bi-parting doors.



318 Stay Roller—For heavy-duty use. Slots in frame provide adjustment for holding sliding doors against wood walls or posts. Sturdy steel frame. Reversible. For doors up to 3-3/4" thick.



319—Heavy-Duty Stay Roller with Derlin® wheel and 3/8" x 4-1/2" lag screw with expansion shield. For doors of any thickness.



6 Door Pull—Extra heavy for variety of applications. White vinyl coated, zinc, galvanized or black. Length 6-3/4", width 1-3/8".



1134 Slide Bolt Latch—For doors and gates swinging in or out. Handle serves as pull. May be padlocked. Zinc plated, galvanized or satin black finishes.



1135 Latch—Sturdy, easy-operating, all purpose latch. Handle serves as a pull; latches right or left. The latch bar securely attached with two sets of guides and back plates, which provide a bearing surface for the bar and eliminate "grooving" of the wood as bar is moved back and forth. Extra strong bar strike has rounded edges. Ideal for horse barns and livestock enclosures.



1136 Stall and Gate Latch—Ideal for horse and other livestock stalls, residential or rural gates, doors, etc. Automatic retractable bolt clears entry. Rounded edges protects livestock. Right or left hand application. Zinc plated with weather proof finish.



25 Swinging Door Latch—Heavy-duty self-latching. Designed for installation on 3/4" to 2-1/4" thick doors. Bolt has rounded face to insure easy latching. Handle designed to prevent flattening when door swings back against building. Available for 3" door thickness. Available in zinc, black and stainless steel finish. Packed with hold-open catch.



835 24" Cane Bolt—Adjustable throw. Self-locking when mounted vertically.



19 Door Bumper—For 2-3/4" thick doors. A rugged, heavy-duty doorstop.



317 Adjustable Door Bumper—For by-passing or single sliding doors of greater thickness than No. 316 will accommodate. For 4-1/2" to 6" thick doors.



20-2 By-passing Door Guide—
Adjustable to maximum 3" door.



325 Door Guide—Extra wide guides ideal for corrugated metal-clad doors. Easy to install. Fasteners not furnished, but guides have holes for spikes as well as larger holes for 3/8" lag-screw mounting. Guide is adjustable for doors 5" x 5-1/2" thick. Curved section of guide may be turned sideways allowing straight access when installing screws.



18 Stay Roller—Embossed frame with two wings provide greater bracing and holding strength than conventional single-support, corner-iron frame. Derlin® wheel assures rust-free operation. Adjustable. For doors up to 2-1/4" thick.



13B Latch—Similar to No. 13 but furnished with extra strong bar strike with rounded edges. Sturdy one-half inch thick bar strike eliminates breakage. Can be padlocked. Cam action between handle and bar strike holds door tightly closed preventing door rattle.



6017 Adjustable Reinforcing Strap—Distributes the weight of door equally between the top and 2nd lateral by securely fastening them together. Adjustable from 30.50 inches to 19.38 inches. Used on doors with 3-1/2" laterals at hanger locations.



6018 Rigid Reinforcing Strap—Distributes the weight of door equally between the top and 2nd lateral by securely fastening them together Fixed size of 30.50 inches. Used on doors with 3-1/2" laterals at hanger locations.



6019 Hanger Reinforcing Kit—Boxed extension kit attaches to drop bolt hangers (box or round styles) to allow weight of door to be carried by both top and 2nd lateral in door. Kit includes: $2 - 1/2" \times 36"$ threaded rod, 2 - 1/2" couplers, 2 - 1/2" flat washers, 2 - 1/2" flange nuts, 4 - 1/2 "jamb nuts, and directions

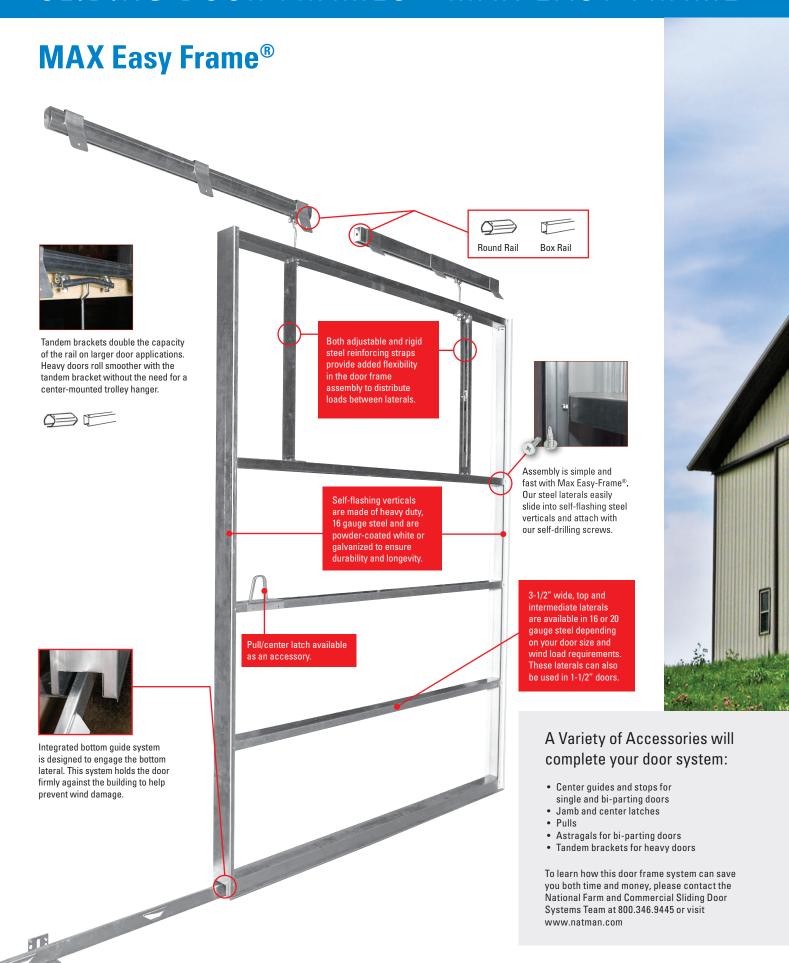


2180 Turnbuckle Gate Hook and Eye—Designed to draw large doors tight by twisting turnbuckle after door is hooked. Ideal for heavy warehouse, grain bin, or machine shed doors.



832 Barrel Bolt—Extra heavy for use on doors, stock rooms, farm buildings and situations where additional security is desired. Furnished with surface and universal strikes. Can be padlocked. Steel body with rust resistant, zinc-plated finish.

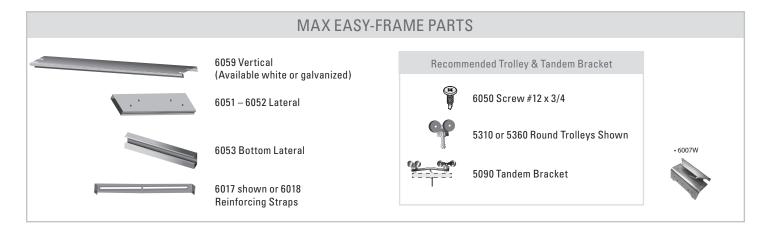
SLIDING DOOR FRAMES - MAX EASY FRAME®



SLIDING DOOR FRAMES - MAX EASY FRAME®

Assembling & Installing

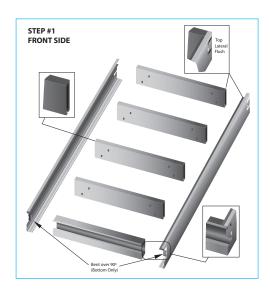
3.5" Max Easy-Frame® Steel Doors



STEP 1

Preliminary layout:

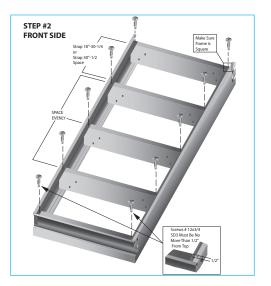
Once it is determined that verticals are the right length for the door height and laterals are the right length for the door width, lay verticals with front side of door up on 4 saw horses set diagonally. Evenly place the laterals into the verticals with the open side toward the ground. The top lateral should be flush with top of the verticals in 90 degrees. The 6052 bottom lateral is placed on top of these tabs and should have the lip that the siding sits on up towards the front side of the door.



STEP 2

Connect the laterals to the front side of the verticals:

Check that frame is square by measuring diagonally in both directions. The top lateral and the second lateral should be spaced to accept the 6017 adjustable reinforcing strap 18" – 30-1/4" or the 6018 rigid reinforcing strap that requires 30-1/2" spacing. Hint, use the 6017 or the 6018 to achieve this proper spacing. The remaining laterals should be evenly spaced. After verifying correct spacing, using a #12 x 3/4" SD3 pancake quadrex self-drilling screw. (Recommended driver fit #2 size) drive 1 screw through the front side of the vertical into each of the laterals, while making sure the lateral is pushed tightly into the vertical. Warning, the screws going into each end of the 6053 bottom lateral must be installed 1/2" from the top of this lateral as to not interfere with the guide rail that will run inside this part after installation.



SLIDING DOOR FRAMES - MAX EASY FRAME®

STEP 3

Connect the laterals to the back side of the verticals:

Re-check that frame is square by measuring diagonally in both directions. Frame can easily be moved into square at this time. After locating on the underside of the vertical the scored screw locator line (keeps your screws from walking) use the same #12 x 3" self drilling screws and drive screws into each of the legs of the laterals (2 screws per each end of each lateral from the underside), while making sure lateral is pushed tightly into the vertical. Just use 1 screw on the special 6053 bottom lateral, remembering to keep it $\frac{1}{2}$ " from the top of this lateral.

STEP 4

Install the 6017 or 6018 reinforcing straps:

Again using the #12 x 3/4" self drilling screws install between the top and the second lateral either your 6017 or 6018 reinforcing straps over each of the 1/2" hanger bolt holes located 1" from the inside edge of the door lateral (used with 1-1/2" track board), or over the 1/2" hole in the center of the lateral (used with 3" track board). **Warning**, the 6017 or 6018 reinforcing straps **must** be installed with the wide 3-1/2" side running parallel to the verticals.



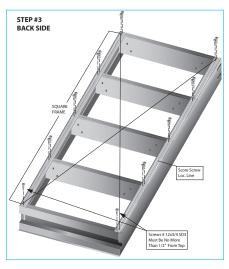
Install trolleys:

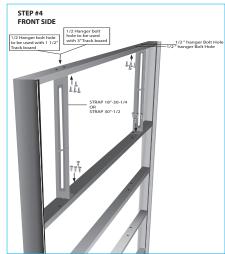
At this time install your trolley hangers. When using the 5090 tandem bracket install the completed assembly with hangers at this time. Make preliminary adjustment on hanger assembly to throw your door away from the building as far as possible. Final hanger adjustments should be made and secured after door is sided and is hung.

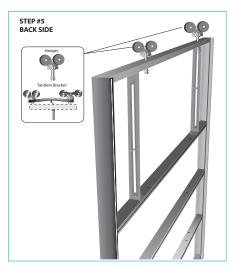


Hang the door:

Warning, the frame can not be hung on the track without any of the sliding attached. The best way to prevent damage to the door is to always lift the door by hand, but we realize that many doors will be lifted mechanically. Now is the final time to check that the frame is still square. Once that is done lay out your steel as it will go on the door, and install all the steel if lifting and hanging the door by hand. Install the center 1 or 2 sheets and both edge sheets if lifting mechanically. If lifting mechanically attach 1 chain as near as possible behind the leading hanger and reinforcing strap and attach the second chain as near as possible behind the trailing hanger and reinforcing strap.



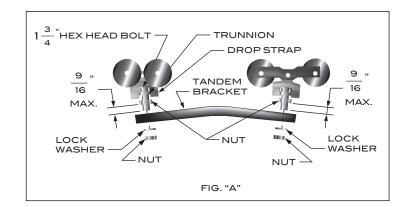


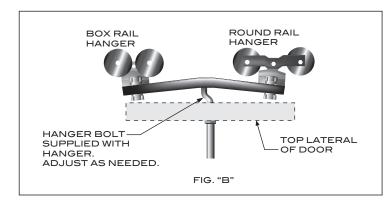


5090 Tandem Bracket

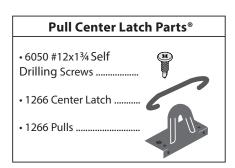
- 1) Insert hex head bolt through hole in trunnion. (see fig."A")
- 2) VERY IMPORTANT: Thread hex nut onto bolt leaving 1/2" to 9/16" of thread exposed. (see fig. "A")
- 3) Inset bolt in hole of tandem bracket with crown of bracket up as shown. (see fig. "A")
- 4) Thread second nut with lock washer onto bolt and tighten securely.
- 5) Repeat for other truck assembly. Final product should look like fig. "B"

Can be used with either box or round rail to double the weight carrying capacity by adding an extra pair of hangers to a door panel, in lieu of using 3 hangers per door panel.

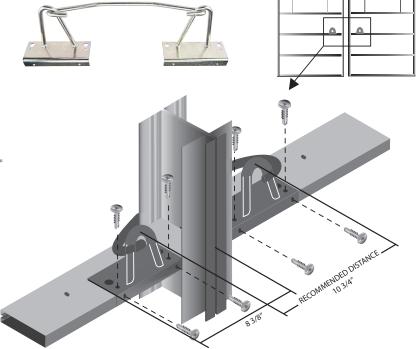




1266 Pull Center Latch

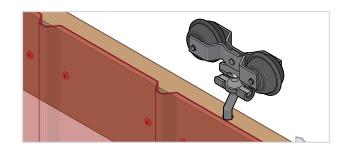


1266 Pulls require a minimum lateral width of 2-1/2"



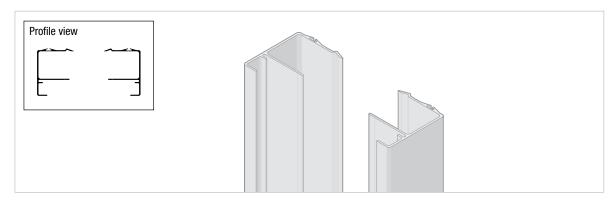
Verticals

The type and number of aluminum verticals required for your door(s) depend on your application:



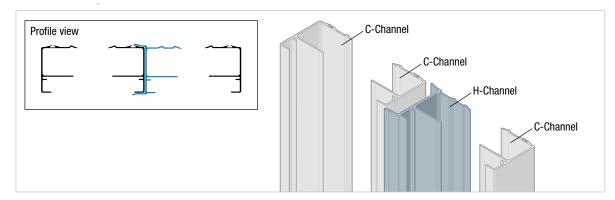
Single Door

Use two 6063 C-channel verticals.



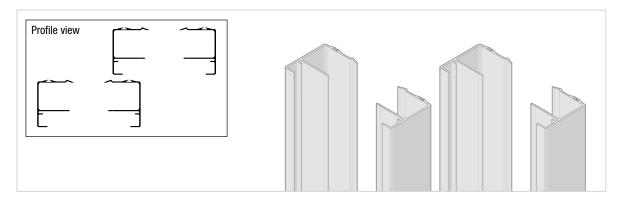
Bi-Parting Doors

Use a 6064 kit, which contains three 6063 C-channel verticals and one H-channel vertical.



Bi-Passing Doors

Use four 6063 C-channel verticals.



Laterals

Wood laterals are recommended for this application.

Required number of laterals

The number of laterals required for your door(s) is dependent on the desired door height.

Number of Laterals
5
6
7
8
9

Lateral Dimensions

Use the following lumber dimensions for your laterals:

Lateral	Size
Bottom Lateral	2 x 8
Top Lateral	2 x 6
Middle Laterals	2 x 4

To determine the required number of 2x4s, subtract 2 from the total number of laterals required by your application.

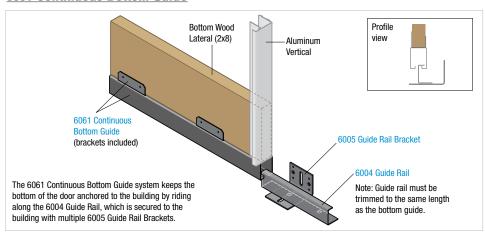
Additional lumber

If you are installing pulls on your door(s), it is recommended that you use an additional 2x6 on each door, adjacent to the aluminum vertical. The 2x6 will fit between two middle laterals on the side where the pull should be installed. The 2x6 will be cut to size after the door is assembled, and it holds the pull in place without the need to drill through the aluminum vertical.

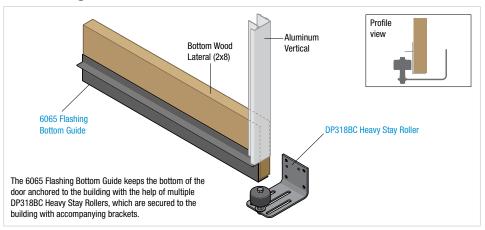
Bottom Guides

Utilize one of the following bottom guide options for your door(s):

6061 Continuous Bottom Guide

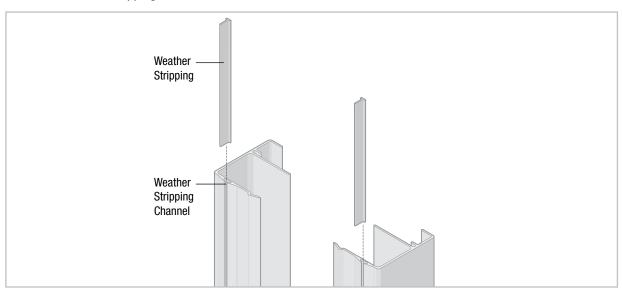


6065 Flashing Bottom Guide



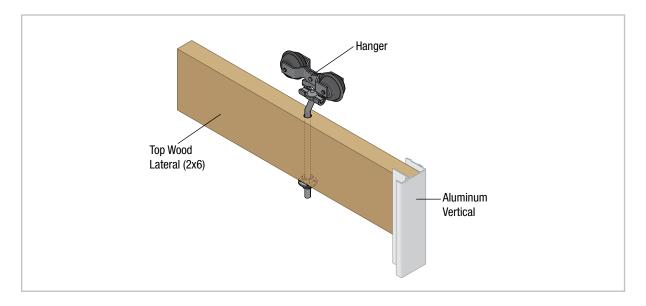
Weather Stripping

If needed, weather stripping can be installed in the channels on the backside of the aluminum verticals.



Hangers

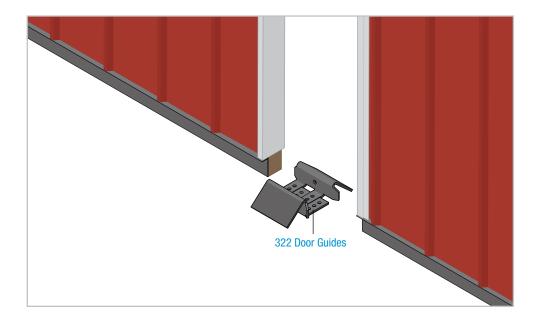
If a single door is 600 pounds or less, use two hangers to hang the door. If the door is more than 600 pounds, use three hangers or 5090 Tandem Hanger Brackets. Hangers with offset bolts are recommended for this application. Make sure to use the appropriate hanger for your track.



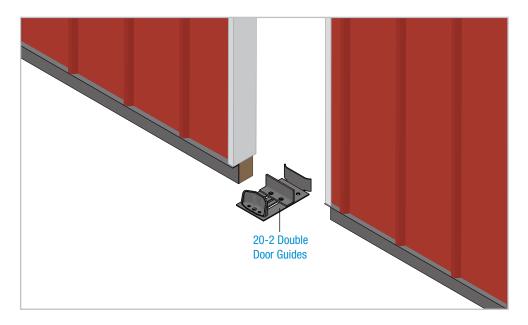
Center Guides for Bi-Parting & Bi-Passing Doors

If installing two doors, it is necessary to add a center guide in the center of the door opening to keep the doors from swinging out.

<u>Bi-Parting Doors</u> Utilize a set of 322 Door Guides.



<u>Bi-Passing Doors</u> Utilize a set of 20-2 Door Guides.

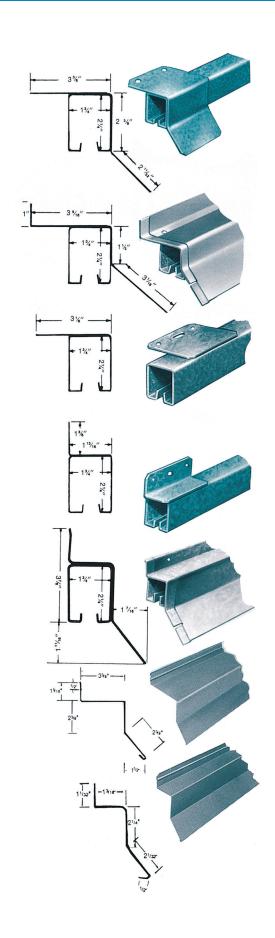




A Complete Selection of Quality Rail

National Hardware has a complete selection of box rails that are designed for use on doors weighing up to 450 lbs (5116) or 600 lbs (5114). Our 450 lbs rated track meets ANSI/BHMA A156.14, Grade 2 specs. Our box rail is manufactured in the USA from galvanized steel for weather resistance and strength and is carefully formed to give an even tread to hanger wheels. National Hardware's box rail comes with optional pre-mounted brackets for fast, simple installations or can be used with many types of single and multiple brackets for a variety of door openings.





No. 5100 Rail—Top mount. 16 gauge galvanized steel. Mounting/flashing brackets welded to the rail on 2 foot centers. No separate brackets or rail couplings needed. For doors weighing up to 450 lbs. per panel.

No. 5103 Hi-Tensile Steel Rail—Top mount. 16 gauge galvanized steel. For doors weighing up to 600 lbs. per panel when used with steel roller bearing hangers.

No. 5104 White Covered Rail—Top mount. 16 gauge galvanized steel. One piece design features a durable, white pre-finished cover, permanently welded to rail—fast, simple installation without mounting brackets. For doors weighing up to 450 lbs. per panel.

No. 5105 Rail—Top mount. 16 gauge galvanized steel. For interior doors, and exterior doors that travel inside the building and for horse stall doors. Mounting bracket welded to the rail on 2 ft. centers. Just nail the rail to the track board with ring-shank, neoprene washer nails. No separate brackets or rail couplings required. For doors weighing up to 450 lbs. per panel. For use where flashing is not required.

No. 5110 Rail—Face mount. 16 gauge galvanized steel. Welded-on mounting brackets on 2 ft. centers make rail installation fast and easy. Rail is simply attached to building with lag screws. No rail splicing brackets required, as end bracket of each piece of rail overlaps next length for perfect alignment and tight joint. For doors weighing up to 450 lbs. per panel.

No. 59 Covered Rail—Face mount. 16 gauge galvanized steel. A face mounted rail with 18-gauge cover spot-welded on top of rail. No brackets required as cover provides a continuous bracket. For doors weighing up to 450 lbs. per panel.

No. 5120 Flashing—For Easy-Mount® Rail No. 5100 and 5103. 10' sections, white finish, 28 gauge steel. End cap can be made by modifying flashing.

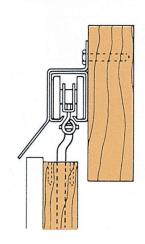
No. 5122 Flashing—For No. 59 rail. 10' sections, white finish, 28 gauge steel. End cap can be made.

No. 5151 Flashing Bracket—For 5120 flashing. Galvanized steel.

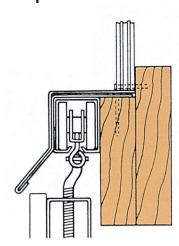
No. 5102B Flashing Bracket—For 3" track board.

Applications & Accessories

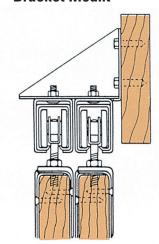
Face Mount



Top Mount



Bracket Mount





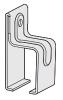


No. 5116 Rail—For doors weighing up to 450 lbs. per panel. 16 gauge galvanized steel rail bundled without fasteners or brackets. Can be used with various types of single and multiple brackets.

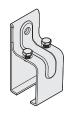
No. 5114 Hi-Tensile Steel Rail—Same as 5116, except for doors weighing up to 600 lbs. per panel when used with steel roller bearing hangers.

No. 51ED End Caps—Galvanized steel. For 16 gauge Rail. Used to cap rail end, and also used as center stop using $3/8" \times 2"$ carriage bolt (not incl.).

Brackets (Lag Bolts Included)



51F Single

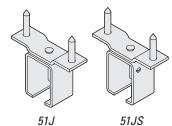


51G Splice

No. 51F Wall Mount Single Bracket Used at two foot intervals to hang rail to side of building.

No. 51G Wall Mount Single Joint Splice Bracket

A splice bracket with set screws to join two lengths of rail.

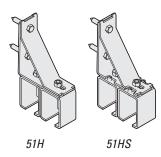


No. 51J Ceiling Mount Single Bracket

For hanging rail to overhead mounting. Mounting plate swivels for various installations.

No. 51JS Ceiling Mount Single Joint Splice Bracket

For joining two lengths of rail in overhead mounting. Mounting plate swivels for various installations.

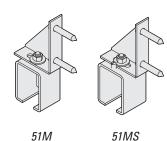


No. 51H Wall Mount Double Bracket

Adjustable. For by-passing doors. Used at two foot intervals to hang rail to side of building.

No. 51HS Wall Mount Double Joint Splice Bracket

Adjustable. For joining rail sections in a parallel run.

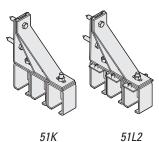


No. 51M Single Bracket

Adjustable. Used to hang rail to the side of the building. Ideal for use on corrugated siding.

No. 51MS Single Joint Splice Bracket

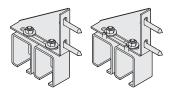
Adjustable. A splice bracket with set screws to join two lengths of rail in a single run. Ideal for use on metal-sided buildings.



No. 51K Wall Mount Triple Bracket

Adjustable. For triple by-passing doors. Used at two foot intervals to hang rail to side of building.

No. 51L2 Triangle Only

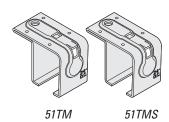


51M-2 51MS-2

No. 51M-2 Double Bracket

Adjustable. For by-passing doors. Used at 2 ft. intervals to hang rail to side of buildings. Ideal for metalsided buildings.



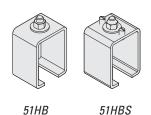


No. 51TM Single Top Mount Bracket

Top mount design so brackets can be installed on a 2 x 6 header board. Used at two foot intervals to hang rail. Compatible with 5438 & 5439 snap on flashing brackets

No. 51TMS Single Top Mount Splice Bracket

For joining rail selections in a parallel run.



No. 51HB Box Rail Brackets Only Replacement brackets for 51H, 51K,

51M and 51M-2 brackets.

No. 51HBS Box Rail Brackets Only Replacement brackets for 51HS, 51KS, 51MS and 51MS-2 brackets

For detailed technical information, please visit www.natman.com

BOX HANGERS



Roll Easier • Last Longer

National Hardware offers Box Rail Hangers with Delrin or steel bearings. Our hangers are designed and manufactured using durable one piece, precision formed steel. National Hardware's Box Rail Hangers have a safe working load of 250 lbs or 300 lbs. We offer hangers in flexible or rigid types with a wide variety of functions.

Delrin® 500CL Bearings | **Steel Roller Bearings**

Offset Bolts

The hangers below are for use on wood frame metal-clad doors using 2 x 4 or 2 x 6 frame. Offset 9" bolt adjusts both vertically and laterally from inside the door. Connecting bolts threaded 7", adjusts laterally 1" by turning offset bolt for desired clearance. Packed with four washers, four hex nuts, two end caps per pair.



No. 5022 Delrin® 500CL Bearings—For use on wood frame doors up to 450 lbs.

No. 5023 Delrin® 500CL Bearings—Same as 5022 except includes 17, 3/8" x 21/2" lag bolts for mounting rail.

No. 5024 Delrin® 500CL Bearings—Same as 5022 except includes two 5151 flashing brackets for 5100 rail.



No. 5062 Steel Roller Bearings—For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.

No. 5064 Steel Roller Bearings—Same as 5062 except includes two 5151 flashing brackets for 5103 rail.

The hangers below are for use with **TAB-LOC™ Steel Door Frames** and have vertical and lateral adjustments made from inside. Door bolt threaded 51/2". Offset 71/2" bolt allows 1" adjustment by turning bolt. Packed with two star washers, two hex nuts, two flange nuts and two end caps per pair.



No. 5030 Delrin® 500CL Bearings—For use on TAB-L0C[™] steel frame doors up to 450 lbs.



No. 5070 Steel Roller Bearings—For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.





No. 5040 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors, laterally and vertically adjustable. Packed with two end caps and bolts for attaching door straps. For use on doors up to 450 lbs. 51/4" Strap length.



No. 5047 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors. Double door strap has opposing holes for bolt mounting. Laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door straps. For use on doors up to 450 lbs. 43/4" Strap length.



No. 5080 Steel Roller Bearings—Flexible hangers for use on wood frame sliding doors, laterally and vertically adjustable. Packed with two end caps and bolts for attaching door straps. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114. 51/4" Strap length.

No. 5087 Steel Roller Bearings—Flexible

hanger for use on wood frame sliding doors. Double door strap has opposing holes for bolt

mounting. Laterally and vertically adjustable.

Hangers are packed with two end caps and bolts for attaching door straps. For use on doors up to 600 lbs. when used with Hi-Tensile

rails—5103 and 5114. 43/4" Strap length.



No. 5041 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors. These hangers have vertical and lateral adjustments that can be made from outside the building. Offset bolt is threaded 4" with a lateral adjustment of 1" by turning bolt. For use on doors up to 450 lbs. 51/4" Strap length.

No. 5042 Delrin® 500CL Bearings—Same as 5041 except includes 9, 3/4" x 2" lag screws for rail.



No. 5020 Delrin®—Flexible with drop strap. For use on doors up to 450 lbs when used in pairs with hox rail

Delrin® 500CL Bearings | **Steel Roller Bearings**

Trucks



No. 5000 Delrin® 500CL Bearings—Truck only. Durable one piece, precision formed steel. For use with all rail. For doors up to 450 lbs.



No. 5050 Steel Roller Bearings—Truck only. Durable one piece, precision formed steel. For use on doors up to 600 lbs. when used with HiTensile rails—5103 and 5114.

Straight Bolts



No. 5001 Delrin® 500CL Bearings—Includes truck, connecting bolt and nuts. For use on doors up to 450 lbs. Bolt lengths available; 31/8", 4-1/2", 5", 5-1/2" and 6."



No. 5051 Steel Roller Bearings—Includes truck, connecting bolt and nuts. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114. Bolt lengths available; 31/8", 41/2", 5", 51/2" and 6".

Offset Bolts



No. 5002 Delrin® 500CL Bearings—For use on wood lateral doors. These rigid hangers have both vertical and lateral adjustments that can be made from inside the building after installation. Bolt threaded 4", adjusts laterally 11/2" by turning offset bolt for desired clearance. Included are two washers and two hex nuts for each bolt. Bolt sizes 81/2" or 101/2". For use on doors up to 450 lbs.



No. 5052 Steel Roller Bearings—For use on wood lateral doors. These rigid hangers have both vertical and lateral adjustments that can be made from inside the building after installation. Bolt threaded 4", adjusts laterally 11/2" by turning offset bolt for desired clearance. Included are two washers and two hex nuts for each bolt. Bolt sizes 81/2" or 101/2". For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 or 5114.



No. 5005 Delrin® 500CL Bearings—For use on wood frame sliding doors, laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door strap. Door strap is 51/4" long. For use on doors up to 450 lbs.





No. 5055 Steel Roller Bearings—For use on wood frame sliding doors, laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door strap. Door strap is 51/4" long. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.

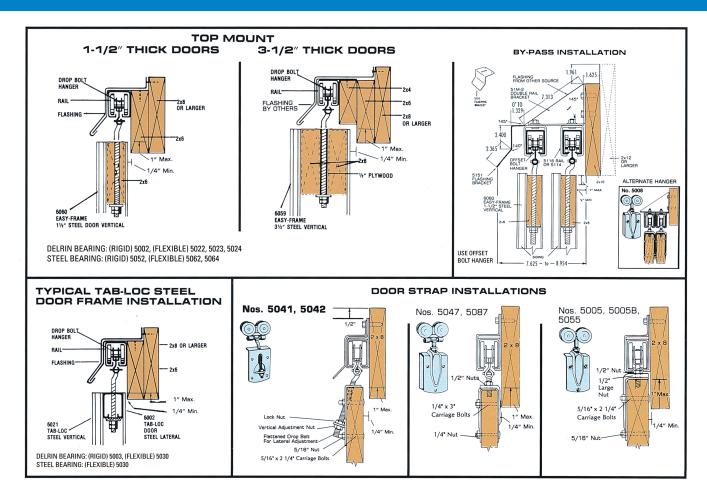


No. 5008 Delrin® 500CL Bearings—Double strap hanger for use on wood framed by-passing sliding doors. Holes are staggered for screw mounting. Packed with screws and two end caps. Door strap is 43/4" long. For use on doors up to 450 lbs.



No. 5009 Delrin® 500CL Bearings—For round-the-corner or heavy folding door installations. Adjustable. Ball bearing swivels on hanger to assure smooth, easy operation. Packed with mounting bolts and two end caps. Door strap is 63/4" long. For use on doors up to 450 lbs.

TYPICAL INSTALLATIONS - BOX RAIL



16 Gauge Rail & Hangers

Load Carrying Table (in pounds per door panel)

Delrin 500CL Bearing Hangers

Steel Roller Bearing Hangers patent No. 4,642,844

Catalog #	5000	5001	5002	5005	5006	5008	5009	5022	5023	5024	5030	5031	5040	5041	5042	5047	5050	5051	5052	5055	5062	5064	5070	5080	5087
□ 59									450				450		450					450				450	
□ 5100		450						450		450	450	450							450		450	450	450		
□ 5103																	600		600		600	600	600		
□ 5104		450						450			450								450		450		450		
□ 5105			450	450	450			450			450					450			450		450		450		
□ 5110		450		450	450				450				450	450	450	450		450		450				450	
☐ 5114																		600		600				600	600
□ 5116	450	450		450	450	450	450						450	450	450	450		450		450				450	

Many hangers are specially packaged for a particular rail; however, any hanger in this table can be used with any rail in this table for doors up to 450 lbs.

Specialty Box Rail Hangers

Lightweight Hanger



No. 56 Hanger—For doors up to 150 lbs. 51 series rail to bypass lightweight thin doors 7/8"max



No. 47 Steel Roller Bearings—Accordion door hanger for use in churches, schools, and auditoriums.

Vertically adjustable. Mounting plate is NOT included. 150# capacity.

Conveyor Hangers



No. 48 Steel Roller Bearings—Cast body. Single axle hanger is ideal for curtains in welding shops, spray booths, truck docks, and other industrial applications. For use with all rail. Hanger holds up to 150 lbs.



No. 50C Steel Roller Bearings—Cast body. Eye bolt hanger, with bumpers to protect wheels when hangers run together. For carrying electric cable on cranes and for use on conveyor systems. For use with all rail. Hanger holds up to 225 lbs.



Round Rail & Round HangersTRACK MASTER*

National Hardware's Trackmaster round rail and hangers are advanced design with flat top and sides for easier mounting and better stability. Designed for doors weighing up to 600 lbs. Trackmaster allows track to be self cleaning and smoother operation. Manufactured in the USA from galvanized steel for weather resistances and strength.



TRACK MASTER°

Benefits



TrackMaster™ is interchangeable with other brands of round rail and hangers.

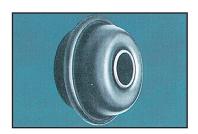
TrackMaster[™] Hangers can be used with Cannonball[®] and Combo[®] brand* rail—and vice versa. So, when you add National Trackmaster Round, you can supply replacement components to current customers.



Precision ground and hardened steel roller bearings for longer, smoother operation.



Quiet, smooth rolling Delrin® wheels have steel roller bearings and hold up to a 600 lb. door per pair.



Hardened steel wheels with steel roller bearings hold up to a 600 lb. door.



Galvanized Steel Round Rail

- Easier mounting and alignment with flat top and sides.
- Self-cleaning and self-aligning round body.



Unique Snap-On Flashing Bracket for 1 ½" or 3 ½" Thick Doors

 Simplifies rail installation. Just attach rail into track board and "snap-on" flashing brackets then add flashing.

All new brackets can be used with a snap-on flashing bracket







TrackMaster "Round" Checklist

Rail

5400	Plain Rail (6' – 24')	
5430	Face Mount Rail (8' – 20')	
5433	5433 Top Mount Rail (8' – 20')	
5460	Top Mount Rail with Flashing Brackets (8' – 20')	

Door Frames

TAB-LOC™ (Steel) 6021, 6002, Easy Frame® Verticals (Steel & Wood) 6060, 6059 Max Easy Frame® (Aluminum)

Bottom Guide

Continuous Bottom Guide 6061, 6062, 6053

Accessory Hardware

Pulls, Stops, Latches, etc.

Hangers

Delrin® Wheels, Flexible Trunnion, Steel Roller Bearings

5301	Straight Bolt 3-1/8" or 4 ½"	
5302 Offset Bolt (Wood Door)		
5306	Heavy Single Door Strap	
5310	10 Offset Bolt (TAB-LOC™)	
5330	Door Strap	
5332	Door Strap with Outside Adjustment	

Hardened Steel Wheels, Flexible Trunnion, Steel Roller Bearings

5351	Straight Bolt 3-1/8" or 4 ½"
5352	Offset Bolt (Wood Door)
5360	Offset Bolt (TAB-LOC™)
5380	Door Strap
5382	Door Strap with Outside Adjustment

Flashing & Flashing Brackets

5436	Snap-On Flashing Bracket (1 ½" Door)	
5437	Snap-On Flashing Bracket (3 ½" Door)	
5450	5450 Face Mount Flashing (1 ½" Door)	
5455	Top Mount Flashing (1 ½" Door)	

Rail/Mounting Brackets

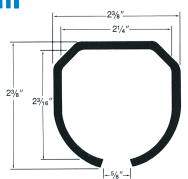
5405	Splice Collar
5408	Rail End Cap
5410	Single Bracket
5411	Single Splice Bracket
5412	Adj. Single Bracket
5413	Adj. Single Splice Bracket
5414	Adj. Double Bracket
5415	Adj. Double Splice Bracket
5418	Rail Bracket Only
5419	Splice Bracket Only

^{*}Cannonball® and Combo® are registered trademarks of Cannonball Industries, Inc. and Combo Corp.

TrackMaster® Round Rail

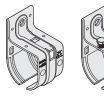
No. 5400 Plain Rail -

Separate face-mount brackets. For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel bundled without fasteners or brackets. For use with various types of single and multiple brackets. In 6' to 24' lengths.





Rail Brackets (Lag Bolts Included)





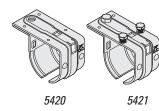
5421

No. 5420 Single Bracket

Wall mount. Used at two-foot intervals to bring rail to side of building. 10 each (100-006)

No. 5421 Single Splice Bracket

Wall mount. A splice bracket with set screws to join and hold two lengths of rail together. 5 each (100-007)

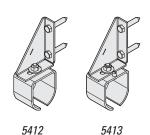


No. 5420 Single Bracket-Top Mount

Top Mount design so brackets can be installed on a 2 x 6 header board. Used at 2ft intervals. 10 each (N100-008)

No. 5421 Single Round Splice Bracket-**Top Mount**

Top mount splice bracket with set screws to join and hold two lengths of rail together. 5 each (N100-009)

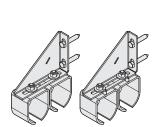


No. 5412 Adjustable Single Bracket

Wall mount. Used at two-foot intervals to hang rail to side of building. Ideal for use on corrugated siding due to narrow surface. 10 each (193 - 888)



Wall mount. A splice bracket with set screws to join and hold two lengths of rail together. 10 each (193-896)



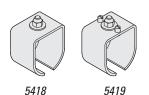
5415

No. 5414 Adjustable Double Bracket

Wall mount. Used at two-foot intervals to bring double runs of rail to side of building for bypass installation. Ideal for use on corrugated siding due to narrow surface. 10 each (193-904)



Wall mount. A splice bracket with set screws to join and hold two double lengths of rail together. 2 each (193-912)



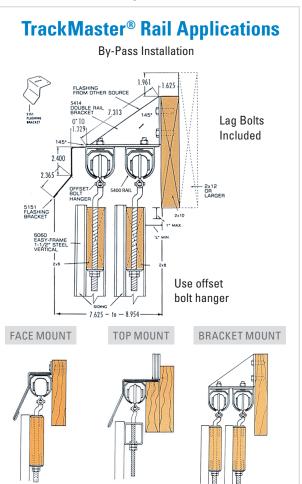
No. 5418 Rail Bracket Only (No lag bolts)

Packed with bolt, nut and washer. 50 each (193-920)

No. 5419 Rail Splice Bracket Only (No lag bolts)

Packed with bolt, nut and washer.

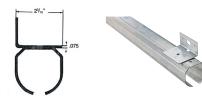
10 each (193-938)





No. 5433 Top Mount Rail

Welded-on top mount brackets (2 foot O.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. Welded on mounting brackets for fast, easy installation. Just nail the rail to track board. If flashing is required, use our #5436, 5437 Snap-On Flashing Brackets. For 11/2" doors use our #5455 flashing and 5436 brackets. Rail in 8'-20' lengths.



No. 5430 Face Mount Rail

Welded-on face mount brackets (2 foot 0.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. Welded on mounting brackets for fast, easy installation. If flashing is required, use our Snap-On Flashing Brackets #5436 or 5437. For $1\frac{1}{2}$ " doors use our #5450 flashing and 5436 bracket. Rail in 8'-20' lengths.

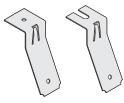


No. 5460 Top Mount Rail with Attached Flashing Brackets

Welded-on top mounting brackets (2 foot 0.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. No. 5455 flashing fits easily over rail and bracket. Rail in 8'– 20' lengths.

Unique Snap-On Flashing Bracket For 1 ½"or 3 ½" thick doors.

Simplifies rail installation. Just attach rail to track board and "snap-on" flashing brackets—then add flashing.



5436 .075 Material Thickness

5438

075 Material

Thickness

5436 .075 Material Thickness

5439

075 Material

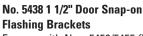
Thickness

No. 5436 1 ½"Door Snap-On Flashing Bracket

Snaps-On 5430/5433 rails. For use with Nos. 5450/5455 flashing. Galvanized steel. 50 each (194-001)



Custom slot in the top of the bracket allows for installation with rail brackets bolted to a triangle or strap support. For use with 5450 flashing, 50 each (N340-752)



For use with Nos. 5450/5455 flashing. Galvanized Steel. 25 each (N100-010)

No. 5439 3 1/2" Snap-on Flashing Brackets

Designed to snap into plain rail brackets that have a square hole in the top. USE FLASHING FROM ANOTHER SOURCE. 25 each (100-011)



For 5430 rail and 5436 Flashing Brackets. Ten-foot sections. White finish. Twenty-eight gauge steel. 10 each (194-027) For 1 ½" doors.

No. 5455 Top Mount Flashing

For 5433 rail and 5436 Flashing Brackets. Ten-foot sections. White finish. Twenty-eight gauge steel. 10 each (194-035) for 1 $\frac{1}{2}$ " doors.



5437 .075 Material Thickness



No. 5437 3 ½"Door Snap-On Flashing Bracket Snaps-On 5430/5433 rails. Flashing from alternate source. Galvanized steel. 50 each (194-019)



No. 5405 Splice Collar

Unique design supports the end of two rails while not interfering with flat mounting surface of rail. No fasteners required. Simply slide onto rail while installing. Use with #5430, 5433 and 5460 rails. 10 each (193-847).



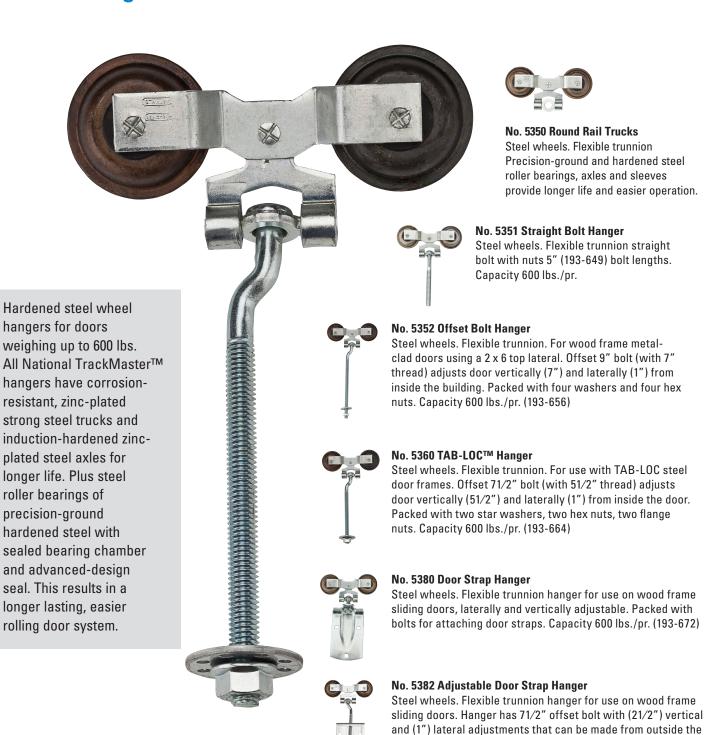


No. 5408 Rail End Cap

(No lag bolts.) Packed with bolt, nut and washer.



Flexible Hangers with Hardened Steel Wheels



building. Packed with bolts for attaching door straps. Capacity

600 lbs./pr. (193-680)

Flexible Hangers with Delrin® Wheels



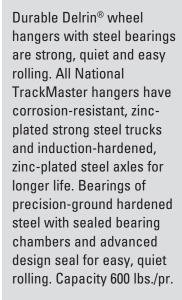
5300 Round Rail Trucks

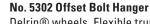
Delrin wheels. Flexible trunnion.
Precision-ground and hardened steel
roller bearings, axles and sleeves
provide longer life and easier operation.



No. 5301 Straight Bolt Hanger

Delrin® wheels. Flexible trunnion straight bolt with nuts 31/8" (193-698) or 5" (193-706) bolt lengths. Capacity 600 lbs./pr.





Delrin® wheels. Flexible trunnion. For wood frame metal clad doors using a 2 x 6 top lateral. Offset 9" bolt (with 7" thread) adjusts door vertically (7") and laterally (1") from inside the building. Packed with four washers and four hex nuts. Capacity 600 lbs. (193-714)



No. 5306 With Heavy Single Door Strap

Delrin® wheels. Flexible trunnion for use on wood frame doors. Satin black finish. (208-504)



Delrin® wheels. Flexible trunnion. For use with TAB-LOC™ steel door frames. Offset 71/2" bolt (with 51/2" thread) adjusts door vertically (51/2") and laterally (1") from inside the building. Packed with two star washers, two hex nuts, two flange nuts. Capacity 600 lbs./pr. (193-722)



No. 5330 Door Strap Hanger

Delrin® wheels. Flexible trunnion hanger for use on wood frame sliding doors. Laterally and vertically adjustable. Packed with bolts for attaching door straps. Capacity 600 lbs./pr. (193-730)



No. 5332 Adjustable Door Strap Hanger

Delrin® wheels. Flexible trunnion hanger for use on wood frame sliding doors. Hanger has 71/2 offset bolt with (21/2) vertical and (1) lateral adjustments that can be made from outside the building. Packed with bolts for attaching door straps. Capacity 600 lbs./pr. (193-748)





FARM & COMMERCIAL SLIDING DOOR SYSTEMS



2016 PRODUCT CATALOG



WeatherGuard™ protection greatly enhances the performance of standard zinc products, formulated to withstand the harshest weather conditions and stand up to the corrosive effects of pressure treated lumber. Extensive testing and field use have proven WeatherGuard is far superior in corrosion resistance over competitive standard zinc-plated products.

When subjected to 312 hours of salt fog spray testing (BHMA A156.18), standard zinc hardware showed severe corrosion while hardware protected by WeatherGuard withstood these harsh conditions with very little deterioration.

Benefits of WeatherGuard™:

- Superior corrosion protection for indoor & outdoor use
- Extends the life and aesthetics of steel hardware products
- Safe for use with pressure treated/ACQ lumber

For more information about WeatherGuard™ visit: www.nationalweatherguard.com

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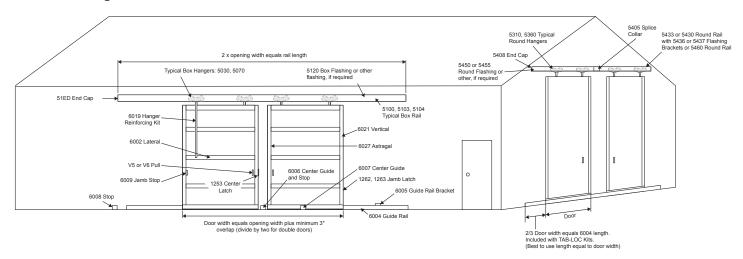
SLIDING DOOR APPLICATIONS



TYPICAL INSTALLATIONS

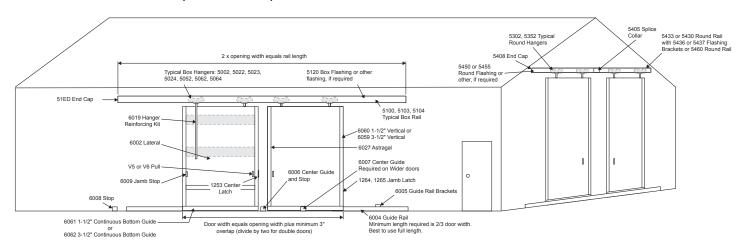
Tab-Loc™/ Max Easy-Frame®

Steel Sliding Door Frame



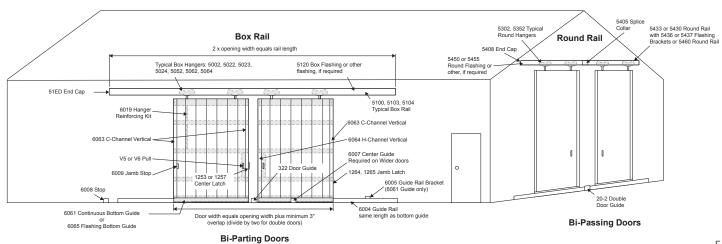
Easy-Frame®

Steel Verticals for 1-1/2" and 3-1/2" Wood Laterals



Aluminum Door Frame

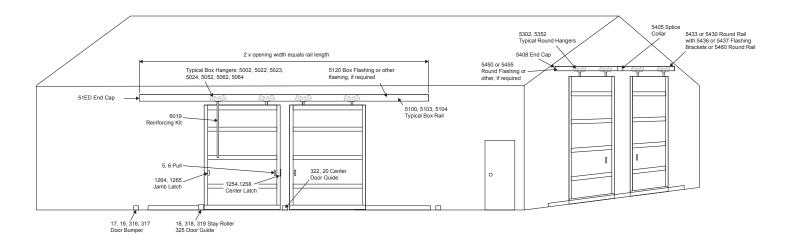
1-1/2" Wood Laterals



TYPICAL INSTALLATIONS

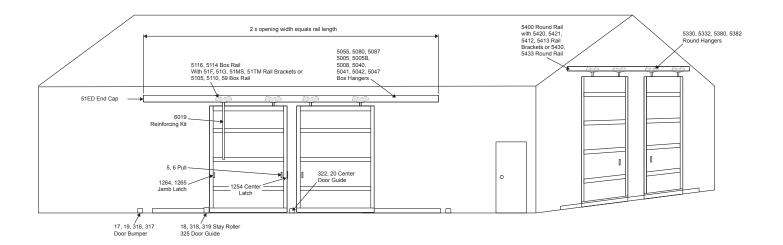
All Wood Frame Sliding Door

1-1/2" or 3-1/2" Thick With Metal Siding on Metal Sided Building



All Wood Frame Sliding Doors (Less Than 1-1/2" Thick Frame)

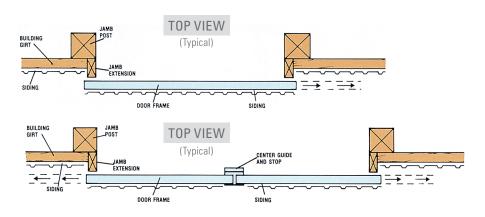
Less Than 1-1/2" Thick Frame With Wood Siding on Wood Sided Building

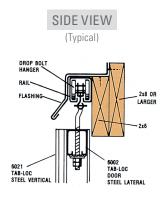


TYPICAL INSTALLATIONS

Single & Bi-Parting for Box & Round Rail

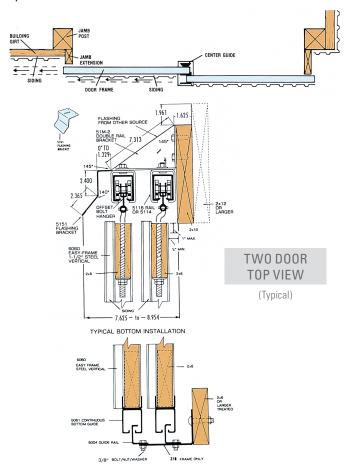
Operation: A single sliding door, or two sliding doors meeting at the center of the opening (bi-parting) allowing maximum doorway access to the building. This system requires a single run of rail approximately twice the width of the door opening running along the door side of the building to carry the door(s).





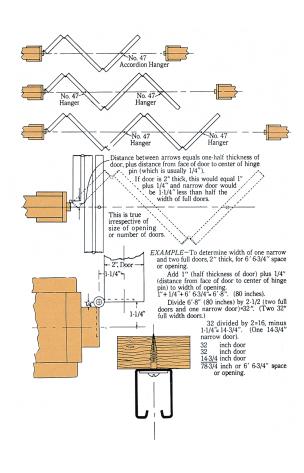
By-Passing for Box & Round Rail

Operation: Two runs of rail carry two or more door panels. When open, the inner panel(s) store behind the outer panel(s). Triple brackets are also available for triple runs of rail.



Accordion

The Accordion system is used in churches, schools and auditoriums or wherever a number of doors are hung together in series in an opening. No. 47 hangers and 5116 or 5114 rail are used. The system can be suspended from the header with ceiling brackets, or the rail may be secured with tech screws drilled directly to the header.



SLIDING DOOR SYSTEMS PLANNER

Single & Bi-Parting	By-Passing	Accordion/Fold
☐ Box or Round Rail	☐ Box or Round Rail	☐ 5116 Box Rail
☐ Rail Brackets (if needed)	☐ Double or Triple Rail	☐ Box Rail Brackets
☐ Rail Flashing (if needed)	Brackets	☐ 47 Accordion Hangers
☐ Hangers	☐ 5151 Flashing Brackets	□ Door Guides
□ Door Bumpers/Stops	☐ Hangers	☐ 835-24" Cane Bolt
☐ Door Guides	☐ Door Bumpers	☐ 512 or 129 Hinges
☐ Floor Mounted	☐ Door Guides	☐ Door Pulls
☐ Side Mounted	☐ Floor Mounted	☐ Center Latch
☐ Stay Rollers	☐ Side Mounted	☐ Door Frame Systems
☐ Jamb Latches	☐ Stay Rollers	□ Tab-Loc [™]
☐ Center Latch	☐ Jamb Latches	☐ Easy-Frame®
☐ Door Pulls	☐ Center Latch	□ Aluminum
☐ Door Frame Systems	☐ Door Pulls	
□ Tab-Loc [™]	☐ Door Frame Systems	
☐ Easy-Frame®	□ Tab-Loc [™]	
☐ Max Easy-Frame®	☐ Easy-Frame®	
☐ Aluminum	☐ Max Easy-Frame®	
	□ Aluminum	

SLIDING DOOR FRAMES - TAB-LOC™



Tab-Loc™

Steel Sliding Door Frame

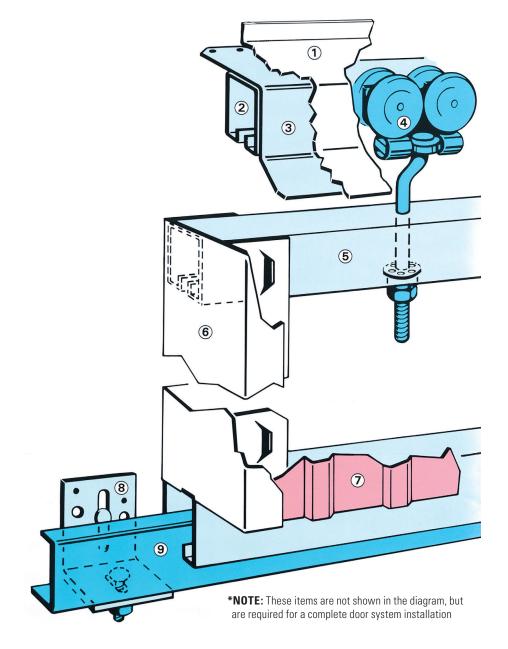
The All Steel Sliding Door Frame available with 1-7/8" thick laterals. The 1-7/8" door is fabricated entirely from 16 gauge galvanized steel with self-flashing verticals having a durable, powder coated white finish. It has pre-finished, self-flashing verticals. It's lighter than wood, yet is much stronger to last a lifetime. It won't crack, warp, rot, swell or stick.

Steel Verticals available for 1-1/2" and 3-1/2" wood laterals. The 16 gauge galvanized steel verticals are pre-punched for nails and are self-flashing with a durable, powder coated white finish. Wood laterals simply slide into the Easy-Frame® steel verticals, and door siding slides into the flashing channel eliminating separate flashing.

SLIDING DOOR FRAMES - TAB-LOC™

Materials Checklist

- 1. Rail cover
- 2. Rail
- 3. Rail bracket
- 4. Hanger
- 5. Steel lateral
- 6. Pre-finished steel vertical
- 7. Door covering/siding
- 8. Guide rail bracket
- 9. Guide rail
- 10. Center guide & stop (for bi-parting doors)*
 - 10a. Center guide (for larger, single doors)*
- 11. Door stop (bottom mount)*
 - 11a. Door stop (jamb mount)*
- 12. Jamb latch*
 - 12a. Center door latch (for bi-parting doors)*
- 13. Door pull*
- 14. Door astragal*



How to Figure Out a TAB-LOC All Steel Sliding Door

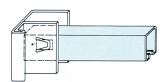
- What size opening to be covered? It's best to utilize standard sizes.
- Will door be double or single panel?
- Allow for panel to overlap jamb 1.5" at each end or add 3" to total width.
- Height should be the same as opening, which assumes door will lap trackboard 1/2"-1", leaving 1/2"-1" gap for clearance under door.
- Determine rail to be used (i.e. box, round) and determine style (ie. face mount, top mount). Include flashing if required and other accessories such as end caps, splice collars, flashing brackets, etc.
- Choose hanger to be used. Always use one designed for TAB-LOC. If door panel is 16¢ or wider, a third hanger should be used, or two tandem brackets.
- Figure two #6021 verticals for each door panel, remember, if opening is using a double door, you'll need four verticals.
- In National price book next to size of #6021, check asterisk number (i.e. *6).
 This tells you how many laterals are needed.
- Order #6002 laterals to make width needed. If door panel is over 12' wide, add one extra to stiffen bottom of panel or you must order #6007's.

- Check next to #6002 size for another asterisk number (i.e. *6)
 which tells you the minimum length of #6004 guide rail. Full length is best.
- Order #6004 guide rail. The heading will show number of #6005 guide rail brackets needed.
- Order #6005 brackets
- For a double door, order two #6006 center guide/stops and if door panel is over 12' wide and you did not add an extra #6002, order 2 #6007 center guides.
- Order the stops. Either #6008 base mounted or #6009 jamb mounted.
 If door is a single slide, one must be a #6008.
- Order jamb latches #1262 or #1263 and center latch #1253.
- If needed order #6019 Reinforcing Kit.
- Order #6 pulls if desired, preferably white.
- If desired, order a #6000T assembly tool.
- If door is bi-parting, order #6027 Astragal.
- If needed, order #6003 Stiffener Strip.

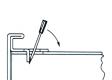
SLIDING DOOR FRAMES - TAB-LOC™

TAB-LOC lets one man assemble a steel door frame in 10 minutes.

The secret is our exclusive, patented locking tabs. These built-in fasteners are pre-punched into the frame members. Just bend the tabs down into matching slots for a square, tight, permanent steel door frame. Unlike any other door frame, you don't even need a level area for assembly. Once you're familiar with TAB-LOC, 10 minutes is all it takes to get a frame ready to attach the siding. In fact, the door can be completed and hung in under an hour to previously installed rail.

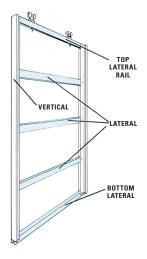


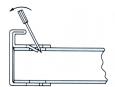
1. Align tabs over slots in cross members



3. For best results assembling TAB-LOC frames, lay the components face down and set the tabs on the back side fully. Turn the frame over and set the front side tabs fully. Larger doors may be assembled on saw horses with the front side up and by setting the tabs on the back side of the door by reaching up from the underneath side eliminates turning of the door. Install the hangers in the frame.

Measure diagonally to square the frame, attach the steel siding. Do not hang the frame before the siding is applied.

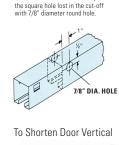




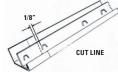
2. Insert screwdriver blade to start tab.



Lock tabs permanently with our special tapered tool #6000T.

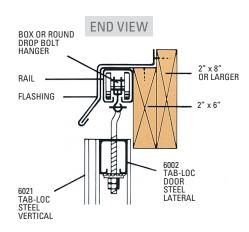


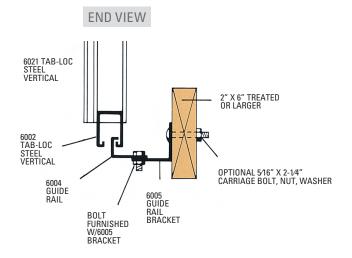
To Shorten Door Lateral

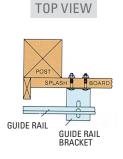


Applications for installing sliding door on building.

The secret is our exclusive, patented locking tabs. These built-in fasteners are pre-punched into the frame members. Just bend the tabs down into matching slots for a square, tight, permanent steel door frame. Unlike any other door frame, you don't even need a level area for assembly. Once you're familiar with TAB-LOC, 10 minutes is all it takes to get a frame ready to attach the siding. In fact, the door can be completed and hung in under an hour to previously installed rail. The secret is our patented TAB-LOC system.





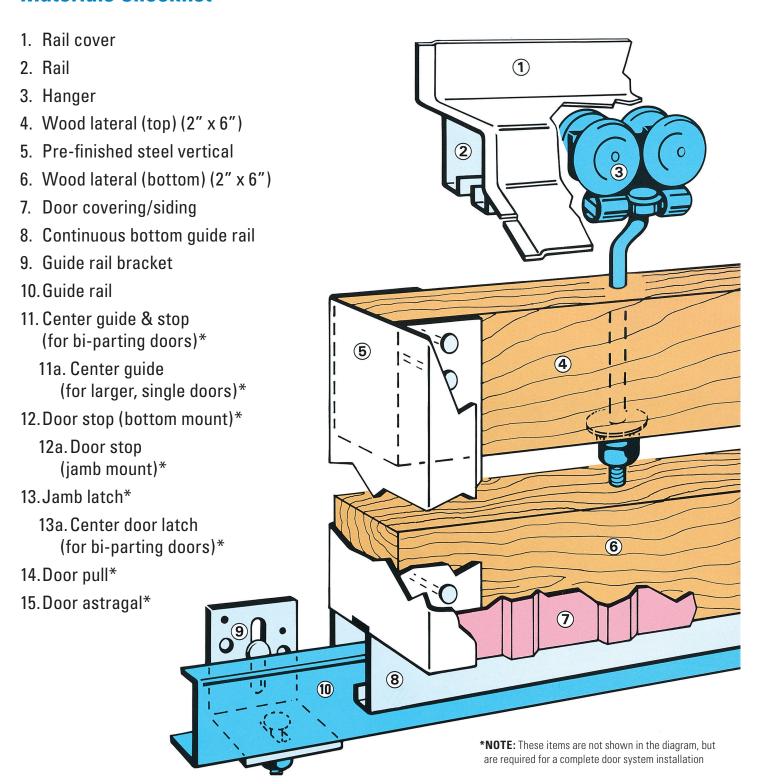


SLIDING DOOR FRAMES - EASY FRAME®

Easy Frame® Steel & Wood Frame

for 11/2" and 31/2" wood laterals for Box and Round Rail Systems

Materials Checklist

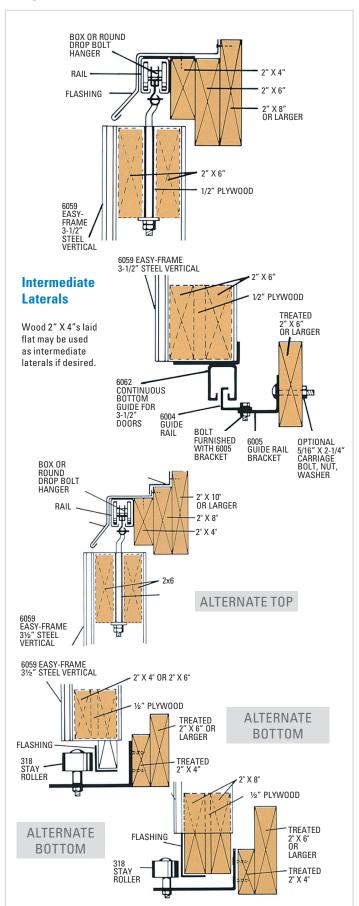


SLIDING DOOR FRAMES - EASY FRAME®

1-1/2" Thick Door

BOX OR ROUND DROP BOLT HANGER RAIL 2" X 8" OR LARGER FLASHING 2" X 6 2" X 6" 6060 EASY-FRAME 1-1/2" STEEL DOOR VERTICAL 6060 EASY-FRAME VERTICAL 2" X 6' TREATED 2" X 6" OR LARGER 6062 OPTIONAL 6004 GUIDE RAIL 5/16" X 2-1/4" CARRIAGE 6005 GUIDE BOLT, NUT, WASHER RAIL BRACKET BOLT / FURNISHED W/6005 BRACKET ALTERNATE BOTTOM 6060 EASY-FRAME 1-1/2" STEEL VERTICAL TREATED 2" X 6" OR LARGER FLASHING TREATED 2" X 4" ALTERNATE BOTTOM 6060 EASY-FRAME 1-1/2" STEEL VERTICAL FLASHING 1" X 4" TREATED 2" X 6" OR LARGER FLASHING STAY ROLLER TREATED 2" X 4"

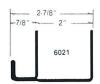
3-1/2" Thick Door



TAB-LOC[™]



6021 Door Verticals—Pre-finished, self-flashing, 16 gauge galvanized steel verticals. Door covering slides into channel of vertical for a clean, smooth fit. No flashing needed—vertical provides a clean, finished edge. Available in 7–17 ft. in one-foot increments.





6002 Door Laterals—The galvanized 16 gauge laterals are pre-punched at each end for easy attaching to vertical members. All laterals have hanger holes pre-punched and can be used as either top, bottom or intermediate door members. Available in 4–20 ft. sections.



1253 Center Door Latch—Cam action, adjustable hook holds bi-parting doors tight. For TAB-LOC™ or EASY-FRAME® doors 11/2" or thicker.



6000T TAB-LOC™ Assembly Tool— This tool is helpful in bending the special locking tabs into slots on frame.



1262/1263 Jamb Latches—Cam action and adjustable hook holds door firmly against the jamb. 1262 has 7 in. hook; 1263 has 4 in. hook.



6003 TAB-LOC™ Stiffener Strip—

12¢ length used to strengthen 14¢ and above #6021 TAB-LOC™ verticals when used in high wind areas. Flat strip slides into vertical before laterals are installed.

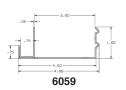
Easy Frame®



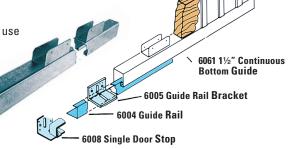
6060 1½" Door Verticals—Self-flashing verticals with powder coated white finish over galvanized 16-gauge steel. Pre-punched on 24" centers for attaching $1\frac{1}{2}$ " lateral members.



6059 3½" Door Verticals—Self-flashing verticals with powder coated white finish over galvanized 16-gauge steel. Pre-punched for attaching 3½" lateral members. Also available in non-punched 16-gauge galvanized finish.



6061 1½" Continuous Bottom Guide—For use on wood frame doors. When nailed to the bottom of a 1½" wood framed door, the continuous bottom guide engages with the No. 6004 Guide Rail to prevent damage to door or building.



Guide—Same as 6061 Bottom Guide for attaching to $3\frac{1}{2}$ " wood framed doors.

TAB-LOC™ & Easy Frame® Accessories



6004 Guide Rail—Engages the bottom lateral of TAB-LOC™ doors to hold the door in place and prevent wind damage. Fastens to building with No. 6005 Guide Rail Bracket. Guide rail also used with 6061/6062 Continuous Bottom Guides.



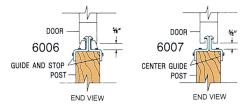
6007W Center Guide—For use in pairs. The 6007W is a heavy-duty center guide for single or bi-parting MAX EASY-FRAME® doors and is recommended for single doors 16 foot and wider, plus all bi-parting MAX EASY-FRAME® door systems. Should be installed in the center of the opening and works with the 6053 bottom lateral.



6006 Center Guide and Stop for Bi-Parting Doors—For use in pairs. The 6006 is a heavy-duty center guide and stop that engages bottom lateral of TAB-LOC™ doors in closed position. Also used with 6061/6062 Continuous Bottom Guide.



6005 Guide Rail Bracket—For use with No. 6004 Guide Rail. Slotted hole in each leg allows both lateral and vertical adjustments. Bolts, nuts and washers included.





6008 Single Door Stop—Engages bottom of single TAB-LOC™ door in the open and closed position and bi-parting doors in the open position holding them firmly against the building. This can also be used on wood framed doors using the No. 6061 or 6062 Continuous Bottom Guide.



6007 Center Guide for Single Doors—

For use in pairs. The 6007 is a center guide for single TAB-LOC™ door and is recommended for doors 12 foot and wider. This should be installed in center of opening. Also used with 6061/6062 Continuous Bottom Guide.



1254 Center Door Latch—Cam-action, adjustable hook holds bi-parting doors tight. For wood doors 1½" or thicker.



6027 Door Astragal—A pre-finished, white, extruded aluminum used to cover the gap between bi-parting doors. The unique design allows it to wrap around the flashing channel of the vertical. Astragal fits both TAB-LOC™ and EASY-FRAME® doors and attaches with pop rivets. Available in 10, 12, 14, and 16 foot lengths.



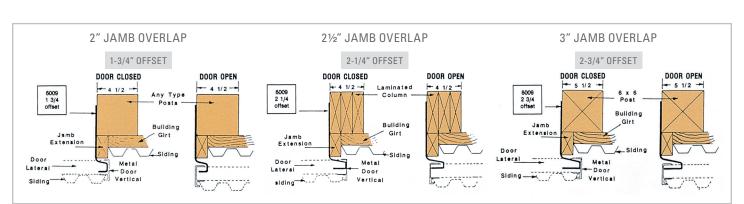
1264/1265 Jamb Latches—A cam-action latch designed to hold wood or metal sliding doors firmly in place against the door jamb. Also used on end gates, stake panels on trucks and other closures on farm buildings. Adjustable 4 inch hook. For right or left-hand installation. Handle of No. 1265 Latch can be used as a stop when door is in fully open position—simply flip handle approximately 180 degrees. No. 1264 Latch with

7 inch hook suitable for use where a long reach is

necessary because of jamb construction.



6009 Jamb Mount Door Stop—Stops and holds door in both open and closed positions. The end with right angle projects slightly beyond the jamb and engages the vertical member of TAB-LOC™ or EASY-FRAME® door frame. Available in 3 sizes.



Additional Accessories

For a complete listing of all available hardware, see your retailer



17 Door Bumper—Strong, sturdy, steel barn door bumper. Has extra heavy ribs for strength. Easy to attach. For 2" thick doors.



316 Adjustable Door Bumper—Heavy-duty adjustable for single sliding or bi-parting door from 2½" to 3-1/8" thick.



20 Single Door Guide— Adjustable to maximum 3" door.



322 Door Guide—Heavy-duty center floor guide for bi-parting and single sliding metal or wood doors. Smooth ramp on each side prevents tire cutting. Mounts on concrete floors with lag screws and shields or on a 6"x 6" post. A 1/2" rod or bolt inserted through hole in each side serves as a center stop for bi-parting doors.



318 Stay Roller—For heavy-duty use. Slots in frame provide adjustment for holding sliding doors against wood walls or posts. Sturdy steel frame. Reversible. For doors up to 3-3/4" thick.



319—Heavy-Duty Stay Roller with Derlin® wheel and 3/8" x 4-1/2" lag screw with expansion shield. For doors of any thickness.



6 Door Pull—Extra heavy for variety of applications. White vinyl coated, zinc, galvanized or black. Length 6-3/4", width 1-3/8".



1134 Slide Bolt Latch—For doors and gates swinging in or out. Handle serves as pull. May be padlocked. Zinc plated, galvanized or satin black finishes.



1135 Latch—Sturdy, easy-operating, all purpose latch. Handle serves as a pull; latches right or left. The latch bar securely attached with two sets of guides and back plates, which provide a bearing surface for the bar and eliminate "grooving" of the wood as bar is moved back and forth. Extra strong bar strike has rounded edges. Ideal for horse barns and livestock enclosures.



1136 Stall and Gate Latch—Ideal for horse and other livestock stalls, residential or rural gates, doors, etc. Automatic retractable bolt clears entry. Rounded edges protects livestock. Right or left hand application. Zinc plated with weather proof finish.



25 Swinging Door Latch—Heavy-duty self-latching. Designed for installation on 3/4" to 2-1/4" thick doors. Bolt has rounded face to insure easy latching. Handle designed to prevent flattening when door swings back against building. Available for 3" door thickness. Available in zinc, black and stainless steel finish. Packed with hold-open catch.



835 24" Cane Bolt—Adjustable throw. Self-locking when mounted vertically.



19 Door Bumper—For 2-3/4" thick doors. A rugged, heavy-duty doorstop.



317 Adjustable Door Bumper—For by-passing or single sliding doors of greater thickness than No. 316 will accommodate. For 4-1/2" to 6" thick doors.



20-2 By-passing Door Guide—
Adjustable to maximum 3" door.



325 Door Guide—Extra wide guides ideal for corrugated metal-clad doors. Easy to install. Fasteners not furnished, but guides have holes for spikes as well as larger holes for 3/8" lag-screw mounting. Guide is adjustable for doors 5" x 5-1/2" thick. Curved section of guide may be turned sideways allowing straight access when installing screws.



18 Stay Roller—Embossed frame with two wings provide greater bracing and holding strength than conventional single-support, corner-iron frame. Derlin® wheel assures rust-free operation. Adjustable. For doors up to 2-1/4" thick.



13B Latch—Similar to No. 13 but furnished with extra strong bar strike with rounded edges. Sturdy one-half inch thick bar strike eliminates breakage. Can be padlocked. Cam action between handle and bar strike holds door tightly closed preventing door rattle.



6017 Adjustable Reinforcing Strap—Distributes the weight of door equally between the top and 2nd lateral by securely fastening them together. Adjustable from 30.50 inches to 19.38 inches. Used on doors with 3-1/2" laterals at hanger locations.



6018 Rigid Reinforcing Strap—Distributes the weight of door equally between the top and 2nd lateral by securely fastening them together Fixed size of 30.50 inches. Used on doors with 3-1/2" laterals at hanger locations.



6019 Hanger Reinforcing Kit—Boxed extension kit attaches to drop bolt hangers (box or round styles) to allow weight of door to be carried by both top and 2nd lateral in door. Kit includes: $2 - 1/2" \times 36"$ threaded rod, 2 - 1/2" couplers, 2 - 1/2" flat washers, 2 - 1/2" flange nuts, 4 - 1/2 "jamb nuts, and directions

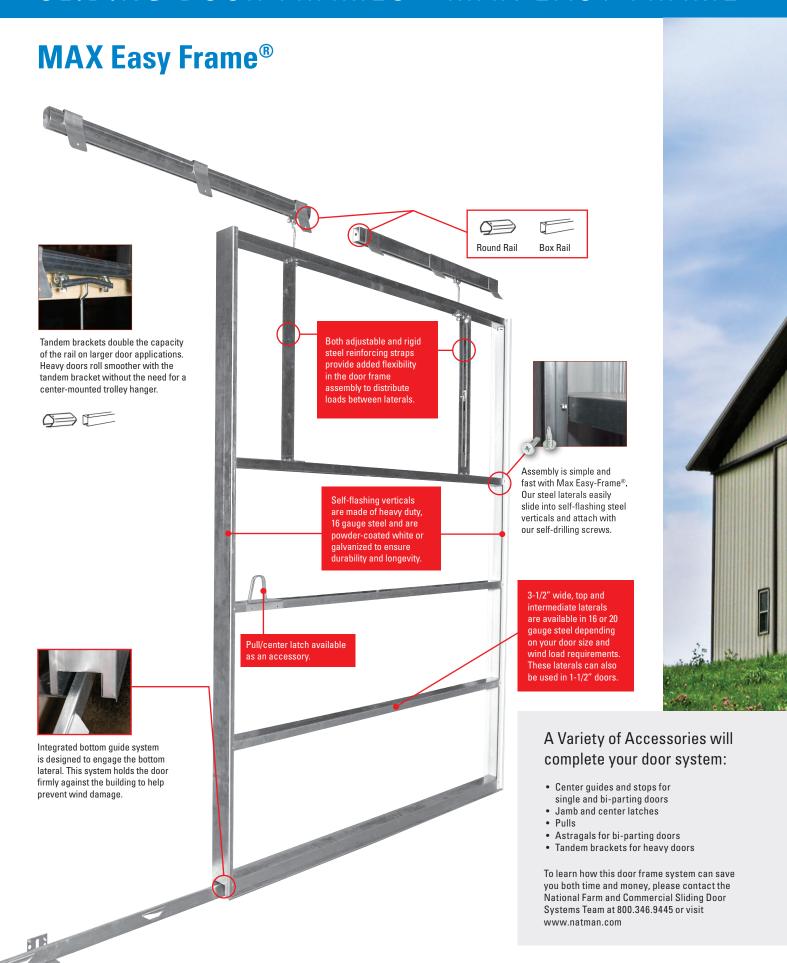


2180 Turnbuckle Gate Hook and Eye—Designed to draw large doors tight by twisting turnbuckle after door is hooked. Ideal for heavy warehouse, grain bin, or machine shed doors.



832 Barrel Bolt—Extra heavy for use on doors, stock rooms, farm buildings and situations where additional security is desired. Furnished with surface and universal strikes. Can be padlocked. Steel body with rust resistant, zinc-plated finish.

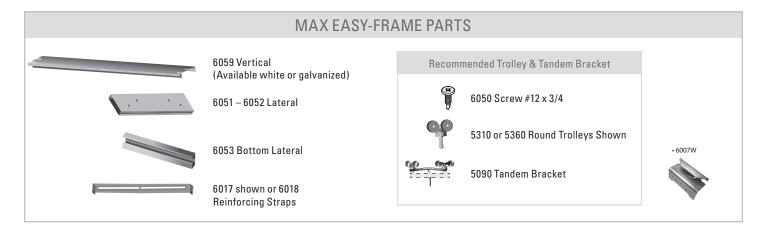
SLIDING DOOR FRAMES - MAX EASY FRAME®



SLIDING DOOR FRAMES - MAX EASY FRAME®

Assembling & Installing

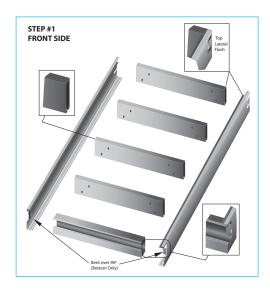
3.5" Max Easy-Frame® Steel Doors



STEP 1

Preliminary layout:

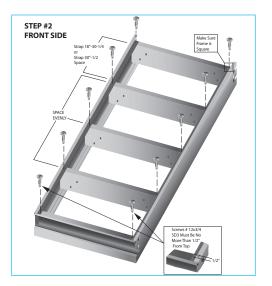
Once it is determined that verticals are the right length for the door height and laterals are the right length for the door width, lay verticals with front side of door up on 4 saw horses set diagonally. Evenly place the laterals into the verticals with the open side toward the ground. The top lateral should be flush with top of the verticals in 90 degrees. The 6052 bottom lateral is placed on top of these tabs and should have the lip that the siding sits on up towards the front side of the door.



STEP 2

Connect the laterals to the front side of the verticals:

Check that frame is square by measuring diagonally in both directions. The top lateral and the second lateral should be spaced to accept the 6017 adjustable reinforcing strap 18" – 30-1/4" or the 6018 rigid reinforcing strap that requires 30-1/2" spacing. Hint, use the 6017 or the 6018 to achieve this proper spacing. The remaining laterals should be evenly spaced. After verifying correct spacing, using a #12 x 3/4" SD3 pancake quadrex self-drilling screw. (Recommended driver fit #2 size) drive 1 screw through the front side of the vertical into each of the laterals, while making sure the lateral is pushed tightly into the vertical. Warning, the screws going into each end of the 6053 bottom lateral must be installed 1/2" from the top of this lateral as to not interfere with the guide rail that will run inside this part after installation.



SLIDING DOOR FRAMES - MAX EASY FRAME®

STEP 3

Connect the laterals to the back side of the verticals:

Re-check that frame is square by measuring diagonally in both directions. Frame can easily be moved into square at this time. After locating on the underside of the vertical the scored screw locator line (keeps your screws from walking) use the same #12 x 3" self drilling screws and drive screws into each of the legs of the laterals (2 screws per each end of each lateral from the underside), while making sure lateral is pushed tightly into the vertical. Just use 1 screw on the special 6053 bottom lateral, remembering to keep it $\frac{1}{2}$ " from the top of this lateral.

STEP 4

Install the 6017 or 6018 reinforcing straps:

Again using the #12 x 3/4" self drilling screws install between the top and the second lateral either your 6017 or 6018 reinforcing straps over each of the 1/2" hanger bolt holes located 1" from the inside edge of the door lateral (used with 1-1/2" track board), or over the 1/2" hole in the center of the lateral (used with 3" track board). **Warning**, the 6017 or 6018 reinforcing straps **must** be installed with the wide 3-1/2" side running parallel to the verticals.



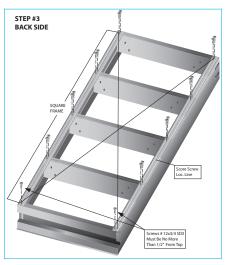
Install trolleys:

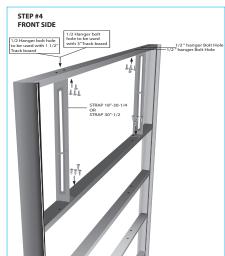
At this time install your trolley hangers. When using the 5090 tandem bracket install the completed assembly with hangers at this time. Make preliminary adjustment on hanger assembly to throw your door away from the building as far as possible. Final hanger adjustments should be made and secured after door is sided and is hung.

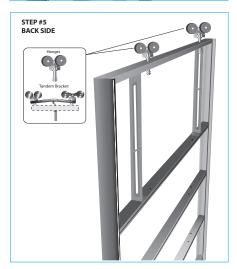


Hang the door:

Warning, the frame can not be hung on the track without any of the sliding attached. The best way to prevent damage to the door is to always lift the door by hand, but we realize that many doors will be lifted mechanically. Now is the final time to check that the frame is still square. Once that is done lay out your steel as it will go on the door, and install all the steel if lifting and hanging the door by hand. Install the center 1 or 2 sheets and both edge sheets if lifting mechanically. If lifting mechanically attach 1 chain as near as possible behind the leading hanger and reinforcing strap and attach the second chain as near as possible behind the trailing hanger and reinforcing strap.



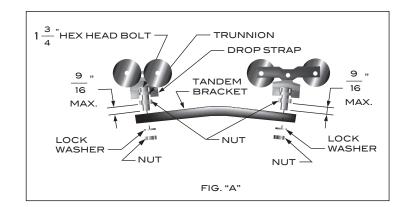


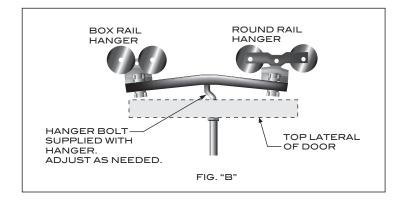


5090 Tandem Bracket

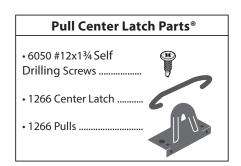
- 1) Insert hex head bolt through hole in trunnion. (see fig."A")
- 2) VERY IMPORTANT: Thread hex nut onto bolt leaving 1/2" to 9/16" of thread exposed. (see fig. "A")
- 3) Inset bolt in hole of tandem bracket with crown of bracket up as shown. (see fig. "A")
- 4) Thread second nut with lock washer onto bolt and tighten securely.
- 5) Repeat for other truck assembly. Final product should look like fig. "B"

Can be used with either box or round rail to double the weight carrying capacity by adding an extra pair of hangers to a door panel, in lieu of using 3 hangers per door panel.

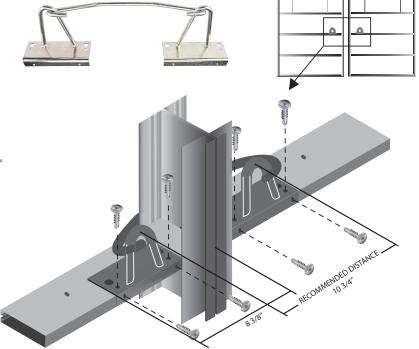




1266 Pull Center Latch



1266 Pulls require a minimum lateral width of 2-1/2"



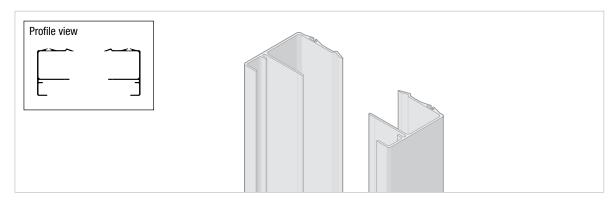
Verticals

The type and number of aluminum verticals required for your door(s) depend on your application:



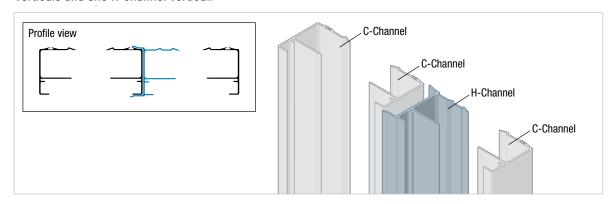
Single Door

Use two 6063 C-channel verticals.



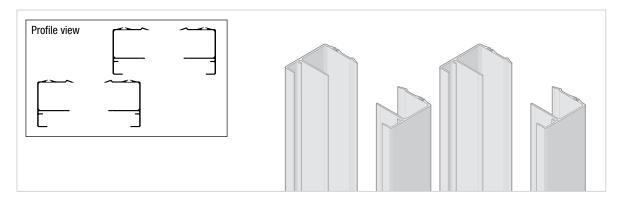
Bi-Parting Doors

Use a 6064 kit, which contains three 6063 C-channel verticals and one H-channel vertical.



Bi-Passing Doors

Use four 6063 C-channel verticals.



Laterals

Wood laterals are recommended for this application.

Required number of laterals

The number of laterals required for your door(s) is dependent on the desired door height.

Number of Laterals
5
6
7
8
9

Lateral Dimensions

Use the following lumber dimensions for your laterals:

Lateral	Size
Bottom Lateral	2 x 8
Top Lateral	2 x 6
Middle Laterals	2 x 4

To determine the required number of 2x4s, subtract 2 from the total number of laterals required by your application.

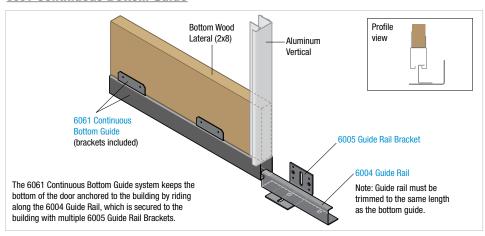
Additional lumber

If you are installing pulls on your door(s), it is recommended that you use an additional 2x6 on each door, adjacent to the aluminum vertical. The 2x6 will fit between two middle laterals on the side where the pull should be installed. The 2x6 will be cut to size after the door is assembled, and it holds the pull in place without the need to drill through the aluminum vertical.

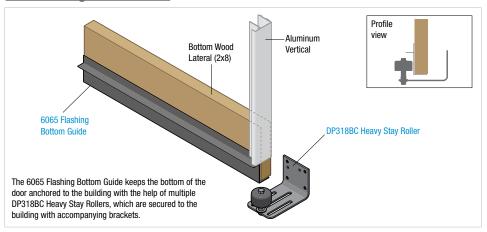
Bottom Guides

Utilize one of the following bottom guide options for your door(s):

6061 Continuous Bottom Guide

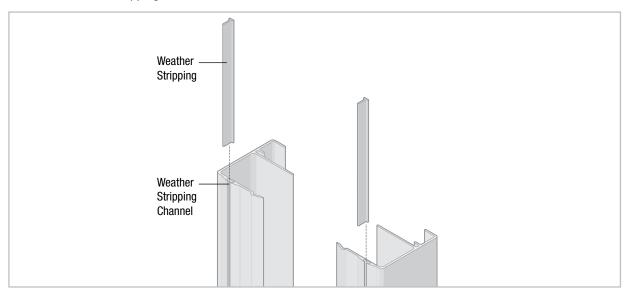


6065 Flashing Bottom Guide



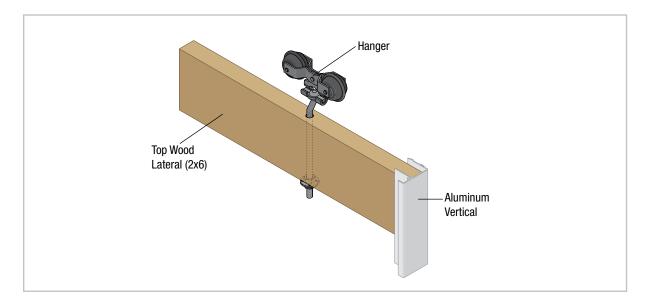
Weather Stripping

If needed, weather stripping can be installed in the channels on the backside of the aluminum verticals.



Hangers

If a single door is 600 pounds or less, use two hangers to hang the door. If the door is more than 600 pounds, use three hangers or 5090 Tandem Hanger Brackets. Hangers with offset bolts are recommended for this application. Make sure to use the appropriate hanger for your track.



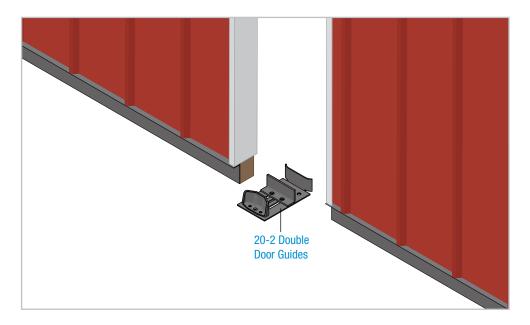
Center Guides for Bi-Parting & Bi-Passing Doors

If installing two doors, it is necessary to add a center guide in the center of the door opening to keep the doors from swinging out.

<u>Bi-Parting Doors</u> Utilize a set of 322 Door Guides.



<u>Bi-Passing Doors</u>
Utilize a set of 20-2 Door Guides.

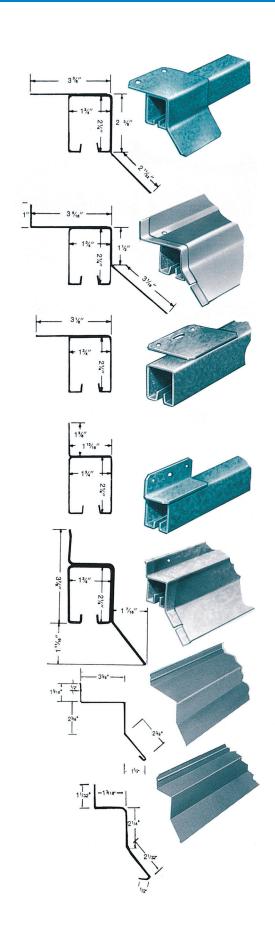




A Complete Selection of Quality Rail

National Hardware has a complete selection of box rails that are designed for use on doors weighing up to 450 lbs (5116) or 600 lbs (5114). Our 450 lbs rated track meets ANSI/BHMA A156.14, Grade 2 specs. Our box rail is manufactured in the USA from galvanized steel for weather resistance and strength and is carefully formed to give an even tread to hanger wheels. National Hardware's box rail comes with optional pre-mounted brackets for fast, simple installations or can be used with many types of single and multiple brackets for a variety of door openings.





No. 5100 Rail—Top mount. 16 gauge galvanized steel. Mounting/flashing brackets welded to the rail on 2 foot centers. No separate brackets or rail couplings needed. For doors weighing up to 450 lbs. per panel.

No. 5103 Hi-Tensile Steel Rail—Top mount. 16 gauge galvanized steel. For doors weighing up to 600 lbs. per panel when used with steel roller bearing hangers.

No. 5104 White Covered Rail—Top mount. 16 gauge galvanized steel. One piece design features a durable, white pre-finished cover, permanently welded to rail—fast, simple installation without mounting brackets. For doors weighing up to 450 lbs. per panel.

No. 5105 Rail—Top mount. 16 gauge galvanized steel. For interior doors, and exterior doors that travel inside the building and for horse stall doors. Mounting bracket welded to the rail on 2 ft. centers. Just nail the rail to the track board with ring-shank, neoprene washer nails. No separate brackets or rail couplings required. For doors weighing up to 450 lbs. per panel. For use where flashing is not required.

No. 5110 Rail—Face mount. 16 gauge galvanized steel. Welded-on mounting brackets on 2 ft. centers make rail installation fast and easy. Rail is simply attached to building with lag screws. No rail splicing brackets required, as end bracket of each piece of rail overlaps next length for perfect alignment and tight joint. For doors weighing up to 450 lbs. per panel.

No. 59 Covered Rail—Face mount. 16 gauge galvanized steel. A face mounted rail with 18-gauge cover spot-welded on top of rail. No brackets required as cover provides a continuous bracket. For doors weighing up to 450 lbs. per panel.

No. 5120 Flashing—For Easy-Mount® Rail No. 5100 and 5103. 10' sections, white finish, 28 gauge steel. End cap can be made by modifying flashing.

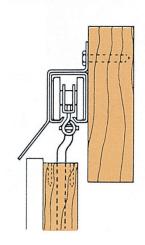
No. 5122 Flashing—For No. 59 rail. 10' sections, white finish, 28 gauge steel. End cap can be made.

No. 5151 Flashing Bracket—For 5120 flashing. Galvanized steel.

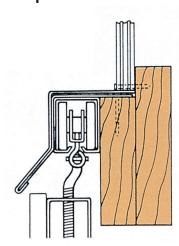
No. 5102B Flashing Bracket—For 3" track board.

Applications & Accessories

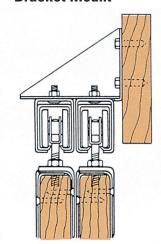
Face Mount



Top Mount



Bracket Mount







No. 5116 Rail—For doors weighing up to 450 lbs. per panel. 16 gauge galvanized steel rail bundled without fasteners or brackets. Can be used with various types of single and multiple brackets.

No. 5114 Hi-Tensile Steel Rail—Same as 5116, except for doors weighing up to 600 lbs. per panel when used with steel roller bearing hangers.

No. 51ED End Caps—Galvanized steel. For 16 gauge Rail. Used to cap rail end, and also used as center stop using $3/8" \times 2"$ carriage bolt (not incl.).

Brackets (Lag Bolts Included)





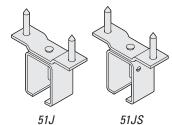


51G Splice

No. 51F Wall Mount Single Bracket Used at two foot intervals to hang rail to side of building.

No. 51G Wall Mount Single Joint Splice Bracket

A splice bracket with set screws to join two lengths of rail.

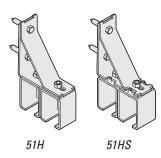


No. 51J Ceiling Mount Single Bracket

For hanging rail to overhead mounting. Mounting plate swivels for various installations.

No. 51JS Ceiling Mount Single Joint Splice Bracket

For joining two lengths of rail in overhead mounting. Mounting plate swivels for various installations.

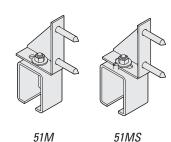


No. 51H Wall Mount Double Bracket

Adjustable. For by-passing doors. Used at two foot intervals to hang rail to side of building.

No. 51HS Wall Mount Double Joint Splice Bracket

Adjustable. For joining rail sections in a parallel run.

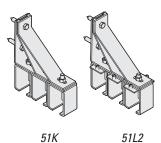


No. 51M Single Bracket

Adjustable. Used to hang rail to the side of the building. Ideal for use on corrugated siding.

No. 51MS Single Joint Splice Bracket

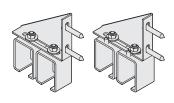
Adjustable. A splice bracket with set screws to join two lengths of rail in a single run. Ideal for use on metal-sided buildings.



No. 51K Wall Mount Triple Bracket

Adjustable. For triple by-passing doors. Used at two foot intervals to hang rail to side of building.

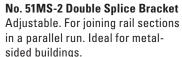
No. 51L2 Triangle Only

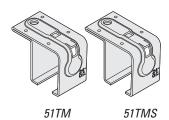


51M-2 51MS-2

No. 51M-2 Double Bracket

Adjustable. For by-passing doors. Used at 2 ft. intervals to hang rail to side of buildings. Ideal for metal-sided buildings.



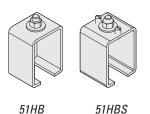


No. 51TM Single Top Mount Bracket

Top mount design so brackets can be installed on a 2 x 6 header board. Used at two foot intervals to hang rail. Compatible with 5438 & 5439 snap on flashing brackets

No. 51TMS Single Top Mount Splice Bracket

For joining rail selections in a parallel run.



No. 51HB Box Rail Brackets Only Replacement brackets for 51H, 51K,

51M and 51M-2 brackets.

No. 51HBS Box Rail Brackets Only Replacement brackets for 51HS, 51KS, 51MS and 51MS-2 brackets

For detailed technical information, please visit www.natman.com

BOX HANGERS



Roll Easier • Last Longer

National Hardware offers Box Rail Hangers with Delrin or steel bearings. Our hangers are designed and manufactured using durable one piece, precision formed steel. National Hardware's Box Rail Hangers have a safe working load of 250 lbs or 300 lbs. We offer hangers in flexible or rigid types with a wide variety of functions.

Delrin® 500CL Bearings | **Steel Roller Bearings**

Offset Bolts

The hangers below are for use on wood frame metal-clad doors using 2 x 4 or 2 x 6 frame. Offset 9" bolt adjusts both vertically and laterally from inside the door. Connecting bolts threaded 7", adjusts laterally 1" by turning offset bolt for desired clearance. Packed with four washers, four hex nuts, two end caps per pair.



No. 5022 Delrin® 500CL Bearings—For use on wood frame doors up to 450 lbs.

No. 5023 Delrin® 500CL Bearings—Same as 5022 except includes 17, 3/8" x 21/2" lag bolts for mounting rail.

No. 5024 Delrin® 500CL Bearings—Same as 5022 except includes two 5151 flashing brackets for 5100 rail.



No. 5062 Steel Roller Bearings—For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.

No. 5064 Steel Roller Bearings—Same as 5062 except includes two 5151 flashing brackets for 5103 rail.

The hangers below are for use with **TAB-LOC™ Steel Door Frames** and have vertical and lateral adjustments made from inside. Door bolt threaded 51/2". Offset 71/2" bolt allows 1" adjustment by turning bolt. Packed with two star washers, two hex nuts, two flange nuts and two end caps per pair.



No. 5030 Delrin® 500CL Bearings—For use on TAB-L0C[™] steel frame doors up to 450 lbs.



No. 5070 Steel Roller Bearings—For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.

Door Straps



No. 5040 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors, laterally and vertically adjustable. Packed with two end caps and bolts for attaching door straps. For use on doors up to 450 lbs. 51/4" Strap length.



No. 5047 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors. Double door strap has opposing holes for bolt mounting. Laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door straps. For use on doors up to 450 lbs. 43/4" Strap length.



No. 5041 Delrin® 500CL Bearings—Flexible hangers for use on wood frame sliding doors. These hangers have vertical and lateral adjustments that can be made from outside the building. Offset bolt is threaded 4" with a lateral adjustment of 1" by turning bolt. For use on doors up to 450 lbs. 51/4" Strap length.

No. 5042 Delrin® 500CL Bearings—Same as 5041 except includes 9, 3/4" x 2" lag screws for rail.



No. 5020 Delrin®—Flexible with drop strap. For use on doors up to 450 lbs when used in pairs with hox rail.



No. 5080 Steel Roller Bearings—Flexible hangers for use on wood frame sliding doors, laterally and vertically adjustable. Packed with two end caps and bolts for attaching door straps. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114. 51/4" Strap length.



No. 5087 Steel Roller Bearings—Flexible hanger for use on wood frame sliding doors. Double door strap has opposing holes for bolt mounting. Laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door straps. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114. 43/4" Strap length.

Delrin® 500CL Bearings | **Steel Roller Bearings**

Trucks



No. 5000 Delrin® 500CL Bearings—Truck only. Durable one piece, precision formed steel. For use with all rail. For doors up to 450 lbs.



No. 5050 Steel Roller Bearings—Truck only. Durable one piece, precision formed steel. For use on doors up to 600 lbs. when used with HiTensile rails—5103 and 5114.

Straight Bolts



No. 5001 Delrin® 500CL Bearings—Includes truck, connecting bolt and nuts. For use on doors up to 450 lbs. Bolt lengths available; 31/8", 4-1/2", 5", 5-1/2" and 6."



No. 5051 Steel Roller Bearings—Includes truck, connecting bolt and nuts. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114. Bolt lengths available; 31/8", 41/2", 5", 51/2" and 6".

Offset Bolts



No. 5002 Delrin® 500CL Bearings—For use on wood lateral doors. These rigid hangers have both vertical and lateral adjustments that can be made from inside the building after installation. Bolt threaded 4", adjusts laterally 11/2" by turning offset bolt for desired clearance. Included are two washers and two hex nuts for each bolt. Bolt sizes 81/2" or 101/2". For use on doors up to 450 lbs.



No. 5052 Steel Roller Bearings—For use on wood lateral doors. These rigid hangers have both vertical and lateral adjustments that can be made from inside the building after installation. Bolt threaded 4", adjusts laterally 11/2" by turning offset bolt for desired clearance. Included are two washers and two hex nuts for each bolt. Bolt sizes 81/2" or 101/2". For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 or 5114.



No. 5005 Delrin® 500CL Bearings—For use on wood frame sliding doors, laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door strap. Door strap is 51/4" long. For use on doors up to 450 lbs.





No. 5055 Steel Roller Bearings—For use on wood frame sliding doors, laterally and vertically adjustable. Hangers are packed with two end caps and bolts for attaching door strap. Door strap is 51/4" long. For use on doors up to 600 lbs. when used with Hi-Tensile rails—5103 and 5114.

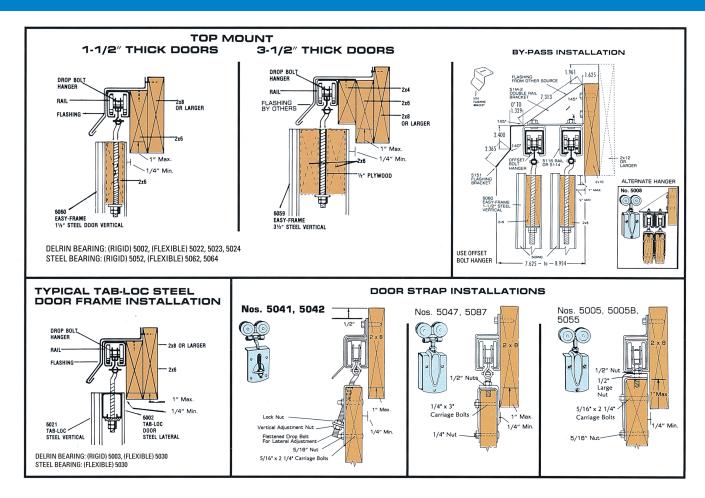


No. 5008 Delrin® 500CL Bearings—Double strap hanger for use on wood framed by-passing sliding doors. Holes are staggered for screw mounting. Packed with screws and two end caps. Door strap is 43/4" long. For use on doors up to 450 lbs.



No. 5009 Delrin® 500CL Bearings—For round-the-corner or heavy folding door installations. Adjustable. Ball bearing swivels on hanger to assure smooth, easy operation. Packed with mounting bolts and two end caps. Door strap is 63/4" long. For use on doors up to 450 lbs.

TYPICAL INSTALLATIONS - BOX RAIL



16 Gauge Rail & Hangers

Load Carrying Table (in pounds per door panel)

Delrin 500CL Bearing Hangers

Steel Roller Bearing Hangers patent No. 4,642,844

Catalog #	5000	5001	5002	5005	5006	5008	5009	5022	5023	5024	5030	5031	5040	5041	5042	5047	5050	5051	5052	5055	5062	5064	5070	5080	5087
□ 59									450				450		450					450				450	
□ 5100		450						450		450	450	450							450		450	450	450		
☐ 5103																	600		600		600	600	600		
□ 5104		450						450			450								450		450		450		
☐ 5105			450	450	450			450			450					450			450		450		450		
□ 5110		450		450	450				450				450	450	450	450		450		450				450	
□ 5114																		600		600				600	600
□ 5116	450	450		450	450	450	450						450	450	450	450		450		450				450	

Many hangers are specially packaged for a particular rail; however, any hanger in this table can be used with any rail in this table for doors up to 450 lbs.

Specialty Box Rail Hangers

Lightweight Hanger



No. 56 Hanger—For doors up to 150 lbs. 51 series rail to bypass lightweight thin doors 7/8"max



No. 47 Steel Roller Bearings—Accordion door hanger for use in churches, schools, and auditoriums.

Vertically adjustable. Mounting plate is NOT included. 150# capacity.

Conveyor Hangers



No. 48 Steel Roller Bearings—Cast body. Single axle hanger is ideal for curtains in welding shops, spray booths, truck docks, and other industrial applications. For use with all rail. Hanger holds up to 150 lbs.



No. 50C Steel Roller Bearings—Cast body. Eye bolt hanger, with bumpers to protect wheels when hangers run together. For carrying electric cable on cranes and for use on conveyor systems. For use with all rail. Hanger holds up to 225 lbs.



Round Rail & Round HangersTRACK MASTER*

National Hardware's Trackmaster round rail and hangers are advanced design with flat top and sides for easier mounting and better stability. Designed for doors weighing up to 600 lbs. Trackmaster allows track to be self cleaning and smoother operation. Manufactured in the USA from galvanized steel for weather resistances and strength.



TRACK MASTER°

Benefits



TrackMaster™ is interchangeable with other brands of round rail and hangers.

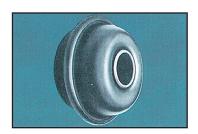
TrackMaster[™] Hangers can be used with Cannonball[®] and Combo[®] brand* rail—and vice versa. So, when you add National Trackmaster Round, you can supply replacement components to current customers.



Precision ground and hardened steel roller bearings for longer, smoother operation.



Quiet, smooth rolling Delrin® wheels have steel roller bearings and hold up to a 600 lb. door per pair.



Hardened steel wheels with steel roller bearings hold up to a 600 lb. door.



Galvanized Steel Round Rail

- Easier mounting and alignment with flat top and sides.
- Self-cleaning and self-aligning round body.



Unique Snap-On Flashing Bracket for 1 ½" or 3 ½" Thick Doors

 Simplifies rail installation. Just attach rail into track board and "snap-on" flashing brackets then add flashing.

All new brackets can be used with a snap-on flashing bracket







TrackMaster "Round" Checklist

Rail

5400	Plain Rail (6' – 24')
5430	Face Mount Rail (8' – 20')
5433	Top Mount Rail (8' – 20')
5460	Top Mount Rail with Flashing Brackets (8' – 20')

Door Frames

TAB-LOC™ (Steel) 6021, 6002, Easy Frame® Verticals (Steel & Wood) 6060, 6059 Max Easy Frame® (Aluminum)

Bottom Guide

Continuous Bottom Guide 6061, 6062, 6053

Accessory Hardware

Pulls, Stops, Latches, etc.

Hangers

Delrin® Wheels, Flexible Trunnion, Steel Roller Bearings

5301	Straight Bolt 3-1/8" or 4 ½"					
5302	Offset Bolt (Wood Door)					
5306	Heavy Single Door Strap					
5310	Offset Bolt (TAB-LOC™)					
5330	Door Strap					
5332	Door Strap with Outside Adjustment					

Hardened Steel Wheels, Flexible Trunnion, Steel Roller Bearings

5351	Straight Bolt 3-1/8" or 4 ½"
5352	Offset Bolt (Wood Door)
5360	Offset Bolt (TAB-LOC™)
5380	Door Strap
5382	Door Strap with Outside Adjustment

Flashing & Flashing Brackets

5436	Snap-On Flashing Bracket (1 ½" Door)
5437	Snap-On Flashing Bracket (3 ½" Door)
5450	Face Mount Flashing (1 ½" Door)
5455	Top Mount Flashing (1 ½" Door)

Rail/Mounting Brackets

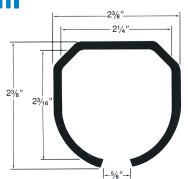
5405	Splice Collar
5408	Rail End Cap
5410	Single Bracket
5411	Single Splice Bracket
5412	Adj. Single Bracket
5413	Adj. Single Splice Bracket
5414	Adj. Double Bracket
5415	Adj. Double Splice Bracket
5418	Rail Bracket Only
5419	Splice Bracket Only

^{*}Cannonball® and Combo® are registered trademarks of Cannonball Industries, Inc. and Combo Corp.

TrackMaster® Round Rail

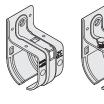
No. 5400 Plain Rail -

Separate face-mount brackets. For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel bundled without fasteners or brackets. For use with various types of single and multiple brackets. In 6' to 24' lengths.





Rail Brackets (Lag Bolts Included)





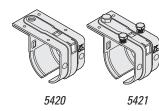
5421

No. 5420 Single Bracket

Wall mount. Used at two-foot intervals to bring rail to side of building. 10 each (100-006)

No. 5421 Single Splice Bracket

Wall mount. A splice bracket with set screws to join and hold two lengths of rail together. 5 each (100-007)

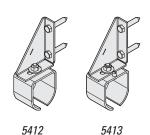


No. 5420 Single Bracket-Top Mount

Top Mount design so brackets can be installed on a 2 x 6 header board. Used at 2ft intervals. 10 each (N100-008)

No. 5421 Single Round Splice Bracket-**Top Mount**

Top mount splice bracket with set screws to join and hold two lengths of rail together. 5 each (N100-009)

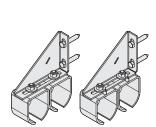


No. 5412 Adjustable Single Bracket

Wall mount. Used at two-foot intervals to hang rail to side of building. Ideal for use on corrugated siding due to narrow surface. 10 each (193 - 888)



Wall mount. A splice bracket with set screws to join and hold two lengths of rail together. 10 each (193-896)



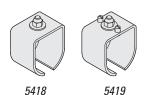
5415

No. 5414 Adjustable Double Bracket

Wall mount. Used at two-foot intervals to bring double runs of rail to side of building for bypass installation. Ideal for use on corrugated siding due to narrow surface. 10 each (193-904)



Wall mount. A splice bracket with set screws to join and hold two double lengths of rail together. 2 each (193-912)



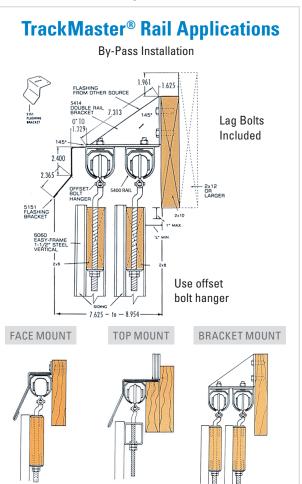
No. 5418 Rail Bracket Only (No lag bolts)

Packed with bolt, nut and washer. 50 each (193-920)

No. 5419 Rail Splice Bracket Only (No lag bolts)

Packed with bolt, nut and washer.

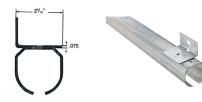
10 each (193-938)





No. 5433 Top Mount Rail

Welded-on top mount brackets (2 foot O.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. Welded on mounting brackets for fast, easy installation. Just nail the rail to track board. If flashing is required, use our #5436, 5437 Snap-On Flashing Brackets. For 11/2" doors use our #5455 flashing and 5436 brackets. Rail in 8'-20' lengths.



No. 5430 Face Mount Rail

Welded-on face mount brackets (2 foot 0.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. Welded on mounting brackets for fast, easy installation. If flashing is required, use our Snap-On Flashing Brackets #5436 or 5437. For $1\frac{1}{2}$ " doors use our #5450 flashing and 5436 bracket. Rail in 8'-20' lengths.

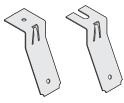


No. 5460 Top Mount Rail with Attached Flashing Brackets

Welded-on top mounting brackets (2 foot 0.C.). For doors weighing up to 600 lbs. per panel. Fourteen gauge galvanized steel. No. 5455 flashing fits easily over rail and bracket. Rail in 8'– 20' lengths.

Unique Snap-On Flashing Bracket For 1 ½"or 3 ½" thick doors.

Simplifies rail installation. Just attach rail to track board and "snap-on" flashing brackets—then add flashing.



5436 .075 Material Thickness

5438

075 Material

Thickness

5436 .075 Material Thickness

5439

075 Material

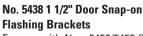
Thickness

No. 5436 1 ½"Door Snap-On Flashing Bracket

Snaps-On 5430/5433 rails. For use with Nos. 5450/5455 flashing. Galvanized steel. 50 each (194-001)



Custom slot in the top of the bracket allows for installation with rail brackets bolted to a triangle or strap support. For use with 5450 flashing, 50 each (N340-752)



For use with Nos. 5450/5455 flashing. Galvanized Steel. 25 each (N100-010)

No. 5439 3 1/2" Snap-on Flashing Brackets

Designed to snap into plain rail brackets that have a square hole in the top. USE FLASHING FROM ANOTHER SOURCE. 25 each (100-011)



For 5430 rail and 5436 Flashing Brackets. Ten-foot sections. White finish. Twenty-eight gauge steel. 10 each (194-027) For 1 ½" doors.

No. 5455 Top Mount Flashing

For 5433 rail and 5436 Flashing Brackets. Ten-foot sections. White finish. Twenty-eight gauge steel. 10 each (194-035) for 1 $\frac{1}{2}$ " doors.



5437 .075 Material Thickness



No. 5437 3 ½"Door Snap-On Flashing Bracket Snaps-On 5430/5433 rails. Flashing from alternate source. Galvanized steel. 50 each (194-019)



No. 5405 Splice Collar

Unique design supports the end of two rails while not interfering with flat mounting surface of rail. No fasteners required. Simply slide onto rail while installing. Use with #5430, 5433 and 5460 rails. 10 each (193-847).



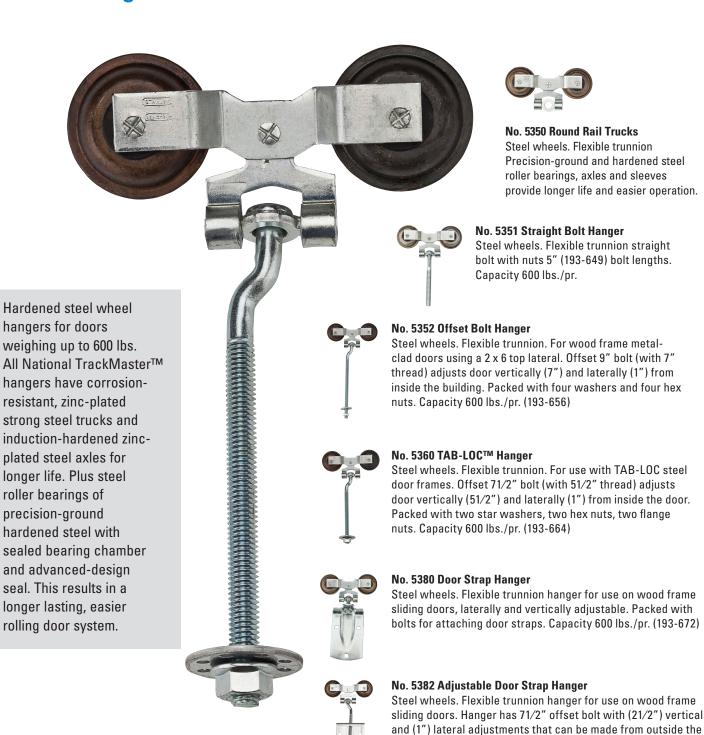


No. 5408 Rail End Cap

(No lag bolts.) Packed with bolt, nut and washer.



Flexible Hangers with Hardened Steel Wheels



building. Packed with bolts for attaching door straps. Capacity

600 lbs./pr. (193-680)

Flexible Hangers with Delrin® Wheels



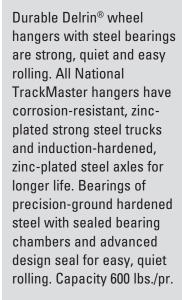
5300 Round Rail Trucks

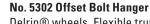
Delrin wheels. Flexible trunnion.
Precision-ground and hardened steel
roller bearings, axles and sleeves
provide longer life and easier operation.



No. 5301 Straight Bolt Hanger

Delrin® wheels. Flexible trunnion straight bolt with nuts 31/8" (193-698) or 5" (193-706) bolt lengths. Capacity 600 lbs./pr.





Delrin® wheels. Flexible trunnion. For wood frame metal clad doors using a 2 x 6 top lateral. Offset 9" bolt (with 7" thread) adjusts door vertically (7") and laterally (1") from inside the building. Packed with four washers and four hex nuts. Capacity 600 lbs. (193-714)



No. 5306 With Heavy Single Door Strap

Delrin® wheels. Flexible trunnion for use on wood frame doors. Satin black finish. (208-504)



Delrin® wheels. Flexible trunnion. For use with TAB-LOC™ steel door frames. Offset 71/2" bolt (with 51/2" thread) adjusts door vertically (51/2") and laterally (1") from inside the building. Packed with two star washers, two hex nuts, two flange nuts. Capacity 600 lbs./pr. (193-722)



No. 5330 Door Strap Hanger

Delrin® wheels. Flexible trunnion hanger for use on wood frame sliding doors. Laterally and vertically adjustable. Packed with bolts for attaching door straps. Capacity 600 lbs./pr. (193-730)



No. 5332 Adjustable Door Strap Hanger

Delrin® wheels. Flexible trunnion hanger for use on wood frame sliding doors. Hanger has 71/2 offset bolt with (21/2) vertical and (1) lateral adjustments that can be made from outside the building. Packed with bolts for attaching door straps. Capacity 600 lbs./pr. (193-748)



SLIDING DOOR HARDWARE









National Hardware®, the leading manufacturer of home hardware, now offers homeowners and designers an innovative line of interior sliding door hardware kits and accessories. Transform your home's interior with this unique and versatile design that saves space and creates a decorative enclosure for any room. These kits complement any home design from contemporary and rustic to transitional and traditional.

These popular sliding door hardware kits and accessories offer a custom design for a unique look and are available in Oil Rubbed Bronze, Stainless Steel and Satin Nickel finishes.



Oil Rubbed Bronze



Stainless Steel



Satin Nickel **NEW!**

STRAP & TOP MOUNT STYLES





*Kits include 72" track, hangers, doorstops, anti-jump discs and floor guides

N186-960	920	Decorative Interior Sliding Door Hardware Kit	72"	Oil Rubbed Bronze
N186-966	920	Decorative Interior Sliding Door Hardware Kit	72"	Satin Nickel
N186-962	922	Decorative Interior Sliding Door Hardware Kit	72"	Stainless Steel





HORSESHOE STYLE





Oil Rubbed Bronze

N186-964

924

Decorative Interior Sliding Door Hardware Horseshoe Kit

72"

Oil Rubbed Bronze

CONNECTING ADAPTORS



Stainless Steel





N187-001	V980	Sliding Door Hardware Connecting Adaptor	Oil Rubbed Bronze
N187-003	V980	Sliding Door Hardware Connecting Adaptor	Satin Nickel
N187-002	V982	Sliding Door Hardware Connecting Adaptor	Stainless Steel





ACCESSORIES

BAR PULLS



Oil Rubbed Bronze



Satin Nickel



Stainless Steel

FLUSH PULLS



Oil Rubbed Bronze



Satin Nickel



Stainless Steel

PRIVACY HOOKS



Oil Rubbed Bronze



Satin Nickel



Stainless Steel

CUP PULLS



Oil Rubbed Bronze



Satin Nickel



Stainless Steel

N187-010	V1000	Bar Pull	10"	Oil Rubbed Bronze
N187-012	V1000	Bar Pull	10"	Satin Nickel
N187-018	V1008	Round Pull	10"	Stainless Steel
N187-022	V1012	Flush Pull	8"	Oil Rubbed Bronze
N187-024	V1012	Flush Pull	8"	Satin Nickel
N187-030	V1012	Flush Pull	8"	Stainless Steel
N187-034	V1020	Privacy Hook	4"	Oil Rubbed Bronze
N187-036	V1020	Privacy Hook	4"	Satin Nickel
N187-042	V1020	Privacy Hook	4"	Stainless Steel
N187-046	V1030	Cup Pull	2-1/8"	Oil Rubbed Bronze
N187-048	V1030	Cup Pull	2-1/8"	Satin Nickel
N187-054	V1030	Cup Pull	2-1/8"	Stainless Steel



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