

# PRODUCT CATALOG



*Aerodynamic Solutions*

*Door Systems*

*Spray Control*

*Parts & Accessories*

**FLEET  
ENGINEERS**

*Driving Forward™*

**FLEET  
ENGINEERS**

Driving Forward™

*Aerodynamic  
Solutions*

*Door Systems*

*Spray Control*

*Truck and Trailer  
Accessories & Parts*

For over 50 years, Fleet Engineers has built a solid reputation for producing quality truck and trailer products. As we continue to grow, our commitment to providing superior quality systems solutions and parts to our customers is growing with us. Our team of industry-best professionals is focused on continually expanding and improving our product lines, technology and capabilities to serve the commercial vehicle industry and to do our part in keeping your trucks on the road.

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## Definitions

**RoadKote®** - black E-coat finish

**Black Primer** - black primer finish, either water or oil base.

**Packaged Set** - a product and all its' components in a single container, labeled.

**Bulk Kit** - a group of items that can be ordered as a single part number but not packaged as one.

**Roadside\*** - the left side of the tractor/trailer as viewed from behind

**Curbside\*** - the right side of the tractor/trailer as viewed from behind

\*Based on North American Road System

## How to Order

Call, email, fax, or mail your order to Fleet Engineers. Our normal sales desk hours are 8:00 a.m.- 5:00 p.m. EST.

**Phone:** 1 800 333 7890

**email:** salesorders@fleetengineers.com

**Fax (24 Hours):** 231 777 2720

**Address:** 1800 E. Keating Avenue, Muskegon, MI 49442-6189 U.S.A.

All custom products have specific "How to Order" instructions listed with the product description.

See the order form on page 55 for all custom poly mud flap orders and the order form on page 86 for all roll-up door orders.

## Popularity Code

Popularity codes provide an estimate of availability of aftermarket products; **(A)** current production - immediate availability, **(B)** current production - standard availability (5-7 business days), and **(C)** non-current production. This is based on our main facility in Muskegon, Michigan.

\*OEM Customers - call Fleet Engineers' customer service for lead time.

## Cross Reference Guides and Complete Product Index

Cross reference guides can be found in the back of this catalog on pages 185-196 and the complete product index is on pages 197-202. Cross reference numbers are listed two ways: (1) in numerical/alphabetical order with the cross reference manufacturer, Fleet Engineers' part number and the corresponding page number and (2) listed by manufacturer. All product part numbers are listed in numerical order along with the corresponding catalog page number.

## Conversion Charts

Measurements throughout the catalog are given in decimal figures and are rounded to two decimal places. A conversion page is located on the inside back cover of this catalog for your convenience.

## Warranty Information

**Registered Trademarks and OEM Logos:** Due to trademark restrictions, products personalized with OEM logos are only available through their respective Truck/Trailer dealers and are contained within only to represent their availability to such dealers.

**Warranty - General:** All products are guaranteed for one (1) year from date of shipment, except Spray Mate fenders which have a lifetime warranty, against defects in workmanship and material, provided defect has not been caused by misuse, careless handling, or where repairs have been made or attempted by parties other than manufacturer. EXCEPTION: CHROME PLATING IS NOT GUARANTEED. See Returned Goods section for specific instructions.

**Warranty - Chrome Plating:** Chrome plating on chrome products is not warranted beyond the initial installation date of the product. The performance of the plating cannot be guaranteed due to the conditions of service. Damage from stones or road debris can destroy the integrity of the coating surface and cause corrosion to ensue. Damage due to the impact of collision with another object and road and vehicle vibration are likely at some point during the life of the product. Therefore, Fleet Engineers can only warrant the plating quality until it is put into service on the vehicle. Fleet Engineers' plating is specified to be the high grade automotive exterior quality and designed for atmospheric conditions in existence on today's highways. Maintenance and care of the finish are required to maintain its like-new condition.

**Limitation of Warranty:** Seller warrants to Buyer all goods, if properly installed, used only in the service for which recommended by Seller, and undamaged from any external cause, against defective workmanship and material for the warranty period specified in the specification sheet for each item of equipment. No claim under this warranty shall be honored unless **(I)** it is submitted to Seller in writing within sixty (60) days after discovery and on or before the sixtieth (60th) day after expiration of the warranty period, and **(II)** Buyer shall cease to use the goods and give Seller a full written report supporting its claim. If Seller finds the equipment to be defective, the Seller will repair or replace it without charge and bear the cost of transportation for the defective goods. Except as provided by this paragraph Seller shall not be liable for any labor, transportation or other expense required to replace or repair defective goods nor in any event for any general, special or consequential damages arising out of or occasioned by a defect or failure of any goods sold to Buyer, nor for any loss arising from the use or resale thereof. Any implied warranty of merchantability or of fitness in any other warranty specified above is expressly excluded.

**Returned Goods:** All returned goods must have an authorization number assigned by Fleet Engineers. Items returned for credit will be subject to a 20% restocking charge and must be returned FREIGHT PREPAID. No items approved beyond twelve (12) months from date of shipment, or if an overstock situation exists at the time of request. Customer must supply Fleet Engineers with invoice number and purchase order number from which shipment was made. ONLY CURRENT MODEL PARTS IN SALABLE CONDITION WILL BE ACCEPTED. Unauthorized returns will be subject to a 25% restocking charge.



# AeroFlap® Aerodynamic Mud Flap

## FEATURES

- AeroFlap's® unique pattern channels airflow in different, complimentary directions which saves fuel by reducing drag. A pair of aerodynamic mudflaps can decrease fuel consumption by .5 - 1%
- AeroFlap® reduces spray by not atomizing or "smashing" water droplets, creating a safer environment for everyone on the road
- Eliminates the need for anti-sail brackets due to the way air is channeled and breaks up the trailing air vortex
- Reduces maintenance costs by venting excess heat around tires and brakes
- AeroFlap's® polypropylene material is uniquely designed to withstand colder temperatures - successfully tested to -30°F
- AeroFlap® is the only aerodynamic mudflap designed for use with angled shortie brackets. Traditional flaps must be cut in places not intended for new mounting holes which causes their flaps to tear away
- Stacks neatly and nests on shipping skids, ensuring that the product stacks, stores, and ships without headache
- Works in Synergy with U.S. EPA's Smartway Program for truck/trailer aerodynamics

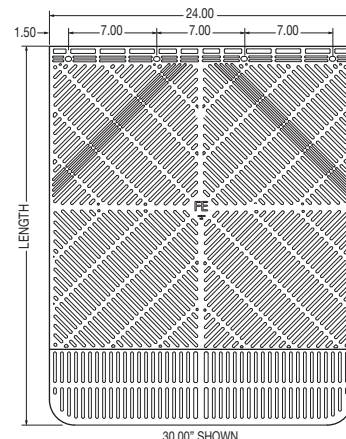
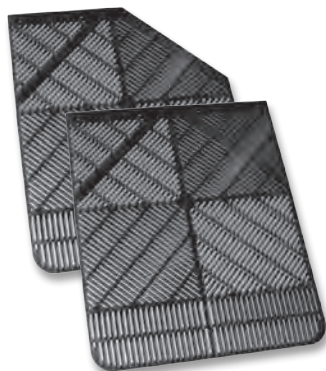


## ORDER DETAILS

- AeroFlap® is available in black or white
- Available in 24", 30", and 36" heights
- Part number represents 1 flap

## SPECIFICATIONS

part no. - black	part no. - white	weight (lbs.)	pop. code	width	length
<b>033-08001</b>	<b>033-08007</b>	4.00	A	24.00"	24.00"
<b>033-08002</b>	<b>033-08009</b>	4.50	A	24.00"	30.00"
<b>033-08004</b>	<b>033-08011</b>	5.10	A	24.00"	36.00"



## AeroSaver® Aerodynamic Trailer Side Skirt

### FEATURES

- Enhances the aerodynamics of a trailer
- Reduces harmful greenhouse gas emissions
- Reduces drag and jerking from gusting wind
- Improves appearance and performance
- Low initial investment, pay back is short
- Easier to install - can be completed by just one person
- Cuts fuel consumption by up to 7%
- Extruded flexible plastic designed to bend over obstacles
- UV impregnated – will not fade or crack due to sunlight
- Performs well in all temperatures
- Each panel is replaceable independently
- Can be mounted in straight or angled orientations with the same hardware
- Hardware is E-coated for maximum corrosion resistance
- Installs with no holes to the frame of the trailer
- Panels are lightweight, come in three equal lengths and require very little hardware connections.
- The patent pending bracket design allows plenty of clearance for road obstacles and are easily replaced if damaged
- Lightweight Green Product made from recycled products.



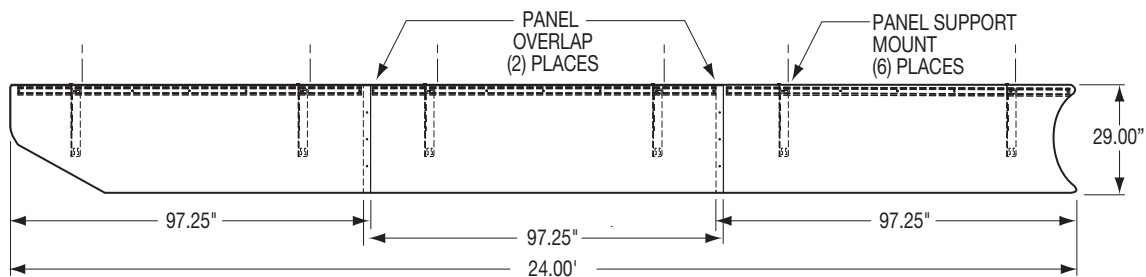
### ORDER DETAILS

- White or grey panel color available
- Bulk kit, enough to do both sides of the trailer, consists of skirting, supports, and hardware. Support hardware is e-coated.



### SPECIFICATIONS

part no.	wt. (lbs.)	ht. (in.)	length (ft.)	trailer application	supports per kit	skirts per kit	color
<b>034-02533</b>	188.00	29.00"	24.00'	53.00'	12	1 (2 sides)	white
<b>034-02534</b>	188.00	29.00"	24.00'	53.00'	12	1 (2 sides)	grey



## Air Slipper Side Skirt

### FEATURES

- Cuts fuel consumption by up to 6%
- Enhances the aerodynamics of a trailer
- Reduces harmful greenhouse gas emissions
- Reduces drag and jerking from gusting wind
- Improves appearance and performance
- Low initial investment, pay back is short
- Quick and easy to install
- Made to fit most trailers
- No holes drilled in the frame
- 16 gauge ribbed aluminum
- Ribs and bottom roll-formed edge adds strength
- Reefer fuel tank cut-out is optional
- Black primed steel braces and mounting clamps, aluminum vertical stiffeners
- Must be used with I-Beam cross members



### ORDER DETAILS

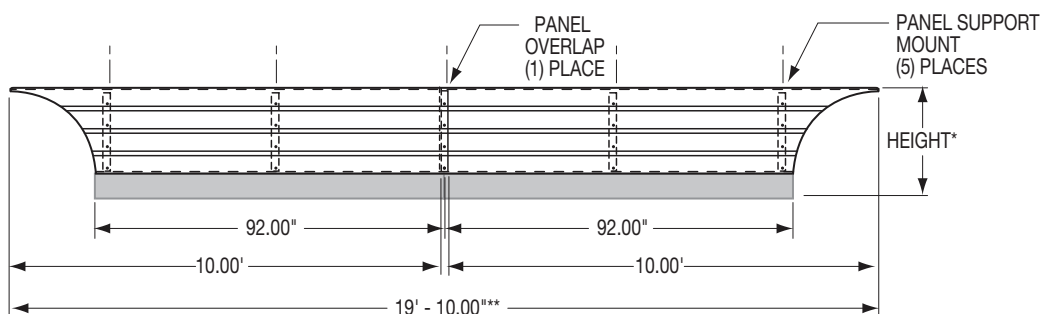
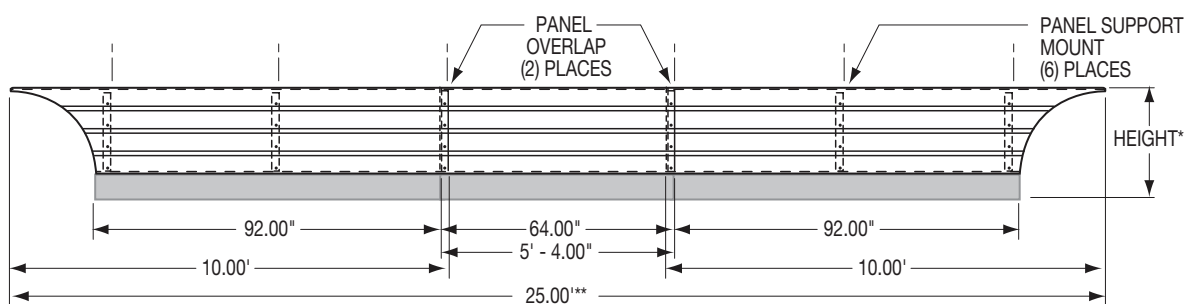
- Bulk kit, enough to do both sides of the trailer, consists of skirting, supports, and hardware. Support hardware is zinc, skirting attachment hardware is stainless steel.



### SPECIFICATIONS

part no	weight (lbs.)	height* (in.)	length** (ft.)	trailer application	supports per kit	skirts per kit
<b>034-02290</b>	189.00	29.00"	25.00'	53.00'	12	(4) 10' and (2) 5'
<b>034-02300</b>	162.10	29.00"	19.10'	48.00'	10	(4) 10'

*Supports are mounted on 5' centers. Individual skirts are either 10' or 5' in length.*





# Air Slipper Quarter Fenders - Metal

## FEATURES

- 18 gauge black primed steel, 18 gauge polished stainless steel or 16 gauge aluminum
- Attractive smooth, curved surface
- Large radiused side flanges reduce spray
- Heavy-duty reinforcement plate supports fender from the underside - no brackets or braces to detract from the smooth appearance
- Pre-assembled for faster installation
- Full 24" x 24" size
- Patent #4,706,980



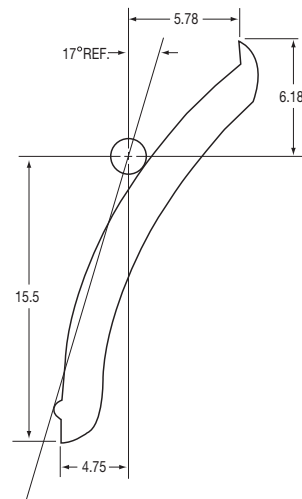
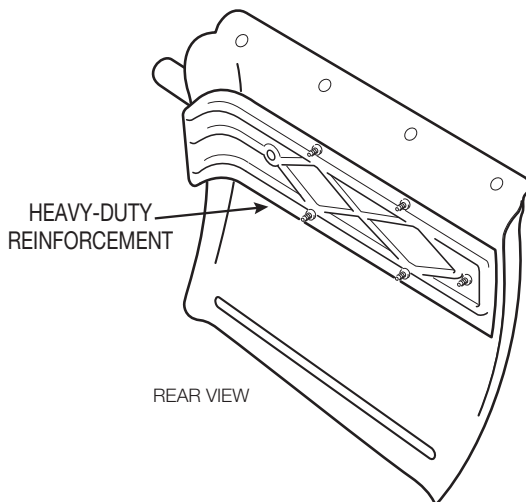
LEFT  
QUARTER FENDER  
(ROADSIDE)

## ORDER DETAILS

- Each fender packaged set includes one right and one left fender assembly with hanger clamps and clamp hardware
- See page 8 for the Air Slipper with top flaps
- Individual fenders do not include hanger clamp or clamp hardware

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00400	31.80	A	packaged set	18 gauge black primed steel
031-00402	33.20	A	packaged set	18 gauge polished stainless steel
031-00404	23.90	A	packaged set	16 gauge aluminum
033-00849	16.00	A	one left (roadside) quarter fender	18 gauge black primed steel
033-00850	16.00	A	one right (curbside) quarter fender	18 gauge black primed steel
033-00853	11.00	A	one left (roadside) quarter fender	16 gauge aluminum
033-00854	11.00	A	one right (curbside) quarter fender	16 gauge aluminum
033-00855	17.50	A	one left (roadside) quarter fender	18 gauge polished stainless steel
033-00856	17.50	A	one right (curbside) quarter fender	18 gauge polished stainless steel
032-00223	.48	A	one hanger tube clamp	zinc plated steel
032-00224	.48	A	one hanger tube clamp	stainless steel
031-00200	.62	A	hardware packaged set for 2 clamps, 5/8" bolts/nuts	zinc plated steel
031-01277	.07	A	end cap packaged set (pair)*	black polypropylene



\*See plastic end cap chart on page 51 for additional information

# Air Slipper Two Quarter Fenders - Polypropylene Black Plastic

## FEATURES

- One-piece injection molded design
- Textured surface and radiused side flanges
- Lighter weight than metal fenders
- Improved appearance and greater reinforcement on fender underside
- Larger 25" width increases tire coverage which greatly reduces spray, stones, and other deflections
- Unaffected by heat and cold - range of -40°F to 130°F (-40°C to 55°C)
- Patent #4,740,003



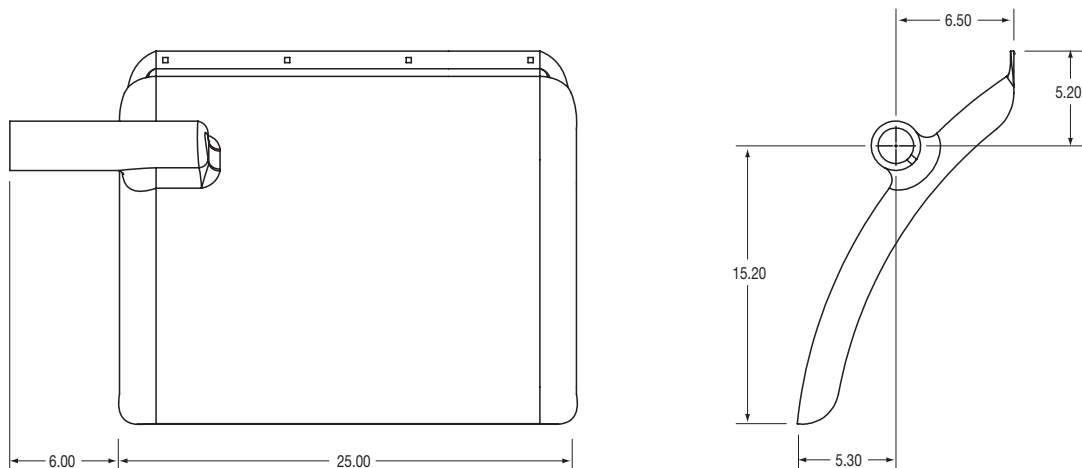
LEFT  
QUARTER FENDER  
(ROADSIDE)

## ORDER DETAILS

- Fender packaged set includes one right and one left fender assembly with hanger clamps and clamp hardware
- See page 8 for the Air Slipper Two with top flaps
- Individual fenders do not include hanger clamp or clamp hardware

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>031-00406</b>	17.30	A	packaged set	black plastic
<b>034-00731</b>	7.00	A	one left (roadside) quarter fender	black plastic
<b>034-00732</b>	7.00	A	one right (curbside) quarter fender	black plastic
<b>032-00285</b>	.50	A	one hanger tube clamp	zinc plated steel
<b>031-00200</b>	.62	A	hardware packaged set for 2 clamps, 5/8" bolts/nuts	zinc plated steel



# Air Slipper and Air Slipper Two Quarter Fender "COMBO"

## FEATURES

- All the great features of the **Air Slipper** and **Air Slipper Two** but with the convenience of the top flap already attached to the fender

## ORDER DETAILS

- Each "COMBO" packaged set includes one regular quarter fender packaged set, one white top flap with the red and black Fleet Engineers logo, and top flap hardware packaged set
- "COMBO" packaged sets are only stocked at the Muskegon facility



LEFT  
QUARTER FENDER  
(ROADSIDE)

## SPECIFICATIONS

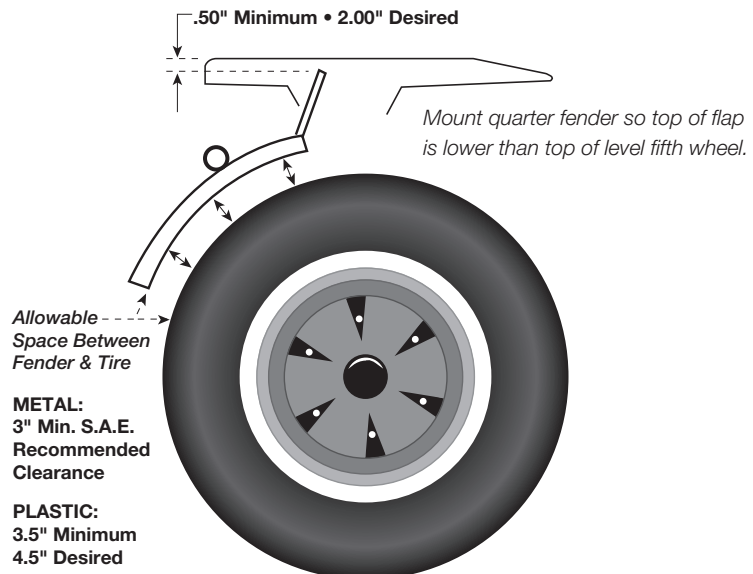
part no.	weight (lbs.)	pop. code	fender description	top flap hardware
031-00747	34.40	A	18 gauge polished stainless steel	stainless steel hardware
031-00921	33.00	A	18 gauge black primed steel	zinc hardware
031-00923	25.10	A	16 gauge aluminum	zinc hardware
031-00924	18.50	A	polypropylene black plastic	zinc hardware

## Quarter Fender Mounting Instructions

**Recommended quarter fender mounting will result in maximum fender and top flap product life.**

50-foot pounds of torque is needed on the steel clamp and 75 foot pounds of torque is needed on the stainless clamp. This torque is to be applied to the nut instead of the bolt. When this torque is applied, the flange end of the clamp should touch.

INS-97001





## Air Slipper Quarter Fenders Triangle Mount

### FEATURES

- 18 gauge 430 polished stainless steel
- Triangle tube design requires no cradle or braces
- Hidden mounting bolts create clean, uncluttered appearance
- Pre-assembled for faster installation
- Full 24.00" x 24.00" fender size

### ORDER DETAILS

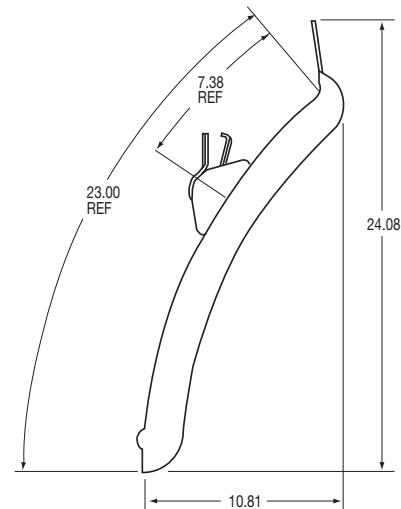
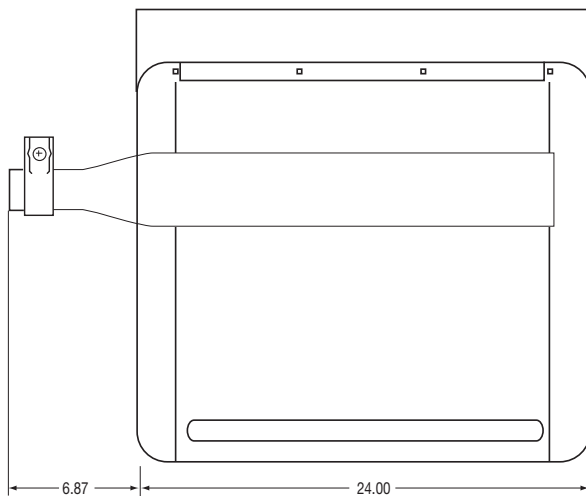
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>031-00419</b>	29.04	A	packaged set	stainless steel
<b>033-05185</b>	13.29	A	one left (roadside) quarter fender	stainless steel
<b>033-05186</b>	13.29	A	one right (curbside) quarter fender	stainless steel
<b>032-00224</b>	.48	A	one hanger clamp	stainless steel
<b>031-00200</b>	.62	A	hardware packaged set for 2 clamps, 5/8" bolts/nuts	zinc plated steel



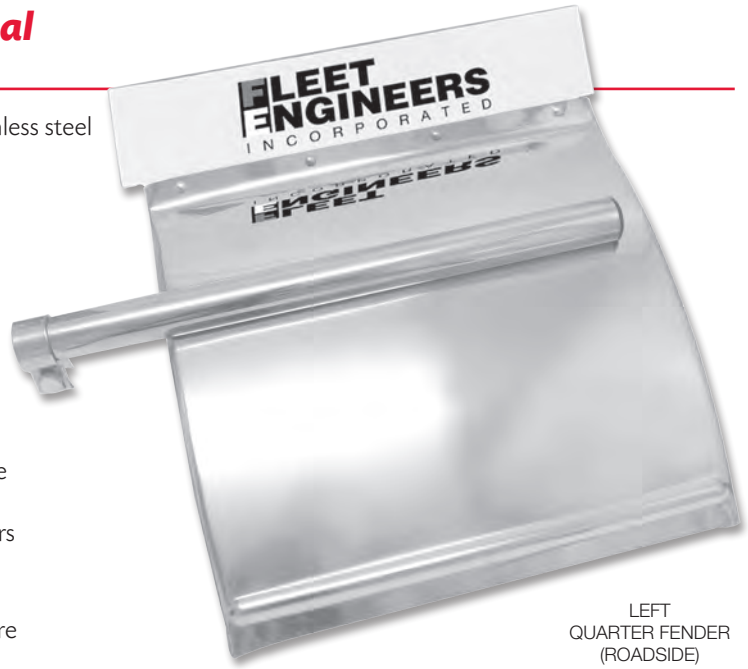
# Standard Quarter Fenders - Metal

## FEATURES

- 18 gauge black primed steel, 18 gauge polished stainless steel or 16 gauge aluminum
- Flattened tube design requires no cradle or braces
- Hidden mounting bolts create clean, uncluttered appearance
- Reinforcement strap on underside of fender
- Pre-assembled for faster installation
- Full 24.00" x 24.00" fender size

## ORDER DETAILS

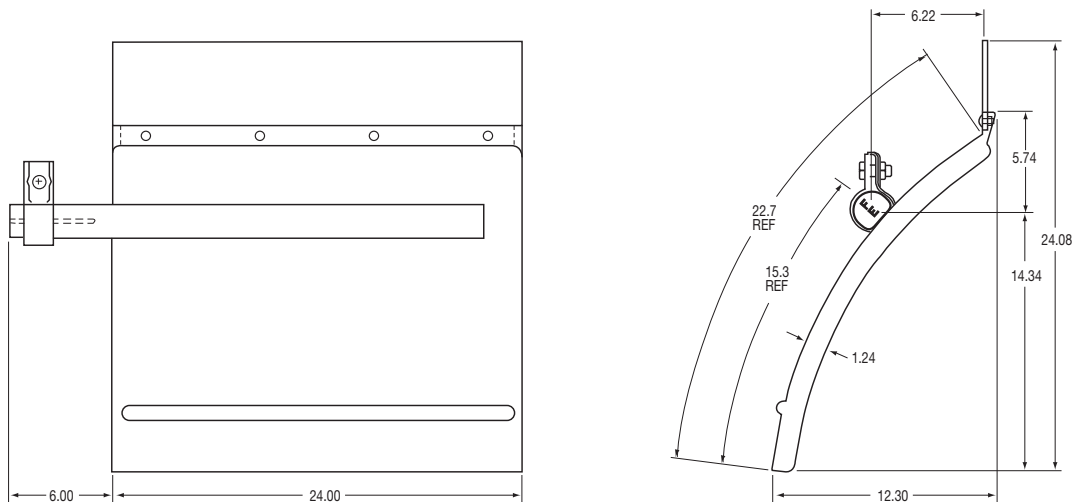
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	top flap hardware	cross reference
031-01070	29.38	A	packaged set	18 gauge 430 polished stainless steel	stainless steel	1585B-KIT, N100SSNM, SS100B2, 523000
031-01071	31.01	A	packaged set	18 gauge black primed steel	zinc	1590B-KIT, N100PNM, SP100B2, 503000
031-01072	21.99	A	packaged set	16 gauge aluminum	stainless steel	1580B-KIT, SA100B2
033-00208	15.50	A	one roadside fender	18 gauge 430 polished stainless steel		
033-00209	15.50	A	one curbside fender	18 gauge 430 polished stainless steel		
033-00210	16.70	A	one roadside fender	18 gauge black primed steel		
033-00211	16.70	A	one curbside fender	18 gauge black primed steel		
033-00212	11.40	A	one roadside fender	16 gauge aluminum		
033-00213	11.40	A	one curbside fender	16 gauge aluminum		
032-00223	.48	A	one hanger tube clamp	zinc plated steel		
032-00224	.48	A	one hanger tube clamp	stainless steel		
031-00200	.62	A	hardware packaged set for clamps w-5/8" bolt/nut	zinc plated steel		
031-01278	.07	A	end cap packaged set (pair)*	black polypropylene		



\*See plastic end cap chart on page 51 for additional information

# Standard Quarter Fenders - Polypropylene Black Plastic

## FEATURES

- Textured fender surface reduces scratches and dings
- Lighter weight than metal fenders
- Flattened tube design requires no cradle or braces
- Hidden mounting bolts create clean, uncluttered appearance
- Pre-assembled for faster installation
- Full 24.00" x 24.00" fender size

## ORDER DETAILS

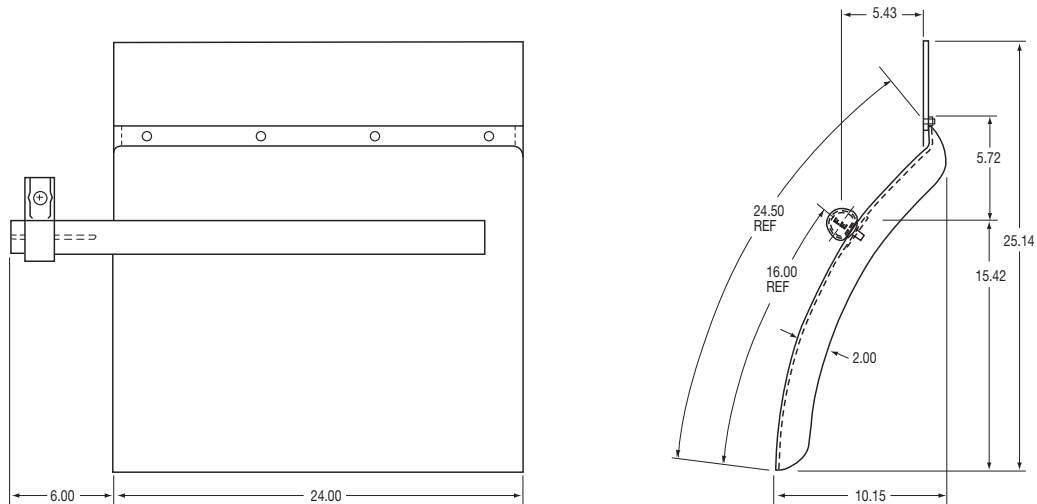
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>031-01636</b>	18.30	A	packaged set	1900-KIT, 203000, 5060-2
<b>033-05173</b>	7.50	A	one right (curbside) quarter fender	
<b>033-05174</b>	7.50	A	one left (roadside) quarter fender	
<b>032-00223</b>	.48	A	one hanger tube clamp	
<b>031-00200</b>	.62	A	hardware packaged set for clamp w-5/8" bolt/nut	
<b>031-01278</b>	.07	A	end cap packaged set (pair)* black polypropylene	



\*See plastic end cap chart on page 51 for additional information



# Standard Quarter Fenders For 19.5" Wheels

## FEATURES

- 18 gauge 430 polished stainless steel
- Flattened tube design requires no cradle or braces
- Hidden mounting bolts create clean, uncluttered appearance
- Reinforcement strap on underside of fender
- Pre-assembled for speedy installation
- Full 21.00" x 24.00" fender size

## ORDER DETAILS

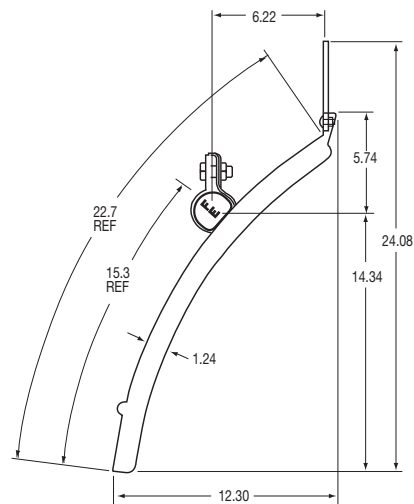
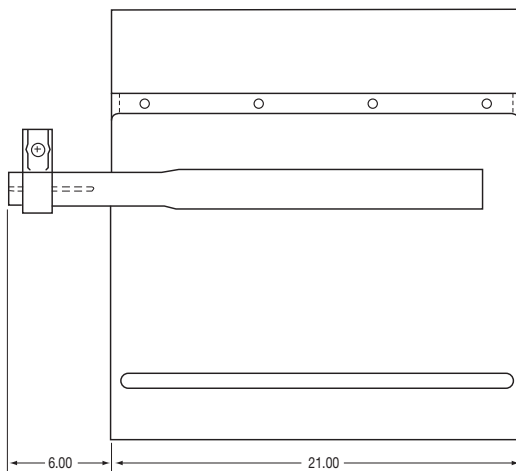
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	cross reference
<b>031-01635</b>	24.50	A	packaged set	18 gauge polished stainless steel	2105
<b>033-00218</b>	11.50	A	one left (roadside) fender	18 gauge polished stainless steel	-
<b>033-00219</b>	11.50	A	one right (curbside) fender	18 gauge polished stainless steel	-
<b>032-00224</b>	.48	A	one hanger tube clamp	stainless steel	-
<b>031-00200</b>	.62	A	hardware packaged set for 2 clamps w-5/8" bolt/nut	zinc plated steel	-
<b>031-01278</b>	.07	A	end cap packaged set (pair)*	black polypropylene	-



\*See plastic end cap chart on page 51 for additional information

## Standard Quarter Fenders with Triangle Mount 29" Expanded Size

### FEATURES

- 18 gauge 430 polished stainless steel
- Triangle mount design features an all-welded end cap
- Hidden mounting bolts create clean, uncluttered appearance
- Pre-assembled for faster installation
- Full 25.00" x 29.00" fender size

### ORDER DETAILS

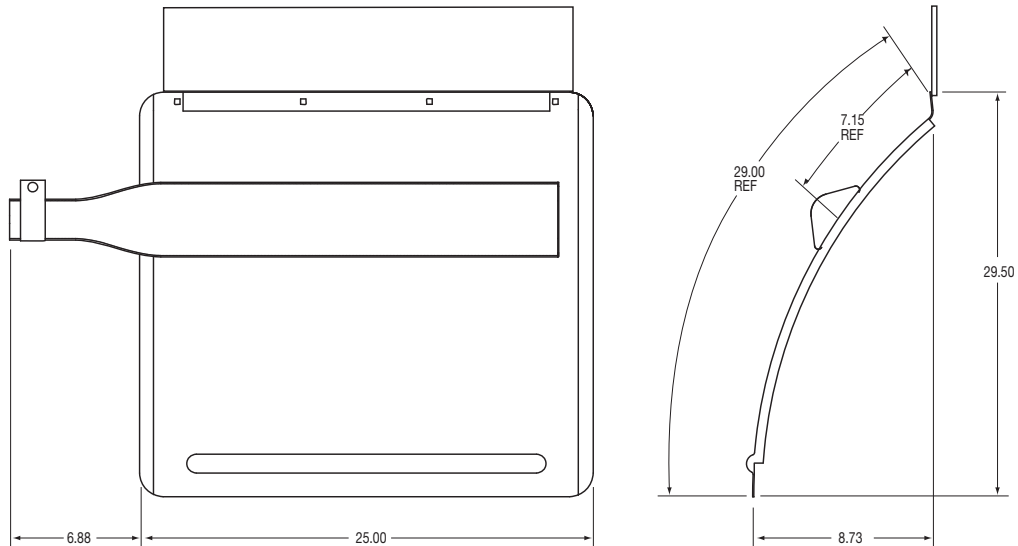
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>031-00537</b>	33.10	A	packaged set	18 gauge polished stainless steel
<b>033-05221</b>	16.00	A	one left (roadside) quarter fender	18 gauge polished stainless steel
<b>033-05220</b>	16.00	A	one right (curbside) quarter fender	18 gauge polished stainless steel
<b>032-00224</b>	.48	A	one hanger clamp	stainless steel
<b>031-00200</b>	.62	A	hardware packaged set for 2 clamps, 5/8" bolts/nuts	zinc plated steel



# Low Mount Standard Quarter Fenders

## APPLICATION

- When additional overhead clearance is required

## FEATURES

- 18 gauge 430 polished stainless steel or 16 gauge aluminum
- Tube design requires no cradle or additional braces
- Pre-assembled for faster installation
- Full 24" x 24" size

## ORDER DETAILS

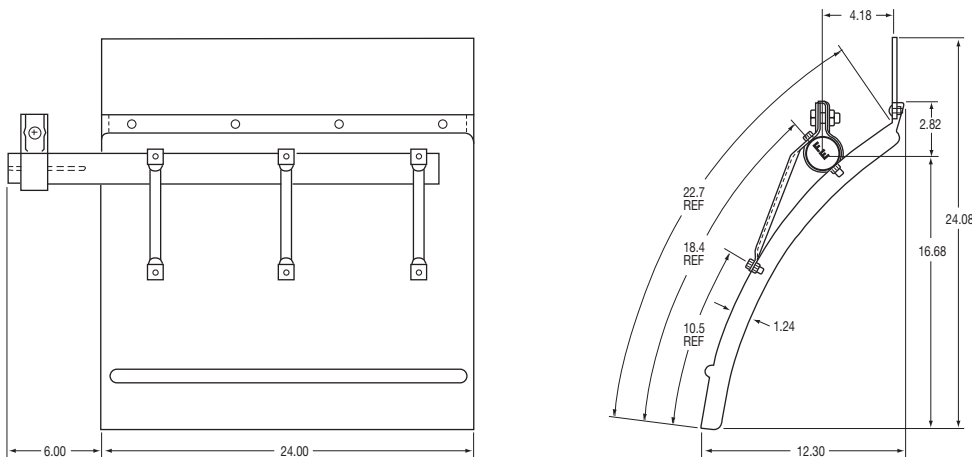
- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware



LEFT  
QUARTER FENDER  
(ROADSIDE)

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	hardware	cross reference
031-01074	29.73	B	packaged set	18 gauge polished stainless steel	stainless steel	1585LM-KIT
031-01092	23.00	B	packaged set	16 gauge aluminum	stainless steel	1580LM-KIT
033-00214	14.27	B	one roadside fender	18 gauge polished stainless steel		
033-00215	14.27	B	one curbside fender	18 gauge polished stainless steel		
033-00216	12.00	B	one roadside fender	16 gauge aluminum		
033-00217	12.00	B	one curbside fender	16 gauge aluminum		
032-00223	.48	A	one hanger clamp	zinc plated steel		
032-00224	.48	A	one hanger clamp	stainless steel		
031-00200	.62	A	hdw. packaged set for 2 clamps, 5/8" bolts/nuts	zinc plated steel		
031-01277	.07	A	end cap packaged set (pair)*	black polypropylene		



\*See plastic end cap chart on page 51 for additional information



# Low Mount Standard Quarter Fenders - Polypropylene Black Plastic

## APPLICATION

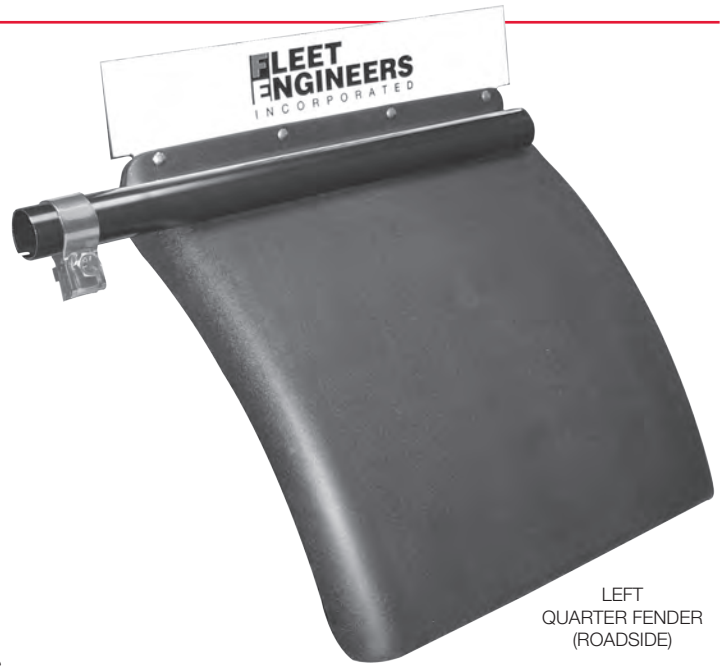
- When additional overhead clearance is required

## FEATURES

- Textured fender surface reduces scratches and dings
- Lighter weight than metal fenders
- Flattened tube design requires no cradle or braces
- Hidden mounting bolts create clean, uncluttered appearance
- Pre-assembled for faster installation
- Full 24.00" x 24.00" fender size

## ORDER DETAILS

- Each fender packaged set includes one right and one left fender with hanger clamps and clamp hardware, white top flaps with the red and black Fleet Engineers logo, and top flap hardware
- Individual fenders do not include hanger clamp, hanger clamp hardware, top flap or top flap hardware

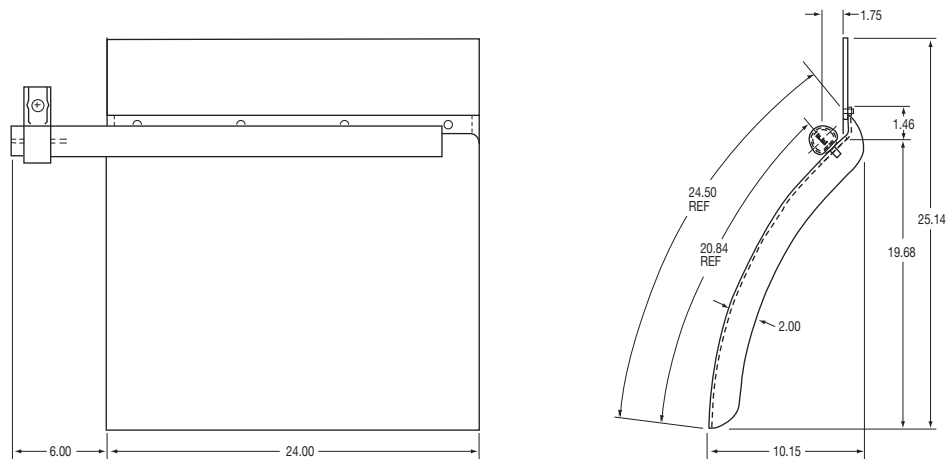


SPRAY CONTROL

QUARTER FENDERS

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>031-01637</b>	18.30	A	packaged set	
<b>033-05175</b>	7.50	A	one right (curbside) quarter fender	022-58857-001, A22-58858-001
<b>033-05176</b>	7.50	A	one left (roadside) quarter fender	022-58857-000, A22-58858-000
<b>032-00223</b>	.48	A	one hanger tube clamp	
<b>031-00200</b>	.62	A	hardware packaged set for clamp with 5/8" bolt/nut - zinc plated steel	
<b>031-01278</b>	.07	A	end cap packaged set (pair)* black polypropylene	



\*See plastic end cap chart on page 51 for additional information

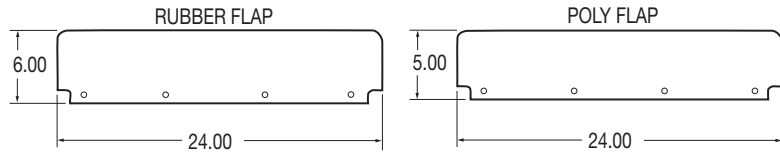
## Plain Top Flaps

### FEATURES

- Made of .12" thick durable poly blend material

### ORDER DETAILS

- Your choice of stainless or zinc plated steel mounting hardware
- Hardware packaged sets includes eight nuts, eight bolts, and eight washers
- Flap packaged sets contain two top flaps and flap hardware packaged set



### SPECIFICATIONS

packaged set part no.	individual flap part no.	packaged set weight (lbs.)	pop. code	description	hardware construction	flap color
031-00301	033-00011	3.70	A	plain rubber	stainless steel	black
031-00311	033-00422	1.20	A	plain poly blend	stainless steel	white
031-00320	033-00430	1.20	A	plain poly blend	stainless steel	black
031-00242	033-00011	3.70	A	plain rubber	zinc plated steel	black
031-00252	033-00422	1.20	A	plain poly blend	zinc plated steel	white
031-00261	033-00430	1.20	A	plain poly blend	zinc plated steel	black

## Top Flap Hardware

### APPLICATION

- For use with plain, custom, or OEM logo flaps

### ORDER DETAILS

- Choice of stainless or zinc plated steel
- Includes eight nuts, eight carriage bolts, and eight washers in a plastic bag



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	hardware construction
031-00414	.30	A	flap hardware	zinc plated steel
031-00415	.30	A	flap hardware	stainless steel

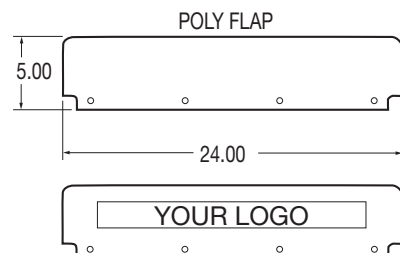
## Top Flaps with an OEM Logo or Custom Stamped With Your Logo

### FEATURES

- Made of .12" thick durable poly blend material
- Mylar hot stamping process assures long life of lettering and trademarks

### ORDER DETAILS

- OEM logos available only through respective dealers
- Contact your Fleet Engineers representative for information on custom top flaps
- Choice of stainless or zinc plated steel mounting hardware
- Flap packaged sets contain two top flaps and flap hardware packaged set
- Hardware packaged set includes eight nuts, eight carriage bolts, and eight washers in a plastic bag



### SPECIFICATIONS

packaged set part no.	individual flap part no.	packaged set weight (lbs.)	pop. code	description	hardware construction	flap color	logo color
031-00302	033-00405	1.20	A	Fleet Engineers	stainless steel	white	black/red
031-00304	033-00410	1.20	A	Freightliner	stainless steel	white	black
031-00305	033-00411	1.20	A	Peterbilt	stainless steel	white	red
031-00306	033-00412	1.20	A	International	stainless steel	white	black
031-00309	033-00417	1.20	A	Kenworth	stainless steel	white	red
031-00315	033-00420	1.20	A	Fleetsrite	stainless steel	white	black
031-00319	033-00432	1.20	A	Western Star	stainless steel	white	black
031-00931	033-00441	1.20	A	Volvo	stainless steel	white	blue
031-00962	033-04234	1.20	A	Mack	stainless steel	white	black
031-00964	033-04235	1.20	A	Mack	stainless steel	black	gray
031-00980	033-04243	1.20	A	Sterling	stainless steel	white	black
031-00243	033-00405	1.20	A	Fleet Engineers	zinc plated steel	white	black/red
031-00245	033-00410	1.20	A	Freightliner	zinc plated steel	white	black
031-00246	033-00411	1.20	A	Peterbilt	zinc plated steel	white	red
031-00247	033-00412	1.20	A	International	zinc plated steel	white	black
031-00250	033-00417	1.20	A	Kenworth	zinc plated steel	white	red
031-00256	033-00420	1.20	A	Fleetsrite	zinc plated steel	white	black
031-00260	033-00432	1.20	A	Western Star	zinc plated steel	white	black
031-00932	033-00441	1.20	A	Volvo	zinc plated steel	white	blue
031-00961	033-04234	1.20	A	Mack	zinc plated steel	white	black
031-00963	033-04235	1.20	A	Mack	zinc plated steel	black	gray
031-00981	033-04243	1.20	A	Sterling	zinc plated steel	white	black

### SPECIFICATIONS FOR CUSTOM FLAPS

031-AC262	031-AC262	n/a	N/A	initial order set-up charge	n/a	n/a
031-00262-	033-00434-	1.20	C	top flap	zinc plated steel	white
031-00263-	033-00435-	1.20	C	top flap	zinc plated steel	black
031-00321-	033-00434-	1.20	C	top flap	stainless steel	white
031-00322-	033-00435-	1.20	C	top flap	stainless steel	black

## PivotBar®

### APPLICATION

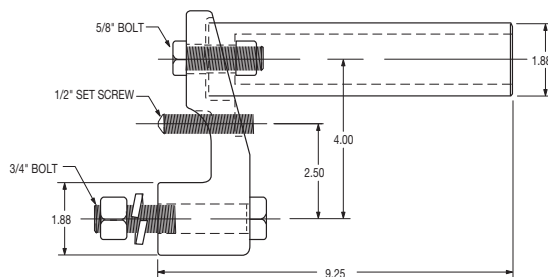
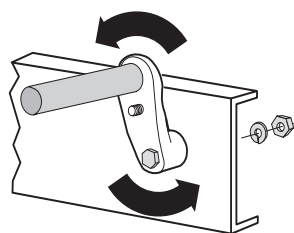
- Greatly assists in properly mounting quarter fenders where needed
- Can be used with most brands of quarter fenders

### FEATURES

- Stout casting with E-coat finish
- Provides an offset of 4.00" and rotates 360°

### ORDER DETAILS

- **Standard** packaged set includes two adapters, adapter to chassis hardware, and two jamming screws
- **Complete** packaged set includes two adapters, adapter to chassis hardware, two jamming screws, two post mounts, and adapter to post mount hardware



U. S. Patent #6,471,228  
CAN. Patent #2,328,682

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
031-01586	9.05	A	standard PivotBar® packaged set
031-01587	10.91	A	complete PivotBar® packaged set (includes post mounts)
033-04730	3.61	A	individual PivotBar®
031-01219	1.56	A	adapter to chassis and two jamming screws hardware packaged set
031-01220	.62	A	adapter to post mount hardware packaged set

## Cross Mount Tube

### APPLICATION

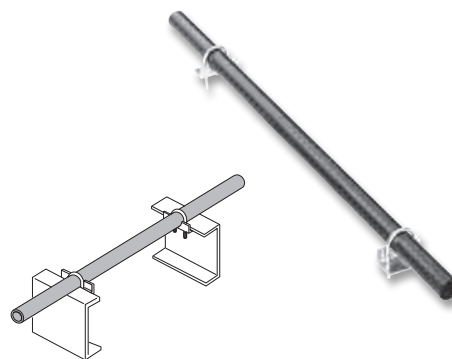
- For heavy-duty, over-the-frame mounting

### FEATURES

- Steel construction
- Black primer finish
- 50.00" long for added strength and durability

### ORDER DETAILS

- Bulk kit contains one cross mount tube and all mounting hardware
- Hardware packaged set consists of mounting brackets, u-bolts, and nuts.



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
031-00233	8.97	A	complete bulk kit
032-00203	7.42	A	one cross tube
031-00199	1.55	A	hardware packaged set



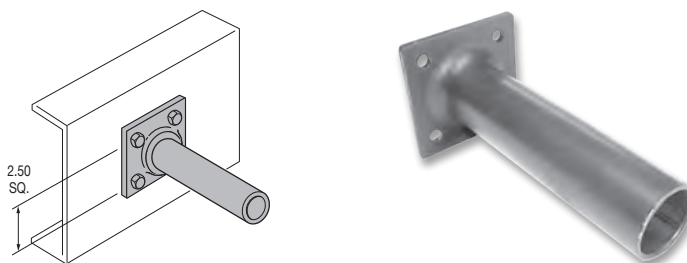
## Side Mount Socket

### APPLICATION

- For independent side mounting
- Bolts directly to frame

### FEATURES

- Steel construction
- Black primer finish
- 8.00" long for added strength and durability
- Mounting plate is 3.75" x 3.75"



### ORDER DETAILS

- Bulk kit contains two side mount sockets

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>031-00234</b>	5.00	A	bulk kit	-
<b>032-00194</b>	2.50	A	one side mount socket	1600-11M

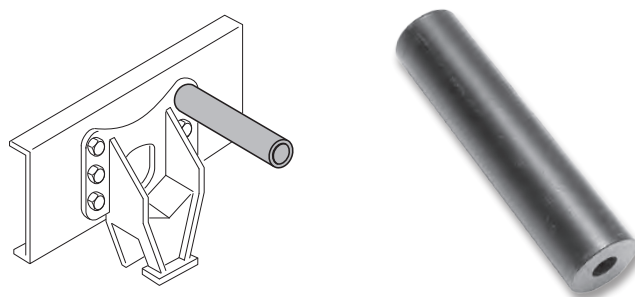
## Post Mount Socket

### APPLICATION

- For independent post mounting
- Bolts directly to frame or suspension using present vehicle hardware

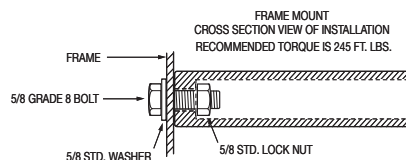
### FEATURES

- Cast steel construction
- Black primer finish
- 8.00" long for added strength and durability



### ORDER DETAILS

- Mounting hardware (bolt, washer and nut) not included
- Bulk kit contains two post mount sockets



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>031-00235</b>	4.00	A	bulk kit	-
<b>032-00199</b>	2.00	A	one post mount socket	1600-15M

# Standard-Duty Tandem Fenders

## FEATURES

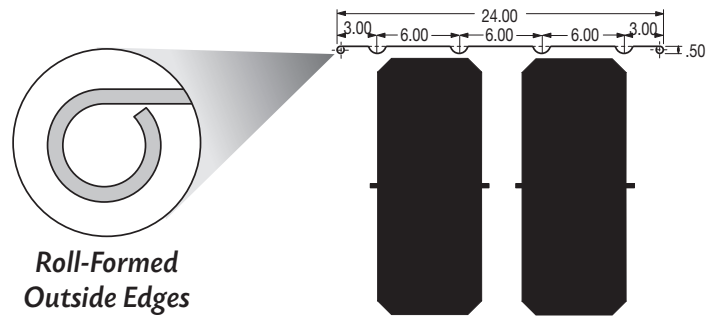
- Ribbed for extra strength
- Outside edges formed in a tight radius gives it extra rigidity and smoothness.

## ORDER DETAILS

- Please contact Fleet Engineers for your custom tandem fender needs
- Mounts not included - for a variety of tandem mount options, refer to pages 24-31

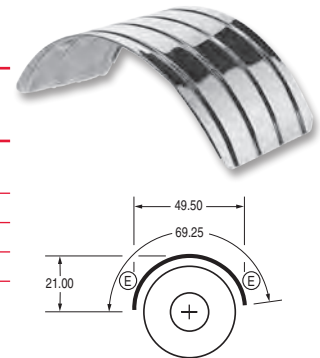
## NOTE:

- The tandem mounting support brackets and the various models of tandem fenders are purposely not pre-drilled on top because of the many vehicle variations and side frame clearance problems. Drilling specifically to match the application offers the most flexibility of mounting options without defacing the fenders or weakening the mounts with unnecessary holes.



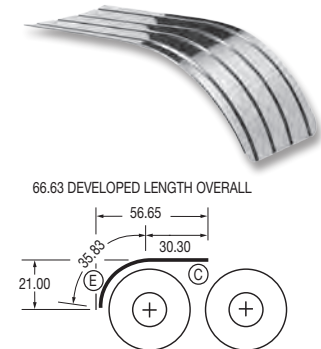
## STANDARD-DUTY FULL ROUND TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
034-01324	51.86	A	18 gauge 430 polished stainless steel	two end (E)	034-01356
034-01325	24.78	A	16 gauge aluminum	two end (E)	034-01357
034-01326	50.00	A	18 gauge black primed steel	two end (E)	034-01358
034-01327	50.00	A	18 gauge galvanized steel	two end (E)	034-01359



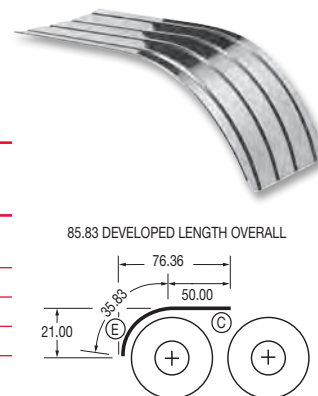
## STANDARD-DUTY HALF TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
034-01320	49.52	A	18 gauge 430 polished stainless steel	one end (E) and one center (C)	034-01352
034-01321	21.76	A	16 gauge aluminum	one end (E) and one center (C)	034-01353
034-01322	47.75	A	18 gauge black primed steel	one end (E) and one center (C)	034-01354
034-01323	47.75	A	18 gauge galvanized steel	one end (E) and one center (C)	034-01355



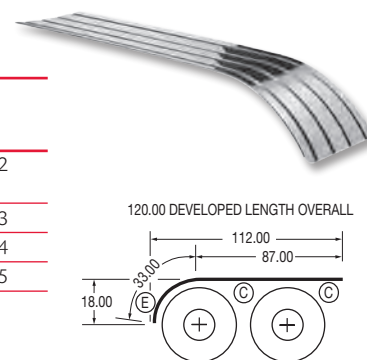
### STANDARD-DUTY HALF TANDEM FENDERS (EXTRA LONG) SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
<b>034-01497</b>	64.26	A	18 gauge 430 polished stainless steel	one end (E) and one center (C)	034-01472
<b>034-01498</b>	28.26	A	16 gauge aluminum	one end (E) and one center (C)	034-01473
<b>034-01499</b>	61.97	A	18 gauge black primed steel	one end (E) and one center (C)	034-01474
<b>034-01500</b>	61.97	A	18 gauge galvanized steel	one end (E) and one center (C)	034-01475



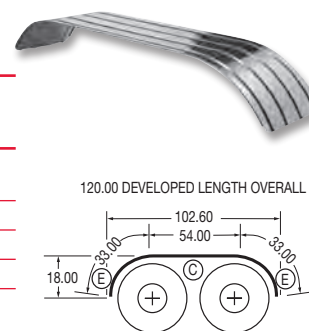
### STANDARD-DUTY SINGLE RADIUS TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
<b>034-01316</b>	89.13	A	18 gauge 430 polished stainless steel	one end (E) and two center (C)	034-01362
<b>034-01317</b>	39.25	A	16 gauge aluminum	one end (E) and two center (C)	034-01363
<b>034-01318</b>	85.50	A	18 gauge black primed steel	one end (E) and two center (C)	034-01364
<b>034-01319</b>	85.50	A	18 gauge galvanized steel	one end (E) and two center (C)	034-01365



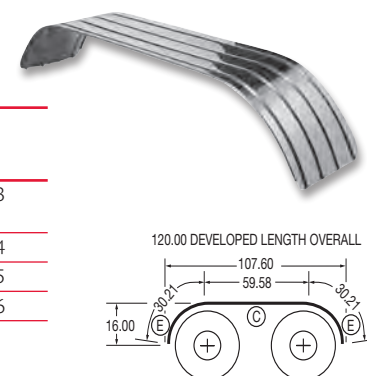
### STANDARD-DUTY DOUBLE RADIUS TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
<b>034-01312</b>	89.13	A	18 gauge 430 polished stainless steel	two end (E) and one center (C)	034-01366
<b>034-01313</b>	39.25	A	16 gauge aluminum	two end (E) and one center (C)	034-01367
<b>034-01314</b>	85.50	A	18 gauge black primed steel	two end (E) and one center (C)	034-01368
<b>034-01315</b>	85.50	A	18 gauge galvanized steel	two end (E) and one center (C)	034-01369



### STANDARD-DUTY DOUBLE RADIUS TANDEM FENDERS (EXTRA LONG) SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
<b>034-01493</b>	94.24	A	18 gauge 430 polished stainless steel	two end (E) and one center (C)	034-01453
<b>034-01494</b>	40.72	A	16 gauge aluminum	two end (E) and one center (C)	034-01454
<b>034-01495</b>	89.74	A	18 gauge black primed steel	two end (E) and one center (C)	034-01455
<b>034-01496</b>	89.74	A	18 gauge galvanized steel	two end (E) and one center (C)	034-01456



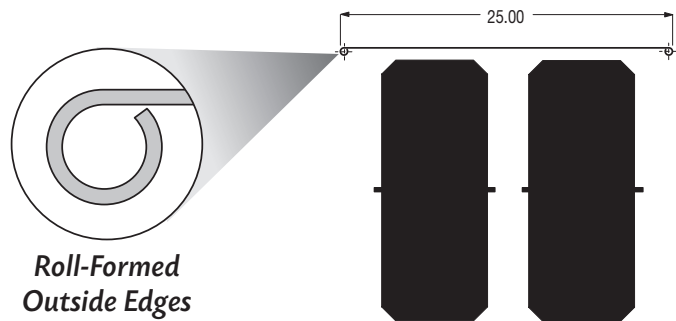
## Smooth Skin Tandem Fenders

### FEATURES

- Radius ends reduce cracking issues.
- Outside edges formed in a tight radius gives it extra rigidity and smoothness.

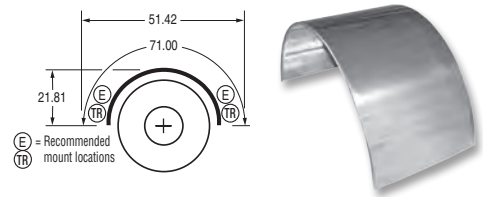
### ORDER DETAILS

- Mounts not included - for a variety of tandem mount options, refer to pages 24-31



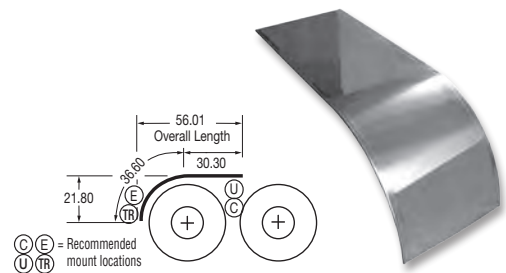
## SMOOTH SKIN FULL ROUND TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
034-02241	65.76	A	16 gauge 430 polished stainless steel	two end (E) or (TR)	034-02221



## SMOOTH SKIN HALF TANDEM FENDERS SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
034-02240	62.04	A	16 gauge 430 polished stainless steel	one end (E) or (TR) and one center (C) or (U)	034-02220



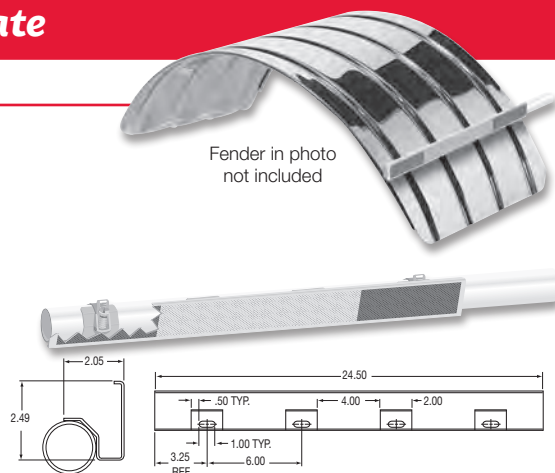
## Universal Conspicuity End Mount Plate

### FEATURES

- DOT-C2 reflective tape adhered to plate meets requirements of the conspicuity law
- Easily installed on most metal or plastic tandem fenders
- Use roadside or curbside

### ORDER DETAILS

- Packaged set includes two plates and hardware
- Hardware packaged set includes two stainless steel unique swivel action clamps that fit both round and flat mounts



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	application	construction
031-01583	1.75	A	packaged set	roadside or curbside	aluminum plate w/ reflective tape
033-04269	0.62	A	one bracket	roadside or curbside	aluminum plate w/ reflective tape
031-01585	0.13	A	hardware packaged set		stainless steel

patent #6,431,605

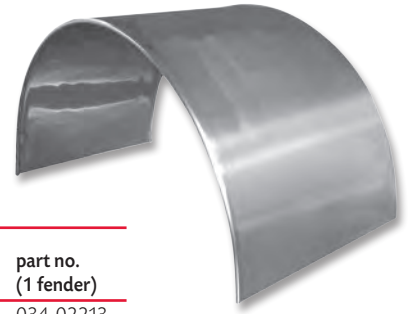
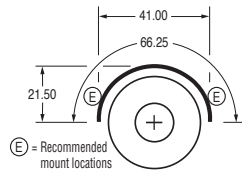
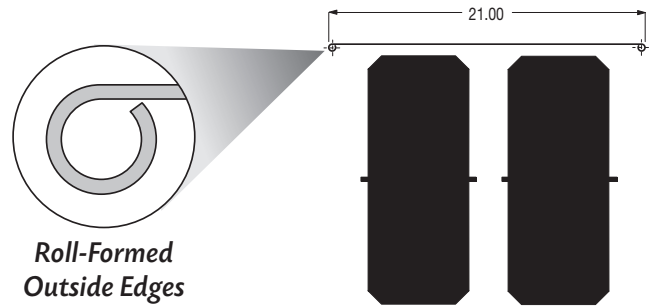
# Smooth Skin Full Round Tandem Fenders - 19.50" Wheel Applications

## FEATURES

- Radius ends reduce cracking issues.
- Outside edges formed in a tight radius gives it extra rigidity and smoothness.

## ORDER DETAILS

- Mounts not included.  
Use mount #031-01645 (below)



## SPECIFICATIONS

part no. (2 fenders)	weight (lbs.)	pop. code	construction	recommended mount package sets for pair	part no. (1 fender)
<b>034-02212</b>	42.00	A	18 gauge 430 polished stainless steel	two end (E)	034-02213

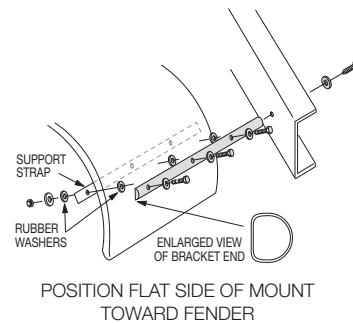
# End Mount for Smooth Skin Full Round Tandem Fenders - 19.50" Wheel Applications (E)

## FEATURES

- Flush mount design results in more bearing surface
- Use single mounting hole or one of the existing suspension casting holes and bolts for installation
- Stainless steel construction
- Rubber washer positioned between bracket and fender

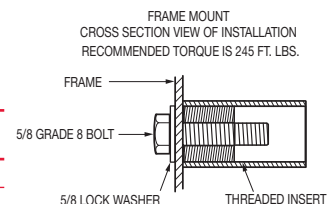
## ORDER DETAILS

- Used with Smooth Skin Full Round Tandem Fender part number 034-02212 only (above)
- Packaged set includes two mounting brackets, end caps\*, and fender-to-bracket and bracket-to-chassis frame hardware



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>031-01645</b>	15.95	A	packaged set	stainless steel



•NOTE: The tandem mounting support brackets and the various models of tandem fenders are purposely not pre-drilled on top because of the many vehicle variations and side frame clearance problems. Drilling specifically to match the application offers the most flexibility of mounting options without defacing the fenders or weakening the mounts with unnecessary holes.

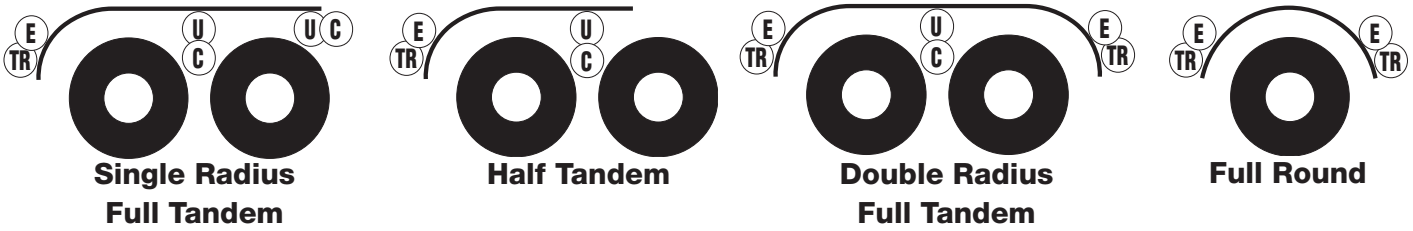
\*See plastic end cap chart on page 51 for additional information



# X-FLEX® Mounting System

SPRAY CONTROL

X-FLEX® MOUNTING TECHNOLOGY



## SELECTION PROCESS:

1. Determine fender type
2. Determine mount locations and quantity needed\*
3. Determine mount type (straight or offset)
4. Determine tube finish

### X-FLEX® Packaged Sets *Includes everything needed to mount fenders\**

					MOUNT TYPE	
					TR	U
					Top Radius	Under
part no.	description	isolator type	mount type	tube finish		
031-01234	X-FLEX® straight mount-TR	Vibrowedge®	straight	RoadKote® (black E-coat)	•	
031-01235	X-FLEX® straight mount-TR	Vibrowedge®	straight	stainless steel	•	
031-01226	X-FLEX® Multi-Mount-U	Iso-Blox®	multi-adj. offset	RoadKote® (black E-coat)		•
031-01227	X-FLEX® Multi-Mount-TR	Vibrowedge®	multi-adj. offset	RoadKote® (black E-coat)	•	
031-01228	X-FLEX® Multi-Mount-TR	Vibrowedge®	multi-adj. offset	stainless steel	•	
031-01238	X-FLEX® PivotBar-TR	Vibrowedge®	fixed offset	RoadKote® (black E-coat)	•	
031-01239	X-FLEX® PivotBar-TR	Vibrowedge®	fixed offset	stainless steel	•	

\* Important: Each part number represents TWO mounts of ONE designation (TR, or U)

### X-FLEX Vibro-Isolators *Mounts NOT included*

031-00096	X-FLEX® Vibrowedge® - Radius		•
031-01208	X-FLEX® Iso-Blox®		•
031-01209	X-FLEX® Iso-Blox® Xtend-a-pad - must be used with 031-01208		•

NOTE: This application guide is intended to be a general guide to help the installer. Because of the large number of possible mounting configurations, the installer is responsible for the ultimate installation design. Any modifications to the product are at the discretion, responsibility, and risk of the installer. These kits may not fit all truck models or types of suspensions. Check the truck manufacturer for suspension movement specifications.

For mounting on top of fender (flat applications) or other mounting applications, contact the Fleet Engineers Engineering Department.

X-FLEX® Straight Mount - TR	X-FLEX® Multi-Mount-U	X-FLEX® Multi-Mount-TR	X-FLEX® PivotBar® - TR
With VibroWedge® Isolator Part # 031-01234, 031-01235	With Iso-Blox® Isolator Part # 031-01226	With VibroWedge® Isolator Part # 031-01227, 031-01228	With VibroWedge® Isolator Part # 031-01238, 031-01239
U.S. Patent #6,648,373	U.S. Patent #6,648,373 and 7,073,804 CAN. Patent #2,416,956	U.S. Patent #6,648,373 and 7,073,804 CAN. Patent #2,416,956	U.S. Patent #6,648,373 and 6,471,228



# X-FLEX® Multi-Mount® (U) (C)



## APPLICATION

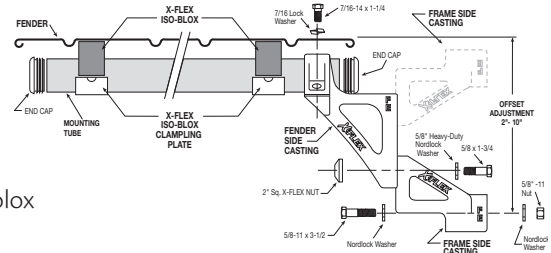
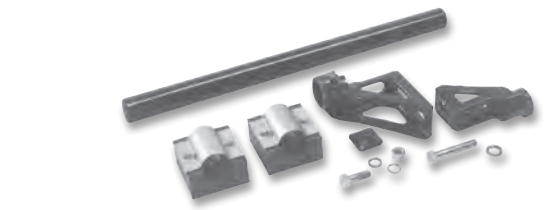
- Designed for mounting under the fender in a center position using the X-FLEX® Iso-blox® (part # 031-01208) included
- Will work on most fenders from a variety of manufacturers

## FEATURES

- Allows for adjustable offset range of 0" to 8.00" from centerline of mounting tube to centerline of chassis mounting bolt.
- Eliminates direct metal-to-metal contact
- Uses "Nordlock" anti-vibration washers in 5/8" applications

## ORDER DETAILS

- Set consists of two E-coat fender-side castings and two frame-side castings, castings to chassis hardware, two RoadKote® finish tubes, four end caps, \* four Iso-blox mounts, four metal caps, fender to Iso-blox hardware, and mounting bracket to Iso-blox hardware



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code
031-01226	32.82	A

U.S. Patent #6,648,373 and 7,073,804  
CAN. Patent #2,416,956

# X-FLEX® Multi-Mount® (TR) and (TF) (E)

## APPLICATION

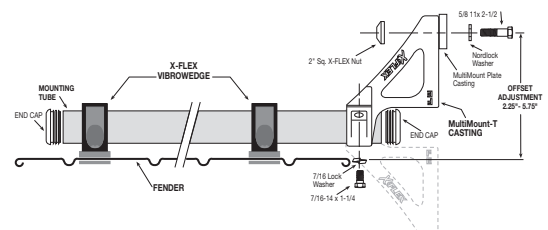
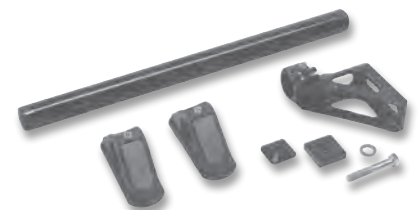
- Designed for mounting on top of the fender in a center or end position using the X-FLEX® Vibrowedge®
- Will work on most fenders from a variety of manufacturers

## FEATURES

- Minimizes "spider web" cracking where fender is attached to mounts
- Eliminates direct metal-to-metal contact and creates a "free floating" zone of vibration isolation
- Allows for adjustable offset range of 2.25" to 5.75" from centerline of mounting tube to centerline of chassis mounting bolt.
- Uses "Nordlock" anti-vibration washers in 5/8" applications

## ORDER DETAILS

- Set consists of two tubes, four end caps\*, four mount retainers, four Vibrowedge isolators, four backing straps, eight stainless steel covers, stainless steel fender to bracket hardware, two E-coat fender side castings, two frame plates, casting to bracket, and casting to chassis hardware



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tube construction	application
031-01227	25.10	A	RoadKote® (E-coat)	TR (end)
031-01228	25.10	A	stainless steel	TR (end)
031-01229	25.38	A	RoadKote® (E-coat)	TF (center)
031-01230	25.38	A	stainless steel	TF (center)

\*See application guide on page 24  
\*See plastic end cap chart on page 51 for additional information

U.S. Patent #6,648,373 and 7,073,804  
CAN. Patent #2,416,956

SPRAY CONTROL

X-FLEX® MOUNTING TECHNOLOGY



## X-FLEX® Straight Mount (TR) and (TF) E

### APPLICATION

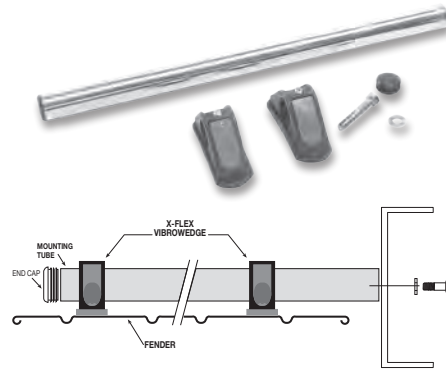
- Will work on most fenders from a variety of manufacturers

### FEATURES

- X-FLEX® VibroWedges® minimize "spider web" cracking where fender is attached to mounts
- Eliminates direct metal-to-metal contact and creates a "free floating" zone of vibration isolation

### ORDER DETAILS

- Set consists of two tubes, bracket to chassis hardware, two end caps,\* four mount retainers, four Vibrowedge® isolators, four backing straps, eight stainless steel covers, and stainless steel fender to bracket hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tube construction	application
031-01234	17.67	A	RoadKote® (E-coat)	TR (end)
031-01235	17.67	A	stainless steel	TR (end)
031-01236	17.95	A	RoadKote® (E-coat)	TF (center)
031-01237	17.95	A	stainless steel	TF (center)

patent #6,648,373

## X-FLEX® PivotBar® Mount (TR) and (TF) E

### APPLICATION

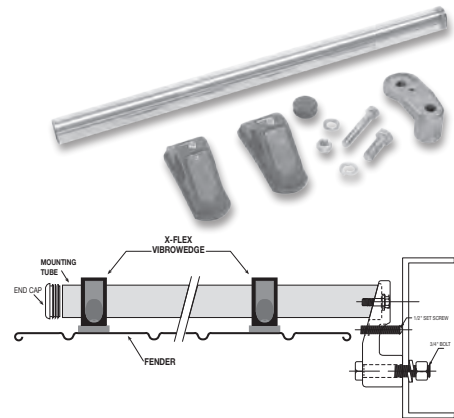
- Will work on most fenders from a variety of manufacturers

### FEATURES

- X-FLEX® VibroWedges® minimize "spider web" cracking where fender is attached to mounts
- Eliminates direct metal-to-metal contact and creates a "free floating" zone of vibration isolation
- Provides an offset of 4.00" and rotates 360°

### ORDER DETAILS

- Bulk kit consists of two E-coat PivotBar® adaptors, adaptor to chassis hardware, two tubes, bracket to adaptor hardware, two end caps,\* four mount retainers, four Vibrowedge® isolators, four backing straps, eight stainless steel covers and stainless steel fender to bracket hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tube construction	application
031-01238	28.58	A	RoadKote® (E-coat)	TR (end)
031-01239	28.58	A	stainless steel	TR (end)
031-01240	28.86	A	RoadKote® (E-coat)	TF (center)
031-01241	28.86	A	stainless steel	TF (center)

patent #6,648,373 and #6,471,228

\*See application guide on page 24

\*See plastic end cap chart on page 51 for additional information

## APPLICATION

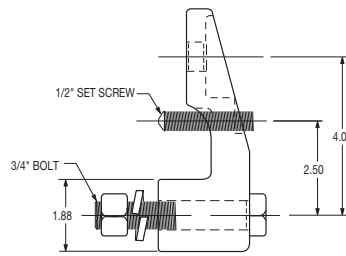
- Greatly assists in properly mounting tandem fenders where needed

## FEATURES

- Stout casting with E-coat finish
- Provides an offset of 4.00" and rotates 360°

## ORDER DETAILS

- Must be used in conjunction with tandem end mount packaged sets (post style - pg. 30)
- Standard packaged set includes two adapters, adapter to chassis hardware and two jamming screws



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
031-01586	10.91	A	standard offset mount adapter packaged set
033-04730	3.61	A	individual adapter
031-01219	1.56	A	hardware packaged set for standard offset mount adapter kit

U.S. Patent 6,471,228  
CAN. Patent #2,328,682

# X-FLEX® VibroWedge® (TR) and (TF)

## APPLICATION

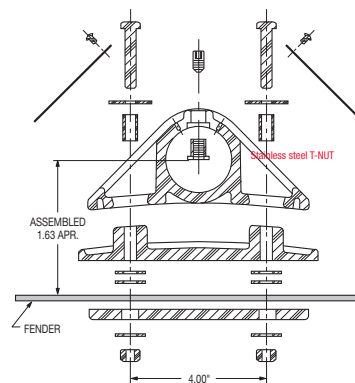
- Will work on most fenders from a variety of manufacturers

## FEATURES

- Minimizes spider web cracking where fender is attached to mounts
- Primary application is as an end mount
- Eliminates all direct metal to metal contact and creates a "free floating" zone of vibration isolation

## IMPROVEMENTS

- Stainless steel T-nut prevents cracked retainer due to overtightening



Backing Strap Rubber Isolator Mount Retainer



## ORDER DETAILS

- For use with 1-7/8" round end mount tube, not included
- Packaged set consists of four mount retainers, four VibroWedge® isolators, four backing straps, eight stainless steel covers, and stainless steel fender-to-bracket hardware

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	application*
031-00096	4.69	A	complete packaged set for radius application	TR
031-00097	4.97	A	complete packaged set for flat application	TF

U.S. Patent #6,648,373  
CAN. Patent # 2,356,064

\*See application guide on page 24

\*See plastic end cap chart on page 51 for additional information



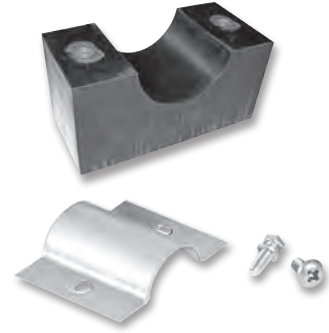
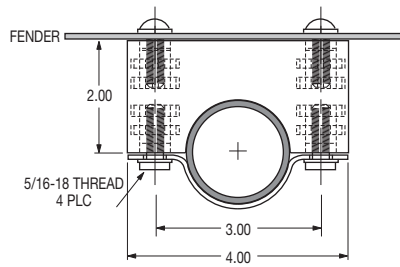
## X-FLEX® Iso-blox®

### APPLICATION

- Will work on most fenders from a variety of manufacturers
- Primary application is as a center mount

### FEATURES

- Minimizes spider web cracking where fender is attached to mounts
- Eliminates all direct metal to metal contact and creates a "free floating" zone of vibration isolation



### ORDER DETAILS

- Packaged set consists of four Iso-blox®, four metal caps, fender-to-block hardware, and mounting tube-to-blocks hardware
- Use with any 1-7/8" mounting tube

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	application*
031-01208	3.05	A	X-Flex blocks and hardware	U

patent #6,648,373

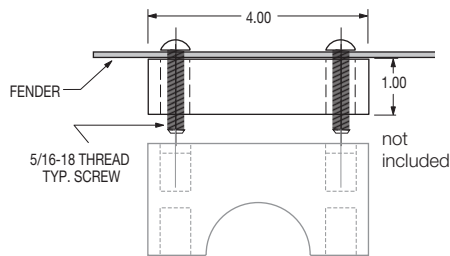
## X-FLEX® Iso-blox® Xtend-A-Pad

### FEATURES

- Allows additional vertical adjustment when mounting fender using the X-FLEX® system
- Raises the mounting height of the fender by 1.00"

### ORDER DETAILS

- Packaged set consists of four Iso-blox®, hardware to attach the fender to Xtend-A-Pad and X-FLEX® Isoblox
- Must be used with the X-FLEX® Iso-blox®



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	application*
031-01209	3.44	A	U

U.S. Patent #6,648,373  
CAN. Patent #2,356,064

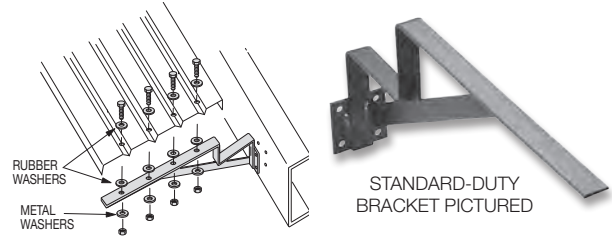
\*See application guide on page 24

\*See plastic end cap chart on page 51 for additional information

## Center Mount C

### FEATURES

- Steel construction, black primer finish
- Flat rubber washer positioned between bracket and fender
- Concave rubber washer positioned between bolt and fender
- For use with double radius, single radius, and half tandem fenders
- Standard bracket mounting plate 3.75" x 3.75" with regular holes
- Heavy-duty bracket mounting plate 4.00" x 6.00" with slotted holes



### ORDER DETAILS

- Packaged set includes two mounting brackets with fender-to-bracket hardware

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	application	gusset width (in.)	bracket width (in.)
031-00541	15.02	A	packaged set	black primed steel	standard-duty	1.50	1.50
034-00866	7.36	A	one bracket	black primed steel	standard-duty	1.50	1.50
031-00844	35.04	A	packaged set	black primed steel	heavy-duty	2.50	2.00
034-01658	17.37	A	one bracket	black primed steel	heavy-duty	2.50	2.00
031-00550	.30	A	hardware packaged set	zinc plated steel	n/a	n/a	n/a

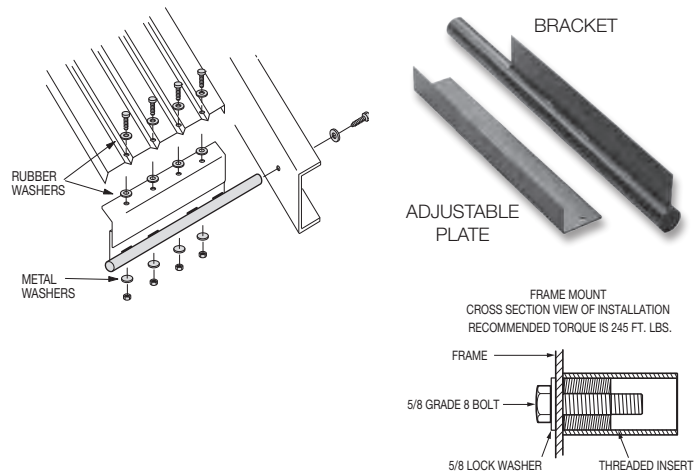
## Post Style Center Mount C

### APPLICATION

- For use with double radius, single radius, and half tandem fenders
- Ideal for frames with limited mounting space

### FEATURES

- **Flush mount design results in more bearing surface**
- Steel construction, black primer finish
- Flat rubber washer positioned between bracket and fender
- Concave rubber washer positioned between bolt and fender
- Use single mounting hole or one of the existing suspension casting holes and bolts for installation



### ORDER DETAILS

- Packaged set includes two mounting brackets, two adjustable plates, end caps\*, fender-to-bracket and bracket-to-chassis frame hardware

### SPECIFICATIONS

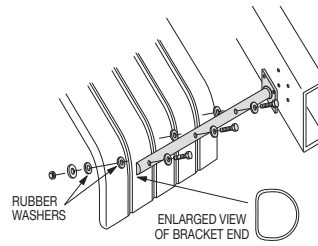
part no.	weight (lbs.)	pop. code	description	construction
031-01257	27.02	A	packaged set	black primed steel
034-01659	9.01	A	one bracket	black primed steel
031-00575	3.96	A	adjustable plate for one complete mount	black primed steel
031-01258	1.08	A	hardware packaged set	zinc plated steel

•NOTE: The tandem mounting support brackets and the various models of tandem fenders are purposely not pre-drilled on top because of the many vehicle variations and side frame clearance problems. Drilling specifically to match the application offers the most flexibility of mounting options without defacing the fenders or weakening the mounts with unnecessary holes.

## Side Style End Mount E

### FEATURES

- Steel construction with RoadKote®, zinc, or chrome finish
- For use with double radius, single radius, half tandem, and full round fenders
- 30.25" length for added strength and durability
- Rubber washer positioned between bracket and fender
- Mounting plate 3.75" x 3.75"



POSITION FLAT SIDE OF MOUNT TOWARD FENDER

### ORDER DETAILS

- Package set includes two mounting brackets, end caps\*, and bracket-to-fender hardware

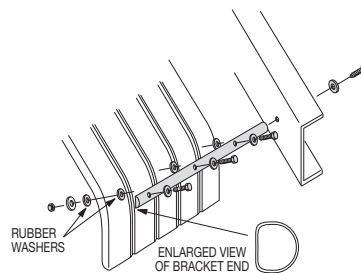
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00542	14.66	A	packaged set	RoadKote® (black E-coat)
034-00867	7.10	A	one bracket	RoadKote® (black E-coat)
031-00846	14.66	A	packaged set	polished chrome
034-01546	7.10	A	one bracket	polished chrome
031-00845	14.66	A	packaged set	zinc plated steel
034-01545	7.10	A	one bracket	zinc plated steel
031-00551	.46	A	hardware packaged set	zinc plated steel

## Post Style End Mount E

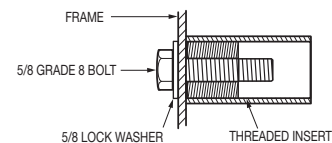
### FEATURES

- Flush mount design results in more bearing surface
- Steel construction with RoadKote® or stainless finish
- 30.25" long for added strength and durability
- Ideal for frames with limited mounting space
- Rubber washer positioned between bracket and fender
- Use single mounting hole or one of the existing suspension casting holes and bolts for installation



POSITION FLAT SIDE OF MOUNT TOWARD FENDER

FRAME MOUNT  
CROSS SECTION VIEW OF INSTALLATION  
RECOMMENDED TORQUE IS 245 FT. LBS.



### ORDER DETAILS

- Packaged set includes two mounting brackets, end caps\*, and fender-to-bracket and bracket-to-chassis frame hardware
- For use with double radius, single radius, half tandem, and full round fenders

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-01253	14.36	A	packaged set	RoadKote® (black E-coat)
034-01662	6.60	A	one bracket	RoadKote® (black E-coat)
031-01255	1.16	A	hardware packaged set	zinc plated steel
031-01254	14.06	A	packaged set	stainless steel
034-01663	6.53	A	one bracket	stainless steel
031-01256	1.10	A	hardware packaged set	stainless steel

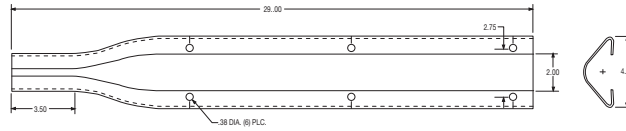
•NOTE: The tandem mounting support brackets and the various models of tandem fenders are purposely not pre-drilled on top because of the many vehicle variations and side frame clearance problems. Drilling specifically to match the application offers the most flexibility of mounting options without defacing the fenders or weakening the mounts with unnecessary holes.

\*See plastic end cap chart on page 51 for additional information

## Triangle End Mount - Stainless Steel Finish **E**

### ORDER DETAILS

- Packaged set consists of two end mount brackets, hanger clamps, fender to bracket stainless steel hardware, zinc clamp hardware and hole template
- Individual bracket does not include hanger clamp or clamp hardware
- Post mount not included, order part number 031-00235



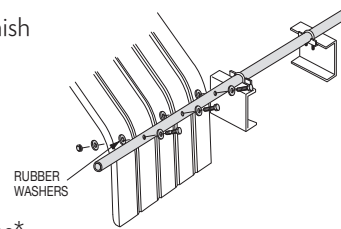
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
031-01630	11.46	A	packaged set	N200SS7, 30-7391S
034-02184	4.44	A	one bracket plus hardware and template-packaged set	
032-00426	.96	A	one stainless steel hanger tube clamp	
031-00203	.62	A	hardware packaged set	

## 95" Long Cross Mount Tube **E**

### FEATURES

- Steel construction with chrome, zinc, or black primer finish
- Rubber washer positioned between bracket and fender
- For use with double radius, single radius, and half tandem fenders



### ORDER DETAILS

- Bulk kit contains one tandem cross mount tube, end caps\*, and fender-to-tube and tube-to-chassis frame hardware

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00782	15.20	A	bulk kit	polished chrome
032-00357	13.70	A	one tandem cross mount tube	polished chrome
031-00784	15.20	A	bulk kit	zinc plated steel
032-00356	13.70	A	one tandem cross mount tube	zinc plated steel
031-00786	15.20	A	bulk kit	black primed steel
032-00355	13.70	A	one tandem cross mount tube	black primed steel
031-00051	1.69	A	hardware packaged set	zinc plated steel

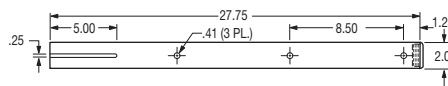
## Stainless Steel End Mount Support Tube **E**

### APPLICATION

- Must be used with post, side mount socket or 50" cross tube

### ORDER DETAILS

- Includes attractive black plastic end cap\*
- Does not include hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
031-00095	2.40	A	one tube with end cap packaged set	N123-SS-7, 1585-6
032-00224	0.48	A	one stainless steel hanger tube clamp	
031-00295	0.62	A	hardware pack. set for clamps with 5/8" bolt/nut	

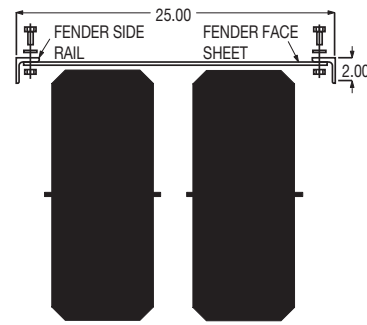
# Heavy-Duty Tandem Fenders

## FEATURES

- **Not a smooth skin fender**
- Heavy-duty side rail construction
- Comes with flap bracket on one end for ease of mounting a mud flap
- Add support plate when using X-FLEX® mounts

## ORDER DETAILS

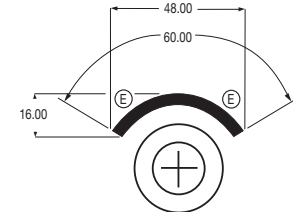
- Mounts not included - for a variety of tandem mount options, refer to page 33
- Part number represents two fenders (bulk kit)



## HEAVY-DUTY FULL ROUND TANDEM FENDERS

### SPECIFICATIONS

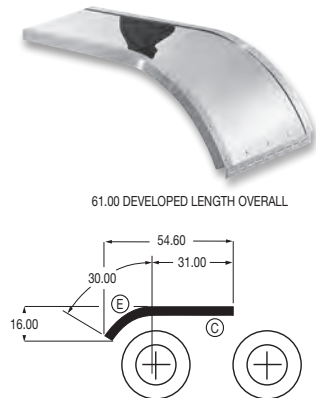
kit part no.	weight (lbs.)	pop. code	construction	angle construction	recommended mounts
034-00461	85.00	B	18 gauge black primed steel	steel	two end (E)
034-00463	75.00	B	18 gauge stainless steel	aluminum	two end (E)
034-00464	75.00	B	14 gauge aluminum	aluminum	two end (E)



## HEAVY-DUTY HALF ROUND TANDEM FENDERS

### SPECIFICATIONS

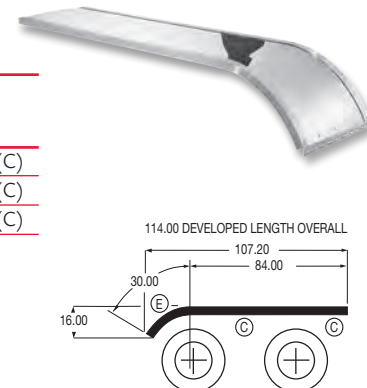
kit part no.	weight (lbs.)	pop. code	construction	angle construction	recommended mounts
034-00455	90.00	B	18 gauge black primed steel	steel	one end (E) and one center (C)
034-00457	75.00	B	18 gauge stainless steel	aluminum	one end (E) and one center (C)
034-00458	44.00	B	14 gauge aluminum	aluminum	one end (E) and one center (C)



## HEAVY-DUTY SINGLE RADIUS TANDEM FENDERS

### SPECIFICATIONS

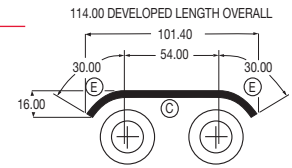
kit part no.	weight (lbs.)	pop. code	construction	angle construction	recommended mounts
034-00449	160.00	B	18 gauge black primed steel	steel	one end (E) and two center (C)
034-00451	135.00	B	18 gauge stainless steel	aluminum	one end (E) and two center (C)
034-00452	85.00	B	14 gauge aluminum	aluminum	one end (E) and two center (C)





## HEAVY-DUTY DOUBLE RADIUS TANDEM FENDERS SPECIFICATIONS

kit part no.	weight (lbs.)	pop. code	construction	angle construction	recommended mounts
034-00443	155.00	B	18 gauge black primed steel	steel	two end (E) and one center (C)
034-00445	130.00	B	18 gauge stainless steel	aluminum	two end (E) and one center (C)
034-00446	90.00	B	14 gauge aluminum	aluminum	two end (E) and one center (C)



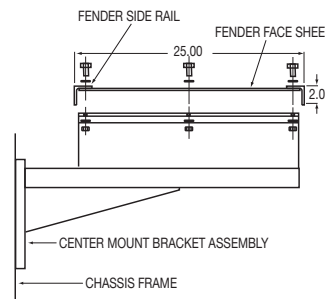
## Heavy-Duty Center Mount (C)

### FEATURES

- For use with double radius, single radius, and half tandem fenders
- 30.25" length for added strength and durability
- Mounting plate 4.50" x 12.00" with holes

### ORDER DETAILS

- Bulk kit includes two center mount brackets, end caps\* and two upper support plates with fender-to-bracket hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00063	45.81	B	bulk kit	black primed steel
033-00089	17.68	B	center mount bracket assembly	black primed steel
031-00043	5.02	B	upper support plate	black primed steel
031-00061	.41	B	hardware packaged set	zinc plated steel

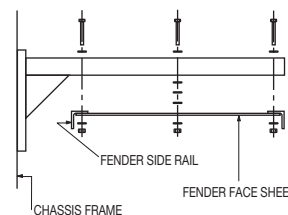
## Heavy-Duty End Mount (E)

### FEATURES

- For use with double radius, single radius, half tandem, and full round fenders
- 30.25" length for added strength and durability
- Mounting plate 4.50" x 12.00" with holes

### ORDER DETAILS

- Bulk kit includes two end mount brackets, end caps\* and fender-to-bracket hardware



### SPECIFICATIONS

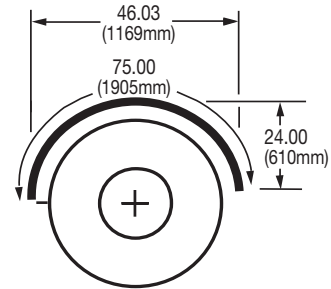
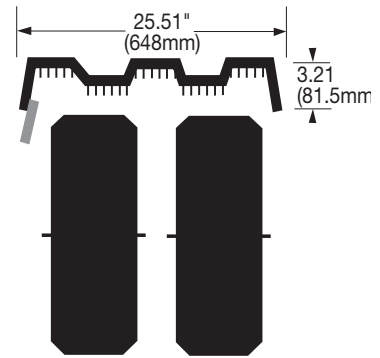
part no.	weight (lbs.)	pop. code	description	construction
031-00064	25.10	B	bulk kit	black primed steel
033-00088	12.16	B	end mount bracket assembly	black primed steel
031-00062	.78	B	hardware packaged set	zinc plated steel

\*See plastic end cap chart on page 126 for additional information

# Spray Mate® Polypropylene Full Round Fenders

## FEATURES

- Lightweight, polypropylene material is tougher than the polyethylene used in other plastic fenders
- Injection molded guarantees controlled uniformity and consistency of thickness resulting in a stronger component, unlike rotational molded where consistent thickness is not controlled.
- Thru color stabilized with UV additive for fade resistance
- Integrally molded ribs for added strength and spray reduction
- Unaffected by heat and cold—range of -40°F to 130°F (-40°C to 55°C)
- Connector kit, curved brush kit, and flap reinforcing straps sold separately
- Individual fender includes fender only
- Decorative stainless steel strips attached to the grooves in the fender enhance appearance. See page 47 for information.



## PLEASE NOTE:

- Flap weights are not recommended and may void the warranty.
- Painting Spray Mate® fenders IS NOT recommended and may void the warranty. If painting is desired, a Flex Agent MUST be added to the paint!

## SPRAY MATE® FEATURES

- Support straps on the underside of the fender bolt each hanger in four places which locks the supports in place resulting in an excellent connection by “sandwiching” the fender between the two components

## ORDER DETAILS

- Bulk kit includes two fenders, support kits, and necessary support-to-fender and support-to-bracket stainless steel mounting hardware
- Mounting hardware includes stainless steel nuts, bolts, washers, and allen head set screws
- Support packaged sets not assembled to fenders
- Single fenders do not include support packaged sets
- Requires two end mount packaged sets per pair of fenders



## SPECIFICATIONS

bulk kit part # (2 fenders)	part no. (1 fender)*	weight (lbs.)	pop. code	color	description	required mounts
031-01520	034-01520	35.00	A	black	full round bulk kit	two end mount sets
031-01521	034-01521	35.00	A	silver/gray	full round bulk kit	two end mount sets
031-01522	034-01522	35.00	A	medium blue	full round bulk kit	two end mount sets
031-01523	034-01523	35.00	A	yellow	full round bulk kit	two end mount sets
031-01524	034-01524	35.00	A	white	full round bulk kit	two end mount sets
031-01525	034-01525	35.00	A	orange	full round bulk kit	two end mount sets
031-01526	034-01526	35.00	A	brown	full round bulk kit	two end mount sets
031-01527	034-01527	35.00	A	green	full round bulk kit	two end mount sets
031-01528	034-01528	35.00	A	navy blue	full round bulk kit	two end mount sets
031-01529	034-01529	35.00	A	red	full round bulk kit	two end mount sets

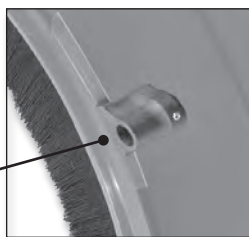
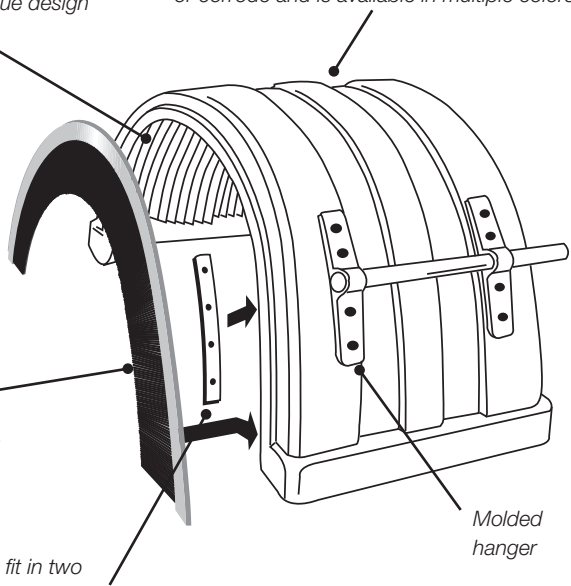
Integrally molded ribs and side valances increase the strength of the fender. This unique design channels water down to the road to minimize spray and maximize safety to motorists.

Rib pattern is stronger than smooth skin plastic design fenders. Lightweight, high density polypropylene material will never rust or corrode and is available in multiple colors.

Optional curved brush significantly reduces spray to improve both driver and motorist visibility yet allows air to flow through the flexible filament skirting.

Support straps fit in two of the channels on the underside of the fender, bolting each molded nylon hanger in four places. This locks the support kit in place, "sandwiching" the fender between the two components resulting in an excellent connection.

Spray Mate® with SlideTrax® allows for up to 7" of adjustment



## Tire Sizes Compatible with Spray Mate® and Spray Mate® with Slidetrax Fenders

Minimum tire diameter is 35.2" (894mm)  
Maximum tire diameter is 41.78" (1061mm)

### North American truck dual tire sizes

- 245 /70R19.5\*
- 12R22.5
- 265 /70R19.5\*
- 235 /80R22.5
- 285 /70R19.5\*
- 255 /80R22.5
- 9.00R20
- 255 /70R22.5
- 10.00R20
- 275 /70R22.5
- 11.00R20
- 275 /80R22.5
- 9R22.5
- 275 /80R24.5
- 10R22.5
- 11R24.5
- 11R22.5

\* Recommended use with spray suppression brush or skirting

### European truck dual tyre sizes

- 9.5R17.5\*
- 10.00R20
- 10R17.5\*
- 8R22.5
- 235 /75R17.5\*
- 9R22.5
- 245 /75R17.5\*
- 10R22.5
- 245 /75R19.5\*
- 10 /70R22.5
- 265 /75R19.5\*
- 255 /70R22.5
- 6.50R20\*
- 11R22.5
- 9.00R19.5
- 11 /70R22.5
- 9.50R19.5
- 275 /70R22.5
- 7.00R20
- 275 /80R22.5
- 7.50R20
- 285 /70R22.5
- 8.25R20
- 295 /70R22.5

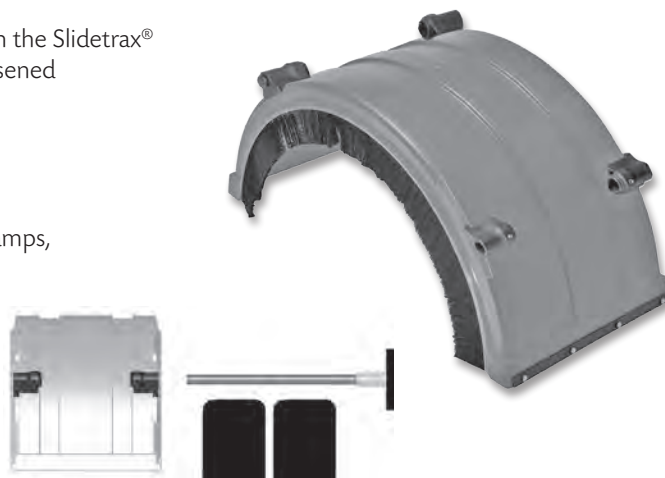
\* MUST use with spray suppression brush or skirting

## SPRAY MATE® WITH SLIDETRAX® FEATURES

- Easy to install, easy to adjust
- The teeth on the Slidetrax® Clamp "bite" into the teeth on the Slidetrax® of the fender to acquire a tight grip but are also easily loosened to provide up to 7" of adjustment
- Eliminates the need to drill holes in the fender to mount

## ORDER DETAILS

- Spray Mate® bulk kits include two fenders, 8 Slidetrax® clamps, 4 reflectors, 8 stainless steel threaded T-nuts, and 8 stainless steel setscrews
- Single fenders do not include Slidetrax® clamps and hardware
- Requires two end mount packaged sets per pair of fenders



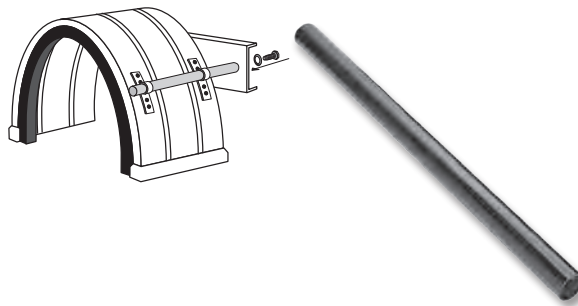
## SPECIFICATIONS

bulk kit part # (2 fenders)	part no. (1 fender)*	weight (lbs.)	pop. code	color	description	required mounts
031-01700	034-02464	25.30	A	black	full round bulk kit	two end mount sets
031-01701	034-02465	25.30	A	silver/gray	full round bulk kit	two end mount sets
031-01702	034-02466	25.30	A	white	full round bulk kit	two end mount sets
031-01703	034-02467	25.30	A	red	full round bulk kit	two end mount sets

## Post Style Round End Mount for Spray Mate® Fenders

### FEATURES

- Flush mount design results in more bearing surface
- Steel construction, RoadKote® or stainless steel finish
- 30.25" long for added strength and durability

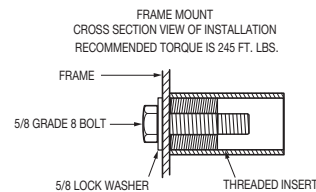


### ORDER DETAILS

- Packaged set includes two end mount brackets, end caps\*, and bracket-to-chassis hardware
- Requires two end mount packaged sets per pair of fenders
- Compatible with both Spray Mate® styles

### SPECIFICATIONS

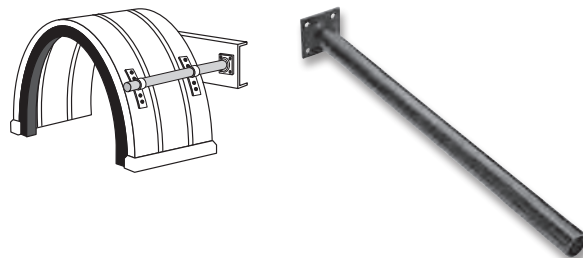
part no.	weight (lbs.)	pop. code	description	construction
031-01250	12.98	A	complete with two brackets	RoadKote® (black E-coat)
031-01251	12.98	A	complete with two brackets	stainless steel
034-01660	6.38	A	one bracket	RoadKote® (black E-coat)
034-01661	6.38	A	one bracket	stainless steel
031-01252	.23	A	hardware packaged set	zinc plated steel



## Side Style Round End Mount for Spray Mate® Fenders

### FEATURES

- Steel construction, RoadKote® finish
- 30.25" long for added strength and durability
- Mounting plate is 3.75" x 3.75"



### ORDER DETAILS

- Packaged set includes two end mount brackets and end caps\*
- Bracket-to-chassis hardware not included
- Requires two end mount packaged sets per pair of fenders
- Compatible with both Spray Mate® styles

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00870	13.98	A	packaged set w/ two brackets	RoadKote® (black E-coat)
032-00253	7.10	A	one bracket	RoadKote® (black E-coat)

\*See plastic end cap chart on page 51 for additional information

## Offset Mount for Spray Mate® Fenders

### APPLICATION

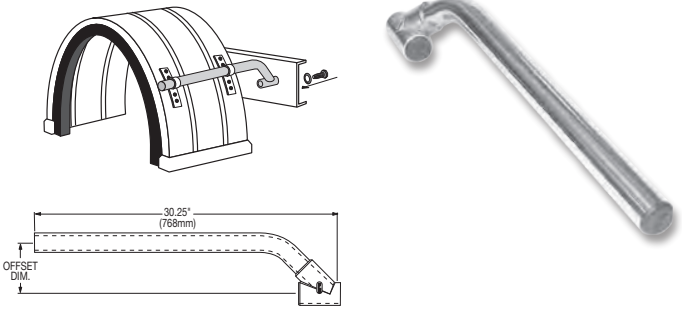
- Positions fender where needed when dealing with limited mounting space

### FEATURES

- Steel construction, RoadKote® or stainless steel finish
- 5.00" offset between centers of tubes
- 30.00" length

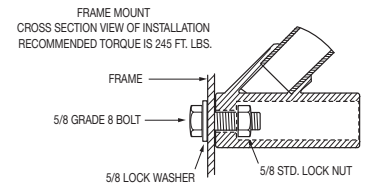
### ORDER DETAILS

- Packaged sets include two mounting brackets, end caps\* and bracket-to-chassis hardware
- Requires two end mount packaged sets per pair of fenders
- **Not compatible with Spray Mate® Slidetrax®. Only use with standard Spray Mate® fenders.**



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00883	15.80	A	packaged set	RoadKote® (black E-coat)
034-01600	7.40	A	one bracket	RoadKote® (black E-coat)
031-00886	16.80	A	packaged set	stainless steel
034-01602	7.90	A	one bracket	stainless steel
031-01201	.27	A	hardware kit	zinc plated steel



## PivotBar® for Spray Mate® Fenders



### APPLICATION

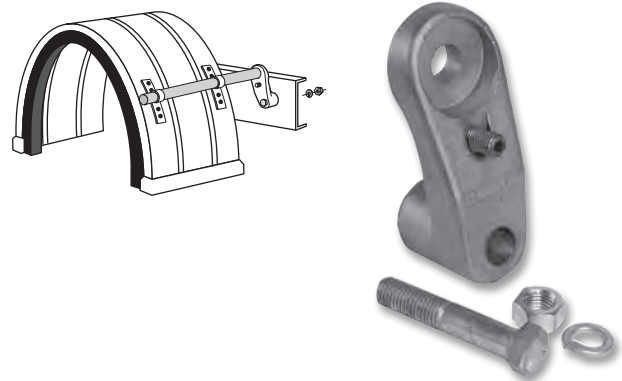
- Greatly assists in properly mounting Spray Mates® where needed

### FEATURES

- Stout casting with E-coat finish
- Provides an offset of 4.00" and rotates 360°

### ORDER DETAILS

- Packaged set includes two stainless steel end mount tubes, two Pivot Bar adapters, two jamming screws, bracket to adapter hardware, adapter to chassis hardware and two end caps\*
- Requires two end mount packaged sets per pair of fenders
- Compatible with both Spray Mate® styles



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tube construction	adapter construction
031-00929	18.77	A	stainless steel	E-coat castings

U.S. Patent #6,471,228  
CAN. Patent #2,328,682

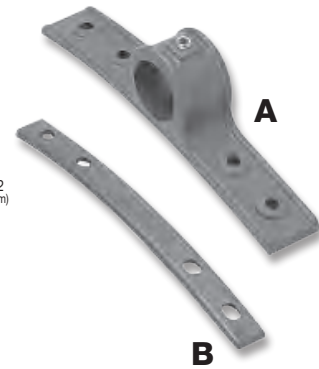
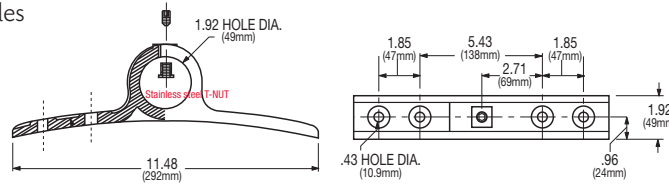
\*See plastic end cap chart on page 51 for additional information



## Replacement Support for Spray Mate® Fenders

### ORDER DETAILS

- Packaged set includes four molded nylon hanger brackets (A), four support straps (B) and stainless steel mounting hardware
- Mounting hardware includes stainless steel nuts, bolts, washers, and hex-socket set screws



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	hardware
031-00823	3.60	A	packaged set	black molded nylon	stainless steel

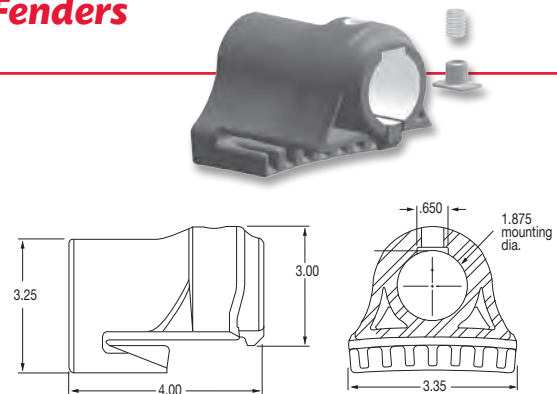
## Replacement Slidetrax® for Spray Mate® Fenders

### FEATURES

- Secures to the Slidetrax® on the Spray Mate® fender
- Stainless steel setscrew and T-nut grips fender and won't strip out when tightened
- Molded from a highly durable 15% glass-filled 6-6 nylon

### ORDER DETAILS

- Includes four Slidetrax® clamps and stainless steel hardware consisting of four t-nuts and four setscrews
- Not compatible with Spray Master® fenders



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
031-00858	2.61	A

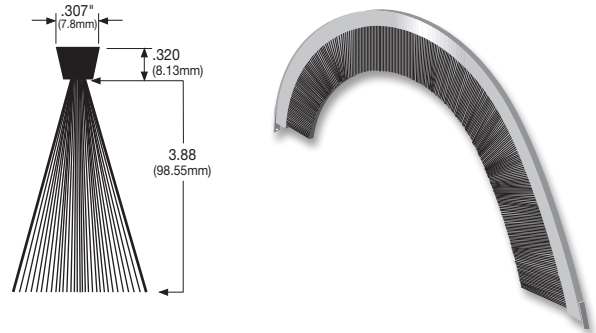
## Optional Curved Brush for Spray Mate® Fenders

### FEATURES

- Significant spray reduction improves both driver and motorist visibility
- Air flows through flexible filament skirting,
- Reduces spray to keep vehicles cleaner
- Improved tab design on both ends makes installation much easier

### ORDER DETAILS

- Bulk kit includes two curved brushes and zinc self-taping screws with special protective coating
- Compatible with both Spray Mate® styles



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	hardware
031-01536	3.60	A	black molded nylon with stainless steel retainer	stainless steel

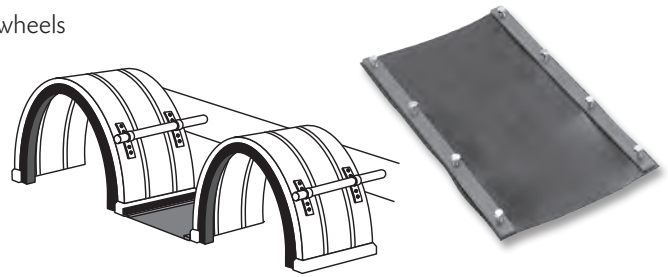
## Optional Connector for Spray Mate® Fenders

### FEATURES

- Connects two consecutive Spray Mate® fenders for tandem wheels

### ORDER DETAILS

- Packaged set includes rubber connector (13.25" x 23.75"), two support straps, and mounting hardware
- Mounting hardware includes stainless steel nuts, bolts and washers
- Compatible with both Spray Mate® styles



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	hardware
<b>031-00828</b>	3.10	A	black molded nylon	stainless steel

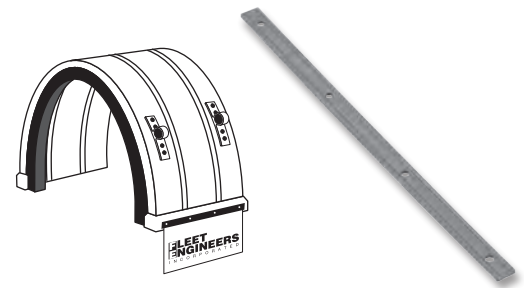
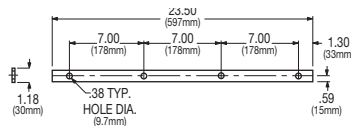
## Optional Flap Reinforcing Strap for Spray Mate® Fenders

### FEATURES

- Four hole pattern matches TTMA specifications
- Can be used to attach mud flap to fender
- Prevents tear out of mud flap holes

### ORDER DETAILS

- Part number represents one strap
- Compatible with both Spray Mate® styles



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction
<b>033-04139</b>	.23	A	black molded nylon

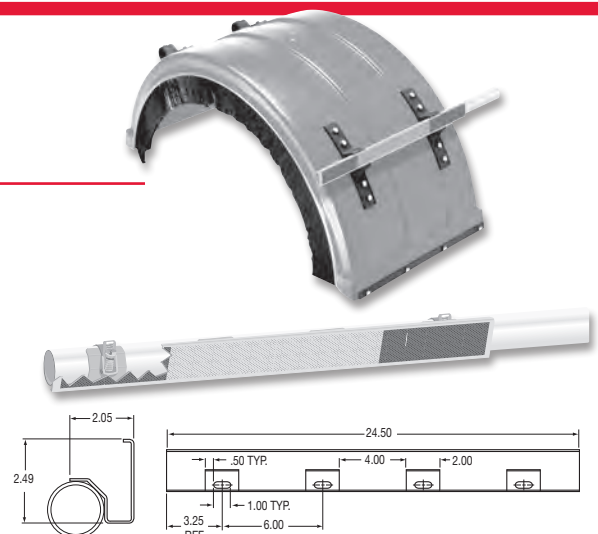
## Conspicuity End Mount Plate for Spray Mate® Fenders

### FEATURES

- DOT-C2 reflective tape adhered to plate meets requirements of the conspicuity law
- Easily installed on most metal or plastic tandem fenders
- Universal - use roadside or curbside

### ORDER DETAILS

- Package set includes two plates and hardware
- Hardware packaged set includes two stainless steel unique swivel action clamps that fit both round and flat mounts



### SPECIFICATIONS

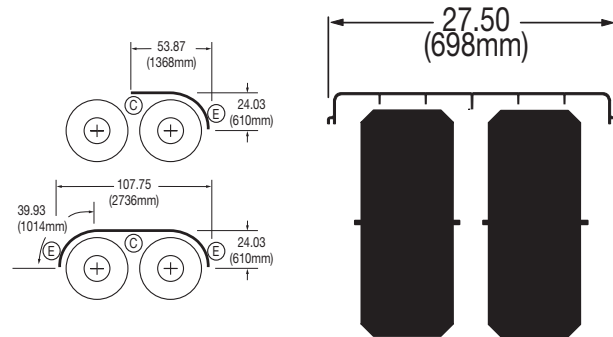
part no.	weight (lbs.)	pop. code	description	construction
<b>031-01583</b>	1.75	A	complete packaged set	aluminum plate w/ reflective tape
<b>033-04269</b>	0.62	A	one bracket	aluminum plate w/ reflective tape
<b>031-01585</b>	0.13	A	hardware packaged set	stainless steel

Patent #6,431,605

# Spray Master® Polypropylene Half Tandem and Double Radius Fenders

## FEATURES

- Lightweight, polypropylene material is tougher than the polyethylene used in other plastic fenders and superior to vacuum formed fenders
- Injection molded guarantees controlled uniformity and consistency of thickness resulting in a stronger component, unlike rotational molded where consistent thickness is not controlled.
- Four thru colors available - all stabilized with UV additive for fade resistance
- Integrally molded ribs on the underside for added strength and spray reduction
- Unaffected by heat and cold—range of -30°F to 150°F (-30°C to 66°C)



## PLEASE NOTE:

- Flap weights are not recommended and may void the warranty.
- Painting Spray Master® fenders IS NOT recommended and may void the warranty. If painting is desired, a Flex Agent MUST be added to the paint!

Patent #7384071  
Other Patents Pending

Lightweight TEO material is durable, flexible and will never rust or corrode.

Master Mount with 35mm (1-3/8") diameter tube.

Center mount connector clamps hold the center mount securely in place and also turn a half tandem into a double radius!

Center Master Multi-Mount for additional adjustability.

5" or 9" Offset Center Mount

Reflectors for added safety.

Hidden End Mount Clamp for SlideTrax

SlideTrax offer 12" of adjustability

Molded hanger bolts to the underside support strap

Easily turn a half tandem into a double radius using the center mount connector clamps!

## SPRAY MASTER® HALF TANDEM AND DOUBLE RADIUS FENDERS

### FEATURES

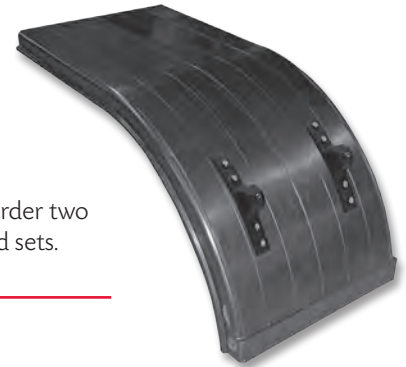
- Support straps on the underside of the fender bolt each hanger in four places which locks the supports in place resulting in an excellent connection by “sandwiching” the fender between the two components

### ORDER DETAILS

- Spray Master® bulk kits include two fenders with reflectors already attached and Spray Mate® support packaged set (031-00823)
- Mounting hardware includes stainless steel nuts, bolts, washers, and allen head set screws
- Support packaged sets not assembled to fenders
- Single fenders do not include support packaged sets
- To assemble a Double Radius Fender, order two Half Tandem Fender bulk kits
- For each Half Tandem Fender bulk kit order a Spray Mate® end mount packaged set and one Spray Master® center mount packaged sets. For each Double Radius Fender order two Spray Mate® end mount packaged sets and one Spray Master® center mount packaged sets.

### SPECIFICATIONS

bulk kit part # (2 fenders)	part no. (1-fender)	weight (lbs.) (kg.)	pop. code	description
031-01646/A	034-02198/A	31.60 13.64	A	black half tandem bulk kit (pair)
031-01647/A	034-02198/A	31.60 13.64	A	red half tandem bulk kit (pair)
031-01648/A	034-02198/A	31.60 13.64	A	white half tandem bulk kit (pair)
031-01649/A	034-02198/A	31.60 13.64	A	gray half tandem bulk kit (pair)



## SPRAY MASTER® HALF TANDEM AND DOUBLE RADIUS FENDERS WITH SLIDETRAX®

### FEATURES

- Easy to install, easy to adjust
- The teeth on the hidden end mount clamp “bite” into the teeth on the fender to acquire a tight grip but are also easily loosened to provide up to 12” of adjustment
- The Hidden Mount clamp is made of a highly durable high density polyethylene with two stainless steel threaded T-nut inserts which won’t strip out when tightened
- Eliminates the need to drill holes in the fender to mount

### ORDER DETAILS

- Spray Master® bulk kits include two fenders, one curbside and one roadside, with reflectors already attached
- Single fenders do not include Slidetrax® clamps and hardware
- To assemble a Double Radius Fender, order two Half Tandem Fender bulk kits
- For each Half Tandem Fender bulk kit with Slidetrax®, order one end mount packaged set and one center mount packaged sets. For each Double Radius Fender with Slidetrax® order two end mount packaged sets and one center mount packaged set

### SPECIFICATIONS

bulk kit part # (2 fenders)	part no. (1-roadside)	part no. (1-curbside)	weight (lbs.) (kg.)	pop. code	description
031-01639	034-02190	034-02194	30.00 13.64	A	black half tandem bulk kit (pair)
031-01640	034-02191	034-02195	30.00 13.64	A	red half tandem bulk kit (pair)
031-01641	034-02192	034-02196	30.00 13.64	A	white half tandem bulk kit (pair)
031-01642	034-02193	034-02197	30.00 13.64	A	gray half tandem bulk kit (pair)



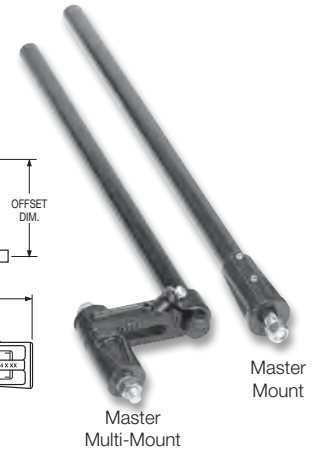
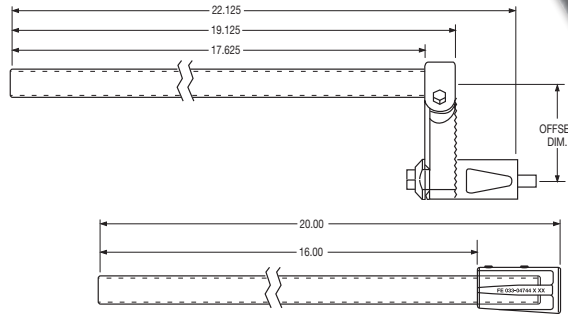
# End Mounts for Spray Master® Half Tandem/Double Radius Fenders

## APPLICATION

- For use with Spray Master® Half Tandem and Double Radius Fenders **with** SlideTrax®

## FEATURES

- Master Mount and Master Multi-Mounts both use heavy-duty castings and come with a 35mm (1-3/8") tube diameter
- The Master Multi-Mount increases offset adjustability an extra 2" to 5" from the centerline of the tube to the centerline of the chassis mounting bolt in quarter inch increments



## ORDER DETAILS

- Each End Mount packaged set consists of either 2 Master Mount castings with end caps, 2 black E-coat tubes, and all chassis to mount hardware
- For each Half Tandem Fender bulk kit, order one end mount packaged set and one center mount packaged sets.
- For each Double Radius Fender order two end mount packaged sets and one center mount packaged set

## SPECIFICATIONS

part no.	weight (lbs.) (kg.)		pop. code	end mount type
031-01660	11.50	5.25	A	Master Mount packaged set
031-01661	19.50	8.52	A	Master Multi-Mount packaged set - 2.00"-5.00" adjustable offset

# Post Style Round End Mount for Spray Master® Half Tandem/Double Radius Fenders

## APPLICATION

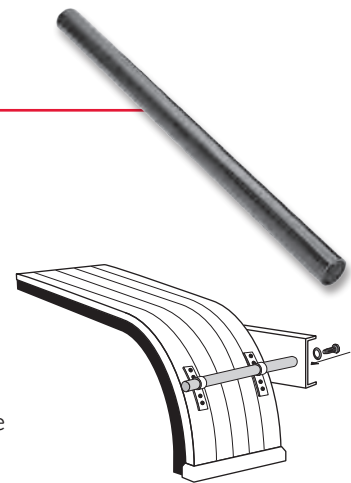
- For use with Spray Master® Half Tandem and Double Radius Fenders **without** SlideTrax®

## FEATURES

- Flush mount design results in more bearing surface
- Steel construction with RoadKote® or stainless steel finish
- 30.25" long for added strength and durability

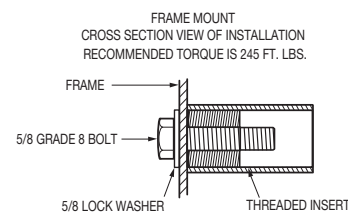
## ORDER DETAILS

- Packaged set includes two end mount brackets, end caps\*, and bracket-to-chassis hardware
- Requires two end mount packaged sets per pair of fenders



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-01250	12.98	A	complete with two brackets	RoadKote® (black E-coat)
031-01251	12.98	A	complete with two brackets	stainless steel
034-01660	6.38	A	one bracket	RoadKote® (black E-coat)
034-01661	6.38	A	one bracket	stainless steel
031-01252	.23	A	hardware packaged set	zinc plated steel



SPRAY CONTROL  
SPRAY MASTER® HALF TANDEM / DOUBLE RADIUS FENDERS



## Side Style Round End Mount for Spray Master® Half Tandem/Double Radius Fenders

### APPLICATION

- For use with Spray Master® Half Tandem and Double Radius Fenders **without** SlideTrax®

### FEATURES

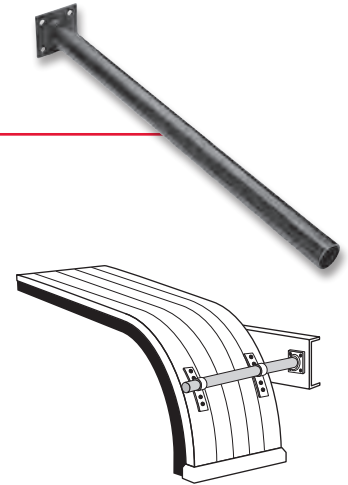
- Steel construction with RoadKote® finish
- 30.25" long for added strength and durability
- Mounting plate is 3.75" x 3.75"

### ORDER DETAILS

- Packaged set includes two end mount brackets and end caps\*
- Bracket-to-chassis hardware not included

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>031-00870</b>	13.98	A	packaged set w/ two brackets	RoadKote® (black E-coat)
<b>032-00253</b>	7.10	A	one bracket	RoadKote® (black E-coat)



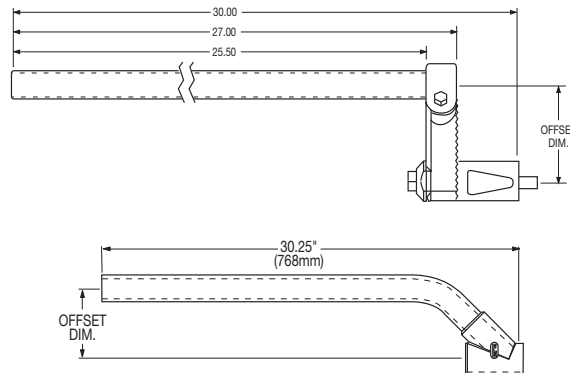
## Center Mounts for Spray Master® Half Tandem/Double Radius Fenders

### APPLICATION

- For use with **both** Spray Master® Half Tandem/Double Radius fender styles

### FEATURES

- The Master Multi-Mount increases offset adjustability an extra 2" to 5" from the centerline of the tube to the centerline of the chassis mounting bolt in quarter inch increments



### ORDER DETAILS

- Each Center Mount packaged set consists of either 2 black E-coat offset tubes (5" or 9") or 2 Master Multi-Mount castings with straight black E-coat tubes, 4 center mount connector clamps with hardware, end caps and all chassis to mount hardware
- For each Half Tandem Fender bulk kit, order one end mount packaged set and one center mount packaged sets. For each Double Radius Fender order two end mount packaged sets and one center mount packaged set



### SPECIFICATIONS

part no.	weight (lbs.) (kg.)	pop. code	center mount type	offset dim.
<b>031-01662</b>	22.00 10.00	A	Master Multi-Mount packaged set - (1.375"/35mm tube)	2.00"-5.00" adjustable
<b>031-01663</b>	16.20 7.36	A	9.00" fixed offset packaged set (1.375"/35mm tube)	9.00" fixed
<b>031-01664</b>	18.10 8.23	A	5.00" fixed offset packaged set (1.875"/47mm tube)	5.00" fixed

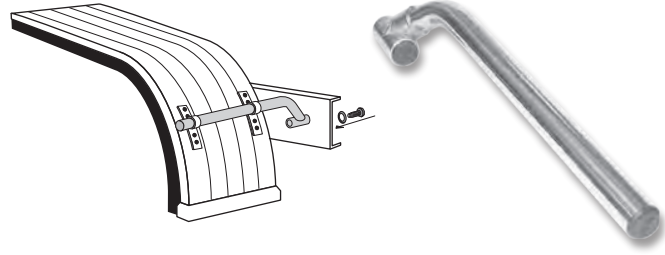
\*See plastic end cap chart on page 126 for additional information



## Offset Mount for Spray Master® Half Tandem/Double Radius Fenders

### APPLICATION

- For use with Spray Master® Half Tandem and Double Radius Fenders **without** SlideTrax®
- Positions fender where needed when dealing with limited mounting space

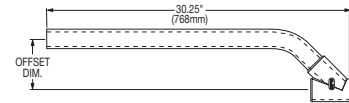


### FEATURES

- Steel construction, RoadKote® or stainless steel finish
- 30.00" length
- 5.00" offset between centers of tubes

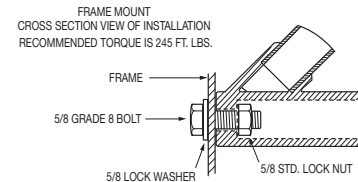
### ORDER DETAILS

- Packaged sets include two mounting brackets, end caps\* and bracket-to-chassis hardware
- Requires two end mount packaged sets per pair of fenders



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
031-00883	15.80	A	packaged set	RoadKote® (black E-coat)
034-01600	7.40	A	one bracket	RoadKote® (black E-coat)
031-00886	16.80	A	packaged set	stainless steel
034-01602	7.90	A	one bracket	stainless steel
031-01201	.27	A	hardware kit	zinc plated steel

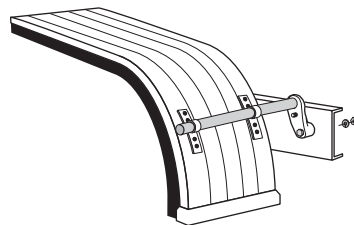


## PivotBar® for Spray Master® Half Tandem/Double Radius Fenders



### APPLICATION

- For use with Spray Master® Half Tandem and Double Radius Fenders **without** SlideTrax®
- Greatly assists in properly mounting Spray Mates® where needed



### FEATURES

- Stout casting with E-coat finish
- Provides an offset of 4.00" and rotates 360°

### ORDER DETAILS

- Packaged set includes two stainless steel end mount tubes, two Pivot Bar adapters, two jamming screws, bracket to adapter hardware, adapter to chassis hardware and two end caps\*



U.S. Patent #6,471,228  
CAN. Patent #2,328,682

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tube construction	adapter construction
031-00929	18.77	A	stainless steel	E-coat castings

\*See plastic end cap chart on page 126 for additional information

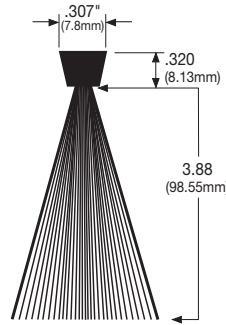
## Side Skirting Brush for Spray Master® Half Tandem/Double Radius Fenders

### FEATURES

- Skirting is effective in reducing side spray
- Easy to install
- Keeps mirrors and trucks cleaner, improving driver and motorist visibility
- Air flows freely through flexible filament skirting preventing heat build-up on brakes and tires

### ORDER DETAILS

- Packaged set includes enough brush for one pair of Spray Master® Half Tandem Fenders (cut in half to apply) and stainless steel hardware
- Order one packaged set for Half Tandem (cut in half before installing)
- Order two packaged set for Double Radius



### SPECIFICATIONS

part no.	weight		pop. code
	(lbs.)	(kg.)	
997-70170	2.40	1.09	A

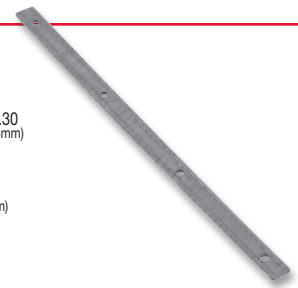
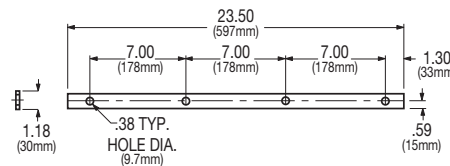
## Optional Flap Reinforcing Strap for Spray Master® Half Tandem/Double Radius Fenders

### FEATURES

- Four hole pattern matches TTMA specifications
- Can be used to attach mud flap to fender
- Prevents tear out of mud flap holes

### ORDER DETAILS

- Part number represents one strap



### SPECIFICATIONS

part no.	weight		pop. code	construction
	(lbs.)	(kg.)		
033-04139	.23	.07	A	black molded nylon

\*See plastic end cap chart on page 126 for additional information

# Spray Master® Polypropylene Full Round Fenders for 19.5" or Smaller Wheel Applications

## FEATURES

- Easy to install, easy to adjust
- The teeth on the Slidetrax® Clamp "bite" into the teeth on the Slidetrax® of the fender to acquire a tight grip but are also easily loosened to provide up to 7" of adjustment
- Eliminates the need to drill holes in the fender to mount
- Lightweight polypropylene material is tougher than the polyethylene used in other plastic fenders and superior to vacuum formed fenders
- Injection molded guarantees controlled uniformity and consistency of thickness resulting in a stronger component, unlike rotational molded where consistent thickness is not controlled.
- Four thru colors available - all stabilized with UV additive for fade resistance
- Integrally molded ribs for added strength and spray reduction
- Unaffected by heat and cold—range of -40°F to 150°F (-40°C to 66°C)



SPRAY CONTROL

SPRAY MASTER® FULL ROUND FENDERS

### Tire Sizes Compatible with Spray Master® Fenders

Minimum tire diameter is 28" (711mm)  
Maximum tire diameter is 32.6" (828mm)

#### North American truck dual tire sizes

- |                |                |
|----------------|----------------|
| • 7.50R15      | • 9.50R16.5    |
| • 8.25R15      | • 8.5R17.5     |
| • 7.50R16      | • 10R17.5      |
| • LT215/85R16  | • 215/75R17.5  |
| • LT225/75R16  | • 8R19.5       |
| • LT235/85R16* | • 225/70R19.5  |
| • LT245/75R16* | • 245/70R19.5* |

\* Not recommended use with spray suppression brush or skirting

#### European truck dual tyre sizes

- |             |               |
|-------------|---------------|
| • 6.70R15   | • 215/75R16   |
| • 205/70R15 | • 225/75R16   |
| • 205/80R15 | • 6.00R16     |
| • 7.00R15   | • 6.50R16     |
| • 7.50R15   | • 7.00R16     |
| • 8.25R15   | • 7.50R16     |
| • 19R400    | • 7R17.5      |
| • 195R16    | • 8R17.5      |
| • 195/75R16 | • 8.5R17.5    |
| • 205R16    | • 205/75R17.5 |
| • 205/75R16 | • 215/75R17.5 |
| • 215R16    | • 225/75R17.5 |

Tube is 35mm tube (1-3/8" diameter).

Choose from two mounting systems in either a RoadKote® or stainless steel finish:

Master Multi-Mount for additional adjustability.

Master Mount

To improve driver and motorist visibility, the optional curved brush significantly reduces spray yet allows air to flow through the flexible filament skirting.

The Slidetrax® Clamps BITE into the Slidetrax® on the fender to secure it in place - yet are easily removable for adjustment.

Reflectors for added safety.

The rib pattern makes the Spray Master® stronger than smooth skin plastic design fenders. Lightweight, high density polypropylene material will never rust or corrode and is available in 4 attractive colors: black, silver/gray, white or red.

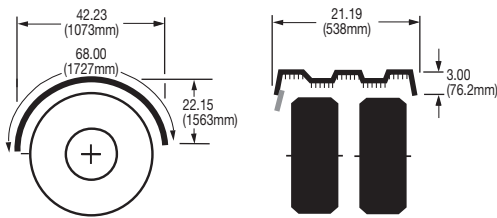
## SPRAY MASTER® FULL ROUND FENDERS

### ORDER DETAILS

- Requires two end mount packaged sets per pair of fenders
- Does not include Slidetrax® clamps and hardware
- Spray Master® bulk kits include two fenders, 8 Slidetrax clamps, 4 reflectors, 8 stainless steel threaded T-nuts, and 8 stainless steel setscrews

### PLEASE NOTE:

- Flap weights are not recommended and may void the warranty.
- Painting Spray Master® fenders **IS NOT** recommended and may void the warranty. If painting is desired, a Flex Agent **MUST** be added to the paint!



U.S. Patent #7384071  
CAN. Patent # 2,496,482  
AUS. # 2005200596  
N. Z. Patent # 566803

### SPECIFICATIONS

bulk kit part # (2 fenders)	part no. (1 fender)*	weight (lbs.)	pop. code	color	description	required mounts
031-01539	034-02130	25.30	A	black	full round bulk kit	two end mount sets
031-01540	034-02131	25.30	A	silver/gray	full round bulk kit	two end mount sets
031-01541	034-02132	25.30	A	white	full round bulk kit	two end mount sets
031-01548	034-02139	25.30	A	red	full round bulk kit	two end mount sets

## Decorative Strips for Spray Mate® and Spray Master® Full Round Fenders

### FEATURES

- Easy to install on fender
- 430 polished stainless steel, .030" thickness

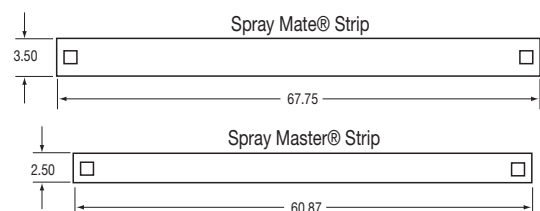
### ORDER DETAILS

- Packaged set includes four strips and stainless steel hardware (carriage bolts, nuts and washer)
- Each packaged set is enough to do a pair of fenders



### SPECIFICATIONS

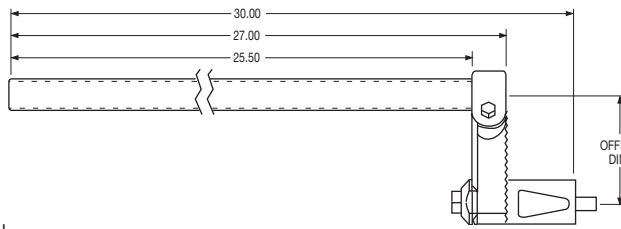
part no.	weight (lbs.)	pop. code	description
031-01653	5.40	A	Spray Master full round
031-01655	8.32	A	Spray Mate full round



## Master Multi-Mount for Spray Master® Full Round Fenders

### FEATURES

- Increases offset adjustability an extra 2" to 5" from the centerline of the tube to the centerline of the chassis mounting bolt in quarter inch increments
- Heavy-duty casting with 35mm (1-3/8") tube
- Uses a bolt to attach to the chassis - not a stud



### ORDER DETAILS

- Packaged set includes 2 Master Multi-Mount castings (6 pieces), 2 tubes, 4 end caps\* and chassis to mount hardware including anti-vibration "Nordlock" washers
- Two Master Multi-Mount packaged sets are needed for each Spray Master bulk kit

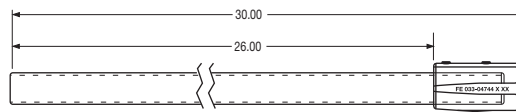
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish
031-01284	19.50	A	RoadKote® (black E-coat)
031-01285	19.50	A	stainless steel

## Master Mount for Spray Master® Full Round Fenders

### FEATURES

- Heavy-duty casting with 35mm (1-3/8") tube
- Uses a bolt to attach to the chassis - not a stud



### ORDER DETAILS

- Packaged set includes 2 Master Mount castings, 2 tubes, 2 end caps\*, and chassis to mount hardware including anti-vibration "Nordlock" washers
- Two Master Mount packaged sets are needed for each Spray Master® bulk kit

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish
031-01282	12.90	A	RoadKote® (black E-coat)
031-01283	12.90	A	stainless steel

\*See plastic end cap chart on page 126 for additional information



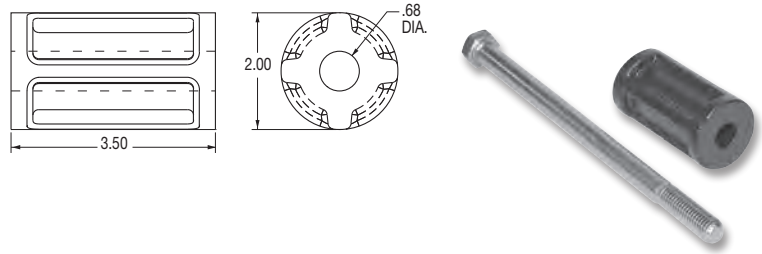
## Master Multi-Mount Extension for Spray Master® Full Round Fenders

### FEATURES

- Assists installation where suspension and hangers cause a clearance problem

### ORDER DETAILS

- Must be used with 031-01284 or 031-01285
- Packaged set includes 2 extension castings and two (2) 5/8"-11 x10.0" grade 8 bolts



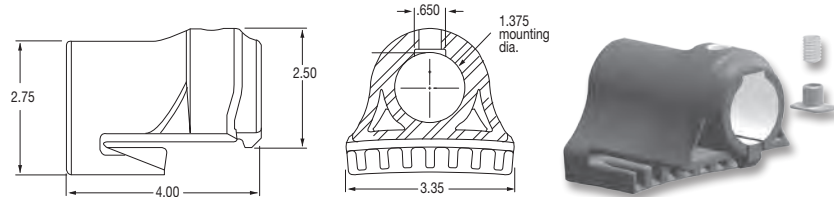
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	casting
031-01299	5.90	A	RoadKote® (black E-coat)

## Replacement Slidetrax® for Spray Master® Full Round Fenders

### FEATURES

- Secures the Slidetrax® to the Spray Master® fender
- Stainless steel setscrew and T-nut grips the fender and won't strip out when tightened
- Molded from a highly durable 15% glass-filled 6-6 nylon



### ORDER DETAILS

- Includes four Slidetrax® clamps and stainless steel hardware consisting of four t-nuts and four setscrews

CAN. Patent #2,496,482;  
AUS. Patent # 2005200596;  
N.Z. Patent # 566803

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
031-01293	2.61	A

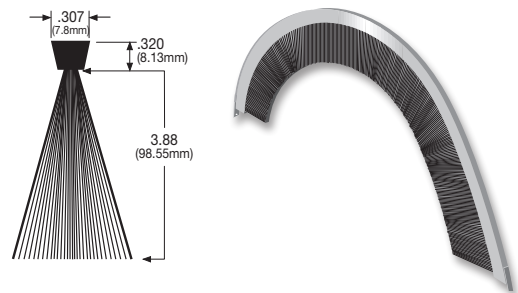
## Optional Curved Brush for Spray Master® Full Round Fenders

### FEATURES

- Significant spray reduction improves both driver and motorist visibility
- Air flows through flexible filament skirting,
- Reduces spray to keep vehicles cleaner
- Improved tab design on both ends make installation much easier

### ORDER DETAILS

- Packaged set includes two curved brushes and zinc self-taping screws with special protective coating



### SPECIFICATIONS

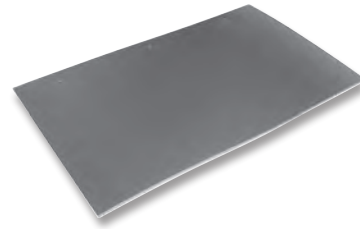
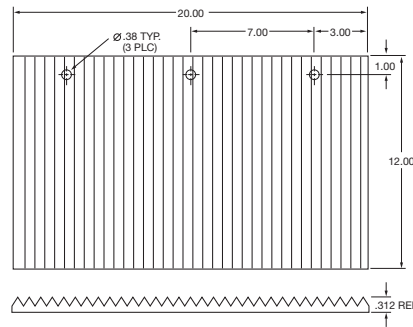
part no.	weight (lbs.)	pop. code	construction	hardware
031-01537	3.50	A	black molded nylon with stainless steel retainer	stainless steel



## Mud Flap for Spray Master® Full Round Fenders

### FEATURES

- 20"x12" black anti-spray flap



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
033-02254	1.80	A

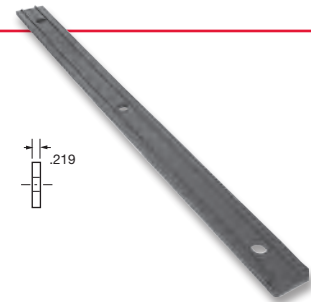
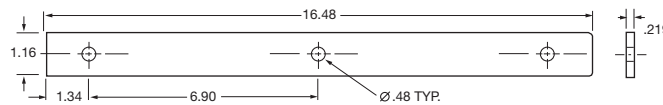
## Optional Mud Flap Reinforcing Strap for Spray Master® Full Round Fenders

### FEATURES

- Can be used to attach mud flap to fender
- Prevents tear out of mud flap holes

### ORDER DETAILS

- Part number represents one strap



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction
033-04755	.16	A	black molded nylon

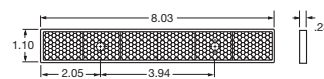
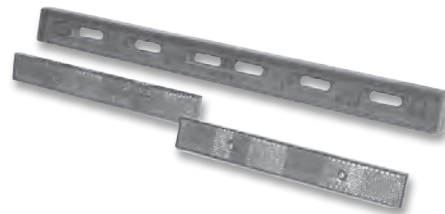
## Optional Reflectors and Holders for Spray Master® Full Round Fenders

### FEATURES

- Holders are made of strong black plastic construction with tabs to hold reflectors firmly in place
- Meets DOT-C Conspicuity law

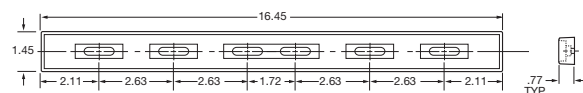
### ORDER DETAILS

- Enough for one pair of Spray Master® fenders
- Packaged set includes two 16" long reflector holders, four red reflectors and stainless steel hardware consisting of six bolts, six nuts, six square washers, and six round washers



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
031-01112	1.02	A



# Black Plastic End Cap Application Chart

## FEATURES

- Gives mounts, fenders, and mud flap brackets a finished appearance
- Triple fin design - won't come out
- Black polypropylene construction

## ORDER DETAILS

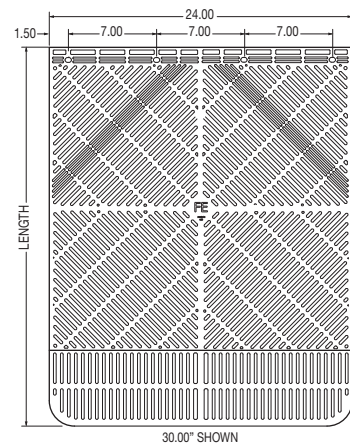
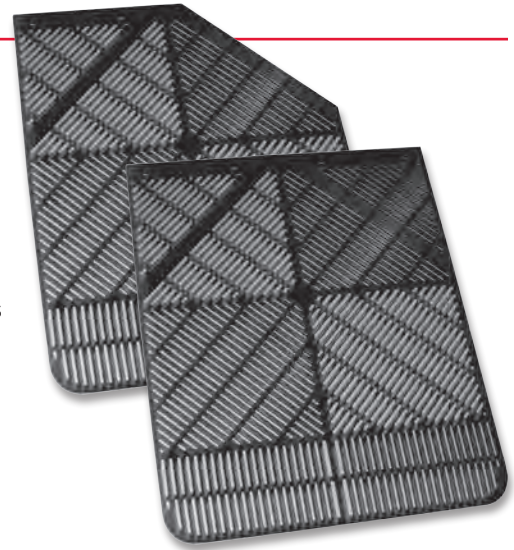
- Package sets include two end caps and, if applicable, reflectors

packaged set part no.	Application - to be used with what product	cap design	O.D. tube size	shape	reflectors	
<b>031-01277</b>	<ul style="list-style-type: none"> <li>• Air Slipper® Quarter Fender (painted)</li> <li>• Low mount Std. quarter fenders, both stainless and aluminum</li> <li>• Spray Mate® offset stainless mount at frame connection</li> <li>• Spray Mate® offset roadKote mount at frame connection</li> <li>• Standard duty fender end mount support tube (031-00095)</li> <li>• FB-27 RoadKote® models</li> </ul>	triple fin	2.00"	round	no	
<b>031-01278</b>	<ul style="list-style-type: none"> <li>• Standard quarter fender line - all finishes</li> <li>• Low mount Std. plastic quarter fender</li> </ul>	triple fin	2.09" x 1.75"	flattened	no	
<b>031-01211</b>	<ul style="list-style-type: none"> <li>• Traditional tandem fender mounts with round tubes</li> <li>• Spray Mate® mounts, at end of tube only</li> <li>• Heavy-duty mounts</li> <li>• X-FLEX® Multi-Mount U and TR</li> <li>• Pivot Bar® bulk kit</li> </ul>	triple fin	1.87"	round	no	
<b>031-01225</b>	<ul style="list-style-type: none"> <li>• Traditional tandem fender mounts with flattened tubes</li> </ul>	triple fin	2.00" x 1.65"	flattened	no	
<b>031-01502</b>	<ul style="list-style-type: none"> <li>• HELLCAT® stainless steel models</li> </ul>	clip-in tabs	-	round top flat sides and tabs	yes	
<b>031-01269</b>	<ul style="list-style-type: none"> <li>• FB-27 product line, both RoadKote® and stainless</li> </ul>	bolt tab	2.00"	round w/ bolt tab	yes	
<b>031-01281</b>	<ul style="list-style-type: none"> <li>• Master Mount line for Spray Master® fenders</li> </ul>	triple fin	1.38"	round	no	

## AeroFlap® Aerodynamic Mud Flap

### FEATURES

- AeroFlap's® unique pattern channels airflow in different, complimentary directions which saves fuel by reducing drag. A pair of aerodynamic mudflaps can decrease fuel consumption by .5 - 1%
- AeroFlap® reduces spray by not atomizing or "smashing" water droplets, creating a safer environment for everyone on the road
- Eliminates the need for anti-sail brackets due to the way air is channeled and breaks up the trailing air vortex
- Reduces maintenance costs by venting excess heat around tires and brakes
- AeroFlap's® polypropylene material is uniquely designed to withstand colder temperatures - successfully tested to -30°F
- AeroFlap® is the only aerodynamic mudflap designed for use with angled shortie brackets. Traditional flaps must be cut in places not intended for new mounting holes which causes their flaps to tear away
- Stacks neatly and nests on shipping skids, ensuring that the product stacks, stores, and ships without headache
- Works in Synergy with U.S. EPA's Smartway Program for truck/trailer aerodynamics



### ORDER DETAILS

- AeroFlap® is available in black or white
- Available in 24", 30", and 36" heights
- Part number represents 1 flap

### SPECIFICATIONS

part no. - black	part no. - white	weight (lbs.)	pop. code	width	length
<b>033-08001</b>	<b>033-08007</b>	4.00	A	24.00"	24.00"
<b>033-08002</b>	<b>033-08009</b>	4.50	A	24.00"	30.00"
<b>033-08004</b>	<b>033-08011</b>	5.10	A	24.00"	36.00"

## Patriotic Mud Flap

### FEATURES

- Mylar hot stamping process assures long life of lettering and trademarks
- Four slotted holes conform to TMC specifications
- Stays cleaner longer and are resistant to road chemicals, grease, oil, fuel, and salt

### ORDER DETAILS

- Part number represents one pair of flaps (bulk kit)



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width	length	description
<b>031-00653-20</b>	6.64	B	24.00"	24.00"	flap kit - flag and lettering
<b>031-00653-21</b>	6.64	B	24.00"	24.00"	flap kit - flag only
<b>031-00654-116</b>	8.29	B	24.00"	30.00"	flap kit - flag and lettering
<b>031-00654-117</b>	8.29	B	24.00"	30.00"	flap kit - flag only
<b>031-00655-33</b>	9.96	B	24.00"	36.00"	flap kit - flag and lettering
<b>031-00655-34</b>	9.96	B	24.00"	36.00"	flap kit - flag only

## Hellcat® Mud Flaps

### FEATURES

- A sharp looking mud flap to compliment an attractive mud flap bracket
- Mylar hot stamping process assures long life of Hellcat® logo



### ORDER DETAILS

- Part numbers represents one pair (bulk kit)

### SPECIFICATIONS

part no.	wt. (lbs.)	code	width (in.)	length (in.)	thickness (in.)	flap color
031-00656-9	6.64	pop. A	24.00"	24.00"	.1875"	black
031-00657-34	8.29	A	24.00"	30.00"	.1875"	black
031-00658-14	9.96	A	24.00"	36.00"	.1875"	black

## 3/16" Poly Mud Flaps

### FEATURES

- Formulated and blended with a unique compound of elastomers for greater resistance to cold weather cracking and tearing
- Stays cleaner longer and are resistant to road chemicals, grease, oil, fuel, and salt
- Four slotted holes conform to TMC specifications



### ORDER DETAILS

- Special sizes available upon request
- Part number represents one pair of flaps (bulk kit)

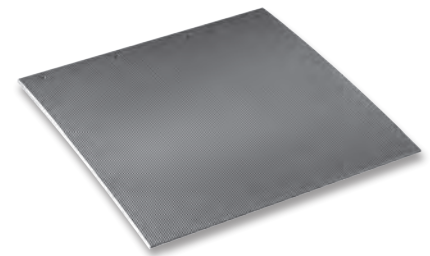
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width	length	color
031-00635	6.64	A	24.00"	24.00"	white
031-00636	8.29	A	24.00"	30.00"	white
031-00637	9.96	A	24.00"	36.00"	white
031-00638	6.64	A	24.00"	24.00"	black
031-00639	8.29	A	24.00"	30.00"	black
031-00640	9.96	A	24.00"	36.00"	black

## 5/16" Anti-Spray Poly Mud Flaps

### FEATURES

- Formulated and blended with a unique compound of elastomers for greater cold weather resistance to cracking and tearing
- Four slotted holes conform to TMC specifications
- A straight ribbed pattern channels water downward to reduce road spray
- Reduces ice and snow build-up and stays effective longer



### ORDER DETAILS

- Part number represents one pair of flaps (bulk kit)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width	length	color
031-00677	8.80	A	24.00"	24.00"	white
031-00678	10.80	A	24.00"	30.00"	white
031-00679	12.80	A	24.00"	36.00"	white
031-00680	8.80	A	24.00"	24.00"	black
031-00681	10.80	A	24.00"	30.00"	black
031-00682	12.80	A	24.00"	36.00"	black

## 3/16" and 5/16" Custom Poly Mud Flaps

### FEATURES

- Hot stamped with your name, logo, trademark, etc.
- Hot stamp available with OEM logo only through respective dealers
- Mylar hot stamping process assures long life of lettering and trademarks
- Four slotted holes conform to TMC specifications
- Imprinted message available in many standard foil colors
- Up to three lines of 2.00", 3.00", or 4.00" height straight block lettering available



### ORDER DETAILS

- Part number represents one pair of flaps (bulk kit)

### SPECIFICATIONS FOR 3/16" CUSTOM MUD FLAPS

part no.	weight (lbs.)	pop. code	thickness (in.)	width	length	color
031-00653-	6.64	B	3/16"	24.00"	24.00"	white
031-00654-	8.29	B	3/16"	24.00"	30.00"	white
031-00655-	9.96	B	3/16"	24.00"	36.00"	white
031-00656-	6.64	B	3/16"	24.00"	24.00"	black
031-00657-	8.29	B	3/16"	24.00"	30.00"	black
031-00658-	9.96	B	3/16"	24.00"	36.00"	black

### SPECIFICATIONS FOR 5/16" ANTI-SPRAY CUSTOM MUD FLAPS

part no.	weight (lbs.)	pop. code	thickness (in.)	width	length	color
031-00695-	8.80	B	5/16"	24.00"	24.00"	white
031-00696-	10.80	B	5/16"	24.00"	30.00"	white
031-00697-	12.80	B	5/16"	24.00"	36.00"	white
031-00698-	8.80	B	5/16"	24.00"	24.00"	black
031-00699-	10.80	B	5/16"	24.00"	30.00"	black
031-00700-	12.80	B	5/16"	24.00"	36.00"	black

## How to Order Custom Mud Flaps (Distributors/Dealers)

- Please furnish clean black and white artwork, a business card, or other printed material that clearly shows logo and the colors you want reproduced
- Create a rough sketch using flap grid diagram to indicate placement of art, lettering, and/or logo
- All art, lettering and/or logos must fit into 18.00" x 18.00" imprint area
- Please print your custom lettering message clearly
- Photocopy order form and fax it to (231) 777-2720 or email it to salesorders@fleetengineers.com
- Initial minimum order is 50 pairs, repeat minimum order is 25 pairs

### Initial Custom Order Set-Up Charges

- Fifty pair minimum, a one-time set-up charge for custom lettering, logos, and artwork
- Normally, one imprint plate is used for each color
- Additional plates may be necessary for large images

**part no. 031-AC001** First plate

**part no. 031-AC002** Second plate

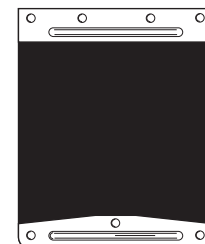
**part no. 031-AC003** Third plate

- The first imprint plate is free on orders of 200 pairs or more
- Consult price list for plate charge

### Standard Foil Colors

Color	Standard P.M.S. Equivalent
Black	3-2X
Medium Blue	293
Medium Brown	471-2X
Green	354-2X
Grey	429
Orange	021
Red	032
Red/Orange	172
White	
Yellow	108

When using stainless steel flap plate kits (page 56), allow 4.50" from bottom for artwork and/or logo.



# Custom Mud Flap Order Form

Fax to: 231-777-2720 • email: salesorders@fleetengineers.com

Quantity: \_\_\_\_\_ Size: \_\_\_\_\_

Name: \_\_\_\_\_

Part Number: \_\_\_\_\_

Street Address: \_\_\_\_\_

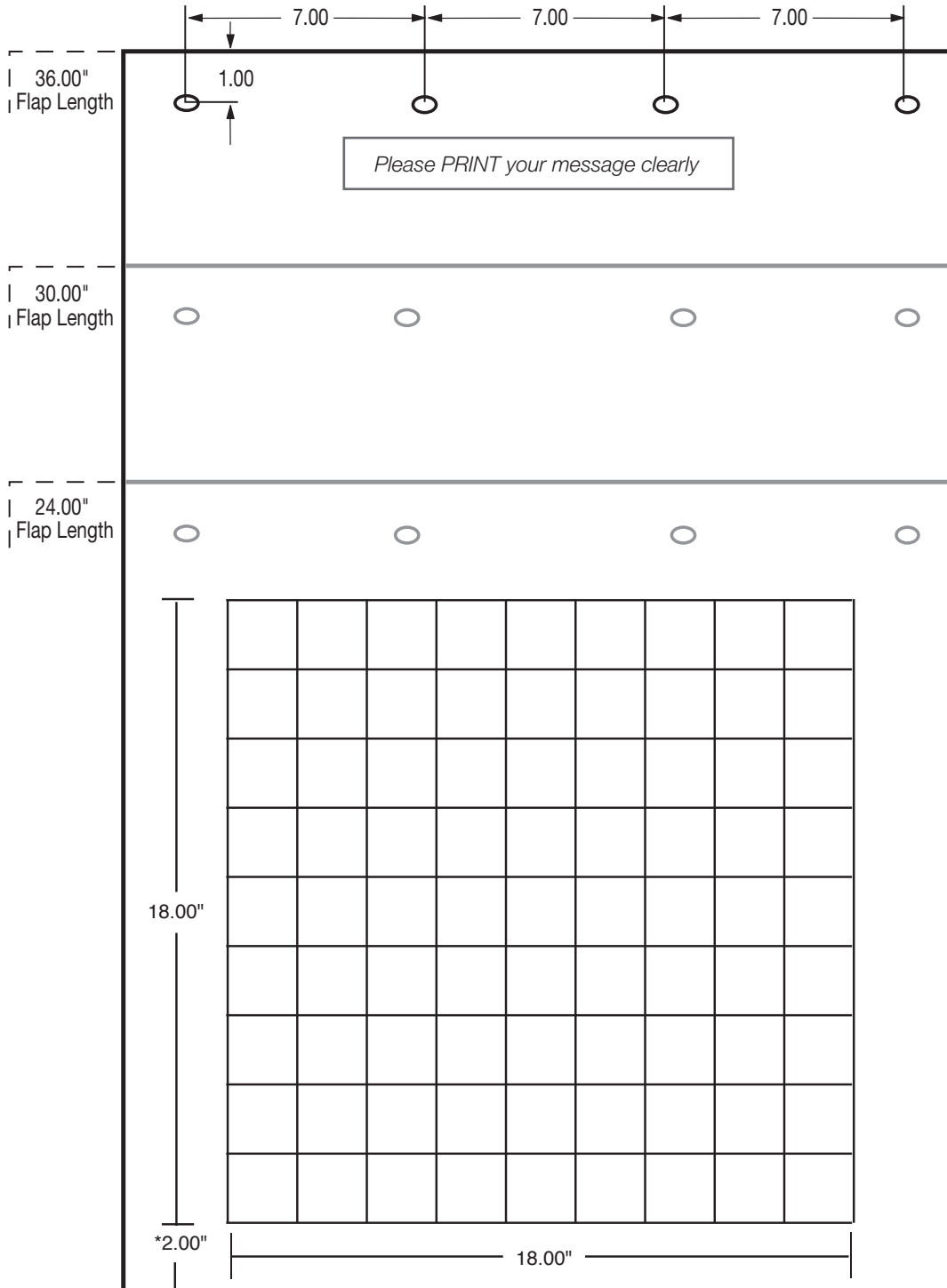
Description: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Email: \_\_\_\_\_

Purchase Order No.: \_\_\_\_\_



SPRAY CONTROL  
MUD FLAP ORDER FORM





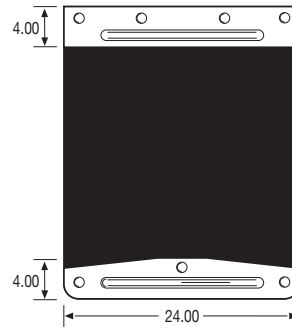
## Mirror Finish Stainless Steel Flap Plate

### FEATURES

- Mirror finish stainless steel plates, will never rust
- Embossed for added strength and improved appearance
- Pre-punched square holes for use with carriage bolts
- No studs to break off
- .046" thick

### ORDER DETAILS

- Packaged set includes stainless steel hardware consisting of carriage bolts, nuts, and washers



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
033-00319	3.20	B	two upper flap plates with stainless steel mounting hardware
033-00297	3.00	B	two lower flap plates with stainless steel mounting hardware
031-00170	5.50	B	two upper and two lower flap plates with stainless steel mounting hardware

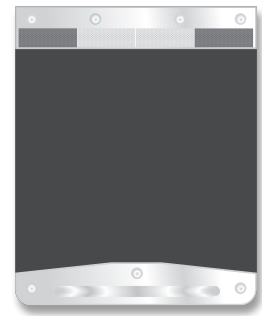
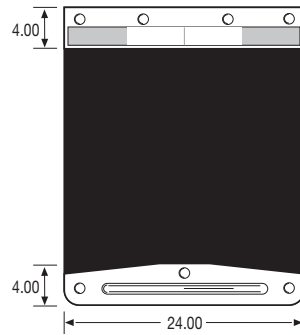
## Upper Flap Plate with Reflective Tape

### FEATURES

- Mirror finish stainless steel plates with reflective tape attached
- Meets all requirements of the conspicuity law
- Pre-punched square holes for use with carriage bolts
- No studs to break off

### ORDER DETAILS

- Packaged set includes stainless steel hardware consisting of carriage bolts, nuts, and washers



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
031-01584	3.20	B	two stainless steel upper plates w/ tape and stainless steel mounting hardware

## Stainless Steel or Zinc Hardware

### FEATURES

- Attaches mud flaps to any type of mud flap brackets
- Stainless steel hardware won't leave rust streaks on mud flaps
- Great P.O.P. display

### ORDER DETAILS

- Sets consists of eight bolts (5/16" x 1.25 lg), eight nuts (5/16") and sixteen washers (5/16"), enough for one pair of mud flaps

### SPECIFICATIONS

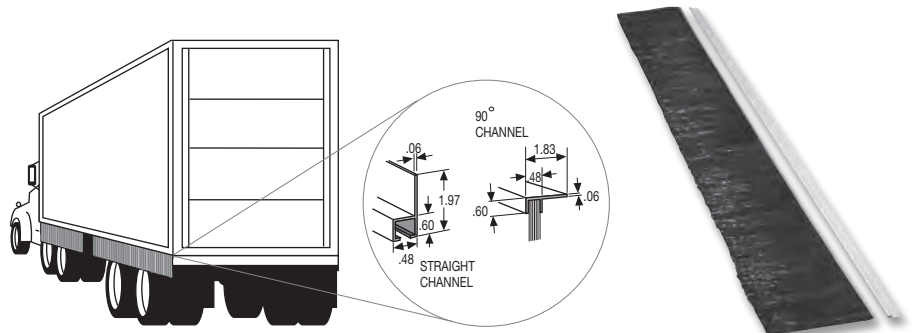
part no.	weight (lbs.)	pop. code	description	construction
031-01200	.72	A	packaged set	stainless steel
031-01298	.72	A	packaged set	zinc



# Spray Suppression Skirting

## FEATURES

- Air flows freely through the flexible filament
- Brush reduces spray to keep vehicles cleaner
- Significant spray reduction improves both driver and motorist visibility



## ORDER DETAILS

- Each skirting packaged set comes in 8.00' sections with two spray suppression brushes (6.00", 9.00", or 12.00" length) and two aluminum channels (90° or straight mount)
- Special corrugated packaging allows parcel shipment of one to two kits per package

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	brush length (in.)	channel
031-00716	11.80	A	packaged set	6.00	90°
031-00717	13.24	A	packaged set	9.00	90°
031-00718	14.68	A	packaged set	12.00	90°
031-00719	11.80	A	packaged set	6.00	straight
031-00720	13.24	A	packaged set	9.00	straight
031-00721	14.68	A	packaged set	12.00	straight
032-00337	1.56	A	channel only	na	straight
032-00338	1.67	A	channel only	na	90 degree
032-00340	2.92	A	brush only	6.00	na
032-00341	3.23	A	brush only	9.00	na
032-00342	3.95	A	brush only	12.00	na

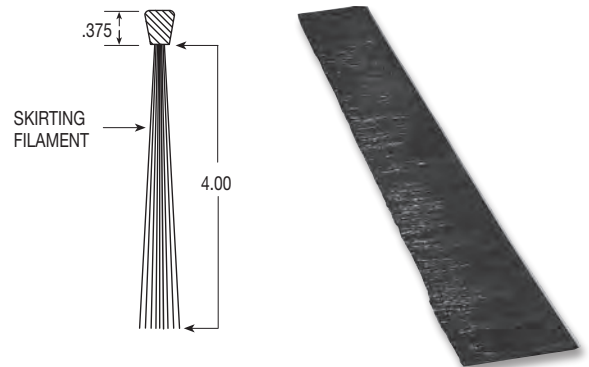
# Side Skirting Filament

## FEATURES

- .375" mounting area for versatile application

## ORDER DETAILS

- When ordering, specify number of feet desired.



## SPECIFICATIONS

part no.	weight per foot (lbs.)	pop. code	description
997-70174	.38	C	skirting filament brush only

## Bar Type Mud Flap Brackets

### FEATURES

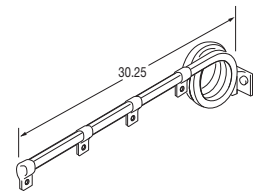
- Square spring steel
- Black primer finish
- Arms available separately

### ORDER DETAILS

- Contact our sales department regarding any application questions
- Packaged sets include two arms, standard regular or standard end cast mounting sockets, and all mounting hardware (bracket to chassis and mud flap to bracket)

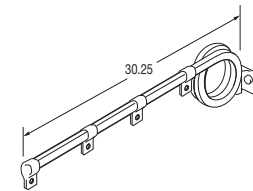
### SQUARE TRIPLE COIL BRACKET SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	size (in.)	mounts	application	reference
031-00123	19.10	A	complete packaged set	.63	standard	standard-duty	
031-00143	19.20	A	complete packaged set	.63	end	standard-duty	
034-00429	7.80	A	one left (roadside) arm	.63		standard-duty	A23L
034-00430	7.80	A	one right (curbside) arm	.63		standard-duty	A23R
031-00101	26.10	A	complete packaged set	.75	standard	heavy-duty	
031-00111	26.32	A	complete packaged set	.75	end	heavy-duty	
034-00676	11.27	A	one left (roadside) arm	.75		heavy-duty	
034-00677	11.27	A	one right (curbside) arm	.75		heavy-duty	



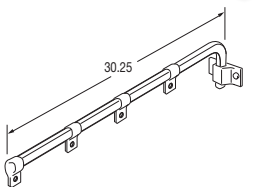
### SQUARE DOUBLE COIL BRACKET SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	size (in.)	mounts	application	reference
031-00130	16.50	A	complete packaged set	.63	standard	standard-duty	
034-00628	6.80	A	one left (roadside) arm	.63		standard-duty	
034-00629	6.80	A	one right (curbside) arm	.63		standard-duty	
031-00108	22.90	A	complete packaged set	.75	standard	heavy-duty	B83
034-00636	9.60	A	one left (roadside) arm	.75		heavy-duty	A83L
034-00637	9.60	A	one right (curbside) arm	.75		heavy-duty	A83R



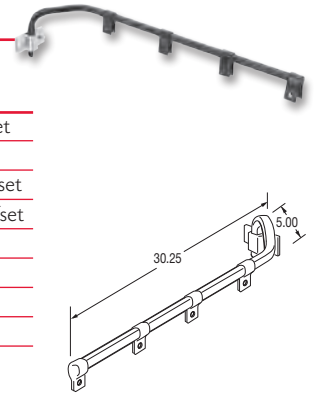
### RIGHT ANGLE BRACKET SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	size (in.)	mounts	application	reference
031-00125	12.80	A	complete packaged set	.63	standard	standard-duty	B25
031-00145	12.40	A	complete packaged set	.63	end	standard-duty	
034-00426	4.50	A	one arm	.63		standard-duty	A25
031-00102	16.10	A	complete packaged set	.75	standard	heavy-duty	B82
031-00112	16.38	A	complete packaged set	.75	end	heavy-duty	
034-00679	6.30	A	one arm	.75		heavy-duty	A82



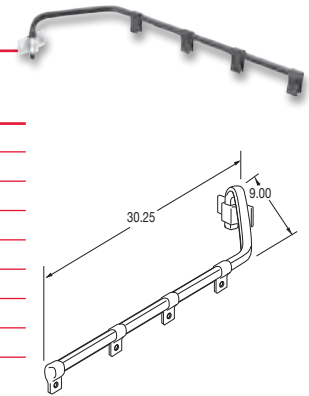
## 5.00" OFFSET BRACKET SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	size (in.)	mounts	application	reference
031-00129	13.20	A	complete packaged set	.63	standard	standard-duty	B29, 5.50" offset
031-00149	13.00	A	complete packaged set	.63	end	standard-duty	
034-00427	4.90	A	one left (roadside) arm	.63		standard-duty	A29L, 5.50" offset
034-00428	4.90	A	one right (curbside) arm	.63		standard-duty	A29R, 5.50" offset
031-00103	17.00	B	complete packaged set	.75	standard	heavy-duty	
031-00113	17.16	B	complete packaged set	.75	end	heavy-duty	
034-00682	6.60	B	one left (roadside) arm	.75		heavy-duty	
034-00683	6.60	B	one right (curbside) arm	.75		heavy-duty	



## 9.00" OFFSET BRACKET SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	size (in.)	mounts	application	reference
031-00147	13.70	B	complete packaged set	.63	standard	standard-duty	B69
031-00157	14.62	B	complete packaged set	.63	end	standard-duty	
034-00642	5.00	B	one left (roadside) arm	.63		standard-duty	A69L
034-00643	5.00	B	one right (curbside) arm	.63		standard-duty	A69R
031-00089	18.60	C	complete packaged set	.75	standard	heavy-duty	
031-00099	18.70	C	complete packaged set	.75	end	heavy-duty	
034-00644	7.50	C	one left (roadside) arm	.75		heavy-duty	
034-00645	7.50	C	one right (curbside) arm	.75		heavy-duty	



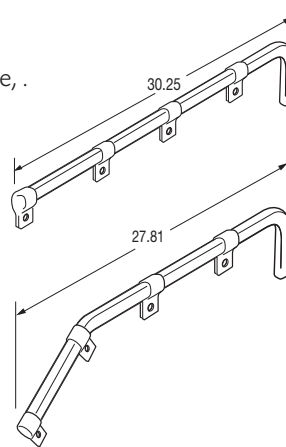
## Standard or Shortie Point-of-Purchase Barrel

### FEATURES

- Standard barrel includes 50, right angle, .63" mud flap bracket arms
- Shortie barrel includes 40, Shortie right angle, .63" mud flap bracket arms
- Arms available separately

### ORDER DETAILS

- Contact our sales department regarding any application questions



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
031-00050	236.00	A	Standard P.O.P. Barrel and bracket arms
034-00426	4.50	A	Standard .63" right angle bracket arm
031-00049	189.00	A	Shortie P.O.P. Barrel and bracket arms
034-00433	4.50	A	Shortie .63" Shortie right angle bracket arm



## Shortie Bar Type Mud Flap Brackets

### FEATURES

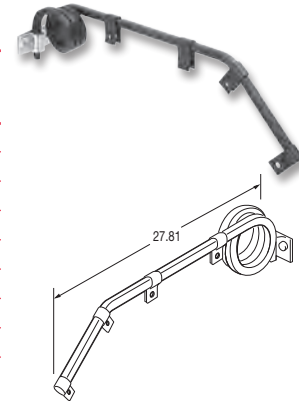
- Square spring steel
- Black primer finish
- Arms available separately

### ORDER DETAILS

- Contact our sales department regarding any application questions
- Packaged sets include two arms, standard regular or standard end cast mounting sockets, and all mounting hardware (bracket to chassis and mud flap to bracket)

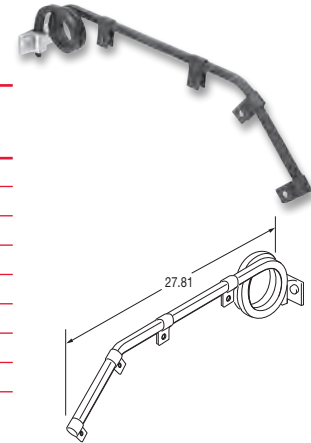
### SHORTIE SQUARE TRIPLE COIL BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
031-00133	19.70	A	complete packaged set	.63	standard	standard-duty	B33
031-00153	19.75	A	complete packaged set	.63	end	standard-duty	
034-00436	7.80	A	one left (roadside) arm	.63		standard-duty	A33L
034-00437	7.80	A	one right (curbside) arm	.63		standard-duty	A33R
031-00104	26.30	A	complete packaged set	.75	standard	heavy-duty	
031-00114	26.25	A	complete packaged set	.75	end	heavy-duty	
034-00672	11.20	A	one left (roadside) arm	.75		heavy-duty	
034-00673	11.20	A	one right (curbside) arm	.75		heavy-duty	



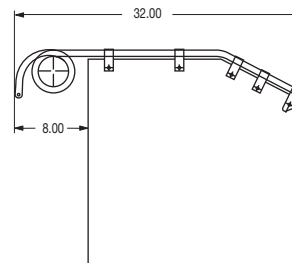
### SHORTIE SQUARE DOUBLE COIL BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
031-00136	17.20	B	complete packaged set	.63	standard	standard-duty	
031-00146	18.20	B	complete packaged set	.63	end	standard-duty	
034-00660	6.70	B	one left (roadside) arm	.63		standard-duty	
034-00661	6.70	B	one right (curbside) arm	.63		standard-duty	
031-00110	23.00	B	complete packaged set	.75	standard	heavy-duty	B84
031-00120	23.10	B	complete packaged set	.75	end	heavy-duty	
034-00668	9.50	B	one left (roadside) arm	.75		heavy-duty	A84L
034-00669	9.50	B	one right (curbside) arm	.75		heavy-duty	A84R



### SHORTIE SQUARE DOUBLE COIL BRACKET (EXTRA-LONG)

- .75" bar size
- Longer length provides complete mud flap containment
- Special end bracket clip to reduce flap breakage

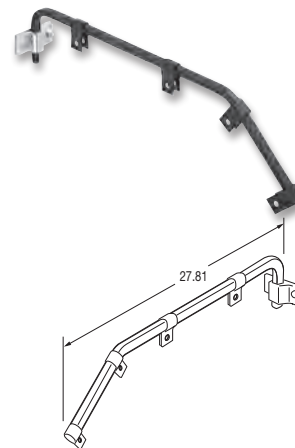


### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
031-00553	23.75	C	packaged set	.75	standard	heavy-duty	B87
034-00877	10.25	C	one left (roadside) arm	.75	standard	heavy-duty	A87L
034-00878	10.25	C	one right (curbside) arm	.75	standard	heavy-duty	A87R

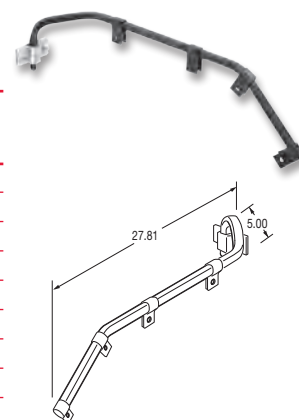
### SHORTIE RIGHT ANGLE BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
<b>031-00135</b>	12.80	A	complete packaged set	.63	standard	standard-duty	B35
<b>031-00155</b>	13.20	A	complete packaged set	.63	end	standard-duty	
<b>034-00433</b>	4.50	A	one arm	.63		standard-duty	A35
<b>031-00105</b>	16.62	A	complete packaged set	.75	standard	heavy-duty	B81
<b>031-00115</b>	17.48	A	complete packaged set	.75	end	heavy-duty	
<b>034-00685</b>	6.30	A	one arm	.75		heavy-duty	A81



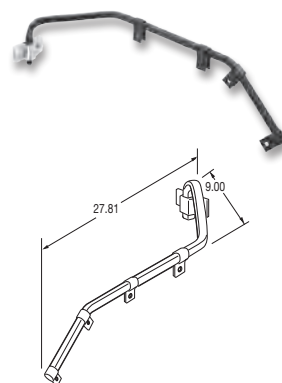
### SHORTIE 5.00" OFFSET BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
<b>031-00139</b>	13.50	A	complete packaged set	.63	standard	standard-duty	B39
<b>031-00159</b>	13.00	A	complete packaged set	.63	end	standard-duty	
<b>034-00434</b>	4.90	A	one left (roadside) arm	.63		standard-duty	A39L
<b>034-00435</b>	4.90	A	one right (curbside) arm	.63		standard-duty	A39R
<b>031-00106</b>	17.21	B	complete packaged set	.75	standard	heavy-duty	
<b>031-00116</b>	18.30	B	complete packaged set	.75	end	heavy-duty	
<b>034-00688</b>	6.60	B	one left (roadside) arm	.75		heavy-duty	
<b>034-00689</b>	6.60	B	one right (curbside) arm	.75		heavy-duty	



### SHORTIE 9.00" OFFSET BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	bar size (in.)	mounts	application	cross reference
<b>031-00150</b>	13.80	B	complete packaged set	.63	standard	standard-duty	B79
<b>031-00160</b>	15.40	B	complete packaged set	.63	end	standard-duty	
<b>034-00650</b>	5.00	B	one left (roadside) arm	.63		standard-duty	A79L
<b>034-00651</b>	5.00	B	one right (curbside) arm	.63		standard-duty	A79R

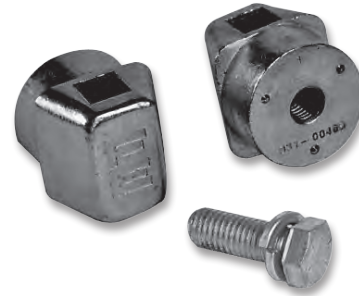
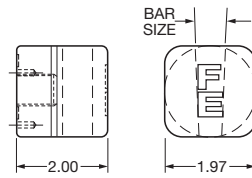




## Cast Single Bolt Mount

### FEATURES

- Takes up less space on truck frame
- Steel construction
- Three steel pins ensure socket will not move
- Can be used with PivotBar® to offset a bar stock bracket



U.S. Patent #6,484,984B2  
CAN. Patent #2, 328,683

### ORDER DETAILS

- Packaged set includes two mounting sockets, two 5/8" bolts, and lock washers

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	bar size (in.)	finish
031-01589	3.60	A	.63	E-coat

## Standard Cast Vertical Mount

### APPLICATION

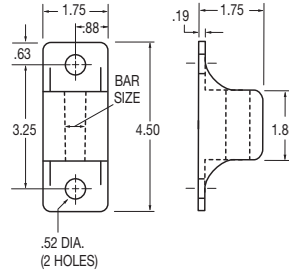
- Allows for relocation of brackets from one vehicle to another

### FEATURES

- Steel construction with black primed finish

### ORDER DETAILS

- Packaged sets include two mounting sockets and all necessary hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	bar size (in.)	cross reference
031-00891	3.69	A	.63	K 650
031-00892	4.21	A	.75	K 850

## Standard "Regular" Cast Mount

### APPLICATION

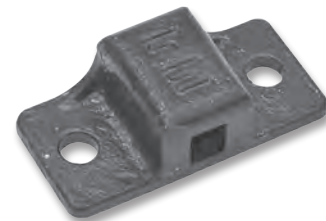
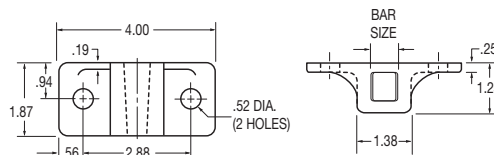
- Allows for relocation of brackets from one vehicle to another

### FEATURES

- Steel construction with black primed finish

### ORDER DETAILS

- Packaged sets include two mounting sockets and all necessary hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	bar size (in.)	cross reference
031-00896	2.39	A	.63	K 1732
031-00897	2.33	A	.75	K 700

## Standard "Narrow" Cast Mount

### APPLICATION

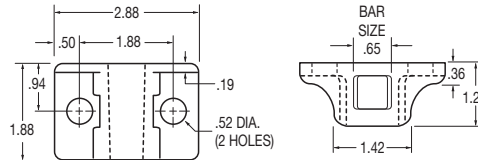
- Allows for relocation of brackets from one vehicle to another

### FEATURES

- Steel construction with black primed finish

### ORDER DETAILS

- Packaged sets include two mounting sockets and all necessary hardware



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	bar size (in.)	cross reference
031-00899	1.93	A	.63	K 711

## Cast End Mount

### APPLICATION

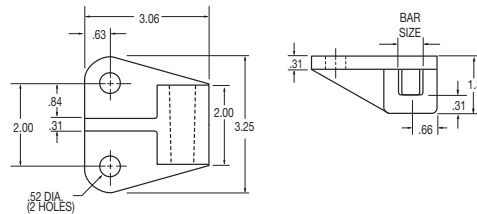
- Allows for relocation of brackets from one vehicle to another

### FEATURES

- Steel construction with black primed finish

### ORDER DETAILS

- Packaged sets include two mounting sockets and all necessary hardware



Roadside shown  
(LEFT HAND)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	bar size (in.)	cross reference
031-00893	3.23	A	.63	B 600
031-00894	3.11	A	.75	B 750

# Everything You Need To Know About **Spring Loaded Mud Flap Brackets**

**DEFINITION:** A mud flap bracket assembly whose major components are a tube, spring and frame seat or mount, and an optional end cap.

The **tube** is the primary component that holds the mud flap and spring. All tubes have a mounting plate welded on one end.

The **spring** holds the tube to the frame seat or mount and allows the bracket to absorb vibrations and move out of the way on impact.

The **frame seat** (also known on some models as the end plate) is the component between the bracket tube and the truck frame and attaches to the truck frame. It also holds the tube and spring in place for mounting and removing.

There are three frame seat mounting designs: **Internal Frame Mount**, **Frame Seat with Internal Locator** and the **Self-Centering Frame Seat**.

The **Internal Frame Mount** does not have a true frame seat as it is recessed into the bracket tube mounting plate which can cause several problems.

- The bracket tube can "hang-up" and be out of position
- Does not protect the truck frame - direct tube contact causes wear on the frame
- The bracket spring **MUST** be held in place by a keeper bar for mounting and removing
- If the keeper bar is **NOT** in place when removing the bracket, the sudden release of the spring may cause serious personal injury
- Depending on the manufacturer, springs are loaded up to 800 lbs.

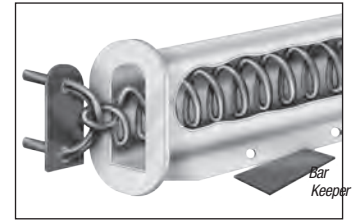
The **Frame Seat With Internal Locator**, is a true frame seat but with an internal locator.

- Protects the truck frame
- The bracket tube can "hang-up" and get out of position
- Keeps the bracket together which makes for easier and safer mounting and removal - no keeper bar to worry about

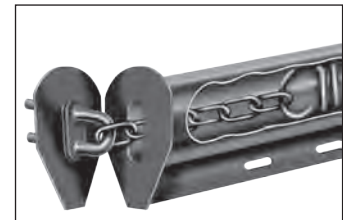
The third type of frame seat is the **Self-Centering Frame Seat**, a patented design that is a true frame seat with many special features.

- Will never "hang-up" - ALWAYS snaps into the correct position - 100% of the time.
- Protects the truck frame - no contact from the tube to the frame
- Keeps the bracket together which makes for easier and safer mounting and removal - no keeper bar to worry about

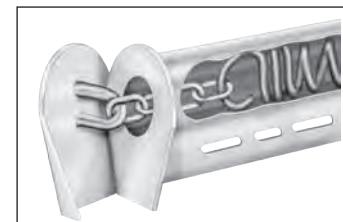
All **Fleet Engineers FB-27** brackets and **Hellcat** brackets have patented self-centering frame seats - the only brackets in the industry to do so. Quite often, manufacturers of the other two frame seat designs consider theirs to be self-centering but they do not perform correctly 100% of the time like the self-centering brackets. And most other brackets leave off the end cap, but not Fleet Engineers. An end cap provides a "finished" appearance, increases safety due to the built in reflectors and keeps debris outside the internal part of the tube. For these reasons, we believe it is important that all FB-27's\* and Hellcats come standard with an attractive end cap that stays on!



**INTERNAL  
FRAME MOUNT**



**FRAME SEAT WITH  
INTERNAL LOCATOR**



**SELF-CENTERING  
FRAME SEAT**

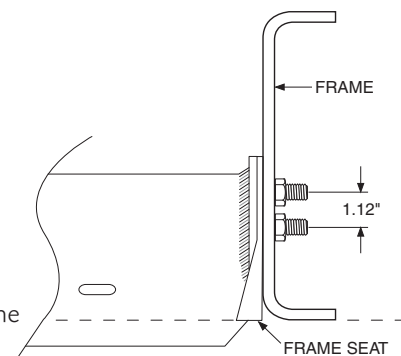
## **FB-27 Mounting Installation Instructions**

1. Make sure the area of the frame where the bracket is to be mounted is clean and free from obstructions and protrusions. The frame seat of the bracket must come in full contact with the frame.
2. Locate the bracket in the desired position. Make sure the frame seat does not extend past the bottom edge of the frame. Mark the location of the bolts.
3. Drill 17/32" clearance holes for the bolts.

**NOTE:** Be sure to follow truck manufacturers recommended procedures for drilling any required holes in the frame.

4. Install bracket and torque nuts to a maximum of 57 ft. lbs.

**NOTE:** Mounting the FB-27 with the frame seat extending past the bottom of the frame without the use of part #032-00412 support plate will void the warranty.



# Hellcat® Spring Loaded Brackets

## FEATURES

- Available in stainless steel or RoadKote® (black E-coat) painted finish
- Bracket is unassembled; for installation flexibility, reflectors and hardware are not attached
- Slot arrangement conforms to TTMA flap hole pattern on straight brackets
- Cast mounting seat accepts studs for either 1.125" or 2.5" hole pattern
- U.S. Patent # 6,604,724, CAN. Patent #2,328,677

## ORDER DETAILS

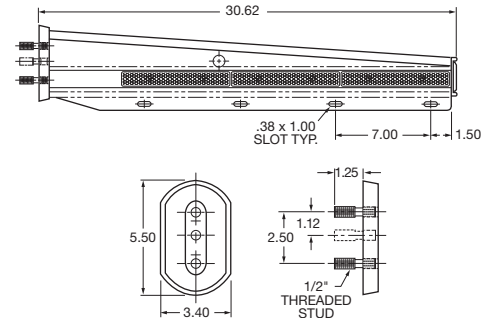
- Packaged set includes two brackets, reflectors, mounting hardware, end caps, plastic snap rivets, and plugs
- End cap packaged set includes two end caps and two end cap reflectors
- Hardware packaged set includes, four studs, four nuts, and four washers
- Plastic snap rivets and plugs packaged set includes 12 of each



Matching Hellcat® mudflap available - see page 53



Polished Stainless Steel Finish



## HELLCAT® STRAIGHT SPRING LOADED BRACKETS SPECIFICATIONS

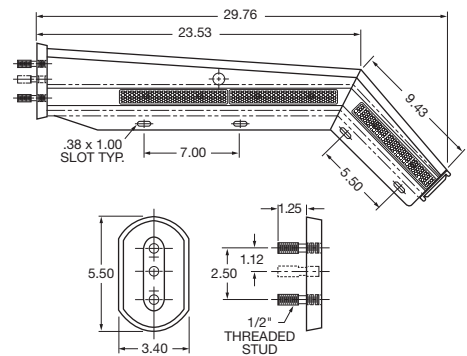
part no.	wt. (lbs.)	pop. code	description	finish
033-04992	26.15	A	complete packaged set	RoadKote® (black E-coat)
033-04993	26.15	A	complete packaged set	polished stainless steel finish
031-01500	0.40	A	straight reflector packaged set- 4 red and 2 white	
031-01502	0.20	A	end cap packaged set for stainless steel model	
031-01503	0.75	A	hardware packaged set	
031-01507	0.025	A	plastic snap rivets and plugs packaged set	



RoadKote Painted Finish



Polished Stainless Steel Finish



## HELLCAT® SHORTIE SPRING LOADED BRACKETS SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish
033-05016	27.39	A	complete packaged set	RoadKote® (black E-coat)
033-05017	27.67	A	complete packaged set	polished stainless steel finish
031-01500	0.40	A	straight reflector packaged set- 4 red and 2 white	
031-01502	0.87	A	end cap packaged set	
031-01503	0.75	A	hardware packaged set	
031-01507	0.025	A	plastic snap rivets and plugs packaged set	

# FB-27 Spring Loaded Brackets with Reflective Tape on Extended Flange

## APPLICATION

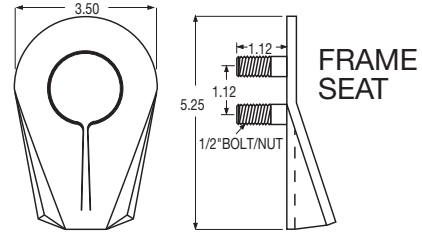
- When mounted directly to the truck frame use the 30.25" Frame Mount bracket. If possibility of bracket extending past the outside edge of the tire when using a frame mounting adapter, order the Standard 28.00" or smaller FB-27 Bracket.

## FEATURES

- Extended flange to accommodate reflective tape
- DOT-C2 reflective tape adhered to extended flange
- Bracket available in RoadKote® finish or polished stainless steel
- Patented seat design eliminates wind-caused bracket rotation
- Reduces flap and bracket damage
- Ideal for the heavy-duty spray suppression flaps

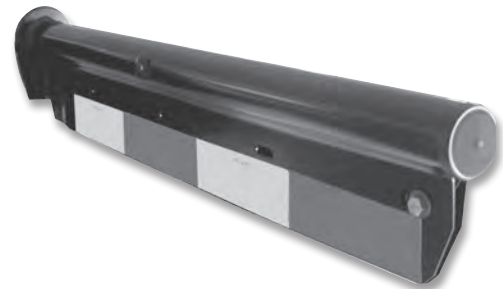
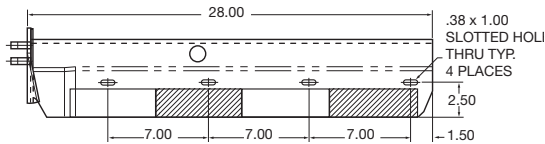
## ORDER DETAILS

- Packaged set part number represents two brackets, mounting hardware, and end caps



## \*STANDARD FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

- Slot arrangement conforms to TTMA flap hole pattern

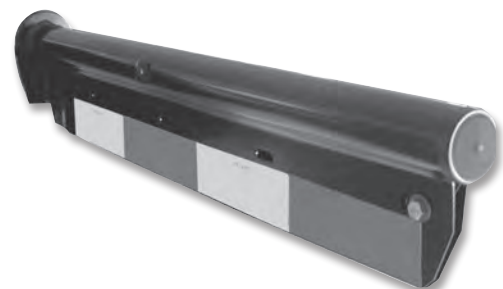
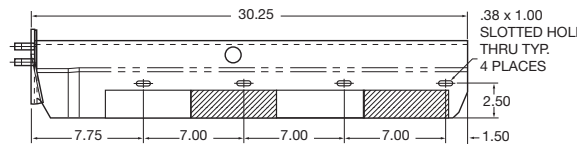


## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
033-04555	21.70	A	28.00	RoadKote® (black E-coat)	B5728, BF28PCX-kit
033-04567	21.20	A	28.00	polished stainless steel	B5728S, BF28SSCX-kit

## \*FRAME MOUNT FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

- Slot arrangement conforms to TTMA flap hole pattern
- Larger size for flap retention to tire's outer edge

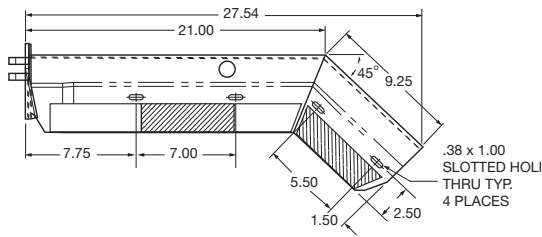


## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
033-04530	22.85	A	30.25	RoadKote® (black E-Coat)	B57, BF30PCX-kit
033-04550	22.89	A	30.25	polished stainless steel	B57S, BF30SSCX-kit

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64

**\*SHORTIE FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE**

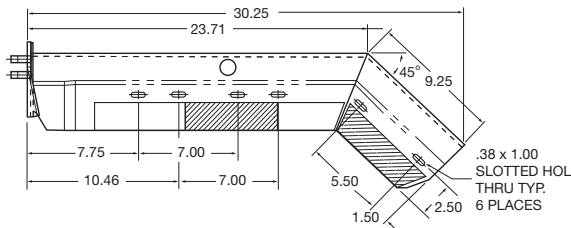


**SPECIFICATIONS**

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
<b>033-04542</b>	22.45	A	27.54	RoadKote® (black E-coat)	B6728, SF3045PCX-kit
<b>033-04546</b>	21.39	A	27.54	polished stainless steel	B6728S, SF3045SSCX-kit

**\*FRAME MOUNT SHORTIE FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE**

- Longer length provides complete mud flap containment



**SPECIFICATIONS**

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
<b>033-04647</b>	23.28	A	30.25	RoadKote® (black E-coat)	B67
<b>033-04648</b>	21.60	A	30.25	polished stainless steel	B67S

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64



# Aftermarket FB-27 Spring Loaded Brackets with Reflective Tape on Extended Flange

## APPLICATION

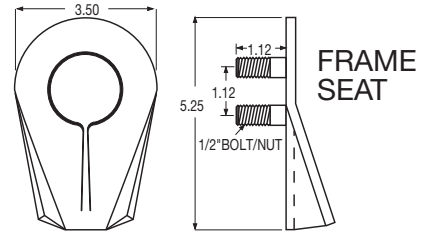
- When mounted directly to the truck frame use the 30.25" Frame Mount bracket. If possibility of bracket extending past the outside edge of the tire when using a frame mounting adapter, order the Standard 28.00" or smaller FB-27 Bracket.

## FEATURES

- DOT-C2 reflective tape adhered to flange
- Bracket available in RoadKote® finish or polished stainless steel
- Patented seat design eliminates wind-caused bracket rotation
- Reduces flap and bracket damage
- Ideal for the heavy-duty spray suppression flaps

## ORDER DETAILS

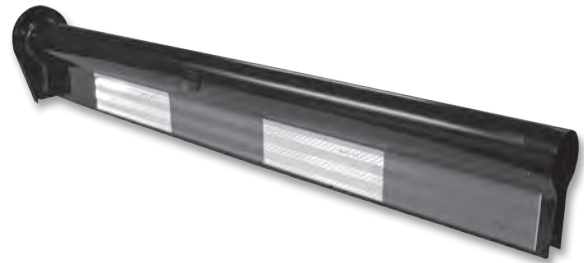
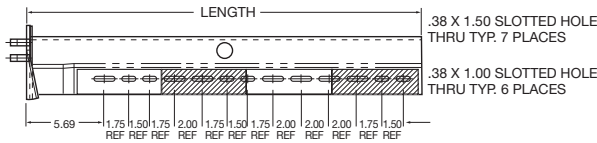
- Packaged set part number represents two brackets, mounting hardware, and end caps



**Lower priced  
conspicuity brackets**

## AFTERMARKET STANDARD FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

- Slot arrangement conforms to TTMA flap hole pattern

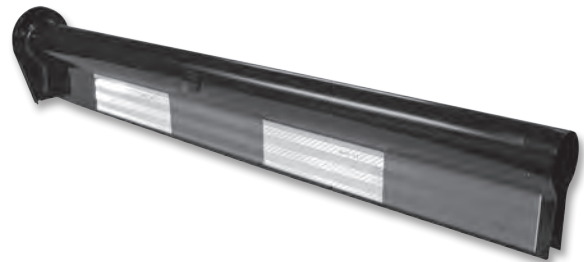
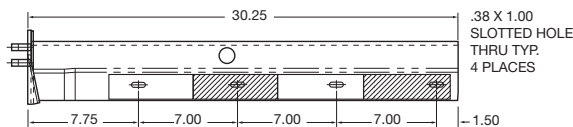


## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
033-05190	18.25	A	28.00	RoadKote® (black E-coat)	B5728, BF28PCX-kit
033-05191	17.70	A	28.00	polished stainless steel	B5728S, BF28SSCX-kit

## AFTERMARKET FRAME MOUNT FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

- Slot arrangement conforms to TTMA flap hole pattern
- Larger size for flap retention to tire's outer edge

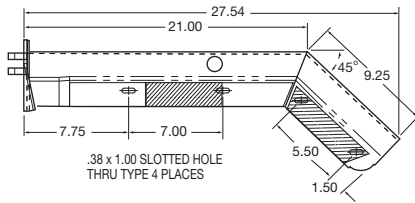


## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
033-05192	19.31	A	30.25	RoadKote® (black E-Coat)	B57, BF30PCX-kit
033-05193	18.85	A	30.25	polished stainless steel	B57S, BF30SSCX-kit

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64

## AFTERMARKET SHORTIE FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

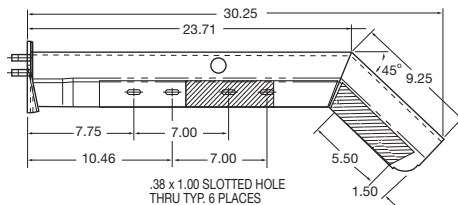


### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
<b>033-05194</b>	18.85	A	27.54	RoadKote® (black E-coat)	B6728, SF3045PCX-kit
<b>033-05195</b>	18.35	A	27.54	polished stainless steel	B6728S, SF3045SSCX-kit

## AFTERMARKET FRAME MOUNT SHORTIE FB-27 SPRING LOADED BRACKETS WITH REFLECTIVE TAPE ON EXTENDED FLANGE

- Longer length provides complete mud flap containment



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
<b>033-05196</b>	20.65	A	30.25	RoadKote® (black E-coat)	B67
<b>033-05197</b>	19.71	A	30.25	polished stainless steel	B67S

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64

## FB-27 Brackets with Reflector Holders and Reflectors

### APPLICATION

- When mounted directly to the truck frame use the 30.25" Frame Mount bracket. If possibility of bracket extending past the outside edge of the tire when using a frame mounting adapter, order the Standard 28.00" or smaller FB-27 Bracket.

### FEATURES

- Holders made of strong black plastic construction and have tabs to hold reflectors in securely in place
- Brackets available in RoadKote® or stainless steel finish and two lengths

### ORDER DETAILS

- Packaged set includes two brackets, end caps, two holders, two white reflectors, four red reflectors, and all hardware (bracket to chassis, holder to bracket and holder to bracket to mud flap)



### SPECIFICATIONS FOR STRAIGHT BRACKETS

part no.	weight (lbs.)	pop. code	bracket length	bracket construction
031-01265	19.28	A	30.25	RoadKote® (black E-coat)
031-01266	19.28	A	30.25	stainless steel
031-01271	18.48	A	28.00	RoadKote® (black E-coat)
031-01272	18.28	A	28.00	stainless steel

### SPECIFICATIONS FOR SHORTIE BRACKETS

part no.	weight (lbs.)	pop. code	bracket length	bracket construction
031-01273	18.90	A	27.54	RoadKote® (black E-coat)
031-01274	19.20	A	27.54	stainless steel
031-01267	19.01	A	30.25	RoadKote® (black E-coat)
031-01268	19.01	A	30.25	stainless steel

## Bar Type Brackets with Reflector Holders and Reflectors

### FEATURES

- Holders made of strong black plastic construction and have tabs to hold reflectors securely in place

### ORDER DETAILS

- Packaged set includes two arms, cast sockets, two holders, two white reflectors, four red reflectors, and all hardware (bracket to chassis, holder to bracket and holder to bracket to mud flap)



### SPECIFICATIONS

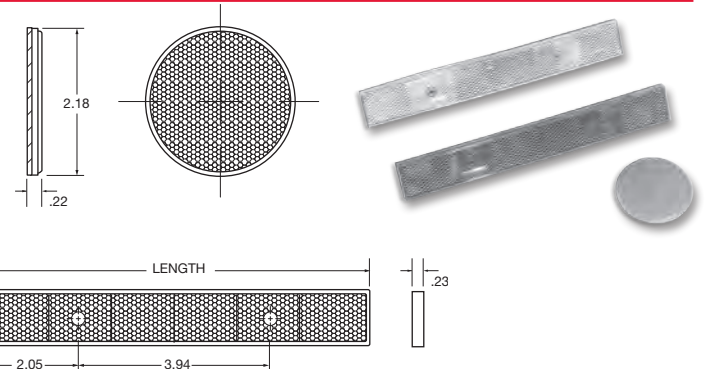
part no.	weight (lbs.)	pop. code	description
031-01263	14.38	A	right angle
031-01264	14.50	A	shortie right angle

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64

# Conspicuity Reflectors

## FEATURES

- Meets DOT-2 conspicuity law in a variety of applications
- Can be used with reflector holders or independently
- Round reflectors can be attached with adhesive backing
- Rectangular reflectors can be attached with either adhesive backing or with self-taping stainless steel screws through existing holes



## ORDER DETAILS

- Part numbers represent one reflector
- Fastener packaged set consists of 12 stainless steel screws

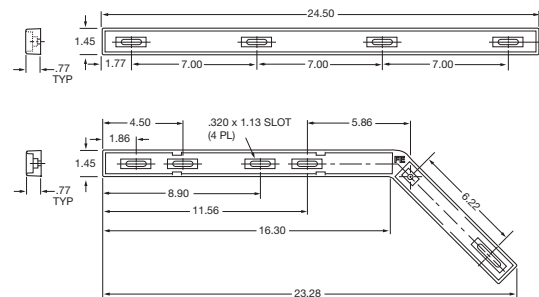
## SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	color	length (in.)	cross reference
033-04995	.065	A	rectangle reflector	white	8.03	#2008WP, 2008WS
033-04994	.065	A	rectangle reflector	red	8.03	#2008RP, 2008RS
033-04682	.13	A	reflector holder		16.00	
031-01515	.02	A	round reflector	red	-	
031-00098	.01	A	fastener kit	-	-	
031-01500	.40	A	straight reflector set	4 red, 2 white (enough for 2 holders)		

# Conspicuity Reflector Holders

## FEATURES

- Strong black plastic construction
- Can be used in a variety of applications: attached to mud flap brackets, used on back of tractor, or on trailers
- To be used with 8.00" reflectors (above)
- Slot arrangement on straight holders conforms to TTMA flap pattern
- Shortie reflector holders fit bar stock, FB-27 brackets and some other brands



## ORDER DETAILS

- Part numbers represent one reflector holder
- Fastener packaged set consists of four stainless steel bolts, four nuts, and four washers (one set needed per holder)

## SPECIFICATIONS FOR STRAIGHT HOLDERS

part no.	wt. (lbs.)	pop. code	description	opening length (in.)	8.00" reflectors required
033-04683	.49	A	reflector holder	24.00	3
031-00999	.10	A	stainless steel fastener packaged set		

## SPECIFICATIONS FOR SHORTIE HOLDERS

part no.	wt. (lbs.)	pop. code	description	application
033-04684	.55	A	reflector holder	right - curbside
033-04685	.55	A	reflector holder	left - roadside
031-00999	.10	A	stainless steel fastener packaged set	



## P.O.P. Reflectors/holders

### FEATURES

- Attractive point-of-purchase display product
- Can be used with any straight or shortie, bar or spring loaded mud flap brackets
- Holders are made of strong black plastic construction with tabs to hold reflectors securely in place
- Enough for one pair of mud flap brackets

### ORDER DETAILS

- Each packaged set includes two reflector holders, two white reflectors, four red reflectors and stainless steel hardware (eight bolts, eight nuts, eight square washers and eight round washers)
- Brackets not included. See page 70 for reflectors/holders with brackets



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	bracket type	cross reference
<b>031-01275</b>	1.52	A	straight	#2800
<b>031-01276</b>	1.65	A	shortie	#2845

Part #031-01275 shown on a bar bracket (top) and part #031-01276 shown on a Shortie FB-27 - brackets not included with this item. See page 70 to order this product with brackets.

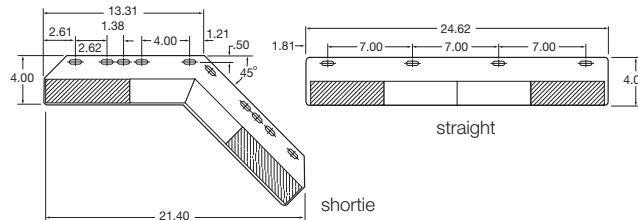
## Universal Conspicuity Plates

### APPLICATION

- Can be used with any straight, shortie, bar or spring loaded bracket

### FEATURES

- Available in aluminum, black E-coated aluminum, or stainless steel
- Reflective tape attached
- Universal, use either on roadside or curbside



### ORDER DETAILS

- Part number represents one plate

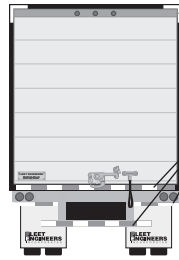
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	bracket type	construction	application	cross reference
<b>033-04259</b>	.60	A	straight	aluminum	roadside OR curbside	RT25, JK2800
<b>033-04263</b>	.57	A	shortie	aluminum	roadside OR curbside	RT35, JK2845
<b>033-05040</b>	.60	A	straight	black RoadKote®	roadside OR curbside	
<b>033-05041</b>	.57	A	shortie	black RoadKote®	roadside OR curbside	
<b>033-05042</b>	1.67	A	straight	stainless steel	roadside OR curbside	
<b>033-05043</b>	1.55	A	shortie	stainless steel	roadside OR curbside	

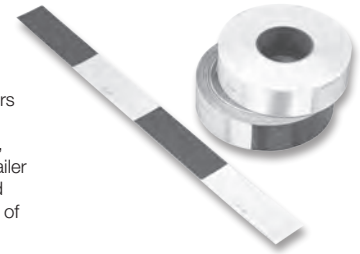
## DOT-C2 Reflective Tape

### FEATURES

- DOT-C2 certified, exceeds NHTSA requirements
- Highly reflective, even up to a 900 angle
- Available in red and white roll, all white roll or red and white strip
- Quick and easy to apply



- White conspicuity markings must be as close to the top and outer edges as possible
- Red and white tape or reflectors must be applied to horizontal hangers supporting mud flaps, on the rear and sides of the trailer 14.75" - 60" above the ground and on the horizontal member of the underride protection.



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length
997-75000	0.02	A	strip	24" x 2" / 6" red x 6" white pattern
997-75003	3.83	A	roll	150 feet / 6" red x 6" white pattern
997-75004	3.83	A	roll	150 feet / 11" white x 7" red pattern
997-75005	3.83	A	roll	150 feet / all white

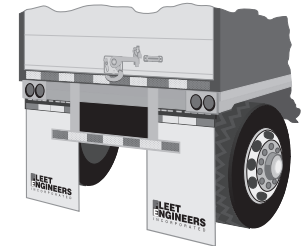
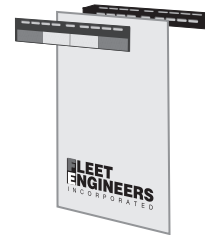
## Mud Flap Retaining Strap With Reflective Tape

### FEATURES

- E-coat black primed steel
- .12" thick, heavy-duty steel construction
- Holds mud flap securely in place while meeting requirements of conspicuity law

### ORDER DETAILS

- Use with mounting angle part number 033-00051 (below)



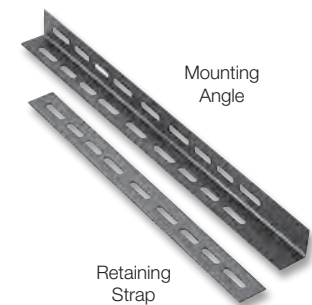
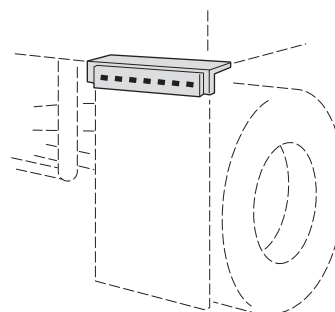
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	dimension (in.)	description	application
033-04675	2.90	A	2.00 x 24.00	one piece	use with mounting angle 033-00051

## Mud Flap Mounting Angle and Retaining Strap

### FEATURES

- .12" thick, heavy-duty steel construction
- Black primer finish



### SPECIFICATIONS

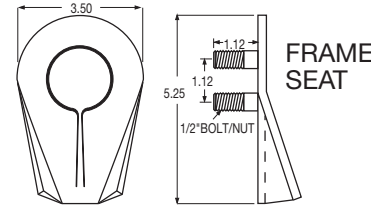
part no.	weight (lbs.)	pop. code	dimension (in.)	description	cross reference
033-00051	3.40	A	2.00 x 2.00 x 27.50	mounting angle	#07-50
033-00053	1.40	A	2.00 x 24.00	retaining strap	#07-50-1



# FB-27 Spring Loaded Brackets

## APPLICATION

- When mounted directly to the truck frame use the 30.25" Frame Mount bracket. If possibility of bracket extending past the outside edge of the tire when using a frame mounting adapter, order the Standard 28.00" or smaller FB-27 Bracket.



## FEATURES

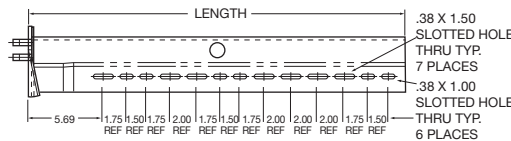
- Heavy-duty construction
- Patented seat design eliminates wind-caused bracket rotation
- Reduces flap and bracket damage
- Ideal for the heavy-duty spray suppression flaps
- Slot arrangement conforms to TTMA flap hole pattern for straight brackets
- Frame Mount Straight and Shortie have larger size for flap retention to tires outer edge

**Note:** The FB-27 Spring Loaded Brackets on pages 74 and 75 do not contain conspicuity tape which is required to meet conspicuity requirements in North America. For parts that have conspicuity tape already attached see pages 66-69. To conform to conspicuity requirements using reflector holders or plate, see pages 70-72.

## ORDER DETAILS

- Packaged set part number represents two brackets, mounting hardware, and end caps (033-00257 does not have end caps)

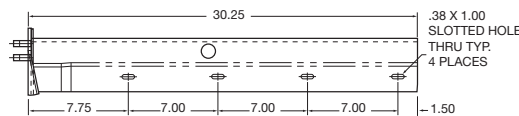
## STANDARD FB-27 SPRING LOADED BRACKETS



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	may be replaced by part no.*	cross reference
033-00270	18.25	A	28.00	RoadKote® (black E-coat)	033-00868	#BF-28P-Kit
033-00271	15.85	B	20.50	RoadKote® (black E-coat)	n/a	
033-00272	17.26	B	24.50	RoadKote® (black E-coat)	n/a	
033-00277	17.70	A	28.00	polished stainless steel	033-00870	#BF-28SS-Kit

## FRAME MOUNT FB-27 SPRING LOADED BRACKETS

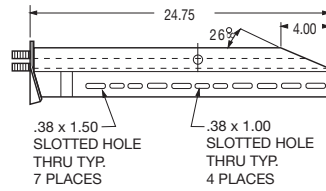


## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction	cross reference
033-00868	19.31	A	30.25	RoadKote® (black E-coat)	#B27, #B57NT, #BF30P-Kit
033-00870	18.85	A	30.25	polished stainless steel	#BF30SS-Kit

**NOTE:** Full contact must be maintained between frame seat and truck frame rail. See page 64

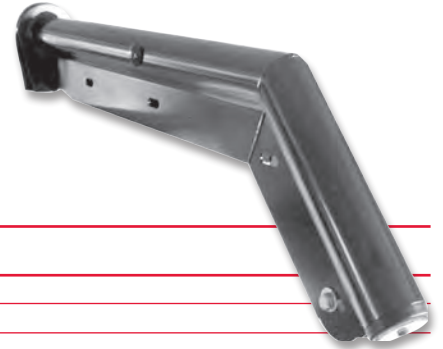
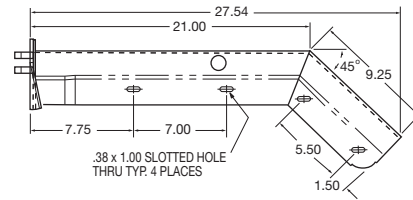
## 26° CUT FB-27 SPRING LOADED BRACKET



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	construction
033-00257	16.73	A	24.75	RoadKote® (black E-coat)

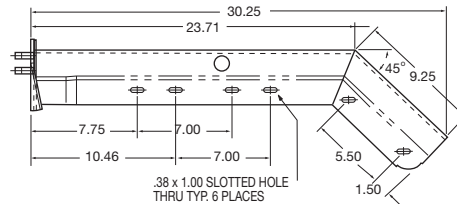
## SHORTIE FB-27 SPRING LOADED BRACKETS



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
033-00864	18.85	A	RoadKote® (black E-coat)	#SF3045P-Kit
033-00865	18.35	A	polished stainless steel	#SF3045SS-Kit

## FRAME MOUNT SHORTIE FB-27 SPRING LOADED BRACKETS



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
033-03404	20.65	A	RoadKote® (black E-coat)	#B37, #B67NT #SF3345P-Kit
033-04150	19.71	A	polished stainless steel	#SF3345SS-Kit

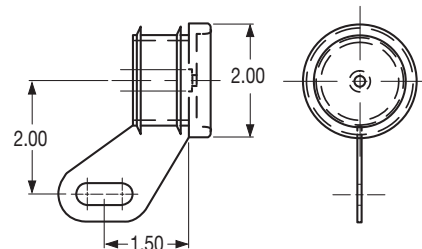
## Plastic End Cap for FB-27 Brackets

### FEATURES

- Stays securely in place with bolt through tab
- As an added benefit, the red reflector increases safety and looks great
- For use on all FB-27's and many other brands

### ORDER DETAILS

- Packaged set includes two end caps, two round red reflectors, and two plastic rivets (assembled) in a plastic bag



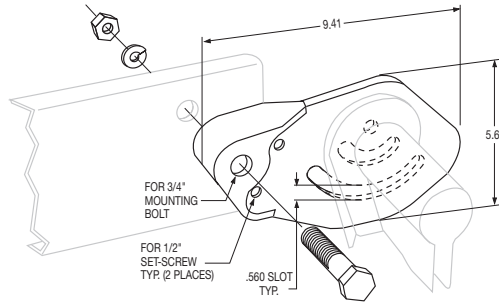
### SPECIFICATIONS

part no.	weight (lbs.)	popularity code
031-01269	.13	A

## Adjust-A-Mount®

### FEATURES

- Ability to offset spring loaded mud flap brackets 5.0" fore and aft, plus raise 4-15/16" and lower 3-9/16"
- For use on most brands, styles and for both 1.125" and 2.5" bolt centers
- Jamming set screws safely lock adapter in place



U.S. Patent #6,435,462,B2  
CAN. Patent #2,329,277

### ORDER DETAILS

- Packaged set consists of two adapters, two jamming set screws, two each 3/4" bolts, nuts, and lock washers, and four 1/2" flat washers

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish
031-01588	13.95	A	packaged set	RoadKote® (black E-coat)
033-04731	6.16	A	individual adapter	RoadKote® (black E-coat)

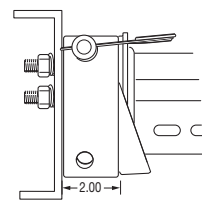
## FB-27 Removable Adaptor and Lock Pin

### APPLICATION

- Can be used with standard FB-27 and Shortie FB-27 models
- New hole pattern for use with wide bolt mud flap brackets

### FEATURES

- Heavy-duty steel construction
- Case hardened steel, .50" diameter, spring loaded lock pin
- Two convenient locations for padlock usage



### ORDER DETAILS

- Part number represents one bracket and hardware (lock pin, two bolts, nuts and washers)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
034-00416	4.60	A	adaptor bulk kit	black primed steel
031-00056	.43	A	lock pin	case hardened steel

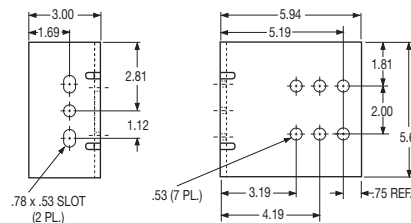
## Universal Mounting Adaptor

### APPLICATION

- Used in various bracket mounting applications

### ORDER DETAILS

- Part number represents one adaptor



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction
033-00374	3.20	A	black primed steel

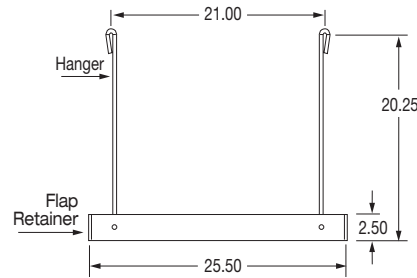
## Decorative and Standard Anti-Sail Brackets

### FEATURES

- Good point-of-purchase product
- Assembly required

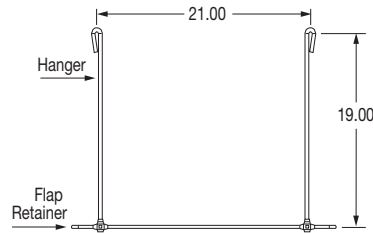
### ORDER DETAILS

- Part number represents single bracket only - enough for one mud flap
- Packaged set includes hangers, flap retainer, and hardware (carriage bolts and jam nuts)



### DECORATIVE ANTI-SAIL BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	hardware finish	max. flap thickness
033-05110	2.51	A	chrome	chrome	5/16"
033-05111	2.51	A	stainless steel	stainless steel	5/16"
033-05112	2.51	A	black E-coat	black E-coat	5/16"



### STANDARD ANTI-SAIL BRACKET SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	hardware finish	max. flap thickness
033-05125	1.82	A	chrome	chrome	3/8"
033-05126	1.82	A	stainless steel	stainless steel	3/8"
033-05127	1.82	A	black E-coat	black E-coat	3/8"

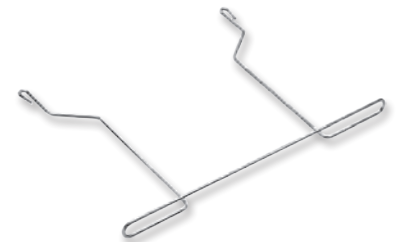
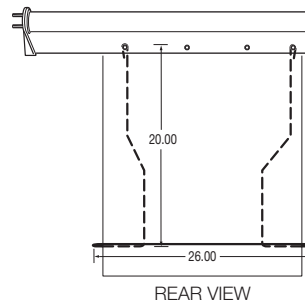
## Standard Anti-Sail Brackets - One Piece Design

### FEATURES

- Steel construction, black primed, stainless, galvanized or chrome finish
- All models made from .31" diameter wire
- .38" diameter mounting eyes
- Fits standard 24.00" wide mud flaps
- Accepts mud flaps up to 1.00" thick, including most spray suppression mud flaps

### ORDER DETAILS

- Part number represents single bracket only



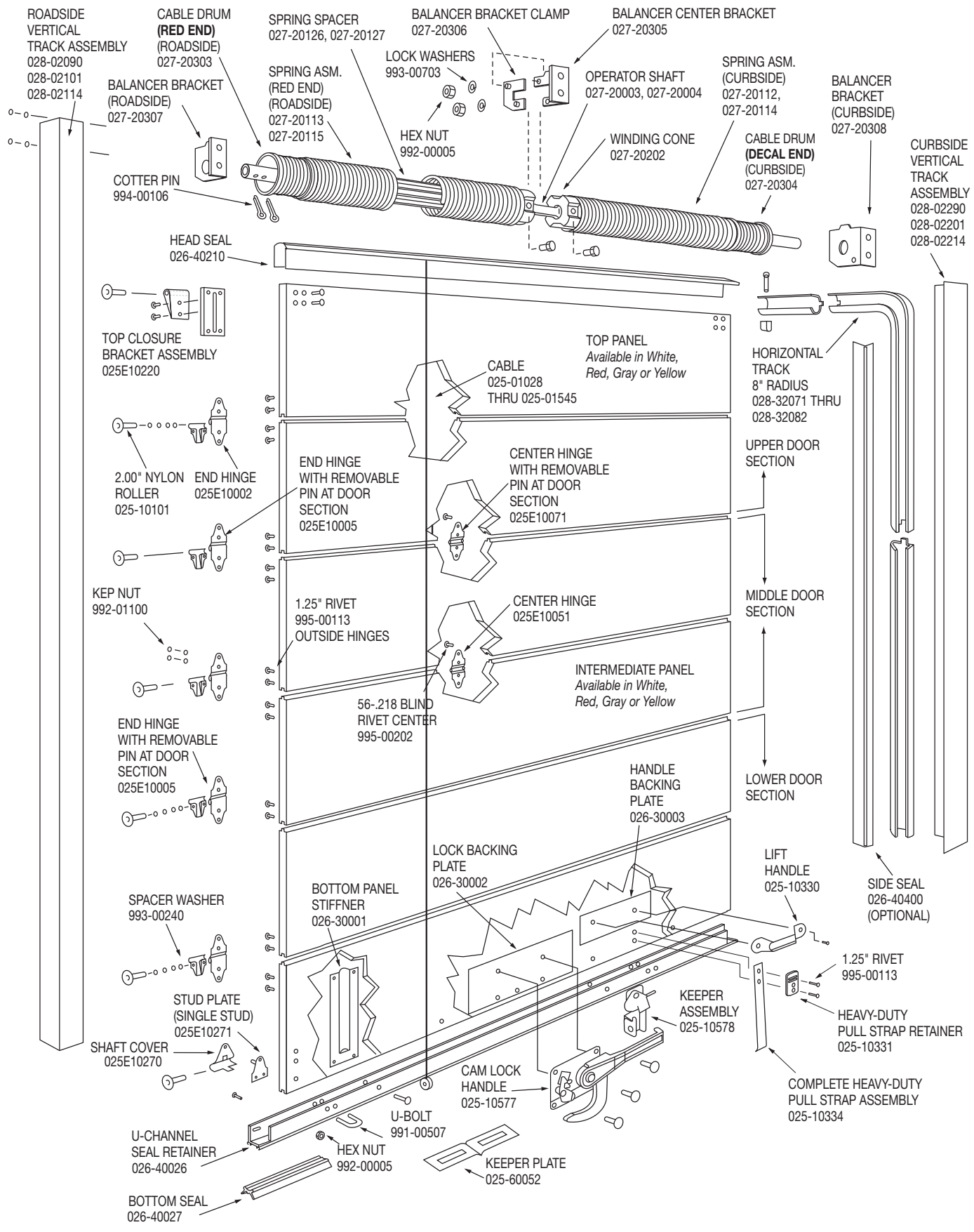
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	application
033-00076	1.80	A	single bracket	stainless steel	spring loaded and bar brackets
033-00078	1.80	A	single bracket	galvanized	spring loaded and bar brackets
033-00079	1.80	A	single bracket	black primed steel	spring loaded and bar brackets
033-00075	1.80	A	single bracket	chrome	spring loaded and bar brackets

# PolyTrak® Roll-Up Doors

DOOR SOLUTIONS

POLYTRAK® ROLL-UP DOORS





# PolyTrak® Roll-Up Doors

## FEATURES

- Engineered polymer, white, gray, yellow or red thru color
- UV stabilizer prevents discoloration
- Panels never need painting, color is molded in
- Galvanized steel reinforcement channels
- Unaffected by heat and cold: -92°F and +158°F (-69°C to 70°C)
- Panels and hardware are interchangeable with industry standard flush mount 2" rollers components
- Rivets are on the inside which allows for easy graphics application
- Repels moisture
- Designed to fit 2" track, uses 2.00" nylon roller
- Grooved cable drums prevent binding or premature wear
- Cables are visible for easy maintenance
- End hinges have removable covers to allow easy roller replacement
- Dual durometer side seals are included on complete door assemblies
- Complete doors use right angle channel mounting angle
- Exterior fasteners are all stainless steel
- Dual spring operator
- Cam lock assembly
- Adjustable top bracket assembly
- One-piece head seal



## ORDER DETAILS

- Doors custom manufactured to meet your exact specifications
- Doors packaged individually to prevent damage
- Includes all hardware, steel lock assembly, stainless steel 7 x 19, 1/4 eye cables, heavy-duty lift handle, and 18.00" pull strap assembly
- Universal Drop In (UDI) Doors and Complete-UDI Doors are shipped with hardware loose on one side. Complete Replacement Doors and Replacement Doors have all hardware attached; specify when ordering.

### Blind Rivets

never leave unsightly rust streaks because they are not exposed on the outside of the door. Provides a smooth surface for easy graphic installation.

### Interchangeable Components

if needed, standard W-Style hardware and panels can be used for a quick fix, reducing downtime

### Handle/Strap Backing Plate

keeps handle and strap tight and secure.

### Rubber Bottom Seal

creates a barrier to keep dirt and moisture out; keeping cargo clean and dry inside.

### Formed Panel Grooves

on the inside add strength and reduce weight, leaving the outside of the door smooth for graphics.

### Reinforced Channels

provide additional strength and eliminates unsightly sag.

### End Hinges with Removable Pin

make a PolyTrak door easier to install and speed up panel replacement.

### 10 Roller Ball 2" Door Rollers

provide smooth door operation extending the life of all door components.

### UV Protected Panels

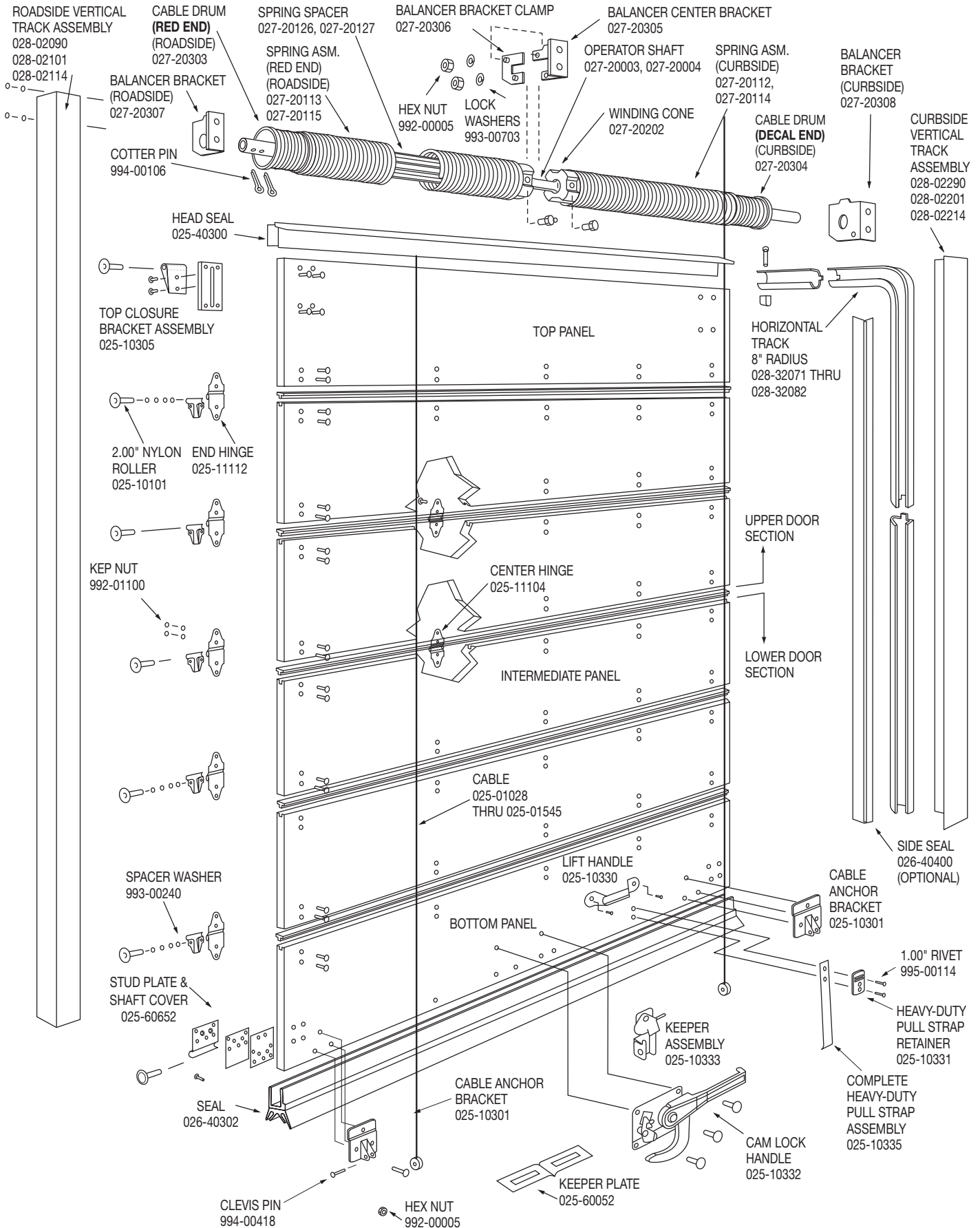
will not chip, fade or crack due to weather conditions.



# ToughTrak® Steel Clad Roll-Up Door

DOOR SOLUTIONS

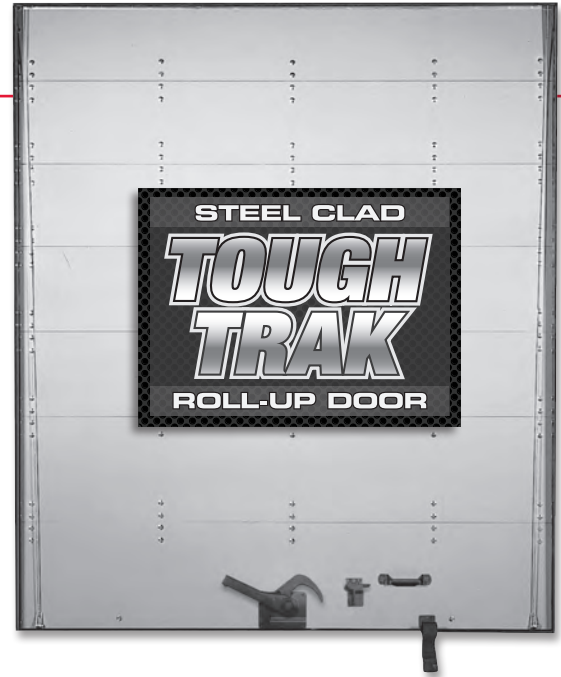
TOUGHTRAK® ROLL-UP DOORS



## ToughTrak® Steel Clad Roll-Up Door

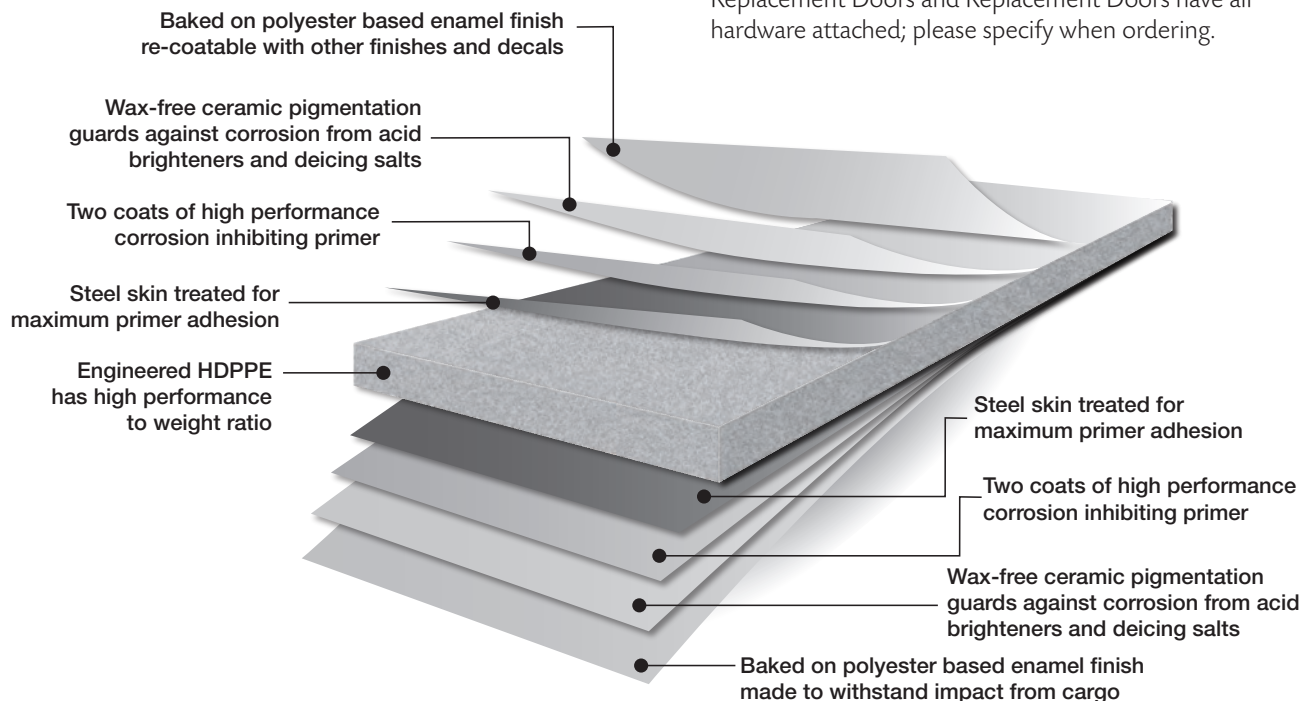
### FEATURES

- 1/2" (13mm) composite panel thickness
- High density polyethylene core
- Baked on white enamel finish, paintable panels
- Dual spring operator
- Cam lock assembly (025-10577 and 025-10578)
- Adjustable top bracket assembly
- One-piece head seal
- Tongue and groove joints
- Stainless steel rivets/E-coat/powder coated components
- E-coat/powder coated lock and keeper
- Cable drums are grooved to prevent cables from binding or wearing prematurely
- Uses 2.00" nylon roller
- One-piece flexible PVC bottom seal
- End hinges have removable covers to allow easy roller replacement
- Dual durometer side seals are included on complete door assemblies
- All hardware packaged and weighed to verify accuracy
- Complete doors use right angle channel mounting angle



### ORDER DETAILS

- Doors custom manufactured to meet exact specifications
- Doors packaged individually to prevent damage
- Includes all hardware, steel lock assembly with keeper plate, stainless steel 7 x 19, 1/4 eye cables, heavy-duty lift handle, and 18" pull strap assembly
- Universal Drop In (UDI) Doors and Complete-UDI Doors are shipped with hardware loose on both sides. Complete Replacement Doors and Replacement Doors have all hardware attached; please specify when ordering.

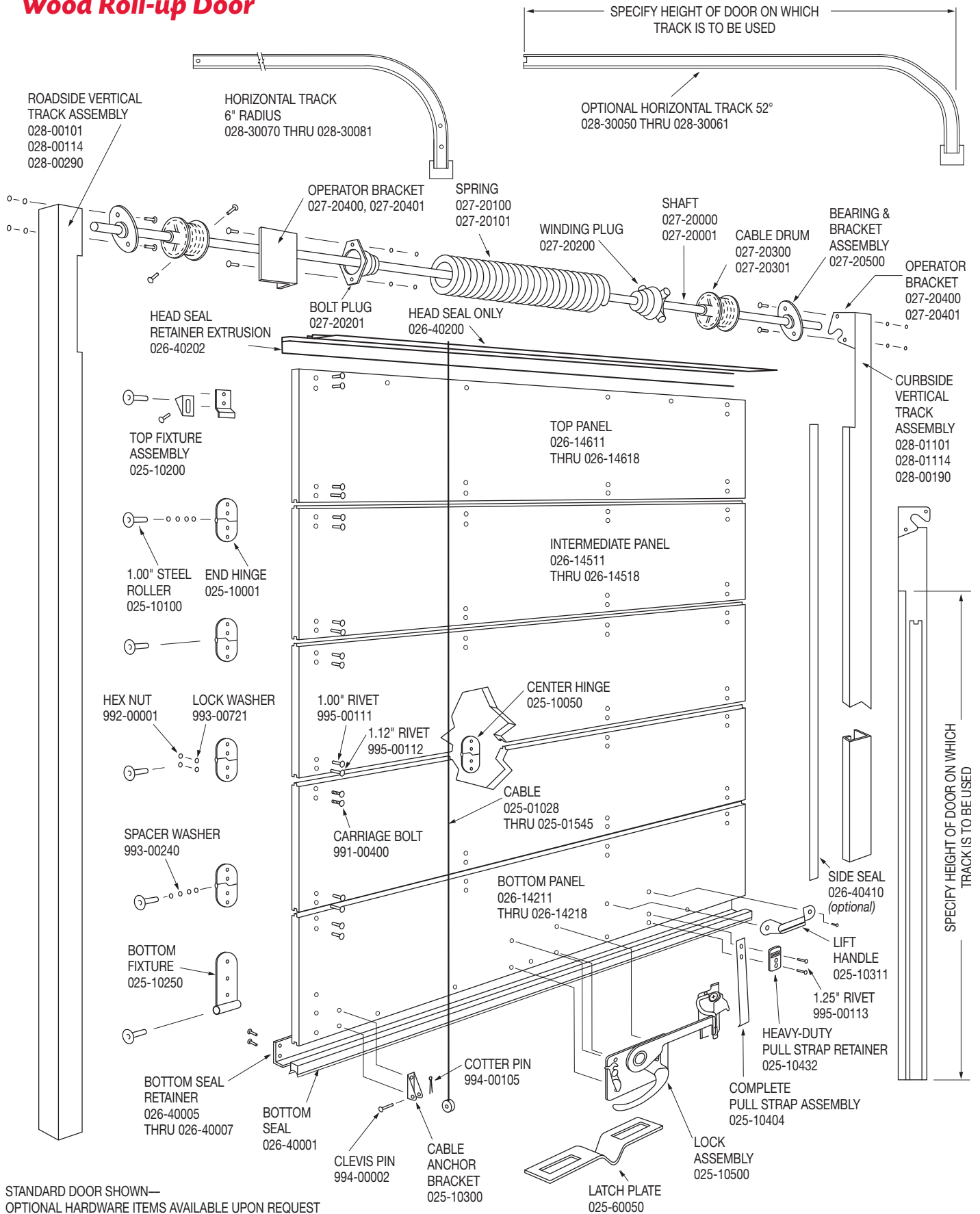


**TOUGHTRAK**  
TOUGH DOWN TO THE CORE

# PrecisionTrak® Recessed 1" Roller Wood Roll-up Door

DOOR SOLUTIONS

PRECISIONTRAK® ROLL-UP DOORS



## PrecisionTrak® Recessed 1" Roller Wood Roll-up Door

### FEATURES

- .75" thick, 7 ply, exterior grade, medium density plywood
- Standard doors have primer finish
- High gloss white finish coat available upon request
- Single counterbalanced spring operator with quick, easy adjustment
- Maximum strength, spring assisted steel lock eliminates door bounce
- Head seal retainer extrusion with removable rubber seal
- Cable drums are grooved to prevent cables from binding or wearing prematurely
- Interlocking tongue and groove door panels for a weather-tight joint and proper panel alignment
- Hinges are recessed to prevent freight hang-up and door damage
- Latch plate and side seals are available as an option (not included unless specified)
- Complete doors use J-Style channel mounting angle



### ORDER DETAILS

- Doors custom manufactured to meet exact specifications
- Doors packaged individually to prevent damage
- Includes all hardware, steel lock assembly, stainless steel 7 x 19, 1/4 eye cables, heavy-duty lift handle, and 18.00" pull strap assembly
- Universal Drop In (UDI) Doors and Complete-UDI Doors are shipped with hardware loose on one side, curbside. Complete Replacement Doors and Replacement Doors have all hardware attached; please specify when ordering.
- Doors of other sizes, as replacement or with options, contact Fleet Engineers for special part number and price

### UDI (UNIVERSAL DROP IN) DOORS - TRIM TO FIT SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width (in.)	height (in.)	cross reference
029-09090	188.00	B	90.00	90.00	T #99611-2, W General Purpose
029-90100	202.00	B	90.00	100.00	T #99610-2, W General Purpose
029-90105	208.00	B	90.00	105.00	T #99861-2, W General Purpose
029-90112	218.00	B	90.00	112.00	W General Purpose
029-98090	204.00	B	98.00	90.00	T #99835-2, W General Purpose
029-98100	219.00	B	98.00	100.00	T #99836-2, W General Purpose
029-98105	227.00	B	98.00	105.00	T #99837-2, W General Purpose
029-98107	230.00	B	98.00	107.00	W General Purpose
029-98112	238.00	B	98.00	112.00	T #99838-2, W General Purpose

### COMPLETE-UDI (UNIVERSAL DROP IN) DOORS - TRIM TO FIT SPECIFICATIONS

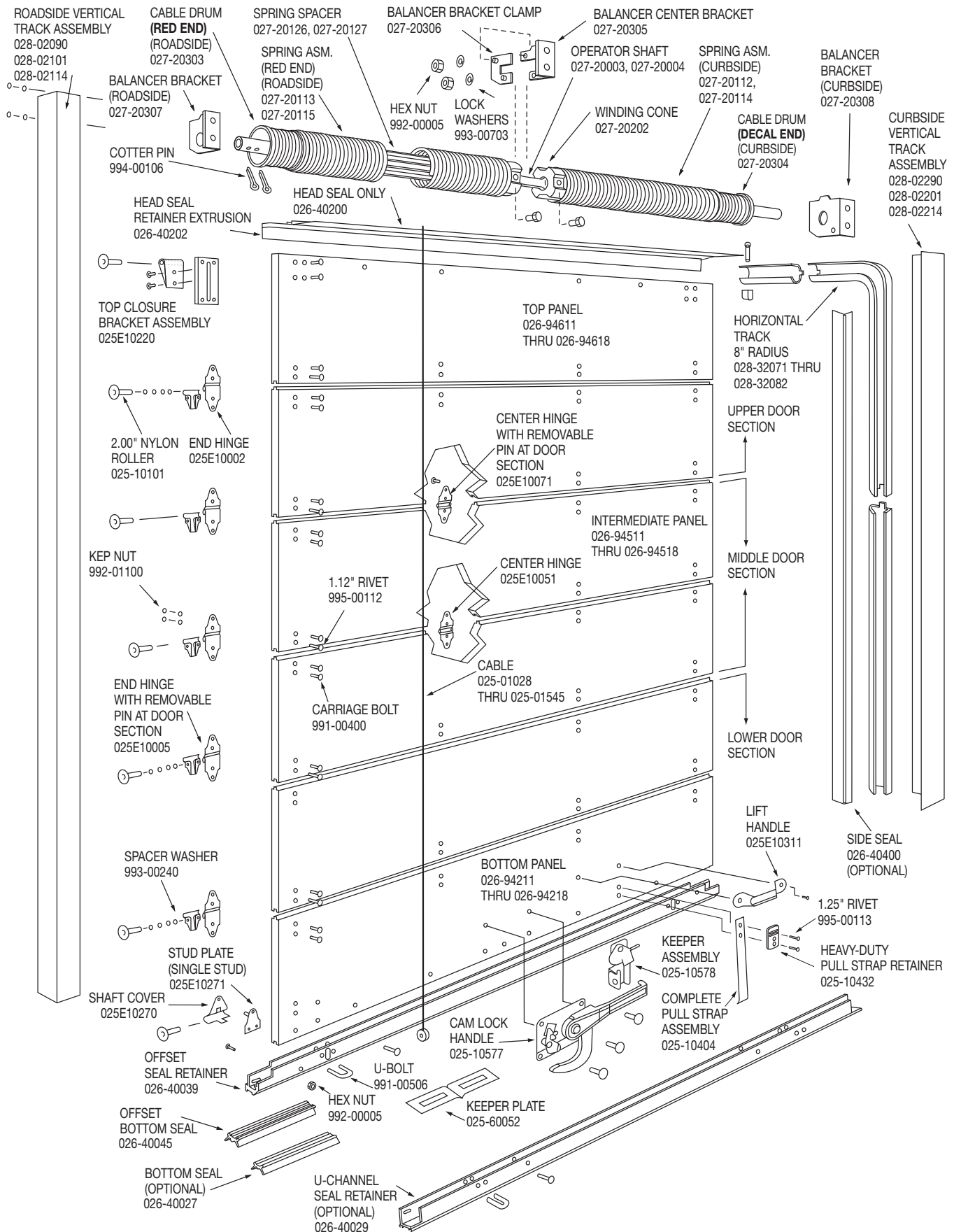
(Includes Vertical and Horizontal Track and Operator Assembly)

part no.	weight (lbs.)	pop. code	width (in.)	height (in.)	cross reference
029C09090	267.00	B	90.00	90.00	T #99611-1
029C90100	286.00	B	90.00	100.00	T #99610-1
029C90105	297.00	B	90.00	105.00	T #99861-1
029C90112	307.00	B	90.00	112.00	
029C98090	283.00	B	98.00	90.00	T #99835-1
029C98100	303.00	B	98.00	100.00	T #99836-1
029C98105	316.00	B	98.00	105.00	T #99837-1
029C98107	319.00	B	98.00	107.00	
029C98112	327.00	B	98.00	112.00	T #99838-1

# PrecisionTrak® Flush Mount 2" Roller Wood Roll-up Door

DOOR SOLUTIONS

PRECISIONTRAK® ROLL-UP DOORS





## PrecisionTrak® Flush Mount 2" Roller Wood Roll-up Door

### FEATURES

- .75" thick, 7 ply, exterior grade, medium density plywood
- Standard doors have primer finish
- High gloss white finish coat available upon request
- Dual spring operator
- Cam lock assembly (025-10577 and 025-10578) are attached on all doors
- Adjustable top bracket assembly
- Head seal retainer extrusion with removable rubber seal
- Cable drums are grooved to prevent cables from binding or wearing prematurely
- Uses 2.00" nylon roller
- Flexible PVC bottom seal with aluminum seal retainer
- End hinges have removable covers to allow easy roller replacement
- Dual durometer side seals are included on complete door assemblies
- Complete doors use right angle channel mounting angle



### ORDER DETAILS

- Doors custom manufactured to meet exact specifications
- Doors packaged individually to prevent damage
- Includes all hardware, steel lock assembly, stainless steel 7 x 19, 1/4 eye cables, heavy-duty lift handle, and 18.00" pull strap assembly
- Universal Drop In (UDI) Doors and Complete-UDI Doors are shipped with hardware loose on both sides. Complete Replacement Doors and Replacement Doors have all hardware attached; please specify when ordering
- Doors of other sizes, as replacement or with options, contact Fleet Engineers for special part number and price

### UDI (UNIVERSAL DROP IN) DOORS SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width (in.)	height (in.)
029-08090	190.00	B	90.00	90.00
029-08100	204.00	B	90.00	100.00
029-08105	210.00	B	90.00	105.00
029-08112	220.00	B	90.00	112.00
029-98290	204.00	B	98.00	90.00
029-98200	219.00	B	98.00	100.00
029-98205	227.00	B	98.00	105.00
029-98207	230.00	B	98.00	107.00
029-98212	238.00	B	98.00	112.00

### COMPLETE-UDI (UNIVERSAL DROP IN) DOORS SPECIFICATIONS

(Includes Vertical and Horizontal Track and Operator Assembly)

part no.	weight (lbs.)	pop. code	width (in.)	height (in.)
029C08090	269.00	B	90.00	90.00
029C08100	288.00	B	90.00	100.00
029C08105	299.00	B	90.00	105.00
029C08112	309.00	B	90.00	112.00
029C98290	283.00	B	98.00	90.00
029C98200	303.00	B	98.00	100.00
029C98205	316.00	B	98.00	105.00
029C98207	319.00	B	98.00	107.00
029C98212	327.00	B	98.00	112.00



**Date:** \_\_\_\_\_

**Sold To:** \_\_\_\_\_

**Ship To:** \_\_\_\_\_

**Contact:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**P.O. Number:** \_\_\_\_\_ **Qty.** \_\_\_\_\_

**STYLE:** \_\_\_\_\_ **PolyTrak® Roll-up Door** \_\_\_\_\_ **ToughTrak® Roll-up Door** \_\_\_\_\_ **PrecisionTrak® Recessed 1" Roller Door** \_\_\_\_\_ **PrecisionTrak® Flush Mount 2" Roller Door**

**Dimensions for Width**

A = opening width \_\_\_\_\_

B = track mounting width \_\_\_\_\_

C = side room \_\_\_\_\_

D = over the door \_\_\_\_\_

**D = A + 2.00"** for PolyTrak OR

**D = A + 2.25"** for all other doors \_\_\_\_\_

Please fill in all dimensions.  
If you have special conditions,  
please indicate above or  
attach an additional sketch  
for engineer review.

**Dimensions for Height**

E = opening height \_\_\_\_\_

F = header to roof bow (5.50" min.) \_\_\_\_\_

G = doorjam to floor (3.00" min.) \_\_\_\_\_

H = over the door height (E - .50") \_\_\_\_\_

**Overall Door Size (required):**

\_\_\_\_\_ Wide x \_\_\_\_\_ High  
(Available in .25" increments only)

**Door Options For All Style Doors - Fully Assembled Replacement Door**

\_\_\_\_ Replacement Door (Door only, fully assembled and manufactured to exact size)

\_\_\_\_ Complete Replacement Door (Fully assembled door, manufactured to exact size, with all tracking and operator assembly. Side seals included on Polytrak.)

\_\_\_\_ Inside release lock (available for 2" roller doors only)

**Additional UDI Door Options for Wood Doors Only**

\_\_\_\_ 2" Roller Universal Drop In Door: (Door only, hinges shipped loose on both sides)

\_\_\_\_ 1" Roller Universal Drop In Door: (Door only, hinges shipped loose on one side)

\_\_\_\_ 2" Roller Complete Door-UDI Format: (Hinges shipped loose on both sides with all tracking and operator assembly)

\_\_\_\_ 1" Roller Complete Door-UDI Format: (Hinges shipped loose on one side with all tracking and operator assembly)

**Options for PolyTrak Doors Only**

\_\_\_\_ Side Seals (included if replacement door)

\_\_\_\_ White \_\_\_\_ Gray \_\_\_\_ Yellow \_\_\_\_ Red

**Options for Wood Doors Only**

\_\_\_\_ Painted white (the outside side of door only)

\_\_\_\_ Side Seals - Type \_\_\_\_\_

\_\_\_\_ Heavy Duty package: 1" Roller doors only  
(heavy duty bottom fixtures and heavy duty bottom seal)

\_\_\_\_ Anti-corrosion package: 1" Roller replacement doors only  
(stainless steel door rivets and E-coat hinges)

\_\_\_\_ Anti-corrosion package: 2" Roller replacement doors only  
(stainless steel door rivets and E-coat hinges)

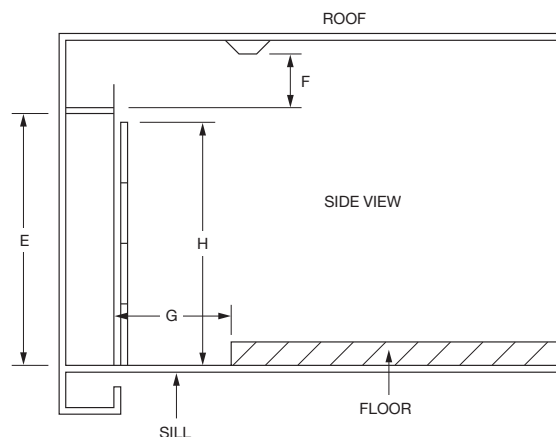
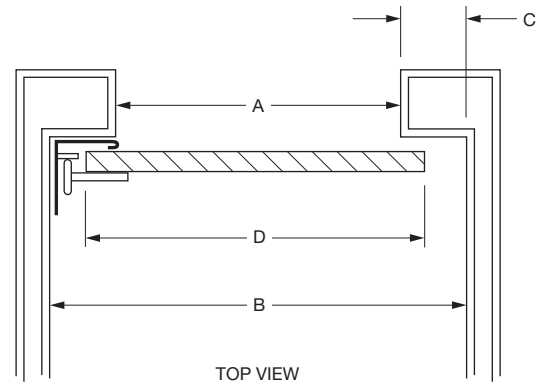
**Panels**

Unless otherwise specified, Fleet Engineers will determine panel configuration based on size of door.

**Conversion Options - All Doors (Optional Item)**

\_\_\_\_ 2" Width Conversion Kit with 7" header

\_\_\_\_ 2" Width Conversion Kit with 9" header



**SPECIAL INSTRUCTIONS**

**NOTICE: Custom doors (non-catalog) are non-returnable and order cannot be cancelled!**

**Authorized Signature**

Must be signed before order can be processed

DOOR SOLUTIONS

ROLL-UP DOOR ORDER FORM

## Glossary of Terms

**Universal Drop-In Door** - Intended to be trimmed to fit. Some components are shipped loose to allow for easy cut down.

Components include: right side (curbside) hinges, top fixture bracket, cable anchor bracket, and lock.

Operator and tracks are not included.

**Replacement Door** - A fully assembled door with all hinges, hardware and lock attached.

This door is made and assembled to the customer's exact size specifications where the customer does not intend to alter the size. Operator and tracks not included.

**Complete Door** - A fully assembled door the same as a replacement door with the addition of an operator kit which includes right-hand and left-hand vertical track and angle assemblies, right-hand and left-hand horizontal tracks and an operator assembly.

**Right Hand Side** - This is the curbside of a trailer or door assembly.

**Left Hand Side** - This is the roadside of a trailer or door assembly.

**Medium Density Plywood** - A 3/4" thick, 7-ply, top grade exterior plywood.

## General Information for Roll-up Doors

### TRACK

- 8" radius 2" track standard on all PrecisionTrak® Flush Mount, PolyTrak®, and ToughTrak® doors
- 6" radius 1" track standard on all PrecisionTrak® Recessed doors
- 107" long horizontal track is used on doors up to 96" high
- 120" long horizontal track is used on doors over 96" high unless specifically requested by the customer

### OPERATORS AND COMPONENTS

- Single spring operators are stocked in 89.50" and 96.00" lengths. On complete doors the shaft is cut the same length as the width of the door. The standard operator spring is 60.00" long. A 48.00" spring is used when the height of the door is less than 78.00". A 36.00" spring is used when the height of the door is less than 50.00".
- Operators for doors with 2" rollers (used on all PrecisionTrak® Flush Mount doors, PolyTrak, and ToughTrak) are a dual spring operator assembly. Single spring operators are available if specified by the customer. Operator shafts are stocked in 87.00", 93.00" and 96.00" lengths and come with flattened emboss in center and two cotter pin holes at one end. A 33.00" dual spring operator is used for doors 85.00" to 90.00" in height and 35.00" dual springs are used for doors 91.00" to 114.00" in height.
- Cable used on all doors is a 1/8" 7x19 stainless steel. The length of the cable is determined by the height of the door. The cable length must be no less than 10.00" more than the door height.
- Dual spring cable drums will hold up to 130" cable.

### PAINT

- All PrecisionTrak® panels come painted with grey primer as standard.
- High gloss white top coat is available upon request at an additional cost on all wood doors. Door panel and top coat finishes are applied to the outside only.
- Painting is not recommended on PolyTrak® doors.
- ToughTrak® panels are paintable, but are only offered in white enamel finish.

### PANELS

- Standard PrecisionTrak® Recessed panel heights are 11.00", 12.00", 13.00", 15.00" and 18.00". Special panel heights are available upon request. The most popular bottom panel is 15.00". The most popular intermediate panel is 15.00", followed by 11.00" or 12.00".
- Standard PrecisionTrak® Flush Mount panel heights are 11.50" and 15.50". Special panel heights are available upon request.
- Standard ToughTrak® panel heights are 12.00" and 15.00". Special panel heights available upon request.
- Standard PolyTrak® panel heights 12.00" and 15.00".
- Unless otherwise specified, doors are assembled with smaller panels at the top and larger panels at the bottom to make the door easier to open.
- Listed are common door heights and standard panel size combinations.

## Door Height and Panel Size

### PolyTrak® Doors

Door Height	Bottom Panel	Intermediate Panels	Top Panel
75"	15.00"	(4) 12.00"	12.00"
80"	15.00"	(2) 15.00"	(2) 12.00"
85"	15.00"	(4) 15.00"	10.00"
90"	15.00"	(4) 15.00"	15.00"
95"	15.00"	(3) 15.00"	(2) 12.00"
96"	15.00"	(3) 15.00"	(2) 12.00"
100"	15.00"	(5) 15.00"	10.00"
105"	15.00"	(5) 15.00"	15.00"
110"	15.00"	(4) 15.00"	(2) 12.00"
114"	15.00"	(5) 15.00"	(1) 12.00"

### ToughTrak® Doors

75"	15.00"	(4) 12.00"		12.00"
80"	15.00"	(2) 15.00"	(2) 12.00"	11.00"
85"	15.00"	(4) 15.00"		10.00"
90"	15.00"	(4) 15.00"		15.00"
95"	15.00"	(3) 15.00"	(2) 12.00"	11.00"
96"	15.00"	(3) 15.00"	(2) 12.00"	12.00"
100"	15.00"	(5) 15.00"		10.00"
105"	15.00"	(5) 15.00"		15.00"
110"	15.00"	(4) 15.00"	(2) 12.00"	11.00"
114"	15.00"	(5) 15.00"	(1) 12.00"	12.00"

### PrecisionTrak® Recessed Doors

75"	15.00"	(4) 12"		12.00"
80"	15.00"	(2) 15"	(2) 12.00"	11.00"
85"	12.00"	(4) 15"		13.00"
90"	15.00"	(4) 15"		15.00"
95"	15.00"	(2) 15"	(3) 12.00"	14.00"
96"	15.00"	(3) 15"	(2) 12.00"	12.00"
100"	15.00"	(5) 15"		10.00"
105"	15.00"	(5) 15"		15.00"
110"	15.00"	(3) 15"	(3) 12.00"	14.00"
114"	15.00"	(4) 15"	(2) 12.00"	15.00"

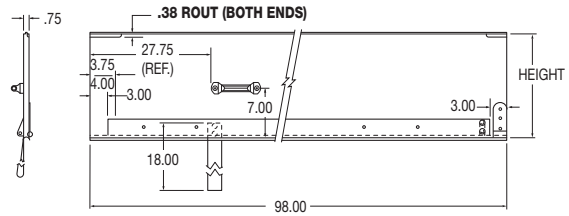
### PrecisionTrak® Flushmount Doors

75"	15.50"	(3) 15.50"		13.00"
80"	15.50"	(2) 15.50"	(2) 11.50"	10.50"
85"	15.50"	(3) 15.50"	(1) 11.50"	11.50"
90"	15.50"	(4) 15.50"		12.50"
95"	15.50"	(3) 15.50"	(2) 11.50"	10.00"
96"	15.50"	(3) 15.50"	(2) 11.50"	11.00"
100"	15.50"	(4) 15.50"	(1) 11.50"	11.00"
105"	15.50"	(5) 15.50"		12.00"
110"	15.50"	(3) 15.50"	(3) 11.50"	13.50"
114"	15.50"	(4) 15.50"	(2) 11.50"	13.50"

# 98" Bottom Panels for PrecisionTrak® Recessed 1" Roller Wood Doors

## FEATURES

- These panels are cut to an extra wide width to fit wider vehicle applications.
- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- Panels are routed and shipped without holes unless specified
- .75" thick, 7 ply, exterior grade, medium density plywood
- Primer finish



## ORDER DETAILS

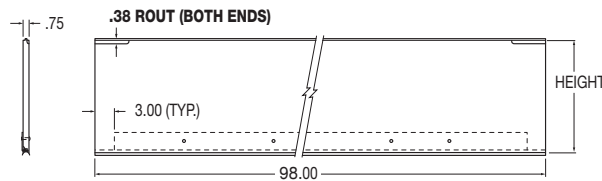
- High gloss white finish coat available upon request (when ordering, substitute letter **CW** in place of dash - example: 026CW14221)
- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request
- Bottom panels include 18.00" pull strap assembly, two bottom fixtures, standard lift handle, two cable anchor brackets, seal, and retainer (curbside hardware shipped loose)



## BOTTOM PANELS WITH HARDWARE

part no.	weight (lbs.)	pop. code	height x width (in.)
026-14221	26.78	B	11.00 x 98.00
026-14222	27.82	B	12.00 x 98.00
026-14223	29.86	B	13.00 x 98.00
026-14225	31.96	B	15.00 x 98.00
026-142255	32.00	B	15.50 x 98.00

## 98" BOTTOM PANELS WITH SEAL AND RETAINER ONLY FOR PRECISIONTRAK® RECESSED 1" ROLLER DOORS



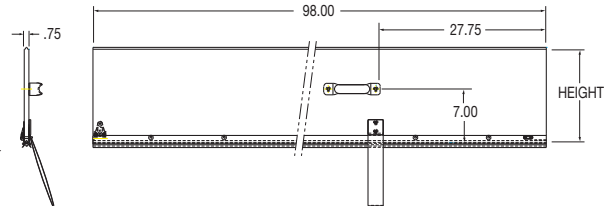
part no.	weight (lbs.)	pop. code	height x width (in.)
026-14321	24.90	B	11.00 x 98.00
026-14322	25.94	B	12.00 x 98.00
026-14323	27.99	B	13.00 x 98.00
026-14325	30.08	B	15.00 x 98.00
026-143255	30.58	B	15.50 x 98.00



# 98" Bottom Panels for PrecisionTrak® Flush Mount 2" Roller Wood Doors

## FEATURES

- These panels are cut to an extra wide width to fit wider vehicle applications.
- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- Panels have no routs and shipped without holes unless specified
- .75" thick, 7 ply, exterior grade, medium density plywood
- Primer finish



## ORDER DETAILS

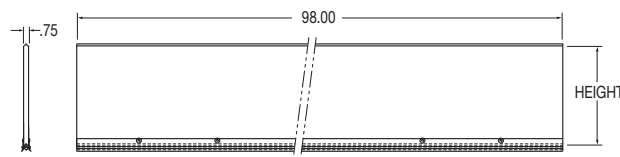
- High gloss white finish coat available upon request (when ordering, substitute letter **CW** in place of dash - example: 026CW14221)
- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request
- Panels include 18.00" pull strap assembly, two bottom roller shaft covers and stud plates, standard lift handle, two u-bolts, flexible PVC bottom seal and aluminum seal retainer (curbside hardware shipped loose)



## BOTTOM PANELS WITH HARDWARE

part no.	weight (lbs.)	pop. code	height x width (in.)
026-94221	26.78	B	11.00 x 98.00
026-94222	27.82	B	12.00 x 98.00
026-94223	29.86	B	13.00 x 98.00
026-94225	31.96	B	15.00 x 98.00
026-942255	32.00	B	15.50 x 98.00

## 98" BOTTOM PANELS WITH SEAL AND RETAINER ONLY FOR PRECISIONTRAK® FLUSH MOUNT 2" ROLLER DOORS



part no.	weight (lbs.)	pop. code	height x width (in.)
026-94321	24.90	B	11.00 x 98.00
026-94322	25.94	B	12.00 x 98.00
026-94323	27.99	B	13.00 x 98.00
026-94325	30.08	B	15.00 x 98.00
026-943255	30.58	B	15.50 x 98.00



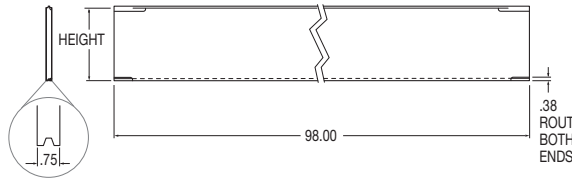
## 98" Intermediate Panels for PrecisionTrak® Doors

### APPLICATION

- Panels cut extra wide for wider vehicles.

### FEATURES

- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- .75" thick, 7 ply, exterior grade, medium density plywood
- Primer finish



Routed style shown for recessed 1" roller doors

### ORDER DETAILS

- High gloss white finish coat available upon request (when ordering, substitute letter **CW** in place of dash - example: 026CW14221)
- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request

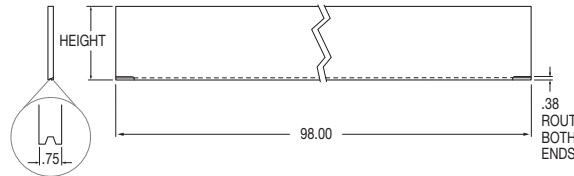
### INTERMEDIATE PANELS

ROUTED 1" roller part no.	NON-ROUTED 2" roller part no.	wt. (lbs.)	pop. code	height x width (in.)
<b>026-14521</b>	<b>026-94521</b>	16.52	B	11.00 x 98.00
	<b>026-945215</b>	17.00	B	11.50 x 98.00
<b>026-14522</b>	<b>026-94522</b>	17.56	B	12.00 x 98.00
<b>026-14523</b>	<b>026-94523</b>	19.61	B	13.00 x 98.00
<b>026-14525</b>	<b>026-94525</b>	21.71	B	15.00 x 98.00
<b>026-145255</b>	<b>026-945255</b>	22.50	B	15.50 x 98.00

## 98" Top Panels for PrecisionTrak® Doors

### FEATURES

- These panels are cut to an extra wide width to fit wider vehicle applications.
- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- .75" thick, 7 ply, exterior grade, medium density plywood
- Primer finish



Routed style shown for recessed 1" roller doors

### ORDER DETAILS

- High gloss white finish coat available upon request (when ordering, substitute letter **CW** in place of dash - example: 026CW14221)
- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request

### TOP PANELS

ROUTED 1" roller part no.	NON-ROUTED 2" roller part no.	wt. (lbs.)	pop. code	height x width (in.)
<b>026-14621</b>	<b>026-94621</b>	16.52	B	11.00 x 98.00
<b>026-14622</b>	<b>026-94622</b>	17.56	B	12.00 x 98.00
<b>026-14623</b>	<b>026-94623</b>	19.61	B	13.00 x 98.00
<b>026-14625</b>	<b>026-94625</b>	21.71	B	15.00 x 98.00
<b>026-146255</b>	<b>026-946255</b>	22.50	B	15.50 x 98.00

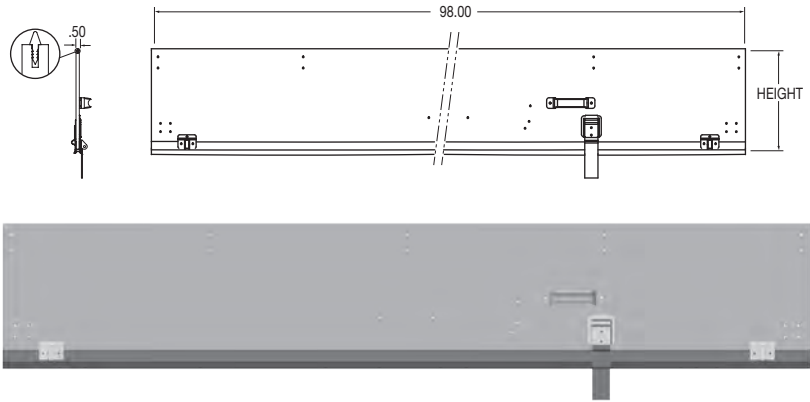
## 98" Bottom Panels for ToughTrak® 1/2" Composite Doors

### FEATURES

- These panels are cut to an extra wide width to fit wider vehicle applications.
- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- 1/2" thick composite panels with high density polyethylene core
- Baked on white enamel finish

### ORDER DETAILS

- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request



### BOTTOM PANELS WITH HARDWARE

part no.	weight (lbs.)	pop. code	height x width (in.)
030-94221	24.70	B	11.00 x 98.00
030-94222	26.45	B	12.00 x 98.00
030-94223	28.20	B	13.00 x 98.00
030-94225	31.71	B	15.00 x 98.00
030-942255	32.59	B	15.50 x 98.00

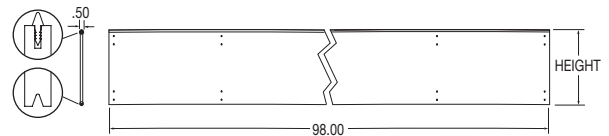
## 98" Intermediate Panels for ToughTrak® 1/2" Composite Doors

### FEATURES

- These panels are cut to an extra wide width to fit wider vehicle applications.
- Interlocking tongue and groove design for weather-tight joint and proper panel alignment.
- 1/2" thick composite panels with high density polyethylene core
- Baked on white enamel finish

### ORDER DETAILS

- Standard panel width may vary from 97.00" to 98.00"
- Other panel widths available upon request



part no.	weight (lbs.)	pop. code	height x width (in.)
030-94521	19.30	B	11.00 x 98.00
030-94522	21.05	B	12.00 x 98.00
030-94523	22.80	B	13.00 x 98.00
030-94525	26.31	B	15.00 x 98.00
030-945255	27.19	B	15.50 x 98.00



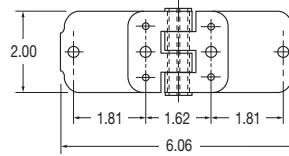
## End Hinge for 1" Rollers

### APPLICATION

- "Four-knuckled" hinges promote smooth door operation

### FEATURES

- Steel construction
- Zinc plated or E-coat finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
<b>025-10001</b>	.39	A	zinc	T #69035, T #59123, W #4007, 220000
<b>025E10001</b>	.39	B	E-coat	T #69035, T #59123, W #4007

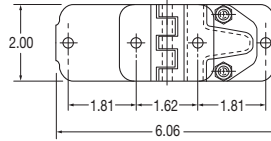
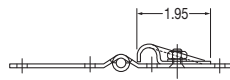
## End Hinge with Removable Cover for 1" Rollers

### APPLICATION

- Removable cover allows roller change without complete hinge removal

### FEATURES

- Steel construction
- Black E-coat finish



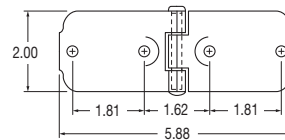
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
<b>025E10324</b>	.46	A	E-coat	T #70311
<b>025E10320</b>	.110	B	E-coat	

## Center Hinge for PrecisionTrak® Recessed 1" Roller Doors

### FEATURES

- Steel construction
- Zinc plated or E-coat finish



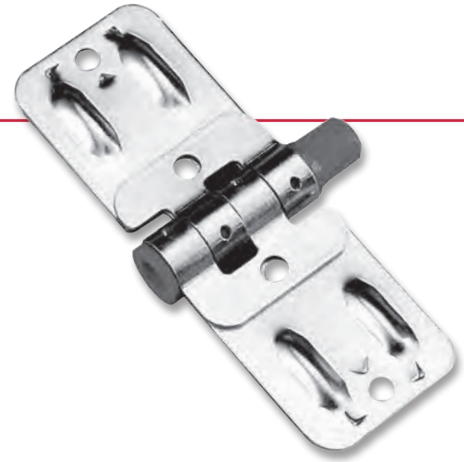
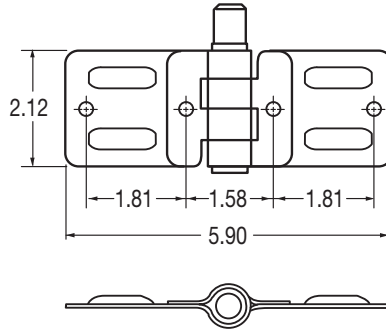
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
<b>025-10050</b>	.31	A	zinc	T #61196, T #59126, W #4012, 220100
<b>025E10050</b>	.31	B	E-coat	

## Spring Loaded Self-Centering End Hinge for PrecisionTrak® Recessed 1" Roller Doors

### APPLICATION

- The self-centering hinge system acts as a mini shock absorber. The spring adjusts the roller to the movement of the vehicle and compensates for road conditions creating a smoother ride for the door and prolonging door system life



U.S. Patent # 6,081,966  
CAN. Patent # 2,289,825

### FEATURES

- The composite bushing contains an internal compression spring which maintains a constant pressure on the roller and assists in centering and squaring the door during daily operation
- The spring loaded composite bushing minimizes racking of the door and also keeps the hinge movement working freely
- Heavy-duty steel construction and durable composite bushing for long life
- Interchangeable with traditional end hinges (hinge location may need adjustment depending on edge of door to track dimensions for proper spring movement. Consult the factory for specific application requirements)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish
025-10011	.44	A	zinc

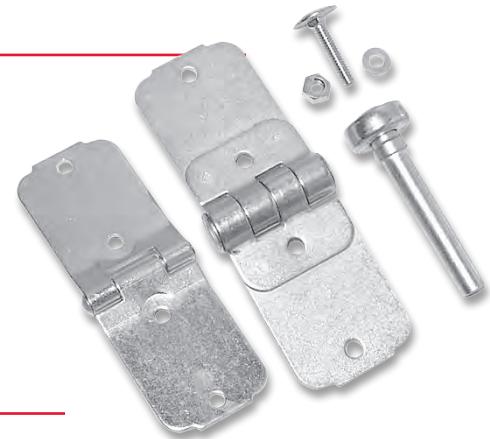
## Replacement Hardware Set for 1" Roller Doors

### FEATURES

- Zinc plated finish

### ORDER DETAILS

- Packaged set consists of two 1" door rollers, two end hinges, two center hinges, and hardware (sixteen nuts, sixteen washers, and sixteen bolts)



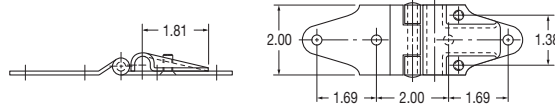
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
025-60006	2.25	A	replacement hardware package set

## End Hinge and Roller Cover for 2" Rollers

### FEATURES

- Steel construction
- E-coat finish
- Removable cover allows roller change without hinge removal



### SPECIFICATIONS

part no.	wt. (lbs.)	pop.code	description	finish	cross reference
992-01100	.01	A	1/4"-20 kep nut	zinc	W #10-1022-1, T #80352
025E10002	.48	B	hinge, roller cover and kep nuts	E-coat	W #1209, T #70162
025E10003	.14	C	cover only	E-coat	W #1208, T #70161
025E10004	.32	C	hinge only	E-coat	W #1207, T #70160
025-11112	.48	A	heavy-duty hinge, roller cover and kep nuts	E-coat/ powder coat	
025-10009	.49	A	hinge, roller cover and kep nuts	stainless steel	W #1209-1ASM
025-10286	.14	C	cover only	stainless steel	W #1208-1
992-00701	.01	A	1/4"-20 kep nut	stainless steel	W #10-1022-1, T #80352

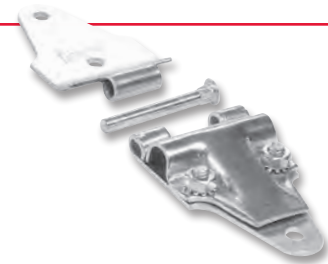
## End Hinge With Removable Pin for 2" Rollers

### FEATURES

- Easier to assemble two halves of a door or to replace panels
- Steel construction
- E-coat finish

### ORDER DETAILS

- Hinge packaged set consists of two hinge halves and one knurled pin



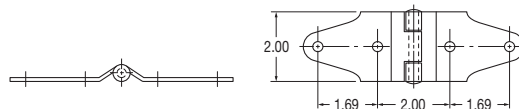
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	qty	finish
025E10005	.48	B	hinge packaged set	1	E-coat
025-60007	1.46	A	pin packaged set	50	zinc

## Center Hinge for Flush Mount 2" Roller Doors

### FEATURES

- Steel construction
- E-coat, stainless steel or heavy-duty E-coat/powder coat finish



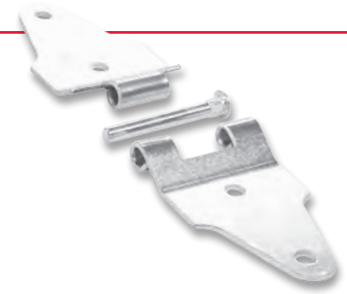
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
025E10051	.29	B	E-coat	W #15, T #70159
025-10052	.30	A	stainless steel	W #15-1
025-11104	.29	A	heavy-duty E-coat/powder coat	-

## Unassembled Center Hinge With Removable Pin for Flush Mount 2" Roller Doors

### FEATURES

- Easier to assemble two halves of a door or to replace panels
- Steel construction
- Zinc plated or E-coat finish
- Pin packaged set consist of quantity of 50



### ORDER DETAILS

- Hinge packaged set consists of two hinge halves and one knurled pin

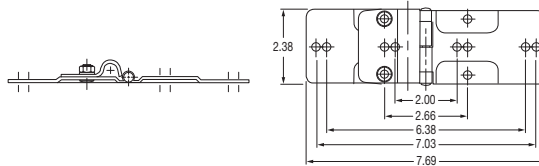
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish
025E10071	.29	B	hinge packaged set	E-coat
025-60007	1.46	A	pin packaged set (qty. 50)	zinc

## Universal Flush Mount End Hinge

### FEATURES

- Eliminates routing of panels for easier installation
- Removable cover allows roller change without hinge removal
- Steel construction
- Zinc plated finish



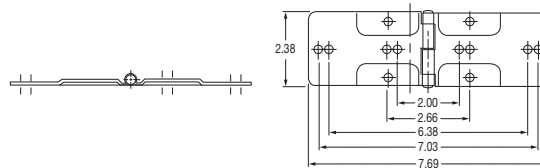
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
025-10275	.64	A	hinge, roller cover and kep nuts	H-325716
025-10279	.16	C	cover only	H-425331
025-10278	.47	C	base only	
992-00001	.01	A	1/4" hex nut	
993-00721	.01	A	1/4" split lock washer	

## Universal Flush Mount Center Hinge

### FEATURES

- Eliminates routing of panels for easier installation
- Steel construction
- Zinc plated finish



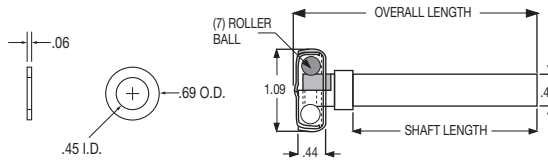
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-10276	.46	A	H-325709

## 1.00" Door Roller

### FEATURES

- Steel construction, zinc plated finish
- Hardened shaft and raceways
- Seven roller ball design
- Washers used as spacers to keep door alignment square with track



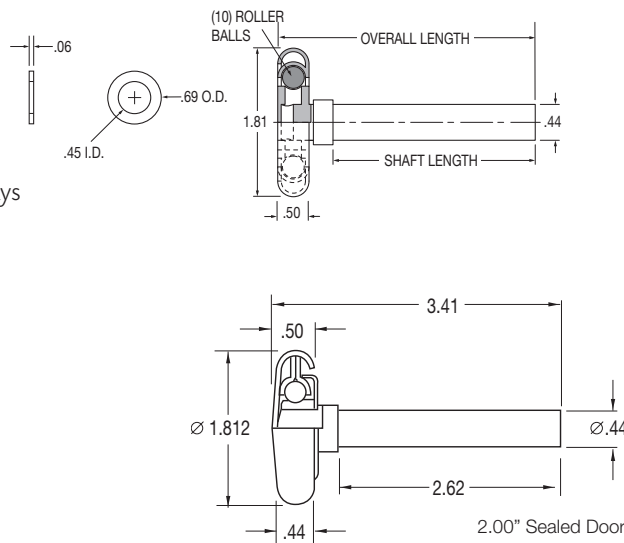
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	overall length (in.)	shaft length	box qty.	cross reference
<b>025-10100</b>	.21	A	steel roller	3.25	2.50	1	T #61174, T #69162, W #4026, W #4027, 291000
<b>025-10100-25</b>	10.50	A	steel roller bulk pack	3.25	2.50	25	T #61174, T #69162, W #4026, W #4027, 291000
<b>025-10105</b>	.25	B	roller w/longer shaft	4.09	3.25	1	
<b>025-10109</b>	.30	A	steel roller w/ 5" shaft	5.84	5.00	1	
<b>993-00240-100</b>	.01	A	steel spacer washer bulk pack			100	T #80020, W #6, 140100

## 2.00" Door Rollers

### FEATURES

- Rollers available with steel or nylon construction
- Shaft available in zinc, stainless steel or unplated
- Hardened shaft and raceways
- Ten roller ball design
- Washers used as spacers to keep door alignment square with track
- Long stem roller has a staked collar design versus machined collar on others



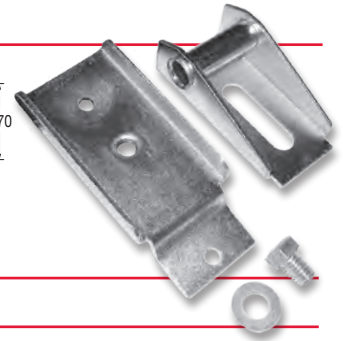
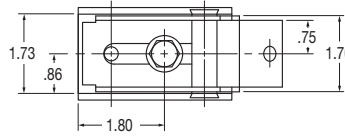
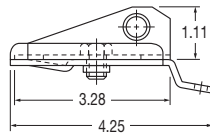
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	shaft finish	overall length	shaft length	box qty.	cross reference
<b>025-10101</b>	.27	A	nylon roller	zinc plated	3.75	3.00	1	W #3228, T #61424, T #70225
<b>025-10101-25</b>	12.75	A	nylon roller bulk pack	zinc plated	3.75	3.00	25	W #3228, T #61424, T #70225
<b>025-10106</b>	.27	A	nylon roller	zinc plated	4.20	3.50	1	
<b>025-90042</b>	.35	A	nylon roller	zinc plated	8.70	8.00	1	
<b>025-10102</b>	.32	A	steel roller	zinc plated	3.75	3.00	1	W #2996, T #70224
<b>025-10102-25</b>	16.00	A	steel roller bulk pack	zinc plated	3.75	3.00	25	W #2996, T #70224
<b>025-10103</b>	.31	A	sealed steel roller	zinc plated	3.41	2.62	1	-
<b>025-10104</b>	.27	A	nylon roller	stainless	4.20	3.50	1	
<b>025-10113</b>	.48	A	steel roller-long stem	unplated	7.50	6.50	1	
<b>993-00240-100</b>	.01	A	steel spacer washer bulk pack		N/A	N/A	100	T #80020, 140100, W #6

## Top Fixture Bracket Assembly for Recessed 1" Roller Door

### FEATURES

- Steel construction
- Zinc plated or black E-coat finish
- Heavy-duty design
- Hardware includes bolt and washer



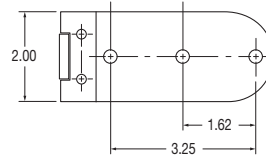
### SPECIFICATIONS

part no.	st. (lbs.)	pop. code	description	finish	cross reference
<b>025-10200</b>	.66	A	base, slide, and hardware assy.	zinc	T #69433, W #4039
<b>025-10201</b>	.44	C	base plate only	zinc	T #69432, W #4051, 210100
<b>025-10202</b>	.23	C	slide only	zinc	T #69431, W #4038, 210200
<b>991-00126</b>	.02	A	3/8" hex head bolt	zinc	T #89049, W #10-1073-2, 100100
<b>993-00004</b>	.01	A	3/8" washer	zinc	T #80302, T #2436, 100010
<b>025E10200</b>	.66	B	base, slide, & hardware assy.	E-coat	
<b>025E10201</b>	.44	C	base plate only	E-coat	
<b>025E10202</b>	.23	C	slide only	E-coat	

## Bottom Fixture for Recessed 1" Roller Door

### FEATURES

- Steel construction
- Zinc plated or black E-coat finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
<b>025-10250</b>	.41	A	zinc	T #69249, T #61352, W #4003, 230000
<b>025E10250</b>	.41	B	E-coat	

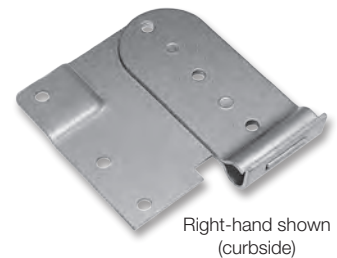
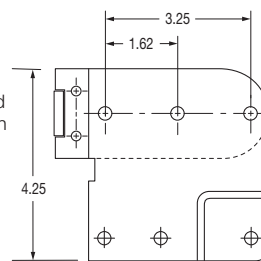
## Heavy-Duty Bottom Fixtures

### FEATURES

- Optional on PrecisionTrak® Recessed 1" Roller Door
- Adds extra support and strength to lower panel corners utilizing a wider support design and additional fasteners
- Steel construction
- Zinc plated or E-coat finish
- Extra strength for heavy-duty use



Left-hand illustration



### SPECIFICATIONS

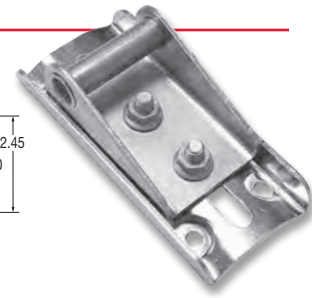
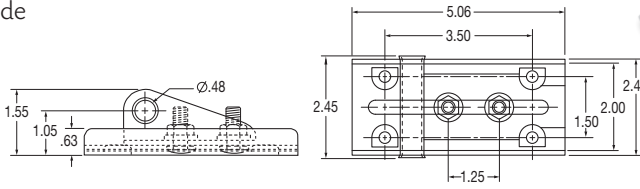
part no.	weight (lbs.)	pop. code	description	finish	cross reference
<b>025-10260</b>	.78	A	left (roadside)	zinc	T #69964-2, W #4115
<b>025-10261</b>	.78	A	right (curbside)	zinc	T #69964-1, W #4114
<b>025E10260</b>	.78	B	left (roadside)	E-coat	
<b>025E10261</b>	.78	B	right (curbside)	E-coat	



## Top Closure Plate and Slide (New Style) for ToughTrak®, PolyTrak® and Flush Mount 2" Roller Doors

### FEATURES

- Improved heavy-duty reinforced slide
- Adjusts top panel for firm seal
- Steel construction
- Black E-coat, Black E-coat/Powder coat or stainless steel finish



### ORDER DETAILS

- Hardware includes bolt and flanged nut

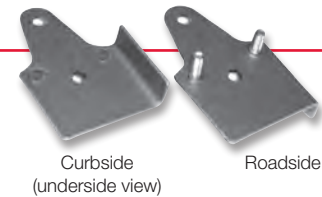
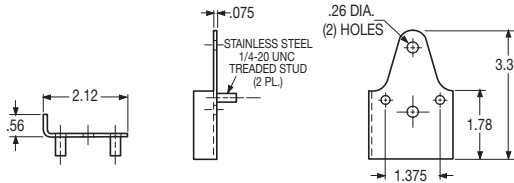
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish	cross reference
025E10220	.60	B	base plate, slide, and hardware asm.	E-coat	W #6944
025-10225	.75	A	base plate, slide, and hardware asm.	stainless steel	W #6944-1
025-10305	.75	A	base plate, slide, and hardware asm.	E-coat/powder coat	W #6944
991-00609	.02	A	5/16" carriage bolt		W #2370
992-01101	.01	A	5/16" flanged lock nut		W #10-1063-1

## Heavy-Duty Stud Plate (2 Studs) for ToughTrak®, PolyTrak® and Flush Mount 2" Roller Doors

### FEATURES

- Stainless steel construction
- Use with 2-stud cover 025-10286
- Lip fits over panel edge, which gives added support



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
025-10288	.15	A	right (curbside)
025-10289	.15	A	left (roadside)

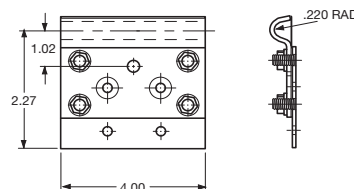
## Reefer Bottom Roller Bracket Assembly

### FEATURES

- Steel construction
- Black E-coat finish
- Stainless steel studs and nuts

### ORDER DETAILS

- Consists of roller clamp, wear plate, stud plate, and 5/16" lock nuts



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-60652	.88	A	5600

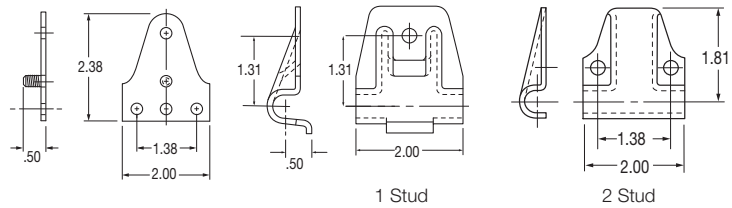
# Bottom Roller Shaft Cover and Stud Plate for ToughTrak®, PolyTrak® and Flush Mount 2" Roller Doors (1 Stud or 2 Stud)

## APPLICATION

- Attaches to bottom panel for roller support

## FEATURES

- Steel construction
- E-coat or stainless steel finish



## BOTTOM ROLLER SHAFT COVER AND STUD PLATE (1 STUD) SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish	cross reference
992-01100	.01	A	1/4"-20 kep nut	zinc	W #10-1022-1
025E10270	.19	B	shaft cover	E-coat	W #1021
025E10271	.09	B	stud plate	E-coat	W #1370
025-10284	.19	A	shaft cover	stainless steel	-
025-10285	.09	A	stud plate	stainless steel	-
992-00701	.01	A	1/4"-20 kep nut	stainless steel	W #10-1022-6



1 Stud

## BOTTOM ROLLER SHAFT COVER AND STUD PLATE (2 STUD) SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish	cross reference
992-01100	.01	A	1/4"-20 kep nut	zinc	W #10-1022-1
025E10003	.14	C	shaft cover	E-coat	W #1208, T #70161
025E10272	.09	B	stud plate	E-coat	W #2032
025-10286	.14	C	shaft cover	stainless steel	W #1208-1
025-10287	.09	C	stud plate	stainless steel	-
992-00701	.01	A	1/4"-20 kep nut	stainless steel	W #10-1022-6



2 Stud

## BOTTOM ROLLER ASSEMBLY WITH STAINLESS STEEL HARDWARE SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish	cross reference
025E90041	.30	A	assembly	E-coat	1371A
025-90040	.001	A	wear plate	stainless steel	5726



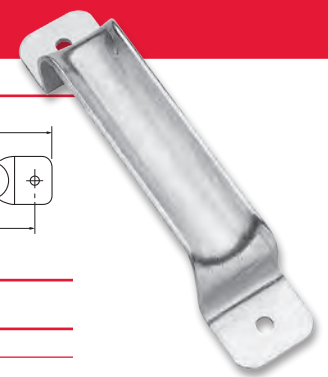
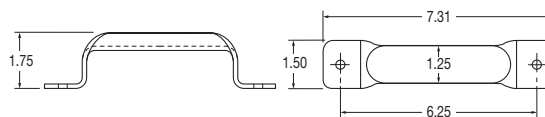
Assembly with Wear Plate

Wear Plate

## Heavy-Duty Lift Handle

### FEATURES

- Heavy-duty, wide grip design
- Zinc plated, powder coated, or black E-coat finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
025-10311	.50	A	zinc	T #61401, W #1715, 250000
025-10330	.50	A	E-coat/powder coat	T #61401, W #1715, 250000
025E10311	.50	B	E-coat	

DOOR SOLUTIONS

ROLL-UP DOOR HARDWARE



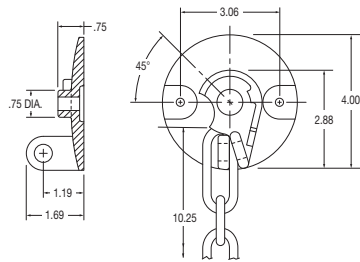
## Safety Chain Keeper

### APPLICATION

- Adds additional security to your door

### FEATURES

- Spring loaded cast steel
- Zinc plated finish



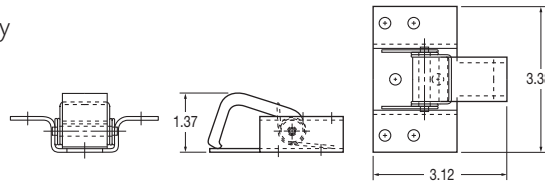
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>025-10600</b>	2.25	A	bulk kit - keeper and chain	T #69020 and W #4132
<b>025-10601</b>	1.75	A	keeper only	T #61223 and W #4110
<b>025-10602</b>	.50	A	zinc chain only	T #61229 and W #4126

## Shelf Latch Assembly

### APPLICATION

- Spring assisted to hold parcel delivery shelves in upright position
- Installs flush into sidewall ribs



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
<b>025-60200</b>	.50	A	shelf latch assembly	galvanized steel
<b>995-00401</b>	.01	A	latch spring only	stainless steel
<b>994-00500</b>	.02	A	latch pin only	plain steel

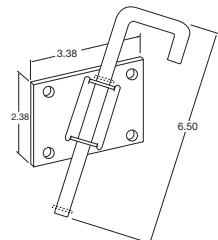
## Gravity Feed Shelf Latch Assembly

### APPLICATION

- Gravity assisted to hold parcel delivery shelves in upright position

### FEATURES

- Installs flush into sidewall ribs



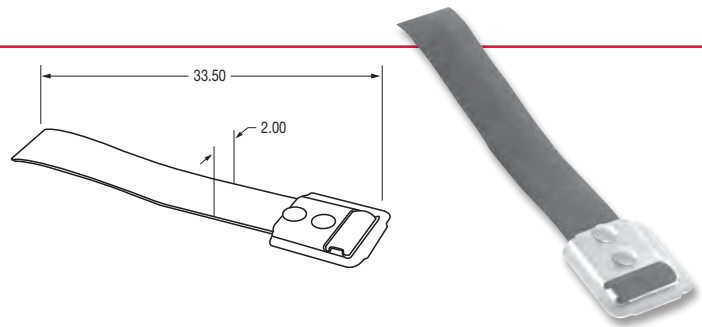
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish
<b>025-60206</b>	.43	A	zinc plated

## Pull Strap Assemblies

### FEATURES

- Durable **2.00" wide**, black nylon construction for added strength and durability
- Custom lengths available
- Assemblies available with 025-10331, 025-10432, or 025E10432 H.D. pull strap retainer (below)



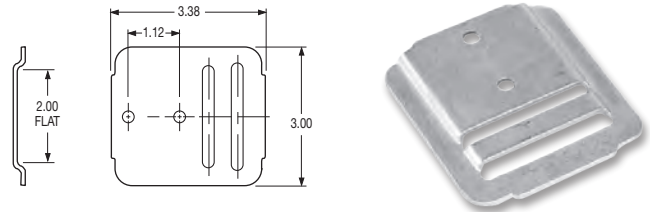
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	retainer finish	rivets finish	cross reference
<b>025-10402</b>	.31	A	15.50" assembly	zinc		257000
<b>025-10403</b>	.38	A	29.50" assembly	zinc		
<b>025E10402</b>	.31	B	15.50" assembly	E-coat		
<b>025E10403</b>	.38	B	29.50" assembly	E-coat		
<b>025-10334</b>	.38	A	33.50" assembly	E-coat/powdercoat	zinc	
<b>025-10335</b>	.31	A	33.50" assembly	E-coat/powdercoat	stainless steel	
<b>025-10420</b>	.10	A	18" strap only			T #80844, W #4140
<b>025-10421</b>	.15	A	32" strap only			

## Heavy-Duty Pull Strap Retainer

### FEATURES

- 3.00" x 3.00" construction
- Zinc plated, black E-coat or white finish
- Standard retainer used on all roll-up doors and bottom panels with pull straps



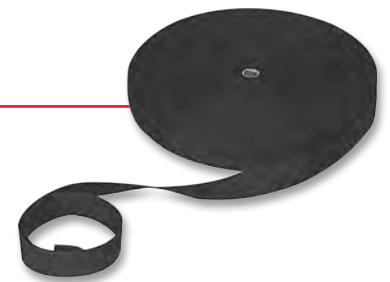
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
<b>025-10331</b>	.21	A	E-coat/powder coat	T #69832, W#4040
<b>025-10432</b>	.21	A	zinc	T #69832, W#4040
<b>025E10432</b>	.21	B	E-coat	

## Nylon Belting (100 Yard Roll)

### FEATURES

- 2.00" wide black nylon construction for added strength and durability



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
<b>025-10430</b>	7.80	A

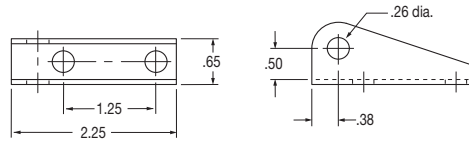
## Cable Anchor Bracket

### APPLICATION

- Allows proper rotation of cable head

### FEATURES

- Steel construction
- Zinc plated or black E-coat finish



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish	cross reference
025-10300	.080	A	bracket	zinc	T #61204, W #4004, 240000
994-00002	.010	A	1/4" clevis pin	zinc	T #61026, W #10-1004-2, 240100
994-00105	.003	A	cotter pin	zinc	T #80401-316, W #10-1009-5, 120000
025E10300	.080	B	bracket	black	-

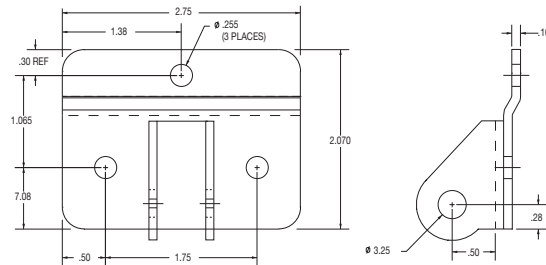
## Heavy-Duty Cable Anchor Bracket

### APPLICATION

- Allows proper rotation of cable head on flush mount 2" roller doors

### FEATURES

- Steel construction
- Black E-coat finish



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish	cross reference
025-10301	.23	A	bracket	black	W #5803
994-00002	.010	A	1/4" clevis pin	zinc	T #61026, W #10-1004-2, 240100
994-00105	.003	A	cotter pin	zinc	T #80401-316, W #10-1009-5, 120000

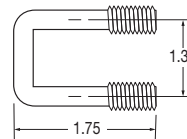
## 1.75" U-Bolt

### APPLICATION

- Attaches cables to flush mount 2" roller doors

### FEATURES

- Steel construction
- Zinc plated



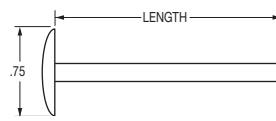
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish	cross reference
991-00506-50	.06	A	u-bolt (pkg. of 50)	zinc plated	W #70-5
992-00005	.02	A	5/16" nut	zinc plated	W #10-1033-2, #80352-518

# Rivets

## FEATURES

- Zinc plated steel and stainless steel construction
- Round head design



## SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	length (in.)	construction	box qty.	cross reference
995-00111-400	.02	A	1.00	zinc plated steel	400	T #89210-0032, W #80841T, 111000
995-00112-400	.02	A	1.12	zinc plated steel	400	T #89210-0036, W #80842T, 111250
995-00113-400	.02	A	1.25	zinc plated steel	400	T #89210-0040, 112500, 111250
995-00114	.02	A	1.00	stainless steel		T #89217-0032
995-00115	.02	A	1.12	stainless steel		T #89217-0036
995-00116	.02	A	1.25	stainless steel		T #89217-0040

# Miscellaneous Hardware

## FEATURES

- These standard fasteners hold hardware items to panels
- Use the rib neck carriage bolt with the MSS lock and keeper assembly and hinge installations
- Rib neck carriage bolt allows tamper proof installation with a rivet look and eliminates the nut being installed externally for security
- Zinc plated finish



## SPECIFICATIONS

part no.	weight pop. (lbs.)	code	box description	qty	cross reference
993-00721	.003	A	1/4" lock washer		T #80322-225, W #10-1046-1, 120500
991-00085	.030	A	1/4" hex bolt 1.75"		T #80105-416
991-00632	.090	A	1/4" -20 x 4.50" step bolt (.75" head)		-
994-00106	.005	A	1/8"-2.5" cotter pin		-
992-00701	.010	A	1/4"-20 kep nut - stainless steel		W #10-1022-6
991-00400-100	.040	A	1/4" -20 x 1.25" step bolt (.75" head)	100	T #80015-1610, 120250
991-00401-100	.040	A	1/4" -20 x 1.50" step bolt (.75" head)	100	T #80015-1610
991-00402-100	.020	A	1/4"-20 x 1.25" rib neck carriage bolt (.56" head)	100	-
991-00506-50		A	1-3/4" long U-bolt	50	W #70-5
991-00630-50	.045	A	1/4" -20 x 3.00" step bolt (.75" head)	50	-
991-00631-50	.060	A	1/4" -20 x 3.50" step bolt (.75" head)	50	-
991-00700-100	.030	A	1/4" -20 x 1.75" elevator bolt (1.00" head)	100	-
992-00001-200	.010	A	1/4"-20 hex nut	200	T #80352-420, 120300
992-01100-200	.010	A	1/4"-20 kep nut - zinc	200	W #10-1022-1
993-00240-100		A	spacer washer	100	T #80020, W #6, 140100
995-00111-400		A	1" steel rivet	400	T #89210-0032, W #80841T, 111000
995-00112-400		A	1-1/8" steel rivet	400	T #89210-0036, W #80842T, 111250
995-00113-400		A	1-1/4" steel rivet	400	T #89210-0040, 112500, 111250

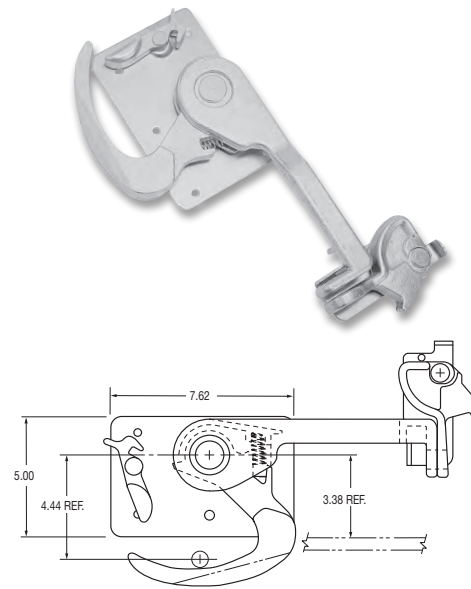




## Maximum Strength Steel Lock Assembly for Recessed 1" Roller Doors

### FEATURES

- Superior strength, heavy-duty cast grade 30 steel (far more superior than ductile iron).
- Pins are mechanically fastened in place for optimum strength. No welds to fail or plating to burn off and rust
- Extra thick padlock provision designed for greater security
- Trapped handle cannot pull out to bypass keeper resulting in tamper-proof lock
- Spring assisted lock eliminates door bounce
- Stainless steel spring will not rust
- Can be used as a lift handle in open position
- Keeper accommodates padlocks and trailer seals
- Zinc plated or black E-coat enamel finish available
- See 991-00402 special rib neck carriage bolt



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish	reference
<b>025-10500</b>	9.68	A	MSS lock assembly packaged set (lock and keeper)	zinc	T #69570
<b>025-10501</b>	8.00	A	lock only	zinc	T #69571, 280000
<b>025-10502</b>	1.68	A	keeper only	zinc	T #69572, 280100
<b>025E10501</b>	8.00	B	lock only	black	-
<b>025E10502</b>	1.68	B	keeper only	black	-

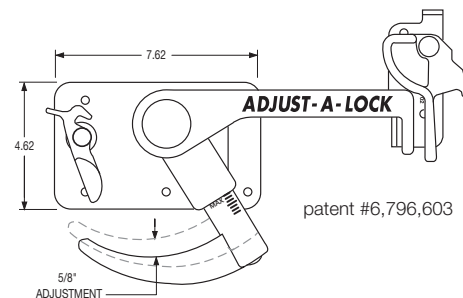
## Adjust-A-Lock™ for Recessed 1" Roller Doors

### FEATURES

- Lock adjusts as door seal and other components start to wear - eliminates the "bounce" that destroys both doors and trailers
- Eliminates the need to re-drill a bottom panel for lock adjustment
- High quality fasteners for superior strength and corrosion resistance
- Adjusts to anyone's feel, no more prying the lock open or kicking the lock closed
- Makes bottom panel replacement a breeze, especially on older doors and trailers
- 5/8" of vertical adjustment
- Adjustable using standard hex style wrenches
- Zinc plated or black E-coat finish available



**ADJUST-A-LOCK**



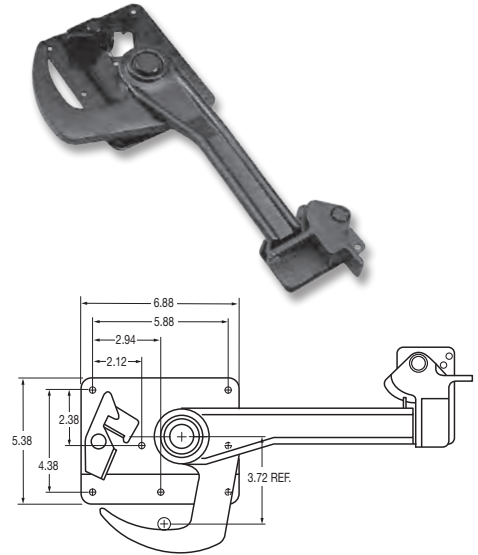
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish
<b>025-10525</b>	8.20	A	lock only	zinc
<b>025-10502</b>	1.68	A	keeper only	zinc
<b>025E10502</b>	1.68	B	keeper only	black

## Cam Lock Assembly and Handle Keeper for Flush Mount 2" Roller Doors

### FEATURES

- Cam lock allows one hand operation and easily accommodates padlock or car seal
- Back plate is offset to clear bottom seal retainer
- Spring assisted handle eliminates door bounce
- Steel construction
- Can be used as a lift handle in open position
- Keeper accommodates padlocks and trailer seals
- Black E-coat or black E-coat with black powder coat finish available



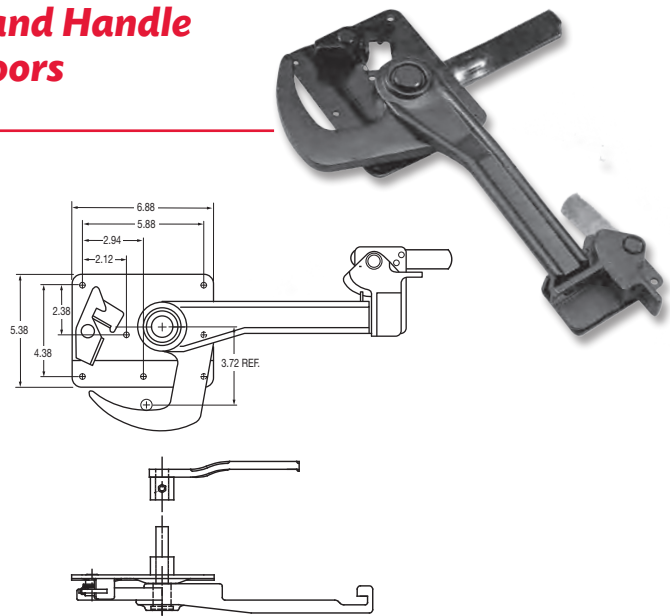
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	finish	cross reference
<b>025-10595</b>	8.90	A	lock assembly packaged set	black E-coat	
<b>025-10332</b>	6.30	A	cam lock handle	black E-coat/powder coat	W #77
<b>025-10333</b>	1.70	A	handle and keeper	black E-coat/powder coat	W #2766
<b>025-10577</b>	6.30	A	cam lock handle	black E-coat	W #77
<b>025-10578</b>	1.70	A	handle keeper	black E-coat	W #2766

## Inside Release Cam Lock Assembly and Handle Keeper for Flush Mount 2" Roller Doors

### FEATURES

- Can release from the inside of trailer
- Cam lock allows one hand operation and easily accommodates padlock or car seal
- Back plate is offset to clear bottom seal retainer
- Spring assisted handle eliminates door bounce
- Steel construction
- Can be used as a lift handle in open position
- Keeper accommodates padlocks and trailer seals



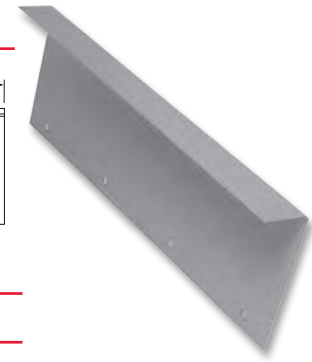
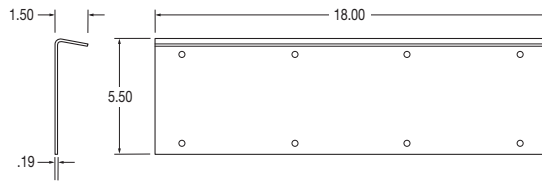
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish
<b>025-10642</b>	9.23	A	lock and keeper set	black E-coat

## Fork Lift Plate

### FEATURES

- Allows use of fork lift to open door from truck bay or when loads shift against door
- Steel construction
- Black E-coat finish



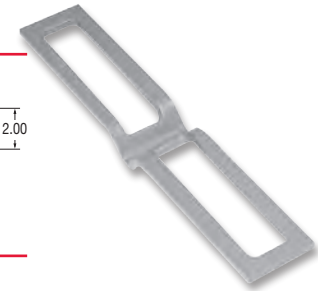
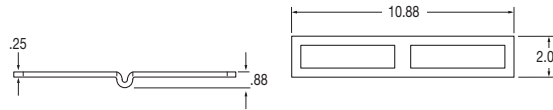
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-60100	6.34	A	T #69131, W #1092

## Latch Plate for Recessed 1" Roller Doors

### FEATURES

- Contoured for proper lock engagement
- Steel construction
- Zinc plated finish



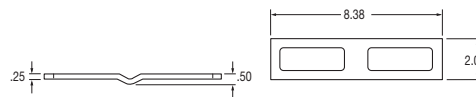
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-60050	.81	A	T #70093, W #4021, 270700

## Latch Plate for Flush Mount 2" Roller Doors

### FEATURES

- Contoured for proper lock engagement
- Steel construction
- Plain finish



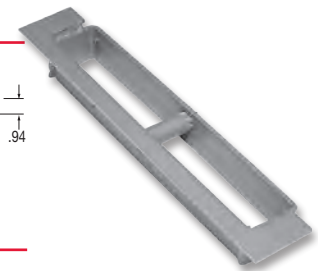
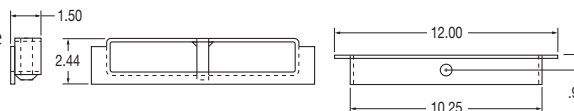
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-60052	.61	A	W #2804

## Catch Box

### FEATURES

- Used as an option in place of latch plate
- Heavy-duty steel construction
- Plain finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
025-60000	2.25	A	T #69341, W #4024

## Single Spring Operator Packaged Sets With 1.00" Track

### FEATURES

- Single spring with quick, easy counterbalance adjustment
- Includes 1.00" R.H. and L.H. vertical track, 1.00" R.H. and L.H. horizontal track and operator assembly
- Large die cast cable drums are grooved to prevent cables from binding or wearing prematurely
- Optional 52" horizontal track available upon request



### SPECIFICATIONS (J-STYLE)

part no.	weight (lbs.)	pop. code	vertical track length (in.)	horizontal track length (in.)	operator shaft length (in.)	fits door sizes
<b>027-80090</b>	79.00	B	96.50	107.00	96.00	72.00-90.00 high
<b>027-80100</b>	84.32	B	106.50	120.00	96.00	91.00-100.00 high
<b>027-80114</b>	89.00	B	120.00	120.00	96.00	101.00-114.00 high

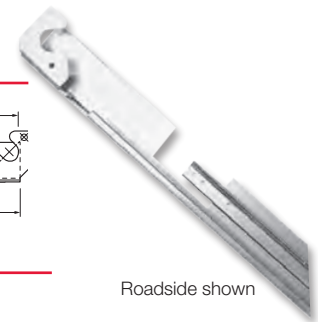
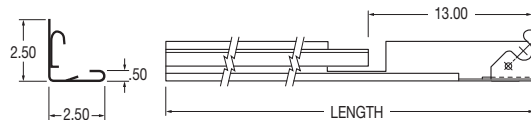
### SPECIFICATIONS (RIGHT ANGLE STYLE)

<b>027-81090</b>	74.22	B	96.50	107.00	96.00	72.00-90.00 high
<b>027-81100</b>	79.02	B	106.50	120.00	96.00	91.00-100.00 high
<b>027-81114</b>	83.04	B	120.00	120.00	96.00	101.00-114.00 high

## 1.00" Vertical Track and Angle Assembly (J Style)

### FEATURES

- Galvanized steel 14 gauge construction
- Includes J-style channel mounting angle with track and operator bracket



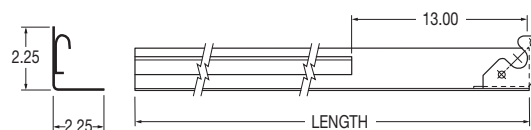
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	fits door sizes	cross reference
<b>028-00290</b>	16.00	B	left (roadside)	96.50	72.00-90.00 high	T #49014-2, T #41034-2, W #4045
<b>028-00190</b>	16.00	B	right (curbside)	96.50	72.00-90.00 high	T #49014-1, T #41034-1, W #4046
<b>028-00101</b>	17.66	B	left (roadside)	106.50	91.00-100.00 high	T #49014-2, T #41034-2, W #4045
<b>028-01101</b>	17.66	B	right (curbside)	106.50	91.00-100.00 high	T #49014-1, T #41034-1, W #4046
<b>028-00114</b>	20.00	B	left (roadside)	120.00	101.00-114.00 high	T #49014-2, T #41034-2, W #4045
<b>028-01114</b>	20.00	B	right (curbside)	120.00	101.00-114.00 high	T #49014-1, T #41034-1, W #4046

## 1.00" Vertical Track and Right Angle Assembly

### FEATURES

- Galvanized steel 14 gauge construction
- Includes right angle frame, 1" track and operator bracket



### SPECIFICATIONS

part no.	wt.(lbs.)	pop. code	description	length (in.)	fits door sizes
<b>028-03090</b>	14.21	B	right (curbside)	96.50	72.00-90.00 high
<b>028-03190</b>	14.21	B	left (roadside)	96.50	72.00-90.00 high
<b>028-03101</b>	15.68	B	right (curbside)	106.50	91.00-100.00 high
<b>028-03201</b>	15.68	B	left (roadside)	106.50	91.00-100.00 high
<b>028-03114</b>	17.68	B	right (curbside)	120.00	101.00-114.00 high
<b>028-03214</b>	17.68	B	left (roadside)	120.00	101.00-114.00 high

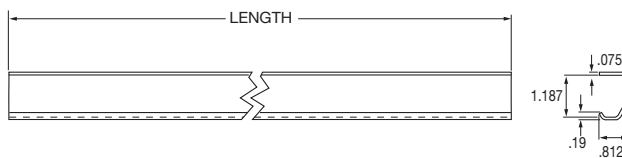
## 1.00" Vertical Track

### APPLICATION

- For use with 1.00" rollers

### FEATURES

- Galvanized steel
- 14 gauge construction



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)
028-30012	5.14	B	93.50
028-30014	5.82	B	107.00

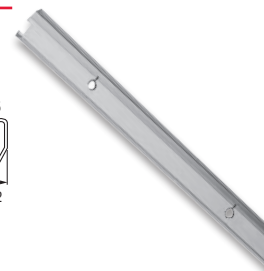
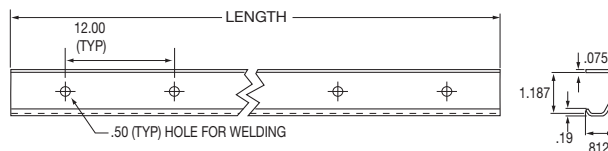
## 1.00" Vertical Track with Holes

### APPLICATION

- For use with 1.00" rollers

### FEATURES

- Galvanized steel
- 14 gauge construction
- Holes drilled to allow for faster plug weld installation to frame



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)
028-30015	5.14	B	93.50
028-30017	5.82	B	107.00

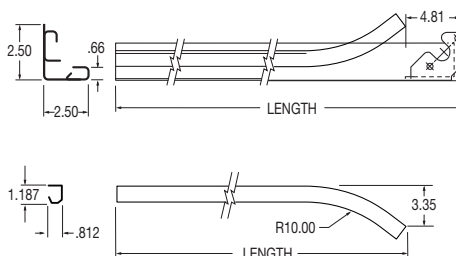
## 1.00" Split Radius Track

### APPLICATION

- For use with 1.00" rollers

### FEATURES

- Galvanized steel 14 gauge construction
- 6.00" radius for smooth door operation
- Track coupler used for proper alignment at track joints



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length (in.)
028-33035	25.00	B	subassembly for left (roadside)	96.50
028-33036	25.00	B	subassembly for right (curbside)	96.50
028-33037	26.66	B	subassembly for left (roadside)	106.50
028-33038	26.66	B	subassembly for right (curbside)	106.50
028-33039	29.00	B	subassembly for left (roadside)	120.00
028-33040	29.00	B	subassembly for right (curbside)	120.00
028-33041	7.00	B	track - left (roadside)	107.00
028-33042	7.00	B	track - right (curbside)	107.00
028-33043	8.00	B	track - left (roadside)	120.00
028-33044	8.00	B	track - right (curbside)	120.00

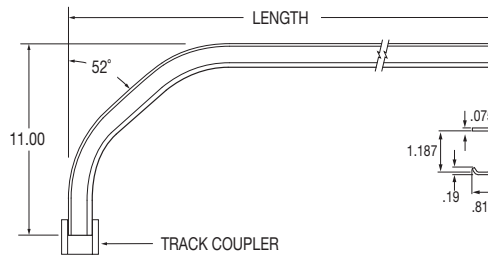
## 52° Horizontal 1.00" Track

### APPLICATION

- For use with 1.00" rollers

### FEATURES

- Galvanized steel 14 gauge construction
- For use with in-header mounted operators, and allows greater door clearance when opening
- Track coupler used for proper alignment at track joints



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length (in.)	fits door sizes	cross reference
<b>028-30050</b>	7.00	B	right (curbside)	107.00	less than 96.00 high	T #49702-1, T #41043, W #4053
<b>028-30051</b>	7.00	B	left (roadside)	107.00	less than 96.00 high	T #49702-2, T #41042, W #4052
<b>028-30060</b>	8.00	B	right (curbside)	120.00	greater than 96.00 high	T #49702-1, T #41043, W #4053
<b>028-30061</b>	8.00	B	left (roadside)	120.00	greater than 96.00 high	T #49702-2, T #41042, W #4052

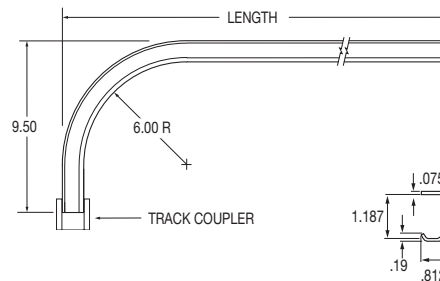
## 6.00" Radius Horizontal 1.00" Track

### APPLICATION

- For use with 1.00" rollers

### FEATURES

- Galvanized steel 14 gauge construction
- 6.00" radius for smooth door operation
- Track coupler used for proper alignment at track joints



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length (in.)	fits door sizes
<b>028-30070</b>	7.00	B	right (curbside)	107.00	less than 96.00 high
<b>028-30071</b>	7.00	B	left (roadside)	107.00	less than 96.00 high
<b>028-30080</b>	8.00	B	right (curbside)	120.00	greater than 96.00 high
<b>028-30081</b>	8.00	B	left (roadside)	120.00	greater than 96.00 high



## Dual Spring Operator Packaged Sets With 2.00" Track

### FEATURES

- Includes 2.00" R.H. and L.H. vertical track, 2.00" R.H. and L.H. horizontal track, operator assembly balancer brackets, cotter pins, and side seals



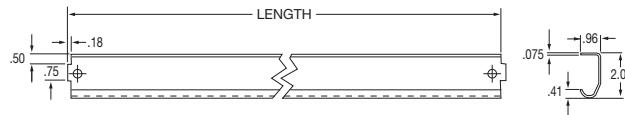
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	vert. track length (in.)	hori. track length (in.)	operator shaft length (in.)	spring length (in.)	fits door sizes
027-82096	82.00	B	96.50	107.00	93.00	33.00	72.00-90.00 high
027-82106	89.00	B	106.50	120.00	93.00	35.00	91.00-100.00 high
027-82114	94.00	B	120.00	120.00	93.00	33.00	101.00-114.00 high

## 2.00" Vertical Track

### APPLICATION

- For use with 2.00" dia. steel or nylon rollers



### FEATURES

- Galvanized steel 14 gauge construction
- Tabbed at both ends for proper alignment at track joints and to allow universal fit for both left hand and right hand frame sides

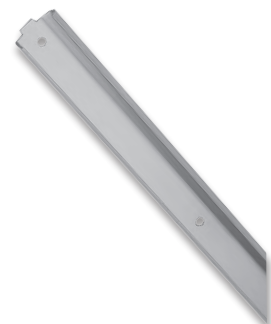
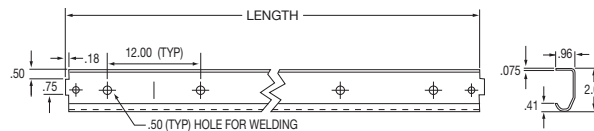
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)
028-32083	6.96	B	95.00
028-32084	7.94	B	108.00

## 2.00" Vertical Track with Holes

### APPLICATION

- For use with 2.00" dia. steel or nylon rollers



### FEATURES

- Galvanized steel 14 gauge construction
- Tabbed at both ends for proper alignment at track joints and to allow universal fit for both left hand and right hand frame sides
- Holes drilled to allow for faster plug weld installation to frame

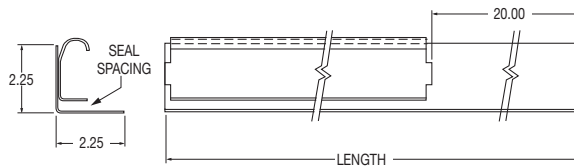
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)
028-32085	6.96	B	95.00
028-32086	7.94	B	108.00

## 2.00" Vertical Track and Right Angle Assembly

### FEATURES

- Tongue and groove for proper alignment at joints
- Galvanized steel 14 gauge construction
- Includes right angle mounting track, vertical track, and operator bracket



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	spacing	cross fits door sizes	reference
<b>028-02090</b>	16.38	B	left (roadside)	96.50	.31	72.00-90.00 high	W #2275-2
<b>028-02290</b>	16.38	B	right (curbside)	96.50	.31	72.00-90.00 high	W #2275-1
<b>028-02091</b>	16.38	B	left (roadside)	96.50	.50	72.00-90.00 high	W #2275-2
<b>028-02291</b>	16.38	B	right (curbside)	96.50	.50	72.00-90.00 high	W #2275-1
<b>028-02101</b>	18.24	B	left (roadside)	106.50	.31	91.00-100.00 high	W #2275-2
<b>028-02201</b>	18.24	B	right (curbside)	106.50	.31	91.00-100.00 high	W #2275-1
<b>028-02102</b>	18.24	B	left (roadside)	106.50	.50	91.00-100.00 high	W #2275-2
<b>028-02202</b>	18.24	B	right (curbside)	106.50	.50	91.00-100.00 high	W #2275-1
<b>028-02114</b>	20.84	B	left (roadside)	120.00	.31	101.00-114.00 high	W #2275-2
<b>028-02214</b>	20.84	B	right (curbside)	120.00	.31	101.00-114.00 high	W #2275-1
<b>028-02115</b>	20.84	B	left (roadside)	120.00	.50	101.00-114.00 high	W #2275-2
<b>028-02215</b>	20.84	B	right (curbside)	120.00	.50	101.00-114.00 high	W #2275-1

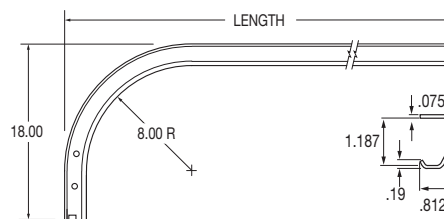
## 8.00" Radius Horizontal 2.00" Track

### APPLICATION

- For use with 2.00" dia. steel or nylon rollers

### FEATURES

- Galvanized steel 14 gauge construction
- Tongue and groove for proper alignment at joints
- 8.00" radius



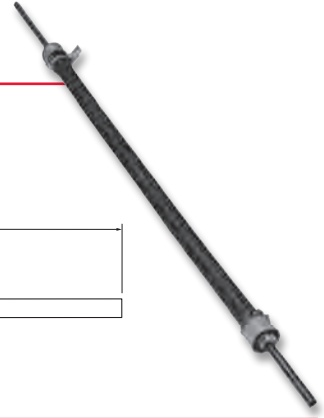
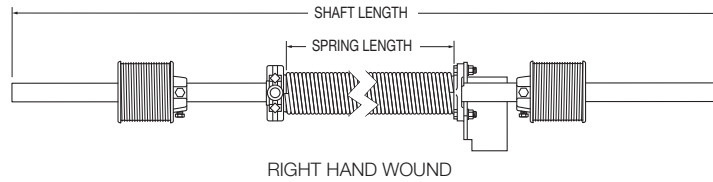
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	fits door sizes	cross reference
<b>028-32071</b>	7.60	B	left (roadside)	107.00	up to 96.00 high	W #11-3
<b>028-32072</b>	7.60	B	right (curbside)	107.00	up to 96.00 high	W #11-2
<b>028-32081</b>	9.00	B	left (roadside)	120.00	greater than 96.00 high	W #11-3
<b>028-32082</b>	9.00	B	right (curbside)	120.00	greater than 96.00 high	W #11-2

## Single Spring Operator Assemblies

### FEATURES

- Single counterbalanced spring design available in 36.00", 48.00" and 60.00" spring lengths
- Quick and easy counterbalance spring adjustment with easy calibration to door size and weight for effortless operation
- Springs treated with rust preventative
- Heavy .243 dia spring wire
- Heavy-duty cast aluminum cable drums hold up to 130.00" of cable



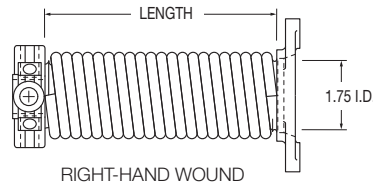
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	shaft length (in.)	spring length (in.)	cross ref.
027-24101	25.50	A	shaft, spring, drums, bearing, bracket, and plugs	89.50	36.00	-
027-24301	27.37	A	shaft, spring, drums, bearing, bracket, and plugs	89.50	48.00	-
027-24300	32.37	A	shaft, spring, drums, bearing, bracket, and plugs	89.50	60.00	-
027-24100	31.00	A	shaft, spring, drums, bearing, bracket, and plugs	96.00	36.00	-
027-24201	28.00	A	shaft, spring, drums, bearing, bracket, and plugs	96.00	48.00	-
027-24200	33.00	A	shaft, spring, drums, bearing, bracket, and plugs	96.00	60.00	T #59174
027-24202	33.50	A	shaft, spring, drums, bearing, bracket, and plugs	98.00	60.00	-

## Spring Assembly for Single Spring Operator Assemblies

### FEATURES

- .24" wire thickness
- 1.75" inner diameter
- Wire sized and wound for proper tension and long life
- Springs treated with rust preventative
- Includes bolt plug and winding plug wound onto spring for stronger design



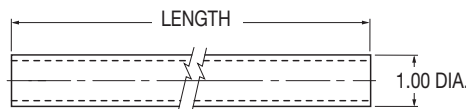
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
027-20100	22.00	A	60.00	T #51042, W #2701
027-20101	16.50	A	48.00	-
027-20102	12.78	A	36.00	-

## Shafts for Single Spring Operator Assemblies

### FEATURES

- Constructed of 1.00" o.d. heavy-duty steel tubing
- Plain finish



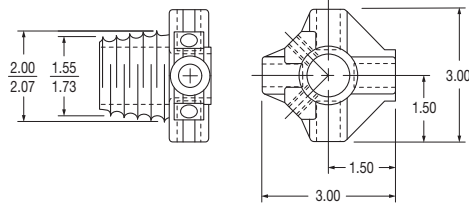
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
027-20000	9.00	A	96.00	T #51037, T #59290, W #3100, 310000
027-20001	8.37	A	89.50	-

## Winding Plug for Single Spring Operator Assemblies

### FEATURES

- Cast aluminum or cast steel construction
- Provides easy method to adjust spring tension



Cast Aluminum Shown

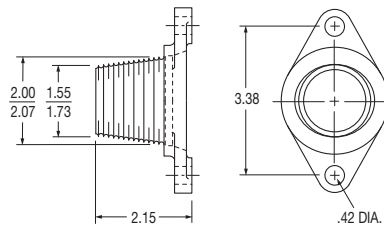
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	cross reference
<b>027-20200</b>	.40	A	cast aluminum	T #59158, T #51041, W #4050, 340100
<b>027-20207</b>	1.13	A	cast steel	T #59158, T #51041, W #4050, 340100

## Bolt Plug (Anchor Plug) for Single Spring Operator Assemblies

### FEATURES

- Cast aluminum or cast steel construction



Cast Aluminum Shown

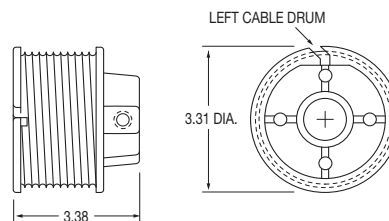
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	cross reference
<b>027-20201</b>	.20	A	cast aluminum	T #51043, W #4025, 340000
<b>027-20208</b>	.51	A	cast steel	T #51043, W #4025, 340000

## Cable Drums for Single Spring Operator Assemblies

### FEATURES

- Large die cast cable drums are grooved to prevent cables from binding or wearing prematurely
- Large die cast design
- Angle of cable slot determines left or right drum
- Holds up to 130" door cable
- Cast aluminum construction



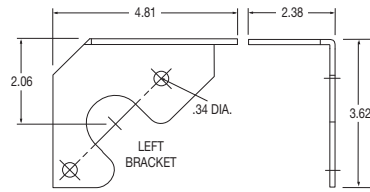
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>027-20300</b>	.90	A	left (roadside)	T #59033-2, T #59129-2, W #4014, 330000
<b>027-20301</b>	.90	A	right (curbside)	T #59033-1, T #59129-1, W #4013, 330100

## Operator Brackets for Single Spring Operator Assemblies

### FEATURES

- Steel construction
- Zinc plated finish



LEFT BRACKET SHOWN (ROADSIDE)

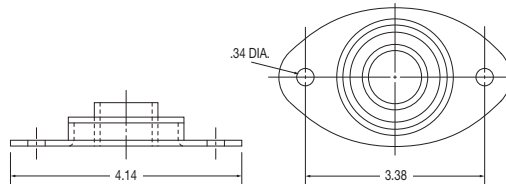
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>027-20400</b>	.66	A	left (roadside)	T #51036-2, W #4028, 360000
<b>027-20401</b>	.66	A	right (curbside)	T #51036-1, W #4029, 360100

## Bearing and Bracket Plate Assembly

### FEATURES

- Zinc plated finish
- 1.00" bearing with operator bracket flange
- Factory installation assures proper bearing alignment



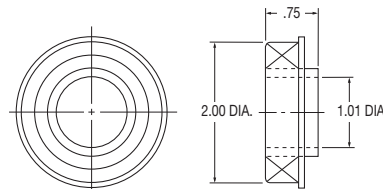
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>027-20500</b>	.41	A	bearing and bracket plate assy.	T #51038, W #4033, 320000

## 1.00" Bearing

### FEATURES

- Steel construction
- Zinc plated finish
- Long lasting ball bearing construction



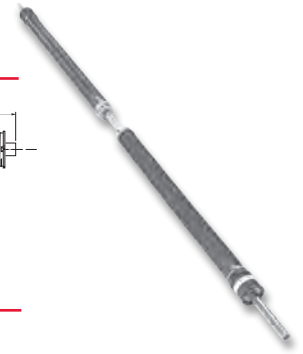
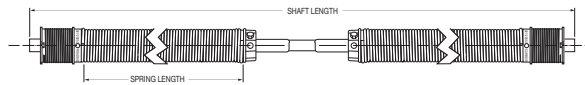
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>027-20530</b>	.21	A	T #80701-2, W #10-1025-4

## Dual Spring Operator Assemblies

### FEATURES

- Assemblies include shaft, L.H. and R.H. springs, winding cones, cable drums with bearings, and spring spacers
- Springs treated with rust preventative
- Roadside cable drum is color coded red



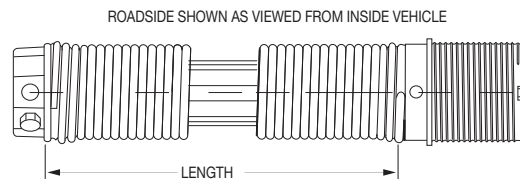
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	shaft length (in.)	spring length (in.)	wire dia (in.)	winding cone color code
027-24400	32.54	A	87.00	33.00	.182	green
027-24401	33.10	A	93.00	33.00	.182	green
027-24416	33.50	A	96.00	33.00	.182	green
027-24402	33.04	A	87.00	35.00	.187	white
027-24403	33.60	A	93.00	35.00	.187	white
027-24417	34.00	A	96.00	35.00	.187	white

## Spring Assemblies for Dual Spring Operator Assemblies

### FEATURES

- 1.188 inner diameter
- Springs treated with rust preventative
- Includes cable drum and bearing assembly, winding cone wound onto spring for stronger design, and internal spring spacer
- Roadside cable drum is color coded red



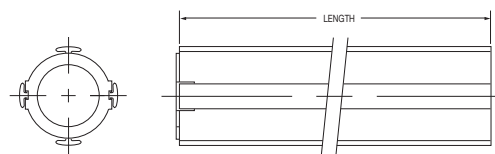
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	application	wire thickness (in.)	spring length (in.)	winding cone color code	cross reference
027-20112	11.25	A	curbside -R.H. wound	.182	33.00	green	-
027-20113	11.25	A	roadside -L.H. wound	.182	33.00	green	-
027-20114	11.50	A	curbside -R.H. wound	.187	35.00	white	2807
027-20115	11.50	A	roadside -L.H. wound	.187	35.00	white	2806

## Spring Spacer for Dual Spring Operator Assemblies

### FEATURES

- Extruded PVC construction with zinc plated thrust washer



### SPECIFICATIONS

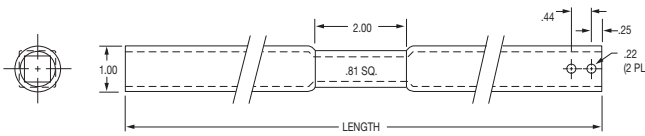
part no.	weight (lbs.)	pop. code	length	cross reference
027-20126	.78	A	33.00	2471
027-20127	.83	A	35.00	2471



## Dual Spring Shafts

### FEATURES

- Constructed of 1.00" outside diameter heavy-duty steel tubing
- Holes drilled in one end only for cotter pins, with other end not drilled for flexibility



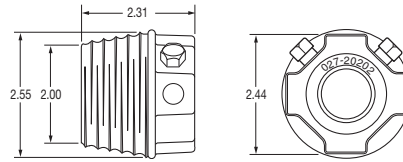
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	finish	cross reference
027-20003	8.18	A	87.00	plain	W #2528
027-20004	8.74	A	93.00	plain	W #2528
027-20010	9.02	A	96.00	plain	-

## Winding Cone - Dual Spring Operator

### FEATURES

- Zinc die cast construction



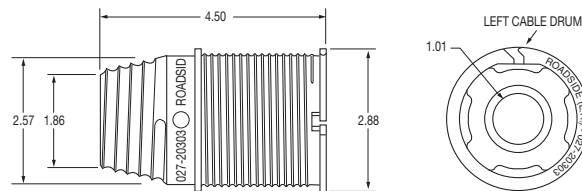
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
027-20202	.94	A	W #2518

## Cable Drum and Bearing Assembly for Dual Spring Operator

### FEATURES

- Black nylon material
- Includes bearing
- Cable drums are grooved to prevent cables from binding or wearing prematurely
- Angle of cable slot determines left or right drum



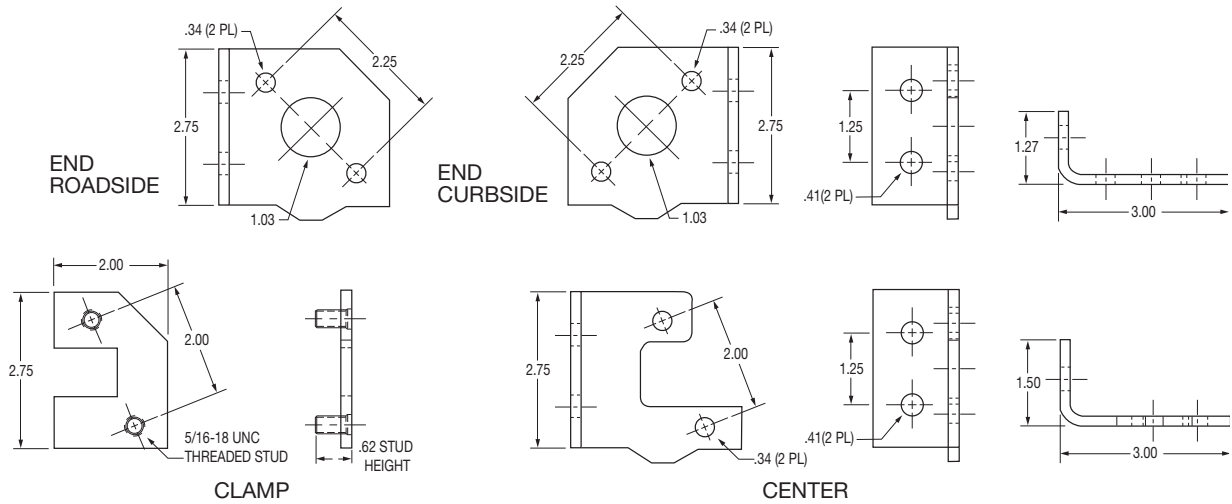
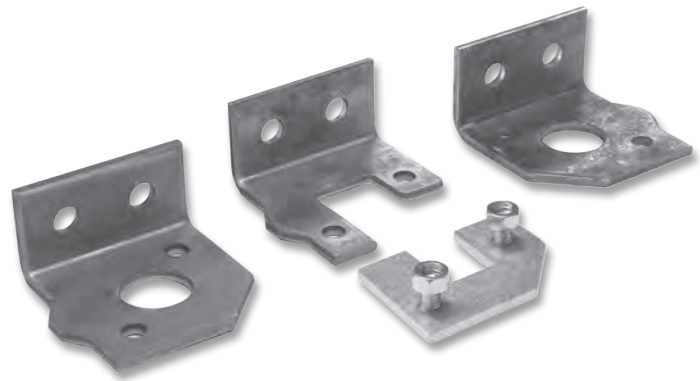
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	color code	cross reference
027-20303	.63	A	left (roadside)	red	2547
027-20304	.63	A	right (curbside)		2548

# Balancer Brackets for Dual Spring Operator

## FEATURES

- Steel construction
- Plain finish
- Clamp includes nuts



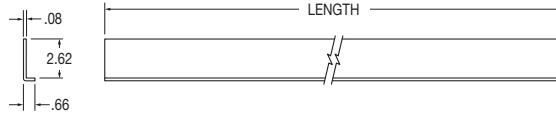
## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>027-20307</b>	.49	A	balancer bracket - end roadside	W #2524
<b>027-20308</b>	.49	A	balancer bracket - end curbside	W #2523
<b>027-20305</b>	.41	A	balancer bracket - center	W #2525
<b>027-20306</b>	.22	A	balancer bracket - clamp	W #2526
<b>993-00703</b>	.011	A	5/16" split lock washer	-
<b>992-00005</b>	.004	A	5/16" hex nut	-

## Bottom Seal Retainer Angle for Recessed 1" Roller Door

### FEATURES

- Galvanized steel construction for extra strength and corrosion resistance
- Fits both standard and heavy-duty bottom seals
- Pre-punched holes for added convenience



### SPECIFICATIONS

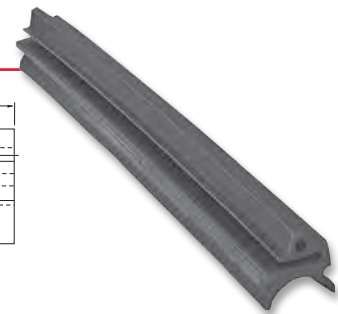
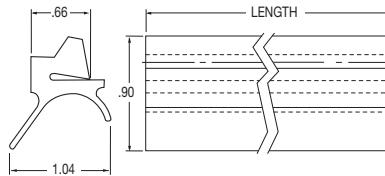
part no.	weight (lbs.)	pop. code	length (in.)	cross reference
<b>026-40018</b>	7.00	A	84.00	T #61191, W #4034, 260000
<b>026-40019*</b>	7.30	A	90.00	T #61191, W #4034, 260000
<b>026-40007</b>	7.50	A	96.00	T #61191, W #4034, 260000

\*Part number 026-40019 replaces part number 026-40006

## Standard Bottom Seals for Recessed 1" Roller Door

### FEATURES

- Extruded from long lasting rubber
- Prevents dirt and moisture from entering cargo bay



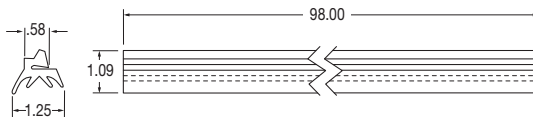
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
<b>026-40001</b>	1.00	A	98.00	T #80840, W #3257, 610200

## Heavy-Duty Bottom Seal for Recessed 1" Roller Door

### FEATURES

- Extruded from long lasting rubber
- Provides maximum protection from dirt and moisture entering into cargo area



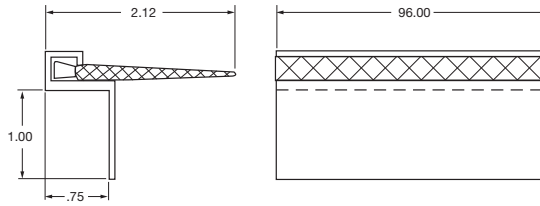
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
<b>026-40010</b>	2.50	A	98.00	T #89204

## Standard Head Seal and Retainer for Recessed 1" Roller Door

### FEATURES

- Retainer extrusion is constructed of high quality aluminum
- Seal molded from long lasting rubber
- Renders easy replacement of top seal without damaging extrusion
- Seal protects cargo area from dirt and moisture
- Panel mounted seal reduces wear and lasts longer



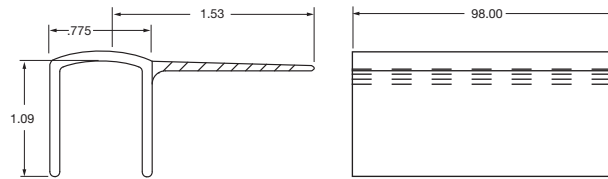
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	cross reference
<b>026-40204</b>	3.13	A	head seal assembly	96.00	T #70001, W #4032
<b>026-40202</b>	2.00	A	head seal retainer extrusion only	96.00	T #69790, 500000
<b>026-40200</b>	1.13	A	head seal only	96.00	T #69718, 630300

## PolyTrak® Head Seal and Retainer

### FEATURES

- Seal molded from long lasting rubber
- Renders easy replacement of top seal
- Seal protects cargo area from dirt and moisture
- Panel mounted seal reduces wear and lasts longer



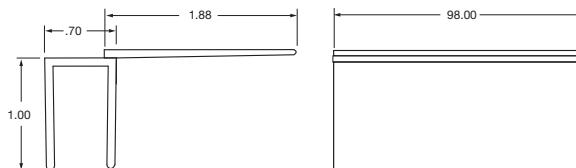
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length (in.)	cross reference
<b>026-40210</b>	3.13	A	head seal assembly	96.00	T #70001, W #4032

## ToughTrak® Head Seal and Retainer

### FEATURES

- Seal molded from long lasting rubber
- Renders easy replacement of top seal
- Seal protects cargo area from dirt and moisture
- Panel mounted seal reduces wear and lasts longer



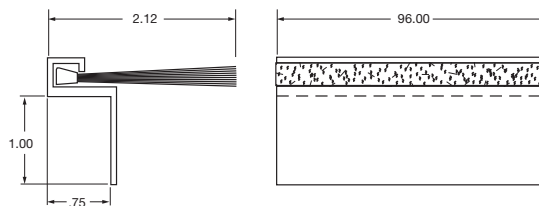
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	description	cross reference
<b>026-40300</b>	2.00	A	98.00	head seal assembly	-

## Brush Head Seal and Retainer

### FEATURES

- Nylon brush seals out dust better than rubber or vinyl
- Lasts longer and wears better because brush seal will not crack or dry out
- Top panel mounted for easy installation
- Retainer extrusion is constructed of high quality aluminum



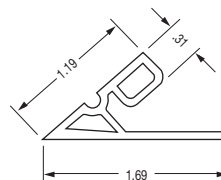
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	description	cross reference
026-40208	3.15	A	96.00	brush head seal assembly	-
026-40202	2.00	A	96.00	head seal retainer	T #69790, 500000
026-40206	1.15	A	96.00	brush seal only	-

## Standard Side Seal for Recessed 1" Roller Door

### FEATURES

- Extruded from long lasting rubber
- Seal protects cargo area from dirt and moisture
- Used with standard J channel vertical angle with 1.00" track
- 116.00" length



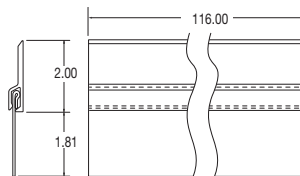
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
026-40410	1.30	A	T #69840, W #4019, 620200

## Side Seal Secondary

### FEATURES

- Heavy-duty side seal assembly with replaceable rubber seal mounts externally to outside frame for easy installation.
- Seal molded from nylon reinforced long lasting rubber
- Retainer extrusion is constructed of high quality aluminum
- 116.00" length



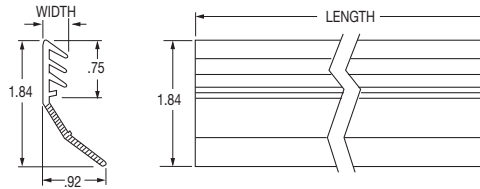
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
026-40600	4.08	A	side seal assembly	T #70105
026-40602	3.10	A	side seal retainer extrusion only	
026-40601	.98	A	side seal only	

## Dual Durometer Side Seal

### FEATURES

- Allows for easy door operation
- Seal protects cargo area from dirt and moisture
- Will not bunch up as bottom panel goes around top curve
- Co-extruded using rigid PVC backing with flexible PVC seal against the door
- For use with right angle vertical track
- Fits only right angle vertical track assembly



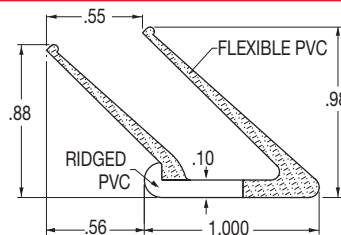
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	width (in.)
026-40400	1.29	A	116.00"	.34"
026-40401	1.57	A	114.00"	.55"

## Reefer Side Seal

### FEATURES

- Co-extruded using PVC backing with flexible PVC seal against the door



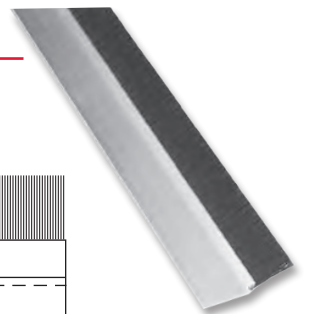
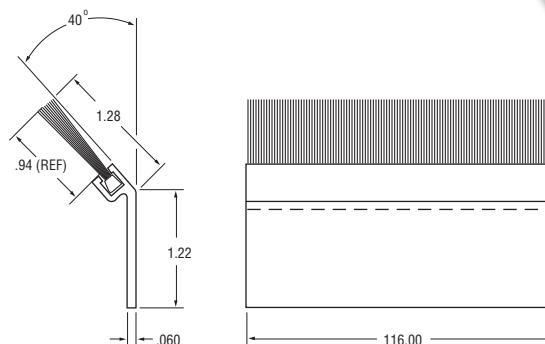
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
026-40402	1.45	A	98.00"	W # 7470

## Brush Side Seal and Retainer

### FEATURES

- Nylon brush seals out dust and moisture better than rubber
- Lasts longer and wears better because brush seal will not crack or warp like rubber
- Mounts outside of door against frame post for easy installation
- Retainer extrusion is constructed of high quality aluminum
- 116.00" length



### SPECIFICATIONS

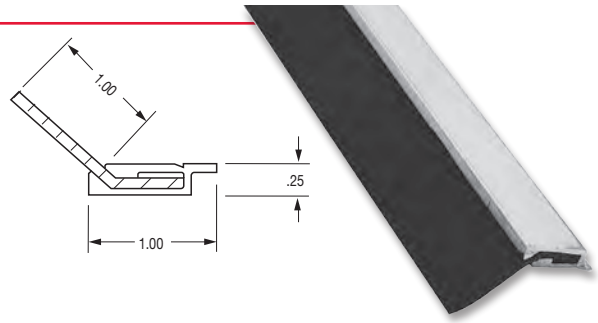
part no.	weight (lbs.)	pop. code	description
026-40702	1.84	A	brush side seal assembly



## Parcel Delivery Side Seal Assembly

### FEATURES

- Extra protection against dirt and moisture entering into the cargo area
- Heavy-duty design
- 116.00" length
- Seal molded from nylon reinforced, long lasting rubber and crimped to aluminum extrusion channel



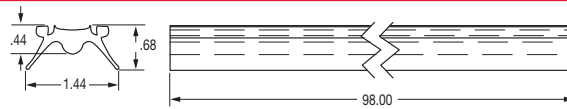
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
026-40500	.90	A	T #69922

## Bottom Seal for Flush Mount 2" Roller Door

### FEATURES

- Flexible PVC material



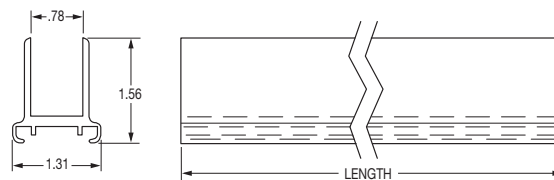
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
026-40027	1.67	A	W #1676

## U Channel Seal Retainer for Flush Mount 2" Roller Door

### FEATURES

- Aluminum extrusion construction



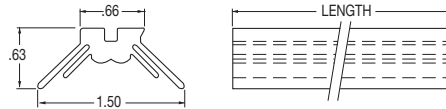
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length	cross reference
026-40026	4.18	A	96.00"	W #1801
026-40029	4.21	A	98.00"	-

## Offset Bottom Seal for Flush Mount 2" Roller Door

### FEATURES

- Co-extruded using rigid PVC backing with flexible PVC seal
- To be used with the offset U channel retainer only, part number 026-40037 or 026-40039



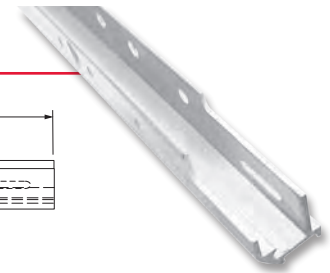
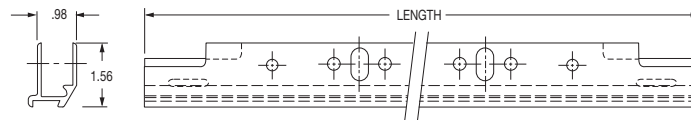
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
<b>026-40040</b>	1.16	A	96.00	W #5735
<b>026-40045</b>	1.18	A	98.00	-

## Offset U Channel Seal Retainer for Flush Mount 2" Roller Door

### FEATURES

- Aluminum extrusion construction
- Retainer is offset to allow header clearance with seal when door is in open position.



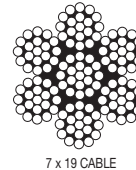
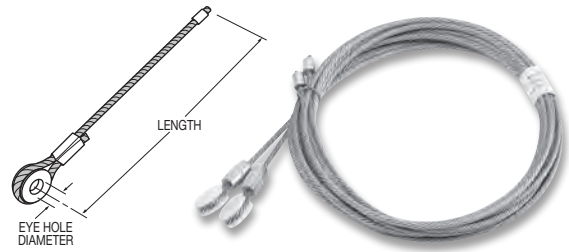
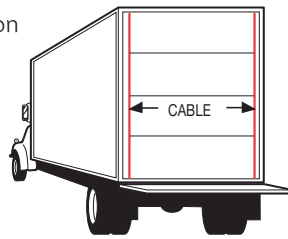
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	cross reference
<b>026-40037</b>	3.96	A	96.00	W #8280
<b>026-40039</b>	4.04	A	98.00	-

## Roll-Up Door Cables - Package Sets

### FEATURES

- Stainless steel or galvanized construction
- Package set part number represents one pair of cables in a plastic bag
- Three standard eye hole diameters: .27 (1/4"), .34 (5/16"), and .45 (7/16")
- .125" diameter, 7 x 7 or heavy-duty 7 x 19 aircraft cable construction
- Nylon eye ends are used on 1/4" and 7/16" eye cables which give superior strength and corrosion resistance
- Aluminum eye ends are used on 5/16" eye cables



### SPECIFICATIONS FOR STANDARD CABLES

part no.	weight (lbs.)	pop. code	cable length (in.)	cable eye	cable construction	cross reference
025-01064	.56	A	97.00	1/4	7 x 7 stainless	
025-01426	.56	A	97.00	1/4	7 x 19 stainless	W #4020-1
025-01065	.54	A	97.00	1/4	7 x 7 galvanized	
025-01428	.54	A	97.00	1/4	7 x 19 galvanized	
025-01036	.64	A	97.00	5/16	7 x 7 stainless	
025-01427	.64	A	97.00	5/16	7 x 19 stainless	W #1-7
025-01037	.62	A	97.00	5/16	7 x 7 galvanized	
025-01429	.62	A	97.00	5/16	7 x 19 galvanized	W #1-7
025-01081	.60	A	105.00	1/4	7 x 7 stainless	
025-01430	.60	A	105.00	1/4	7 x 19 stainless	W #4020-1
025-01076	.56	A	105.00	1/4	7 x 7 galvanized	
025-01432	.56	A	105.00	1/4	7 x 19 galvanized	
025-01066	.68	A	105.00	5/16	7 x 7 stainless	
025-01431	.68	A	105.00	5/16	7 x 19 stainless	
025-01067	.64	A	105.00	5/16	7 x 7 galvanized	
025-01433	.64	A	105.00	5/16	7 x 19 galvanized	
025-01028	.62	A	110.00	1/4	7 x 7 stainless	
025-01434	.62	A	110.00	1/4	7 x 19 stainless	W #4020-1
025-01029	.58	A	110.00	1/4	7 x 7 galvanized	
025-01436	.58	A	110.00	1/4	7 x 19 galvanized	T #51044
025-01098	.70	A	110.00	5/16	7 x 7 stainless	
025-01435	.70	A	110.00	5/16	7 x 19 stainless	W #1-8
025-01078	.66	A	110.00	5/16	7 x 7 galvanized	
025-01437	.66	A	110.00	5/16	7 x 19 galvanized	W #1-8
025-01030	.64	A	115.00	1/4	7 x 7 stainless	
025-01438	.64	A	115.00	1/4	7 x 19 stainless	T #59004, W #4020-1
025-01031	.60	A	115.00	1/4	7 x 7 galvanized	
025-01440	.60	A	115.00	1/4	7 x 19 galvanized	T #59004
025-01100	.72	A	115.00	5/16	7 x 7 stainless	
025-01439	.72	A	115.00	5/16	7 x 19 stainless	
025-01088	.68	A	115.00	5/16	7 x 7 galvanized	
025-01441	.68	A	115.00	5/16	7 x 19 galvanized	

## SPECIFICATIONS FOR STANDARD CABLES CONTINUED

part no.	weight (lbs.)	pop. code	cable length (in.)	cable eye	cable construction	cross reference
025-01119	.66	A	120.00	1/4	7 x 7 stainless	
025-01442	.66	A	120.00	1/4	7 x 19 stainless	T #59003, W #4020-1
025-01069	.62	A	120.00	1/4	7 x 7 galvanized	
025-01444	.62	A	120.00	1/4	7 x 19 galvanized	T #59003
025-01068	.74	A	120.00	5/16	7 x 7 stainless	
025-01443	.74	A	120.00	5/16	7 x 19 stainless	
025-01070	.70	A	120.00	5/16	7 x 7 galvanized	
025-01445	.70	A	120.00	5/16	7 x 19 galvanized	
025-01126	.70	A	125.00	1/4	7 x 7 stainless	
025-01446	.70	A	125.00	1/4	7 x 19 stainless	T #59003, W #4020-1
025-01074	.66	A	125.00	1/4	7 x 7 galvanized	
025-01448	.66	A	125.00	1/4	7 x 19 galvanized	T #59003
025-01038	.78	A	125.00	5/16	7 x 7 stainless	
025-01447	.78	A	125.00	5/16	7 x 19 stainless	W #1-1
025-01039	.74	A	125.00	5/16	7 x 7 galvanized	
025-01449	.74	A	125.00	5/16	7 x 19 galvanized	W #1-1
025-01034	.72	A	130.00	1/4	7 x 7 stainless	
025-01450	.72	A	130.00	1/4	7 x 19 stainless	T #59003
025-01035	.68	A	130.00	1/4	7 x 7 galvanized	
025-01452	.68	A	130.00	1/4	7 x 19 galvanized	T #59003
025-01102	.80	A	130.00	5/16	7 x 7 stainless	
025-01451	.80	A	130.00	5/16	7 x 19 stainless	W #1-4
025-01123	.76	A	130.00	5/16	7 x 7 galvanized	
025-01545	.76	A	130.00	5/16	7 x 19 galvanized	W #1-4

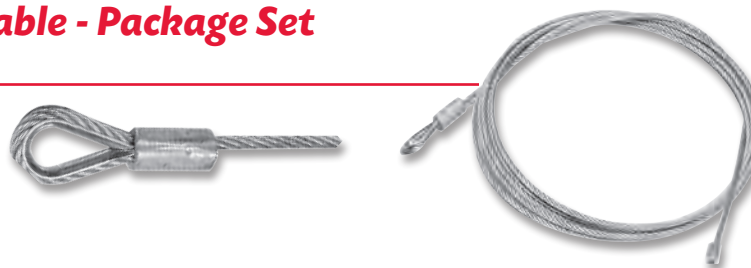
## SPECIFICATIONS FOR MISCELLANEOUS CABLES

part no.	weight (lbs.)	pop. code	cable length (in.)	cable eye	cable construction	cross reference
025-01052	.66	B	105.00	7/16	7 x 7 stainless	W #T112-1
025-01053	.66	B	105.00	7/16	7 x 7 galvanized	W #T112-1
025-01055	.70	B	110.00	7/16	7 x 7 galvanized	
025-01056	.72	B	115.00	7/16	7 x 7 stainless	W #T112-2
025-01057	.72	B	115.00	7/16	7 x 7 galvanized	W #T112-2
025-01058	.76	B	125.00	7/16	7 x 7 stainless	W #T112-3
025-01059	.75	B	125.00	7/16	7 x 7 galvanized	W #T112-3
025-01075	.80	B	130.00	7/16	7 x 7 galvanized	

## Beverage Body Roll-Up Door Cable - Package Set

### FEATURES

- Package set part number represents one pair of cables
- Zinc plated tear drop



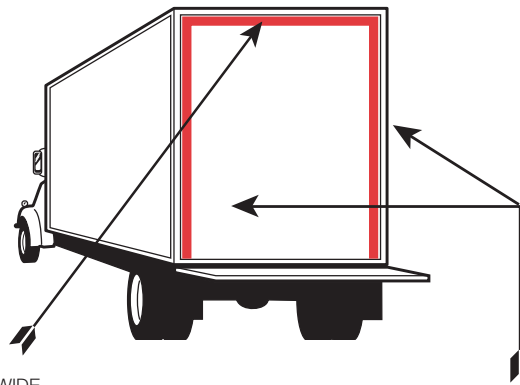
## SPECIFICATIONS FOR STANDARD CABLES

part no.	weight (lbs.)	pop. code	cable length (in.)	cable eye	cable construction
025-01575	.57	B	110.00	1/4	7 x 7 galvanized

# Rear Frame Conversion Bulk Kits - 2" Width

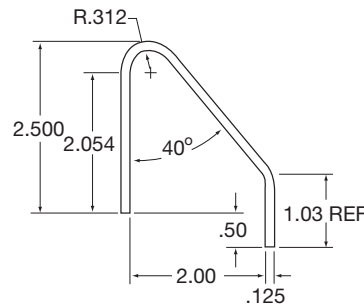
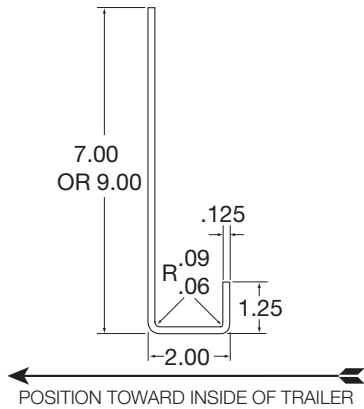
## FEATURES

- Converts swing doors to roll-up doors.
- Remove old swing doors and weld conversion corner post and header in its place. Vehicle is now ready for roll-up door installation
- Corner post has added lip length to allow easier welding during installation
- Steel construction- .125 thick
- Each bulk kit includes two corner posts and one header
- Plain finish



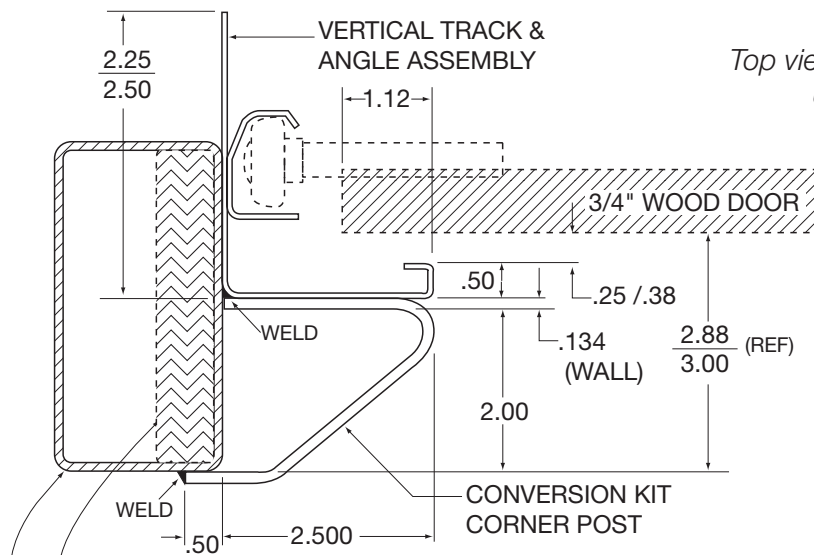
HEADER  
102.00" WIDE

CORNER POST  
120.00" LONG



## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
025-60407	89.20	A	conversion bulk kit with 7" header - 2" wide
025-60409	96.40	A	conversion bulk kit with 9" header - 2" wide
025-60410	26.82	A	corner post only - 2" wide x 120" long
025-60411	35.54	A	7" header only - 2" wide x 102" long
025-60412	42.77	A	9" header only - 2" wide x 102" long



Top view of installation shown,  
Using 1.00" roller

- 3/4" X 4" BAR REAR CORNER POST (ON VEHICLE)
- 2" X 4" TUBULAR REAR CORNER POST (ON VEHICLE)

# Louvered Vents

## FEATURES

- Slide arm opens/closes vent
- The back has four 2" diameter holes for air flow
- Plain or white enamel finish
- Adjustable and non-adjustable (always open) air flow available

## ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



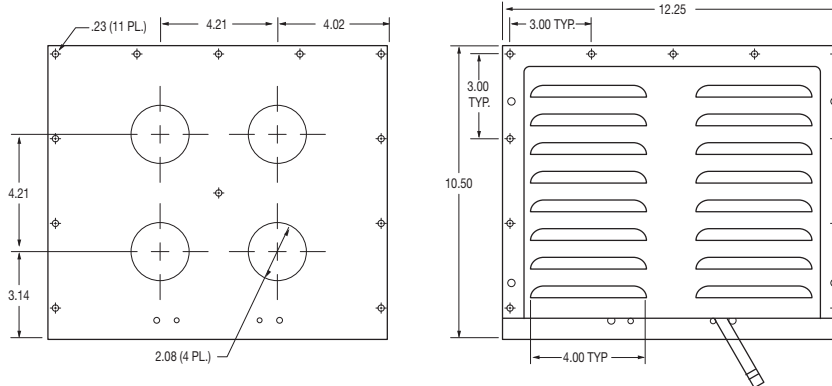
Adjustable - Aluminum



Non-Adjustable - White

## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	finish	adjustable	cross ref.
<b>024-03000</b>	1.32	A	aluminum	plain	yes	#20
<b>024-03005</b>	1.32	A	aluminum	white enamel	yes	-
<b>024-03001</b>	.47	A	aluminum	plain	no (open)	-
<b>024-03006</b>	.47	A	aluminum	white enamel	no (open)	-



Adjustable Louvered Vent Shown

DOOR SOLUTIONS  
LOUVERED VENTS

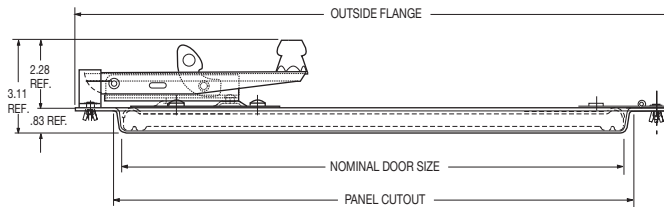




# F1 Dry Freight Vent Doors

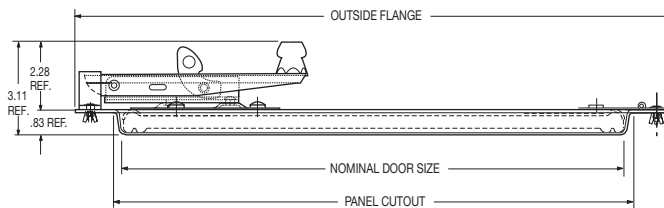
## FEATURES

- Double seal foamed door
- Anti-intrusion screen for security and allows more air flow than others
- Choice of white epoxy powder coat, anodized aluminum, or stainless steel door face finishes
- One piece anodized aluminum frame for strength and easy installation
- Rubber hold back knob on latch (included) holds door securely in place when open
- Door embossed for added strength
- Available with holes in frame
- All stainless steel hardware



## 17.00 X 11.38 DOOR SIZE SPECIFICATIONS

part no.	weight (lbs.)	pop. code	nominal door size (in.)	door finish	anti-intrusion screen	outside flange (in.)	panel cutout (in.)	cross reference
024-02500	5.73	A	17.00 x 11.38	aluminum	yes	20.00 x 15.00	17.50 x 12.00	P1077, P1073
024-02501	5.73	A	17.00 x 11.38	white	yes	20.00 x 15.00	17.50 x 12.00	P1077-W, P1073-W
024-02502	7.28	A	17.00 x 11.38	s. steel	yes	20.00 x 15.00	17.50 x 12.00	P1077-SS, P1073-SS



## 17.00 X 7.00 DOOR SIZE SPECIFICATIONS

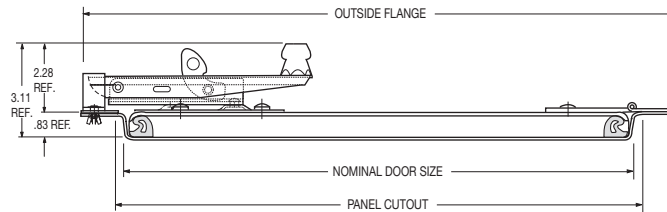
part no.	weight (lbs.)	pop. code	nominal door size (in.)	door finish	anti-intrusion screen	outside flange (in.)	panel cutout (in.)	cross reference
024-02508	4.23	A	17.00 x 7.00	aluminum	yes	20.00 x 10.00	17.50 x 7.50	P1072, P1076
024-02509	4.23	A	17.00 x 7.00	white	yes	20.00 x 10.00	17.50 x 7.50	P1072-W, P1076-W
024-02510	5.10	A	17.00 x 7.00	s. steel	yes	20.00 x 10.00	17.50 x 7.50	P1072-SS, P1076-SS

**NOTE:** If latch replacement is needed, style on original vent door must be used, see page 58

# G1 Dry Freight Vent Doors

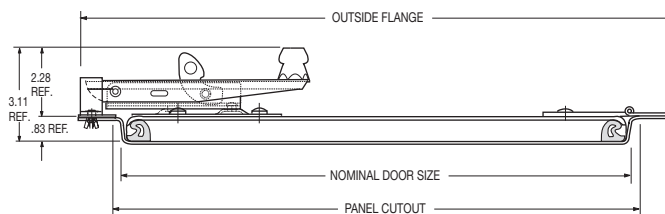
## FEATURES

- One piece anodized aluminum frame for strength and easy installation
- Choice of white epoxy powder coat, anodized aluminum, or stainless steel door face finishes
- Anti-intrusion screen for security and allows more air flow than others
- All stainless steel hardware
- Rubber hold back knob on latch (included) holds door securely in place when open
- With gasket seal
- Door embossed for added strength



## 17.00 X 11.38 DOOR SIZE SPECIFICATIONS

part no.	weight (lbs.)	pop. code	nominal door size (in)	door finish	outside flange (in.)	panel cutout (in.)	cross reference
024-02590	5.06	A	17.00 x 11.38	aluminum	20.00 x 15.00	17.50 x 12.00	P1077, P1073
024-02591	5.06	A	17.00 x 11.38	white	20.00 x 15.00	17.50 x 12.00	P1077-W, P1073-W
024-02592	6.23	A	17.00 x 11.38	s. steel	20.00 x 15.00	17.50 x 12.00	P1077-SS, P1073-SS



## 17.00 X 7.00 DOOR SIZE SPECIFICATIONS

part no.	weight (lbs.)	pop. code	nominal door size (in)	door finish	outside flange (in.)	panel cutout (in.)	cross reference
024-02595	3.84	A	17.00 x 7.00	aluminum	20.00 x 10.00	17.50 x 7.50	P1072, P1076
024-02596	3.84	A	17.00 x 7.00	white	20.00 x 10.00	17.50 x 7.50	P1072-W, P1076-W
024-02597	4.84	A	17.00 x 7.00	s. steel	20.00 x 10.00	17.50 x 7.50	P1072-SS, P1076-SS

**NOTE:** If latch replacement is needed, style on original vent door must be used, see page 58

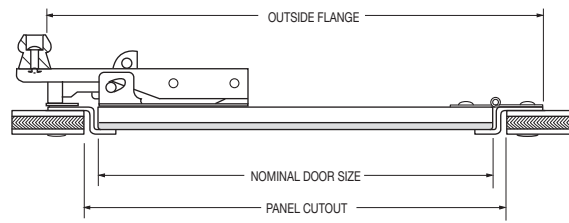
DOOR SOLUTIONS DRY FREIGHT VENT DOORS



## Traditional Style Long Side Opening Dry Freight Vent Doors

### FEATURES

- Anti-intrusion screen available
- Your choice of white baked-on enamel, aluminum, or stainless steel door face finishes
- Rubber hold-back kit included
- Uses one piece aluminum frame
- Contact us about doors and options not shown



### SPECIFICATIONS

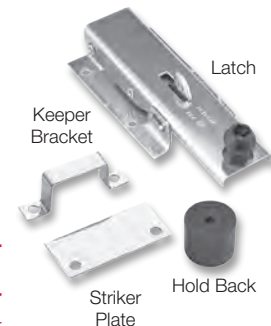
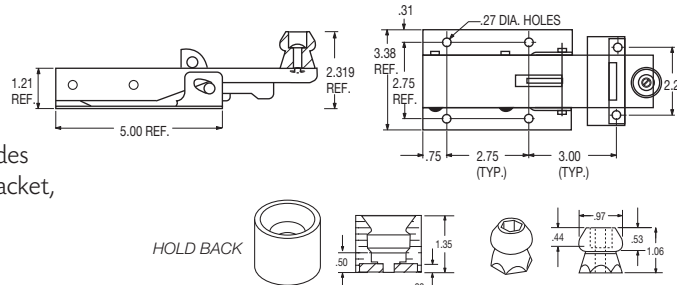
part no.	weight (lbs.)	pop. code	nominal door size (in.)	door finish	anti-intrusion screen	flange (in.)	outside cutout (in.)	panel
024-02257	7.00	C	17.00 x 11.38	aluminum	yes	20.00 x 15.00	17.50 x 12.00	
024-02261	7.00	C	17.00 x 11.38	white	yes	20.00 x 15.00	17.50 x 12.00	
024-02268	8.50	C	17.00 x 11.38	s. steel	yes	20.00 x 15.00	17.50 x 12.00	

**NOTE:** If latch replacement is needed, style on original vent door must be used, see below

## Vent Door Latch Assembly and Components (Old Style)

### FEATURES

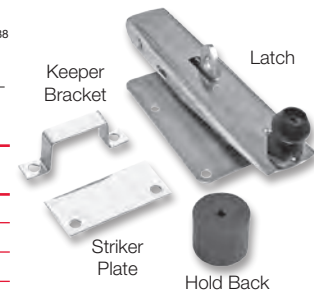
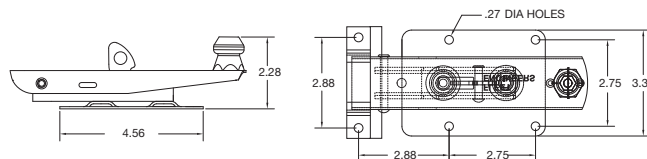
- Stainless steel construction
- Built in anti-theft capability
- Spring assisted pressure closing feature
- Latch assembly bulk kit includes latch, striker plate, keeper bracket, and female door hold back



### OLD STYLE SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
023-00497	1.09	A	latch assembly bulk kit
021-00098	.06	A	striker plate
021-00099	.04	A	keeper bracket
021-00309	.30	A	door hold back package set (includes male and female ends)

**NOTE:** If latch replacement is needed, style on original vent door must be used



### NEW STYLE SPECIFICATIONS

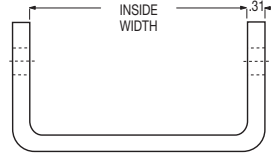
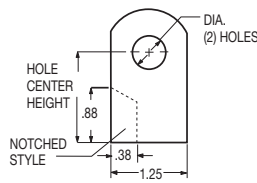
part no.	weight (lbs.)	pop. code	description	cross reference
024-03089	.91	A	latch assembly bulk kit	10-1900 S/S
024-03059	.06	A	keeper bracket	
024-03060	.04	A	striker plate	
021-00309	.30	A	door hold back pkg. set (includes male and female ends)	

**NOTE:** If latch replacement is needed, style on original vent door must be used

# One-Piece Weld-On Hinge Butts (Custom)

## FEATURES

- .31" hot rolled steel stamping
- Plain, zinc plated, or stainless steel available
- Straight type or notched type available
- Optional hardware available - see hinge pins on pages 146-147



## SPECIFICATIONS

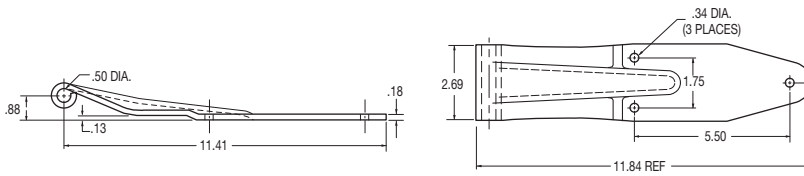
part no.	weight (lbs.)	pop. code	style	construction	hole dia.	inside width(in.)	height to hole center (in.)	rec. hinge	cross reference
<b>023-00583</b>	.80	A	notched	matte stainless steel	.51	2.88	1.75	022-00888, 022-00889	Dorsey
<b>023-00586</b>	.80	A	notched	matte stainless steel	.51	2.88	2.12		Dorsey
<b>023-00585</b>	.82	C	straight	matte stainless steel	.51	2.88	1.25		Dorsey
<b>023-01569</b>	.80	B	notched	plain steel	.51	2.88	2.12		Dorsey
<b>023-00639</b>	.77	B	straight	zinc plated	.51	4.25	1.12	022-00030	Miller
<b>023-00641</b>	.90	B	straight	zinc plated	.51	4.25	1.75		Miller
<b>023-00642</b>	.81	B	straight	zinc plated	.51	3.25	1.50	022-00490	Strick
<b>023-00645</b>	.60	A	notched	zinc plated	.51	4.25	1.12	022-00614	Kentucky
<b>023-00652</b>	.62	C	straight	plain steel	.51	2.88	1.25		Dorsey
<b>023-00659</b>	.61	A	notched	plain steel	.51	4.25	1.12		
<b>023-00660</b>	.81	A	straight	plain steel	.51	2.88	2.13		Dorsey
<b>023-00662</b>	.61	A	notched	plain steel	.51	2.88	1.75	022-00888, 022-00889	Dorsey
<b>023-00664</b>	.69	A	notched	zinc plated	.51	4.25	1.38	023-00559	#HB-1156-6
<b>023-00669</b>	.54	A	notched	plain steel	.51	3.00	1.38	022-00975, 022-01047, 022-01105, 022-01182	Wabash
<b>023-00674</b>	.89	B	notched	zinc plated	.51	4.25	1.88	023-00557	Fruehauf
<b>023-00675</b>	.60	C	straight	zinc plated	.51	2.25	1.13	022-00013	Fruehauf
<b>023-00678</b>	.76	B	notched	plain steel	.63	3.00	1.63	023-00940	Trailmobile
<b>021-00308</b>	.50	A	notched	s.s cast	.51	3.00	1.38	022-00975, 022-01047, 022-01182	Wabash



## Dorsey Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



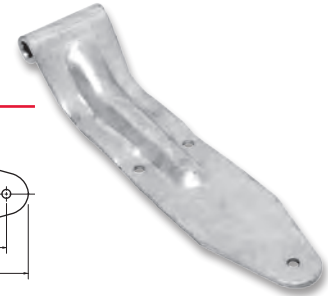
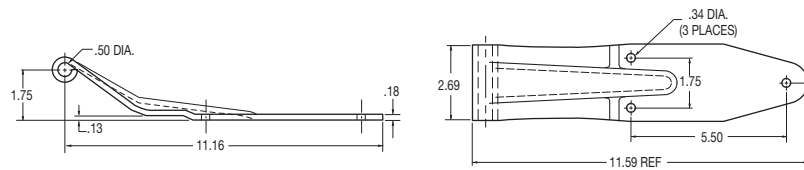
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-00391	1.75	A	997-98022	Dorsey #4101482

## Dorsey Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



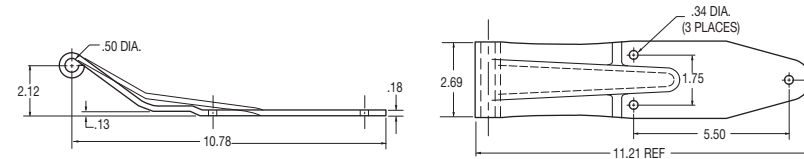
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-00392	1.75	A	997-98022	Dorsey #4101481

## Dorsey Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-00393	1.75	A	997-98022	Dorsey #5609022

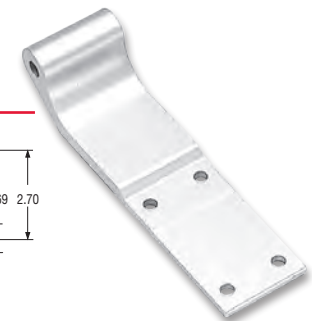
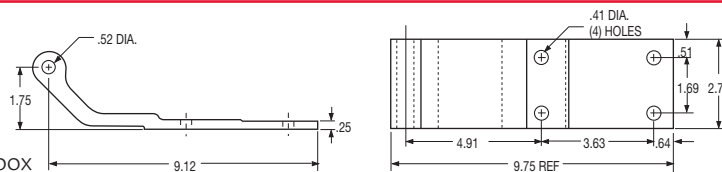
## Dorsey Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
022-00888	1.20	A	023-00662	997-98022	Dorsey #2810093

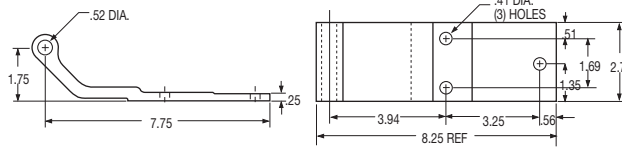
## Dorsey Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



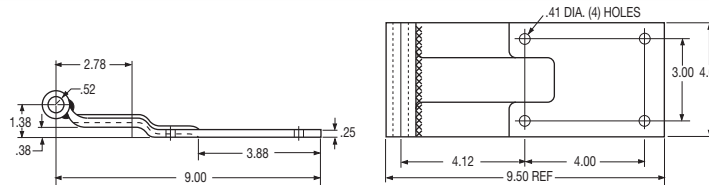
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
022-00889	.80	A	023-00662	997-98022	Dorsey #2810919

## Four-Hole Hinge

### FEATURES

- Steel construction



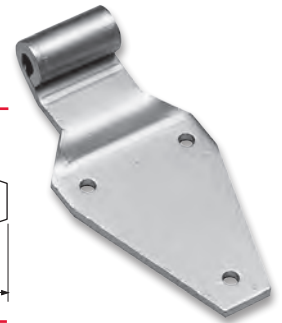
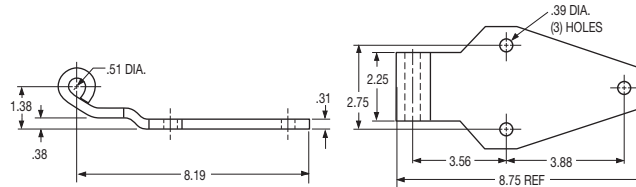
### SPECIFICATIONS

part no.	weight (lbs.)	popularity code	mounting holes	recommended hinge butt	recommended hinge pin	cross reference
022-00824	3.20	C	four	023-00664	997-98017	1809-004-B

## Fruehauf Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



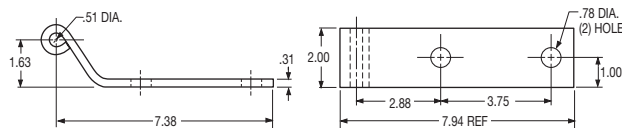
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-00007	2.40	C	Fruehauf #DCA-02-42

## Fruehauf Style Two-Hole Hinge and Hardware

### FEATURES

- Steel stamping
- Zinc plated finish



Dry Freight Screw & Nut

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
022-00013	1.75	A	door hinge	Fruehauf #DXA-0687
996-01900	.05	A	dry freight door screw	Fruehauf #DXA-000696 PK1



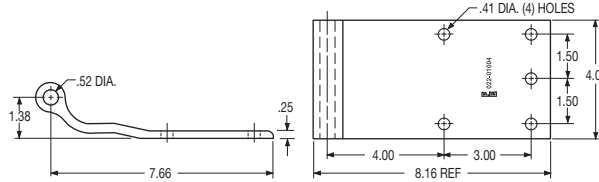
## Fruehauf Style Five-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



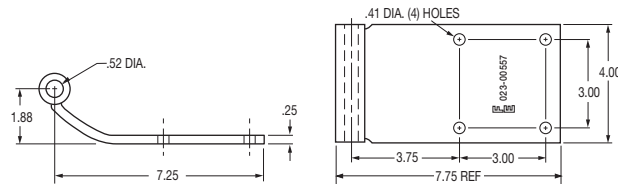
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-01004	1.06	A	997-98017	Fruehauf BCF004678001, Fruehauf #DBA00158300

## Fruehauf Style Four-Hole Hinge (Radius Offset)

### FEATURES

- Steel construction
- Zinc plated finish



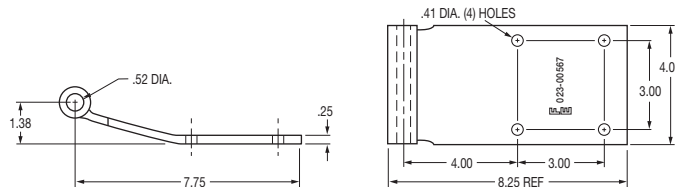
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
023-00557	2.80	A	997-98017	Fruehauf #DCE-8681-1

## Fruehauf Style Four-Hole Hinge (Straight Offset)

### FEATURES

- Steel construction
- Zinc plated finish



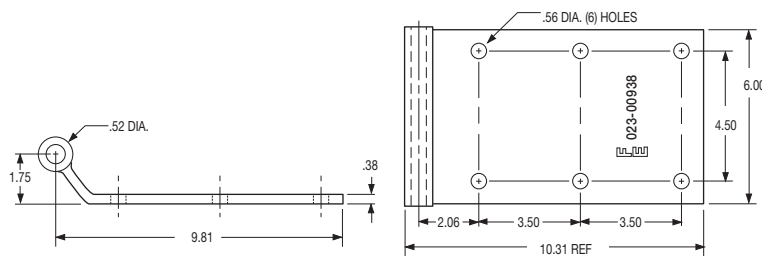
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
023-00567	2.80	A	997-98017	Fruehauf #DCF-3980-1

## Fruehauf Style Six-Hole Hinge

### FEATURES

- Steel construction
- Zinc plated finish



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
023-00938	7.30	C	Fruehauf #DCF-00451

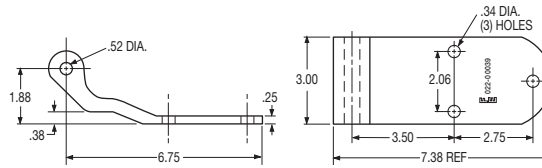
## Gindy Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>022-00039</b>	1.00	B	Gindy #H04-B01073

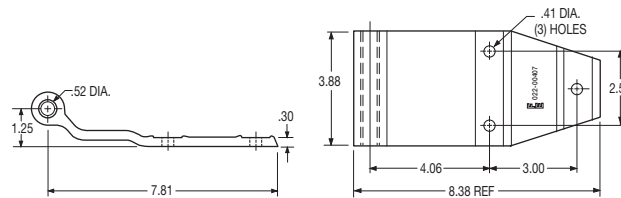
## Great Dane Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-00407</b>	1.19	A	997-98027	Great Dane #31801018

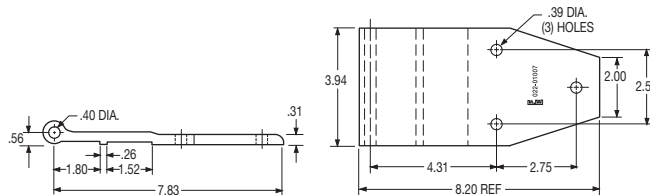
## Great Dane Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-01007</b>	.96	A	997-98015	Great Dane #15152

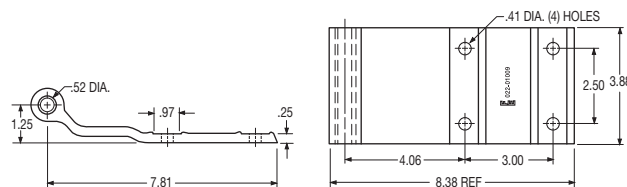
## Great Dane Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-01009</b>	1.19	A	997-98027	Great Dane #027-14488

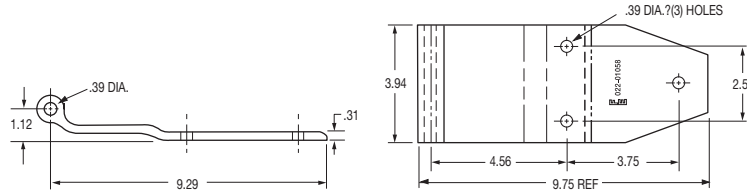
## Great Dane Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-01058</b>	1.16	A	997-98015	Great Dane #47563

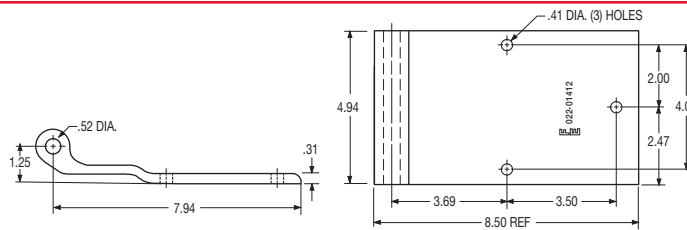
## Great Dane Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-01412</b>	1.20	A	-	Great Dane #43000124

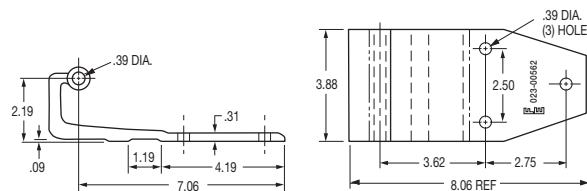
## Great Dane Style Three-Hole Hinge (Reefer)

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>023-00562</b>	1.40	A	997-98015	Great Dane #08206

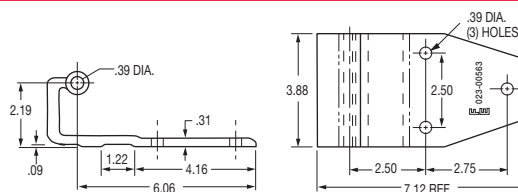
## Great Dane Style Three-Hole Hinge (Dry Freight)

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>023-00563</b>	1.20	A	997-98015	Great Dane #08138

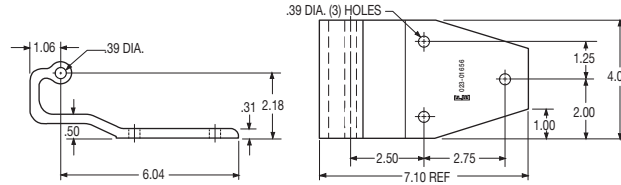
## Great Dane Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
023-01656	1.20	A	997-98015	Great Dane #42500813

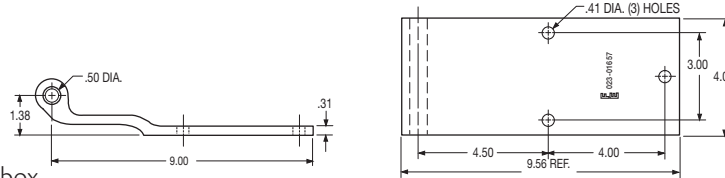
## Hyundai Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



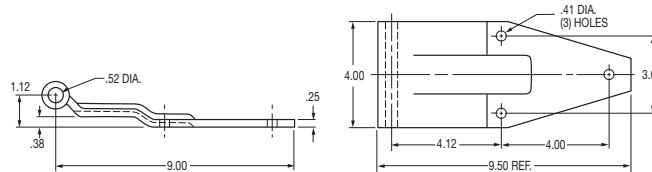
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
023-01657	1.51	A	Hyundai TRR7000C-AH and #20003977

## Kentucky Style Three-Hole Hinge

### FEATURES

- Steel construction
- Zinc plated finish
- Reinforcing rib



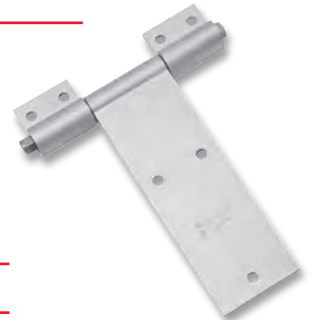
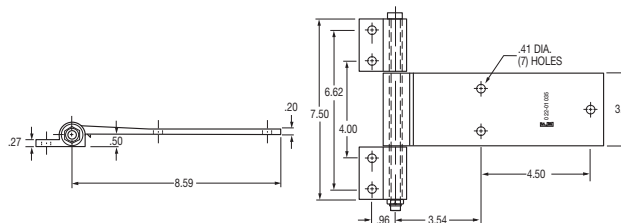
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
022-00614	2.70	B	023-00645	997-98017	Kentucky #2906, Eberhard #A1-5984-50

## Kentucky Style "Side Door" Hinge Assembly and Components

### FEATURES

- Aluminum extrusions
- With inserts



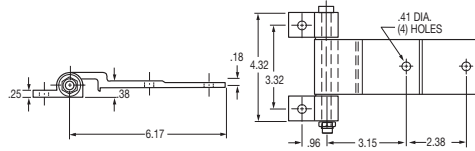
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
022-01035	1.47	A	assembly	Kentucky #6616396000
022-01092	0.71	A	hinge strap only	
022-01093	0.23	A	hinge butt only - two bolt	

## Kentucky Style "Belly Box" Hinge Assembly and Components

### FEATURES

- Aluminum extrusions
- With inserts



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>022-01040</b>	.65	A	assembly	Kentucky #6616600000
<b>022-01090</b>	.41	A	hinge strap only	
<b>022-01091</b>	.10	A	hinge butt only - single bolt	

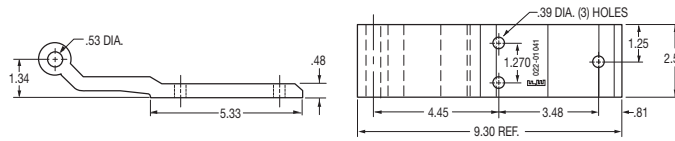
## Manac Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>022-01041</b>	1.15	A	Manac, #V3K00002

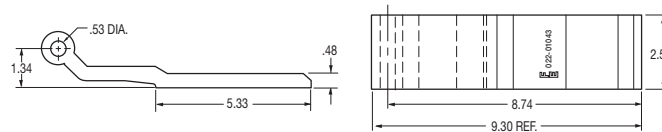
## Manac Style Hinge (No Holes)

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



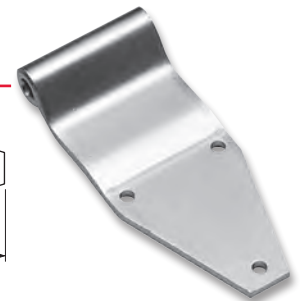
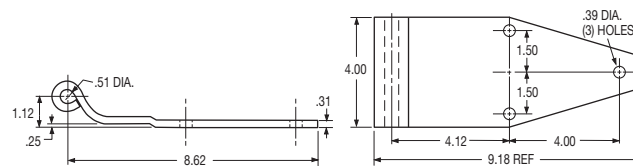
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>022-01043</b>	1.15	A	Manac #353-239

## Miller Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish
- See page 149 for Miller style hinge assemblies



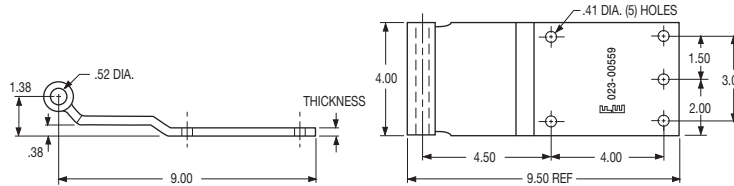
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
<b>022-00030</b>	3.34	A	997-98017 021-00376	American #4-18-0055, Eberhard #5897, Miller #B17-0116C, Timpte #5897-2

## Miner Style Five-Hole Hinge

### FEATURES

- Steel construction
- Zinc plated finish



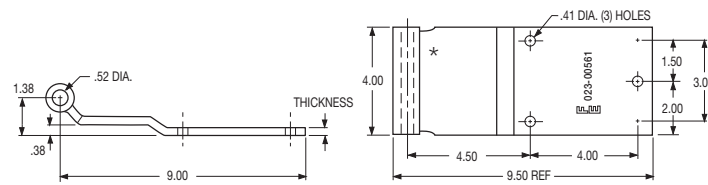
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	thickness (in.)	mounting holes	rec. hinge butt	rec. hinge pin	zerk fitting	cross reference
023-00559	3.70	A	.31	five	023-00664	997-98017	no	H-1060-3, H-1060-4

## Miner Style Three and Five-Hole Hinges

### FEATURES

- Steel construction
- Zinc plated or hot-dipped galvanized finish
- Available with or without zerk fitting
- Available with or without collar type inserts 023-02009 is 4.18"



023-00561  
Shown

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	thickness (in.)	mnt'g. holes	finish	inserts	rec. hinge butt	rec. hinge pin	zerk fitting	cross reference
023-00561	3.10	A	.25	three	zinc	no	023-00664	997-98017	no	H-1081-3
023-01502	3.10	A	.25	three	zinc	no	023-00664	997-98017	yes	H-1081-3Z
023-02009	3.70	A	.25	five	galvan.	yes		997-98017	no	P108835, P108845, P108855

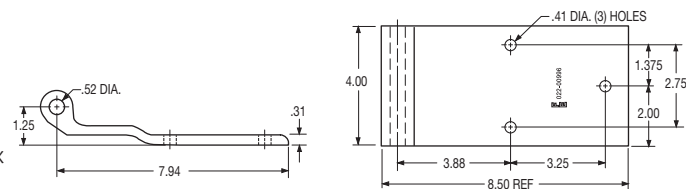
## Monon Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-00996	1.33	A	Monon #PC1310

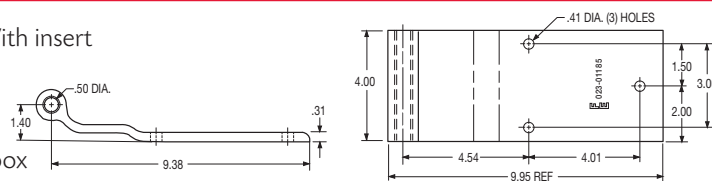
## Monon Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion • With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01185	1.32	A	Monon #ED045011



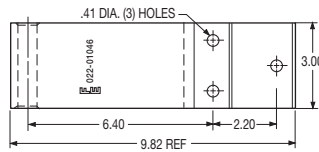
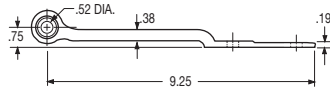
## Morgan Style Three-Hole Hinge (Dry Freight Rear Door)

### FEATURES

- Aluminum extrusion
- With Insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01046	1.01	A	Morgan #004161

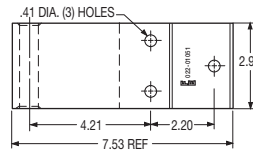
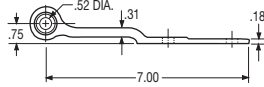
## Morgan Style Three-Hole Hinge (Dry Freight Side Door)

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01051	.66	A	Morgan #004141

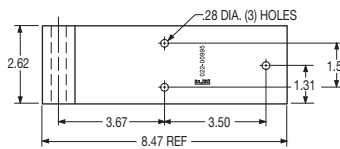
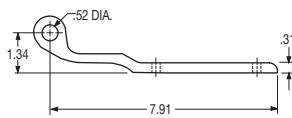
## Pines Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-00995	.84	A	Pines #AE54111, REB-0395

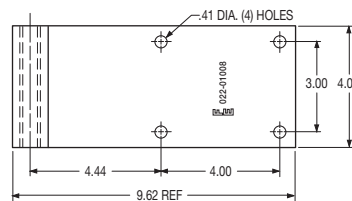
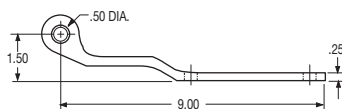
## Stoughton Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



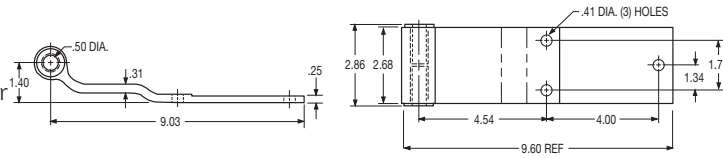
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-01008	1.46	A	997-98017, 021-00376	Stoughton #04-08316-000-00

## Stoughton Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion
- With inserts that have "collars" - making it easier to open and close doors



### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box

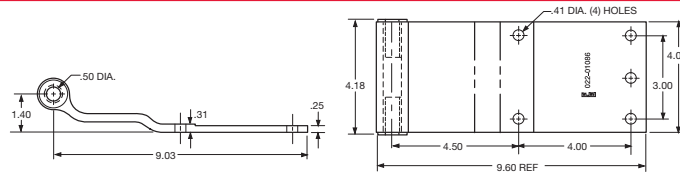
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01081	.86	A	Stoughton #04-86386-001-00, #H-1086, #P108630

## Stoughton Style Five-Hole Hinge

### FEATURES

- Aluminum extrusion
- With inserts that have "collars" - making it easier to open and close doors
- Five hole design covers both three and four hole applications - reduces inventory



### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box

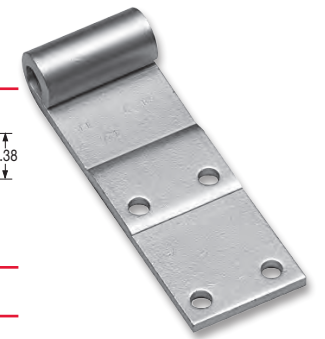
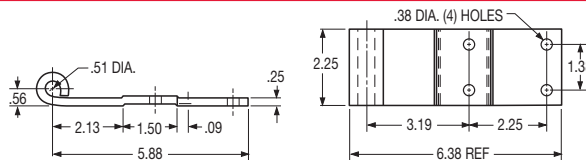
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01086	1.26	A	#P108530, #P108540, #H-1085

## Strick Style Four-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



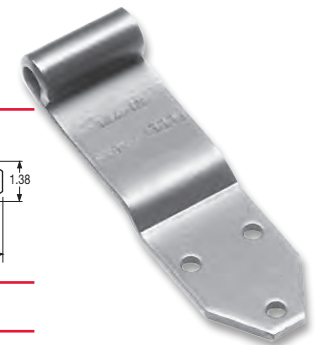
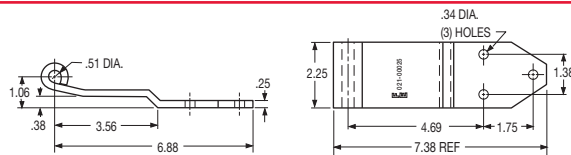
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
021-00010	1.20	B	Strick #6A-23557 and #AA35F00020100

## Strick Style Three-Hole Hinge (Offset)

### FEATURES

- Steel stamping
- Zinc plated finish



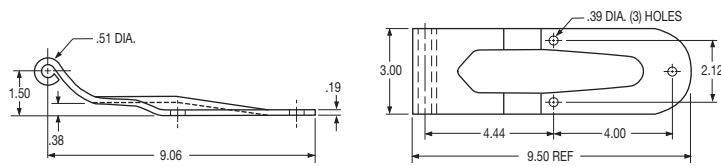
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
021-00025	1.30	B	Strick #AA35F00040100

## Strick Style Three-Hole Hinge (with Stamped Reinforcing Rib)

### FEATURES

- Steel construction
- Hot dip galvanized finish
- Stamped reinforcing rib



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge butt	cross reference
022-00490	1.70	A	023-00642	Strick #AA33C01060100

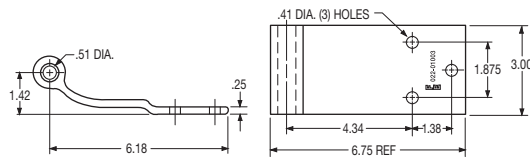
## Strick Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01003	.65	A	Strick #AA35F00100100

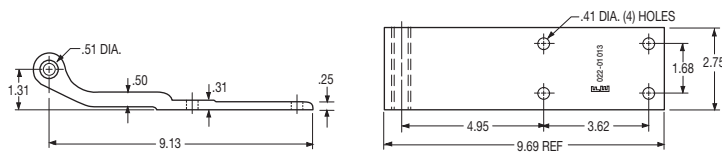
## Strick Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion
- With insert

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01013	1.13	A	Strick #AA35F00230100

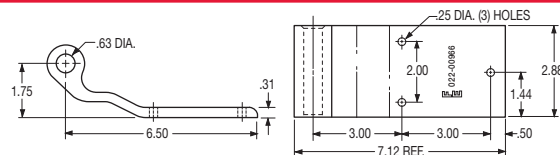
## Trailmobile Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
022-00966	.90	A	023-00678	997-98016	Trailmobile #515-10-65

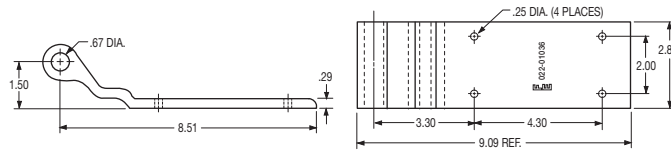
## Trailmobile Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



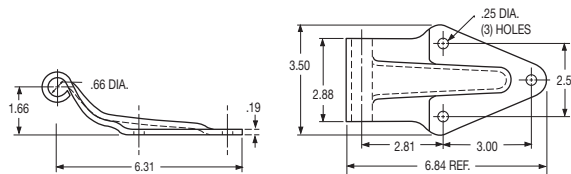
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-01036	.96	A	997-98016	Trailmobile #515-10-78-1

## Trailmobile Style Three-Hole Hinge

### FEATURES

- Steel stamping
- Zinc plated finish



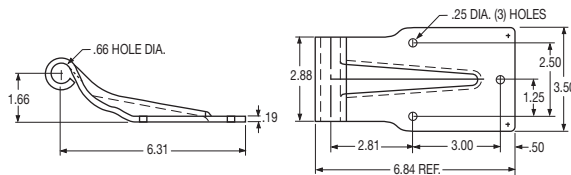
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
023-00008	1.20	A	023-00678	997-98016	Trailmobile #515-10-61A

## Trailmobile Style Three-Hole Hinge (Square End)

### FEATURES

- Steel stamping
- Zinc plated finish



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	recommended hinge butt	recommended hinge pin	cross reference
023-00940	1.40	A	023-00678	997-98016	Trailmobile #515-10-73A

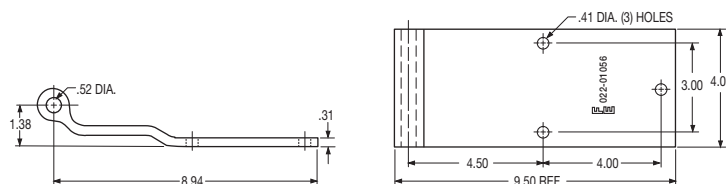
## Utility Style Three-Hole Hinge

### FEATURES

- Aluminum hinge

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-01056	1.36	A	997-98017 or 997-98020	Utility #3410019

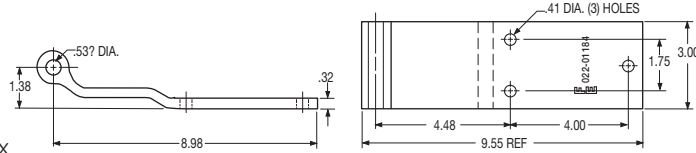
## Utility Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



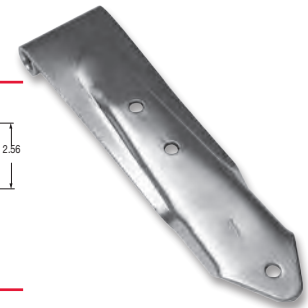
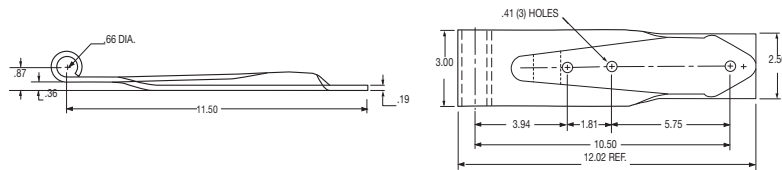
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-01184	1.07	A	Utility #3-4100-0022

## Utility Style Three-Hole Hinge

### FEATURES

- Steel construction
- Zinc plated finish
- Stamped reinforcing rib



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
023-00943	2.19	A	997-98019	Utility #1-4950-004

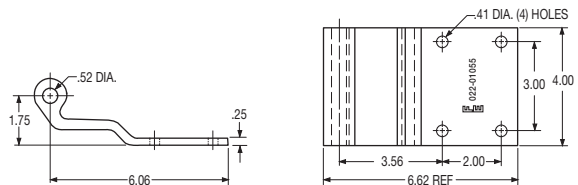
## Vanco Style Four-Hole Hinge

### FEATURES

- Aluminum Hinge

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge pin	cross reference
022-01055	1.10	A	997-98017, 021-00376	Vanco #20038

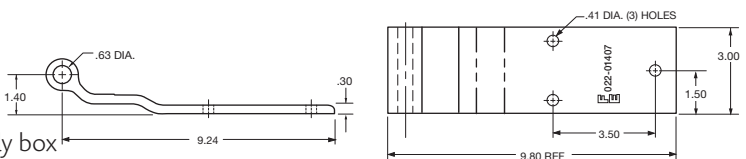
## Vanguard Style Three-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
022-01407	1.07	A	hinge only	RFP00127
022-01404	.001	A	insert only	BSH-0001

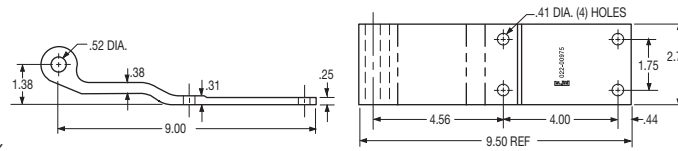
## Wabash Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge butt	cross reference
022-00975	1.01	A	023-00669, 021-00308	WAB06300291, Wabash #21100291

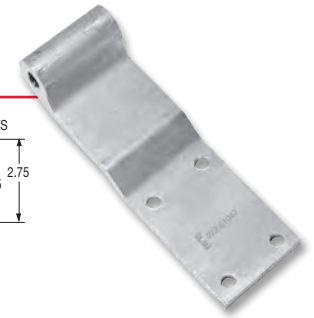
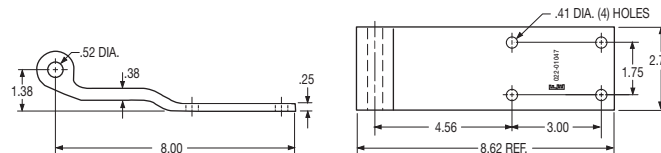
## Wabash Style Four-Hole Hinge (Reefer)

### FEATURES

- Aluminum extrusion

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	recommended hinge butt	cross reference
022-01047	.96	A	023-00669, 021-00308	WAB06301272, Wabash #21101272

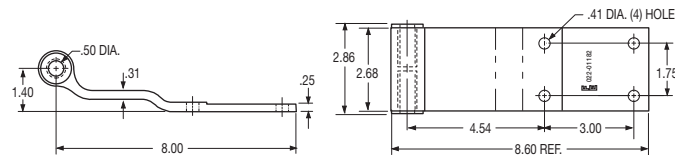
## Wabash Style Four-Hole Hinge

### FEATURES

- Aluminum extrusion
- With inserts that have "collars" - making it easier to open and close doors

### ORDER DETAILS

- Orders in multiples of 10 shipped in shelf-ready box



### SPECIFICATIONS

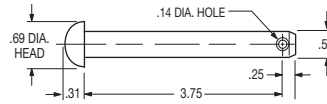
part no.	weight (lbs.)	pop. code	recommended hinge butt	cross reference
022-01182	.78	A	023-00669, 021-00308	WAB06301527, WAB06302245, Miner #1089, Miner #P108940



## Dorsey Style Hinge Pin

### FEATURES

- Zinc plated finish
- End hole for cotter pin



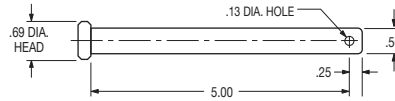
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98022	.23	A	.50	4.00	994-00105	Dorsey #5248614

## Fruehauf and Miner Style Hinge Pin

### FEATURES

- End hole for cotter pin



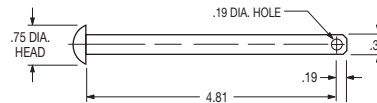
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98017	.30	A	zinc plated hinge pin	.50	5.25	994-00105	Fruehauf #WCE007812-001 Miner #HP-1054-4
997-98020	.30	A	stainless steel hinge pin	.50	5.25	994-00105	Miner #HP-1054-9
993-00109	.02	A	SAE zinc washer				Miner #HW-1054-8x

## Great Dane Style Hinge Pin (Round Head)

### FEATURES

- Zinc plated finish
- End hole for cotter pin



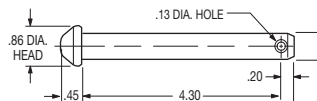
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98015	.17	A	.38	5.00	994-00105	Great Dane #44573

## Great Dane Style Hinge Pin

### FEATURES

- Zinc plated finish
- End hole for cotter pin



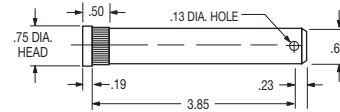
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98027	.29	A	.50	4.50	994-00105	Great Dane #3190100

## Trailmobile Style Hinge Pin

### FEATURES

- Zinc plated finish
- End hole for cotter pin



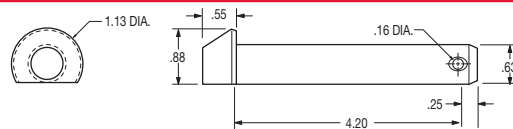
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98016	.37	A	.63	4.25	994-00105	Trailmobile #515-12-13

## Utility Style Hinge Pin

### FEATURES

- Zinc plated finish
- End hole for cotter pin



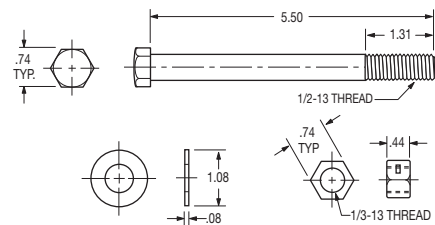
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	dia. (in.)	length (in.)	recommended cotter pin	cross reference
997-98019	.44	A	.63	4.45	994-00105	Utility #3-6101-08, 3-6101-071

## Hinge Bolt-Pin Hardware Packaged Set

### FEATURES

- Steel construction
- Zinc plated finish
- Packaged Set includes one bolt, one nut, and four washers
- Bolt size is 1/2-13 x 5.50 long



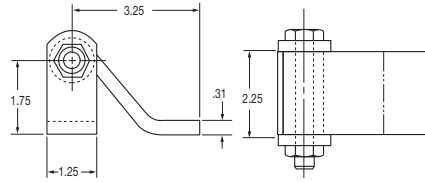
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
021-00376	.42	A

## 3.25" Narrow Butt Hinge Assembly

### FEATURES

- Steel construction, plain finish
- Includes removable pin using nut, bolt, and thrust washers



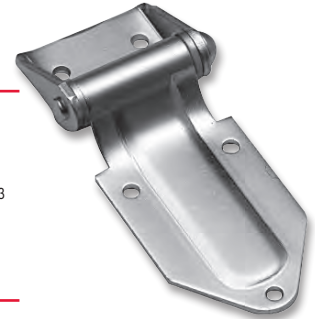
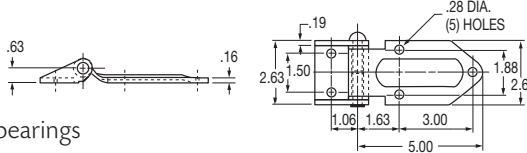
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	cross reference
021-00181	2.20	A	flush weld-on	Austin #AH-001

## 5.00" Square Butt Hinge Assembly

### FEATURES

- Stamped steel construction
- Zinc plated finish
- Stamped reinforcing rib
- Non-removable steel pin and nylon sleeve bearings



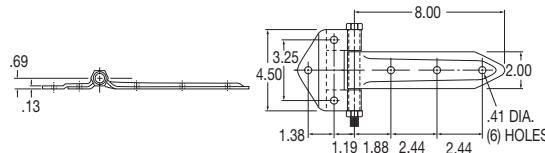
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	description	cross reference
022-00631	1.00	C	flush	left hand	Eberhard #5867
022-00633	1.00	A	flush	right hand	Eberhard #5867

## 8.00" Embossed Hinge Assembly (with Stamped Reinforcing Rib)

### FEATURES

- Steel construction, zinc plated finish
- Stamped reinforcing rib
- Made with hardened steel truss bearings to effectively carry door loads
- Includes removable pin using nut, bolt, and thrust washers



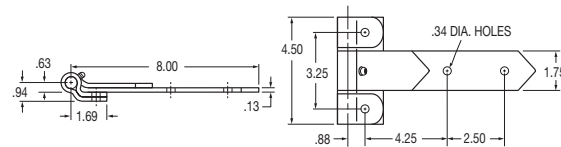
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	cross reference
022-00605	1.70	C	flush	Eberhard #1-5869 zinc, Polar #2008R

## 8.00" Reverse Butt Leaf Hinge Assemblies

### FEATURES

- Steel construction
- Non-removable pin and thrust washers
- Aluminum construction contains a zinc plated pin
- Reverse leaves
- With zerk fitting



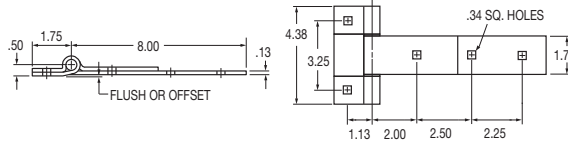
### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	mount type	construction	cross reference
022-00587	2.12	B	flush	zinc plated	#8 RB, w/zerk, riveted leaves, zinc plated

## 8.00" Square Butt Leaf Hinge Assemblies

### FEATURES

- Stainless steel construction with spot welded leaves and thrust washers
- Polished finish
- Available in .34" square hole and .34" round hole
- Minimum order of 100



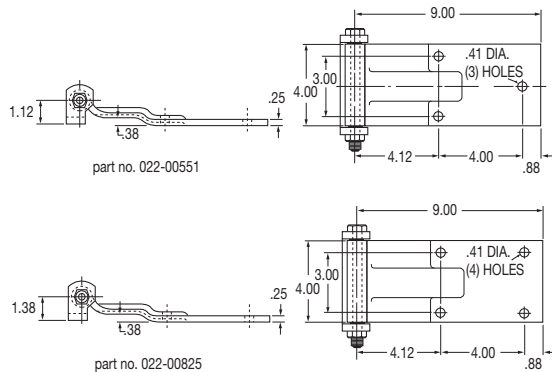
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	hole type	pin	construction
<b>022-00808</b>	1.79	C	flush	round	removable	polished stainless steel

## 9.00" Narrow Butt Hinge Assemblies (with Embossed Rib)

### FEATURES

- Heavy-duty steel construction
- Zinc plated finish
- Includes nut, bolt, and thrust washers



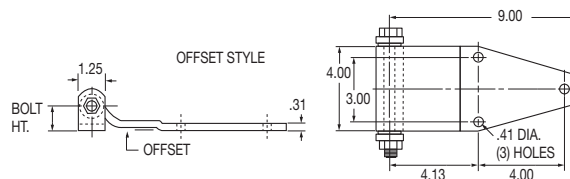
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	hinge end type	cross reference
<b>022-00551</b>	4.10	A	flush w/ embossed rib (3-hole)	rolled	#A1-5884-U flush, zinc; #N1809-003B
<b>022-00825</b>	4.10	C	flush w/ embossed rib (4-hole)	welded barrel	#B2-5884; #N1809-004B

## 9.00" Narrow Butt Hinge Assemblies (Miller Style)

### FEATURES

- Heavy-duty steel construction
- Zinc plated finish
- Includes nut, bolt, and thrust washers



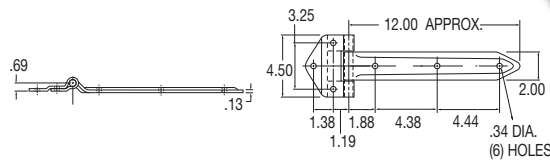
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	offset dim.	bolt height	cross reference
<b>022-00545</b>	4.70	B	.62 offset	1.75	Austin #9-5
<b>022-00830</b>	4.70	B	flush	1.12	Austin #9-5

## 12.00" Embossed Hinge Assemblies (with Stamped Reinforcing Rib)

### FEATURES

- Steel construction
- Stamped reinforcing rib
- Non-removable steel pin and thrust washers



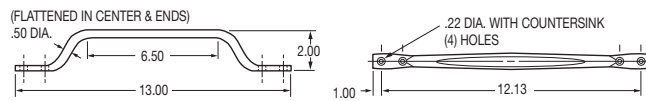
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	mount type	construction	cross reference
022-00612	1.88	C	flush	zinc plated	Eberhard #5870 zinc, Polar #2012

## Grab Handles

### FEATURES

- Steel construction
- Available in zinc and chrome finishes



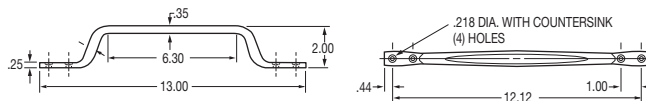
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	cross reference
022-00626	.80	A	zinc plated steel	Eberhard #4300 zinc
022-00627	.80	A	chromed steel	Eberhard #4300 chrome

## Aluminum Handle

### FEATURES

- Aluminum construction



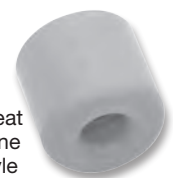
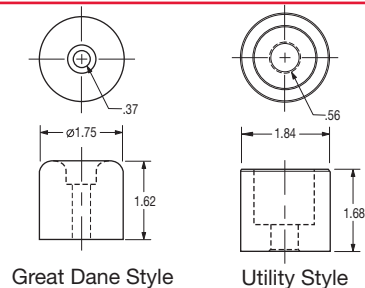
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
022-00629	.27	A

## Door Bumpers

### FEATURES

- Rubber construction
- Helps protect swing doors from getting scratched, dented, etc.
- Part number represents one bumper



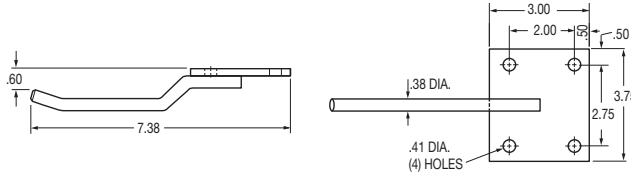
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	color	cross ref.
022-01084	.14	A	gray	Great Dane #45064
022-01085	.17	A	gray	Utility #3-1250-25

## Four-Hole Hold-Back

### FEATURES

- Steel construction
- Zinc plated finish



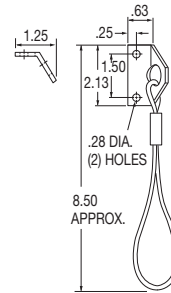
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
022-00070	.80	A

## Fruehauf Style Hold-Back

### FEATURES

- Steel construction
- Zinc plated finish
- Plastic coated cable



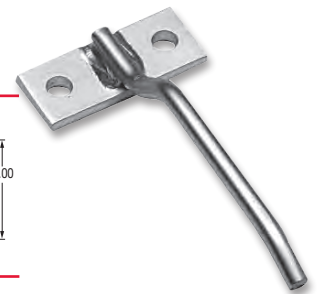
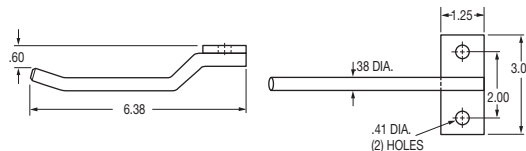
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
022-00487	.40	A

## Fruehauf Style Two-Hole Hold-Back

### FEATURES

- Steel construction
- Zinc plated finish



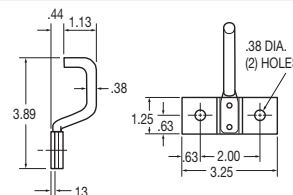
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
022-00081	.50	A	Fruehauf #586930, Eberhard #EBH6602-50

## Pig-Tail Hold-Back

### FEATURES

- Steel construction
- Zinc plated finish
- Projection welded



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
022-00577	.30	A



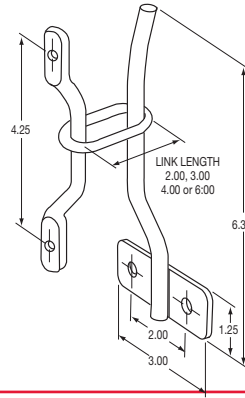
## Hold-Back Packaged Sets and Components

### FEATURES

- Hot-dipped galvanized finish
- Hook mounting holes are .41"
- Handle mounting holes are .20"

### ORDER DETAILS

- Package set consists of loop, handle type anchor, and hold-back hook



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
021-00371	0.67	A	2" style hold back asm. packaged set
021-00372	0.72	A	3" style hold back asm. packaged set
021-00373	0.75	A	4" style hold back asm. packaged set
021-00374	0.80	A	6" style hold back asm. packaged set
022-01076	0.12	A	2.00" loop only
022-01079	0.17	A	3.00" loop only
022-01077	0.20	A	4.00" loop only
022-01078	0.25	A	6.00" loop only
022-00628	0.14	A	handle only
022-00081	0.50	A	hold back hook only

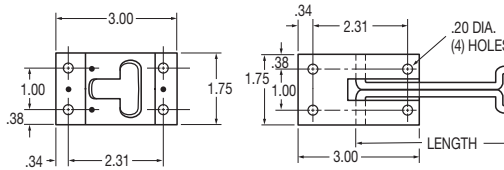
## T-Slot Hold-Back Packaged Sets and Component Parts

### FEATURES

- Stainless or zinc plated finish

### ORDER DETAILS

- Packaged set part numbers includes base and tee holder



TEE HOLDER

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction	tee bar length (in.)	cross reference
022-00521	.20	A	base only	stainless steel	na	
022-00522	.20	A	base only	zinc plated steel	na	
022-00989	.16	A	tee holder only	zinc plated steel	2.00	
022-00990	.19	A	tee holder only	zinc plated steel	4.00	
022-00991	.23	A	tee holder only	zinc plated steel	6.00	
022-00992	.16	A	tee holder only	stainless steel	2.00	
022-00993	.19	A	tee holder only	stainless steel	4.00	
022-01020	.36	A	packaged sets	zinc plated steel	2.00	
022-01021	.36	A	packaged sets	stainless steel	2.00	
022-01022	.39	A	packaged sets	zinc plated steel	4.00	5601, 29-4, No. 9
022-01023	.39	A	packaged sets	stainless steel	4.00	29-4, No. 9 SS
022-01024	.43	A	packaged sets	zinc plated steel	6.00	6-5601, No. 8

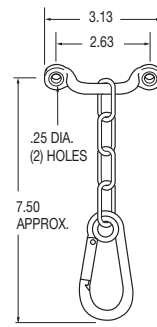


BASE

## Chain and Snap Hold-Back Assembly Packaged Sets and Component Parts

### FEATURES

- Steel construction
- Zinc plated finish



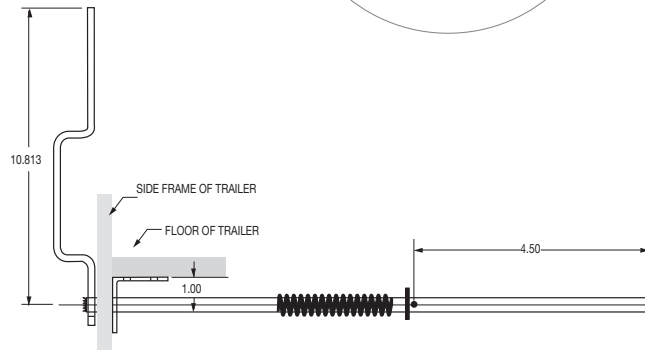
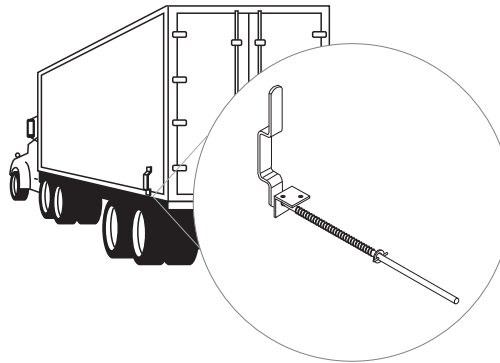
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>021-00051</b>	.25	A	pkg. set chain, snap assembly and anchor	
<b>021-00050</b>	.17	A	pkg. set chain, snap assembly	P-2005
<b>021-00043</b>	.04	A	handle type anchor only	#48
<b>021-00053</b>	.02	A	lap link only (used on old style snap assembly)	

## Spring Loaded Hold-Back Assembly

### FEATURES

- Steel construction
- Black primer finish
- .50" diameter steel rod
- 10.75" handle length
- 6.00" extension
- High strength steel spring
- Rugged, simple construction
- Mounts through trailer's side and under the floor



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
<b>023-00024</b>	2.70	A

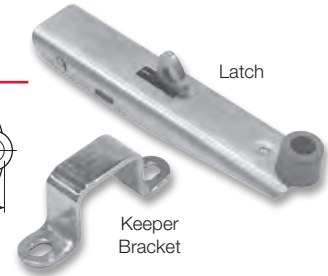
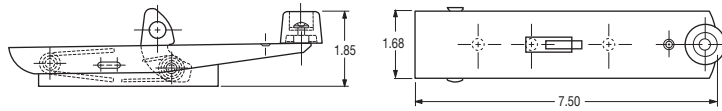
## "Belly Box" Latch Assembly Packaged Sets

### FEATURES

- Stainless steel or zinc finish

### ORDER DETAILS

- Packaged set latch assembly includes latch and keeper bracket



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	construction	cross reference
024-03040	.91	A	stainless steel	Penz #10-1300 S/S
024-03056	.91	A	zinc	Penz #10-1300 Z/P

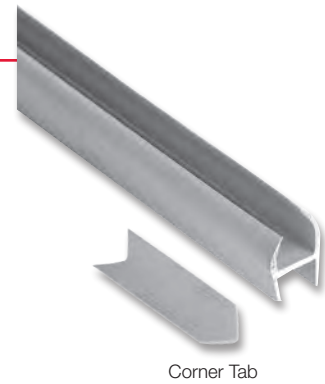
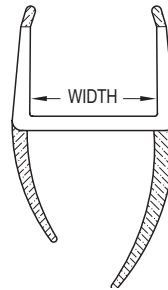
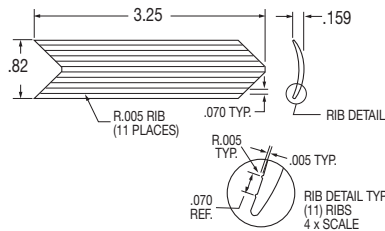
## Swing Door Dual-Durometer Door Seals

### FEATURES

- 168.00" length
- Light gray color

### ORDER DETAILS

- Seal part number represents one piece
- Corner tab pkg. set represents 24 pieces
- Due to length of seals, unable to ship via package carrier (UPS, FedEx, etc.)



Corner Tab

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	width dim. door thickness (in.)
022-01300	3.69	A	seal	.75"
022-01301	4.64	A	seal	1.00"
022-01305	3.79	A	seal	.50"
022-01303	6.33	A	seal	1.25"
022-01306	.005	A	corner tab pkg. set (qty. 24)	-

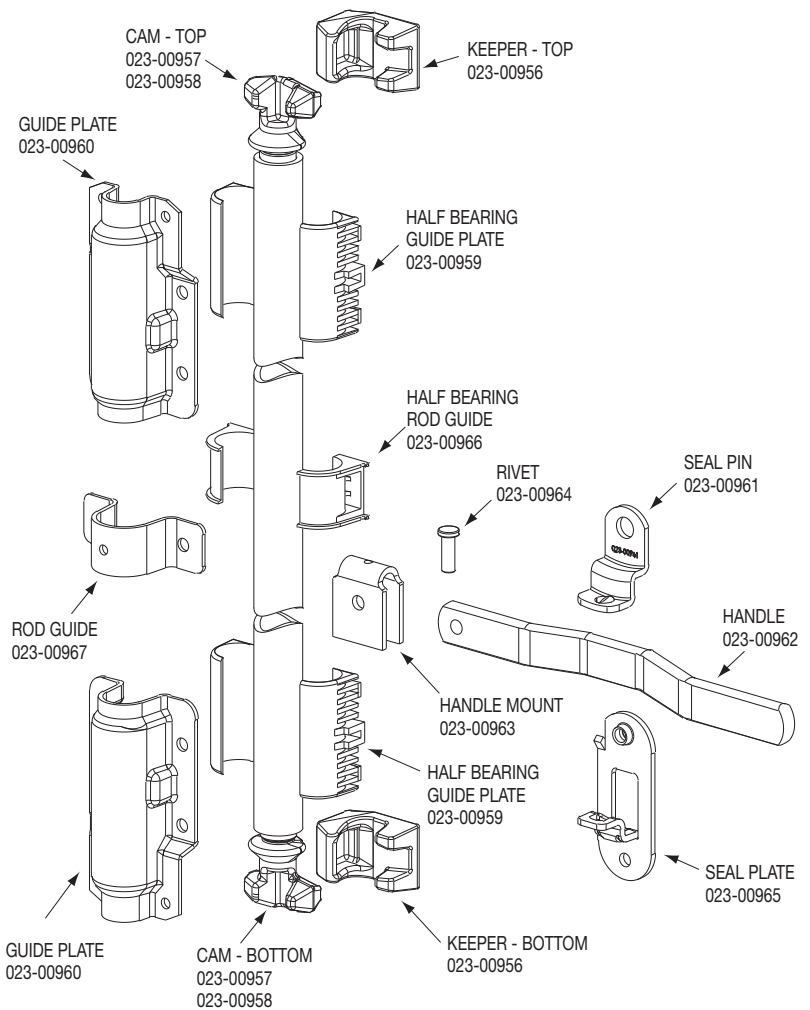
## Miner Style Lockrod Packaged Set

### FEATURES

- Lock rod pipe is .105" wall and galvanized

### ORDER DETAILS

- Lock rod pipe is NOT INCLUDED in packaged set
- Packaged set includes, two keepers, two cams, four half bearing guide plates, two half bearing rod guides, two guide plates, rod guide, handle, handle mount, seal, plate, seal pin, and rivet



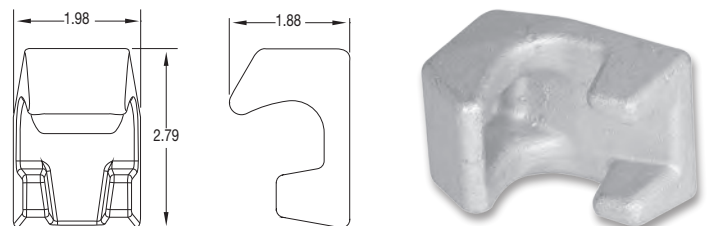
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length	ID dia.	cross ref.
021-00312	13.25	A	packaged set	-	-	MN-DL-BU
023-00968	13.79	A	lock rod pipe	120.00"	1.12"	-

## Miner Style Top and Bottom Keeper

### FEATURES

- Hot-dip galvanized finish
- Part number represents one keeper



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00956	1.05	A	MN-1064

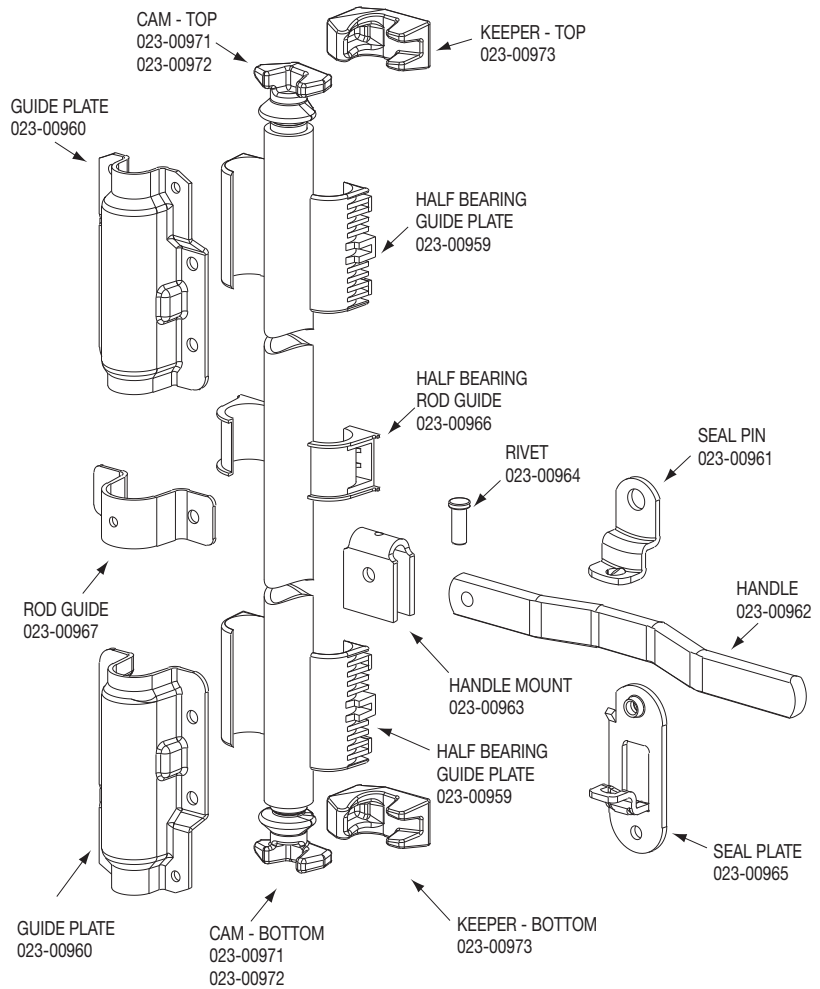
# Miner Style (Narrow Version) Lockrod Packaged Set

## FEATURES

- Lock rod pipe is .105" wall and galvanized

## ORDER DETAILS

- Lock rod pipe is NOT INCLUDED in packaged set
- Packaged set includes, two keepers, two cams, four half bearing guide plates, two half bearing rod guides, two guide plates, rod guide, handle, handle mount, seal plate, seal pin, and rivet



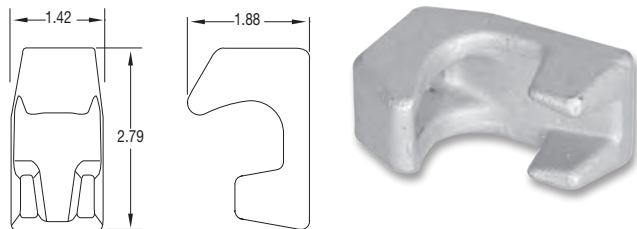
## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length	ID dia.	cross ref.
021-00313	12.25	A	packaged set	-	-	MN-DL-NH
023-00968	13.79	A	lock rod pipe	120.00"	1.12"	-

# Miner Style (Narrow Version) Top and Bottom Keeper

## FEATURES

- Hot-dip galvanized finish
- Part number represents one keeper



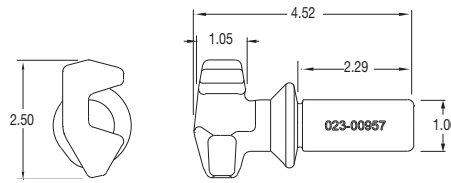
## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00973	1.05	A	MN-4140

## Miner Style Top and Bottom Cams

### FEATURES

- Hot-dip galvanized finish



Left hand shown  
(for roadside bottom or  
curbside top)

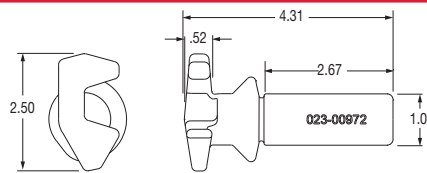
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross ref.
<b>023-00957</b>	1.35	A	left-hand (for roadside bottom or curbside top)	MN-4043
<b>023-00958</b>	1.35	A	right-hand (for curbside bottom or roadside top)	MN-4044

## Miner Style (Narrow Version) Top and Bottom Cams

### FEATURES

- Hot-dip galvanized finish



Left hand shown  
(for roadside bottom or  
curbside top)

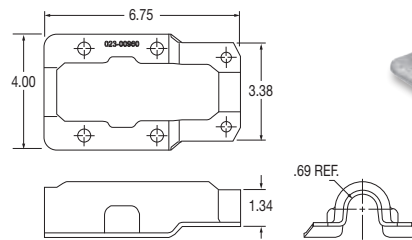
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross ref.
<b>023-00972</b>	1.35	A	left-hand (for roadside bottom or curbside top)	MN-4142
<b>023-00971</b>	1.35	A	right-hand (for curbside bottom or roadside top)	MN-4141

## Miner Style Top and Bottom Guide Plate

### FEATURES

- Hot-dip galvanized finish
- Part number represents one guide plate



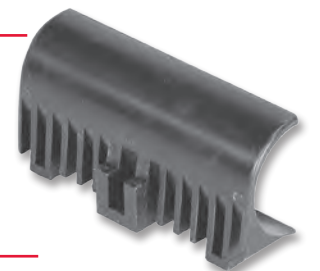
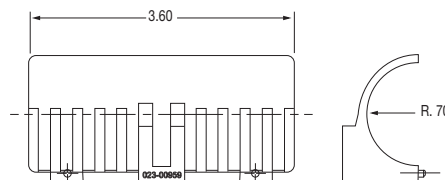
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
<b>023-00960</b>	1.46	A	MN-4207

## Miner Style Top and Bottom Half Bearing Guide Plates

### FEATURES

- Black plastic
- Part number represents one guide plate



### SPECIFICATIONS

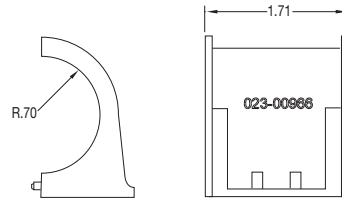
part no.	weight (lbs.)	pop. code	cross ref.
<b>023-00959</b>	0.06	A	MN-4042



## Miner Style Half-Bearing Rod Guide

### FEATURES

- Black plastic
- Part number represents one rod guide



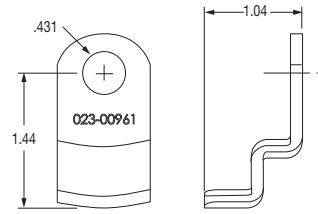
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00966	0.35	A	MN-4006

## Miner Style Seal Pin

### FEATURES

- Hot-dip galvanized finish



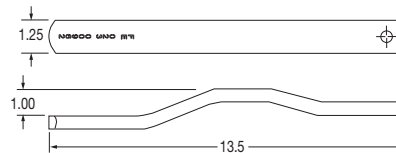
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00961	0.24	A	MN-4012

## Miner Style Handle

### FEATURES

- Hot-dip galvanized finish



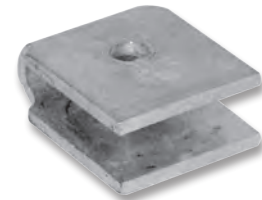
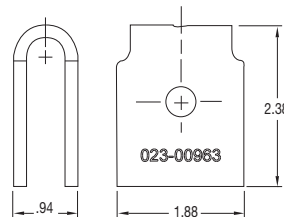
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00962	2.27	A	MN-4090

## Miner Style Handle Mount

### FEATURES

- Hot-dip galvanized finish



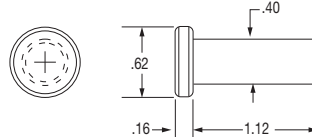
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00963	0.45	A	MN-4208

## Miner Style Lock Handle Rivet

### FEATURES

- Hot-dip galvanized finish



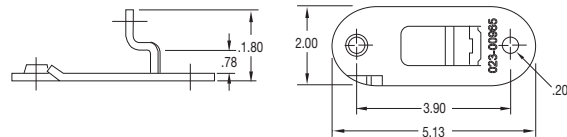
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00964	0.06	A	MN-4049

## Miner Style Seal Plate

### FEATURES

- Hot-dip galvanized finish



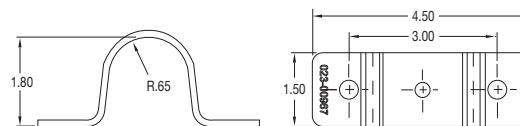
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00965	0.47	A	MN-4011

## Miner Style Lock Rod Guide

### FEATURES

- Hot-dip galvanized finish



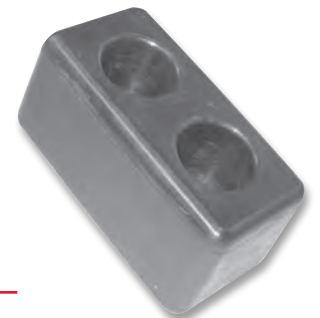
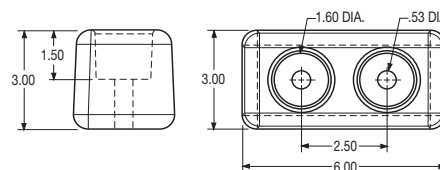
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross ref.
023-00967	0.37	A	MN-4005

## Trailer Dock Bumper

### FEATURES

- Molded durable rubber compound
- Two .53" mounting holes



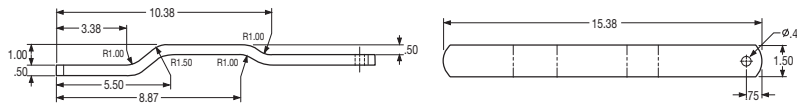
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
022-01409	2.64	A

## Pro-Par Style Handle

### FEATURES

- Steel construction
- Zinc plated finish



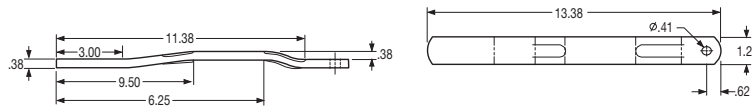
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	width (in.)	thickness (in.)	cross reference
023-00021	3.33	C	15.38	1.50	.50	Fruehauf #DCD-0292-1

## Eberhard Style Handle

### FEATURES

- Steel construction
- Zinc plated finish



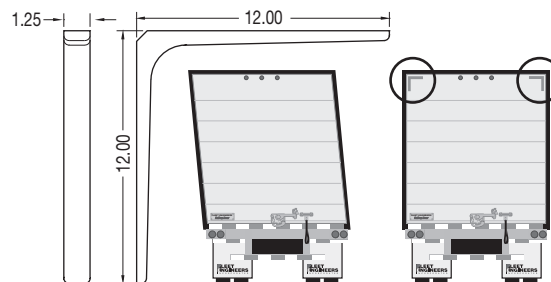
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length (in.)	width (in.)	thickness (in.)	cross reference
023-00491	1.70	B	13.38	1.25	.38	Eberhard #1969-6X

## Corner Iron

### FEATURES

- Perfect 90°, helps "square up" trailer
- 12" x 12" x 1-1/4" wide
- Forged steel construction
- Part number represents one piece



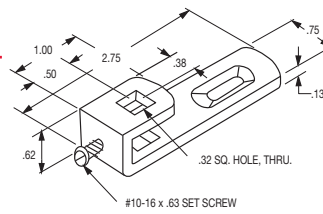
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
023-00975	4.85	A

## Cam Assembly

### FEATURES

- Steel construction
- Zinc plated finish
- Set screw included



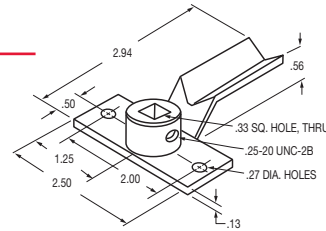
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>021-00184</b>	.10	C	Eberhard #5559

## Retainer Cam Assembly

### FEATURES

- Steel construction
- Zinc plated finish



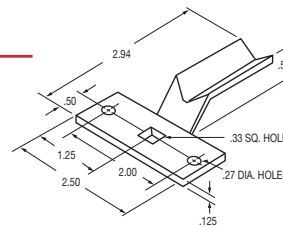
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>021-00217</b>	.44	A	Austin #16 Special

## Retainer Cam

### FEATURES

- Steel construction
- Zinc plated finish



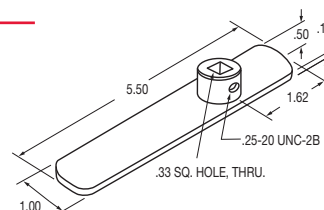
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>021-00256</b>	.12	B	Austin #16

## Latch Bar Assembly

### FEATURES

- Steel construction
- Zinc plated finish



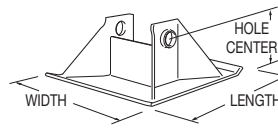
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
<b>021-00207</b>	.30	A	similar to Austin #8702

## Standard Design Sand Shoes

### FEATURES

- Full welded steel construction
- Black E-coat finish
- .19" center support for added strength
- Standard 2.03" diameter extended axle holes spaced 6.00" apart



### ORDER DETAILS

- Non-standard shoes available on a special order basis (100 piece minimum)

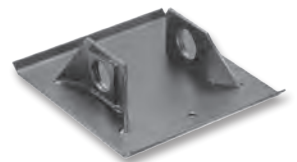
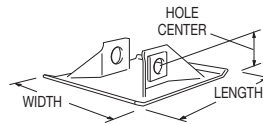
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width (in.)	base length (in.)	gusset thickness (in.)	thickness (in.)	center support	hole bearing plate	center (in.)	cross reference
013-01192	9.50	A	10.00	10.00	.19	.19	yes	no	4.44	05-300, 1291
013-01196	12.90	A	12.00	12.00	.19	.19	yes	no	4.44	05-319

## Low Mount Style Sand Shoes

### FEATURES

- Steel construction with black E-coat finish
- Standard 2.03" diameter plain axle holes
- Side bearing plates for gussets



### ORDER DETAILS

- Non-standard shoes available on a special order basis (100 piece minimum)

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width (in.)	base length (in.)	gusset thickness (in.)	thickness (in.)	hole bearing plate	center (in.)	cross reference
013-00073	8.70	A	10.00	10.00	.19	.19	yes	1.94	1295, 05-310
013-01604	11.90	A	12.00	12.00	.19	.19	yes	1.94	05-312

## Welded Cap Axle

### FEATURES

- Welded steel construction with black primer finish

### ORDER DETAILS

- Includes one axle and hardware set (hex bolt, lock nut, and half collar)
- Non-standard axles available on a special order basis (100 pc. min.)



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	O.D. (in.)	thickness (in.)	application	cross reference
013-00232	2.15	A	axle pkg. set	8.50	1.88	.14	standard foot	06-410
013-00244	3.00	A	axle pkg. set	8.50	1.90	.20	standard foot	06-411, 1407 kit
013-00336	4.90	C	axle bulk kit	15.25	1.90	.20	standard-duty wheels	06-421
011-00136	.15	A	hardware set					

## Flared End Axle

### FEATURES

- Steel construction with black primer finish

### ORDER DETAILS

- Includes one axle and hardware set (hex bolt, lock nut, and half collar)
- Non-standard axles available on a special order basis (100 pc. min.)



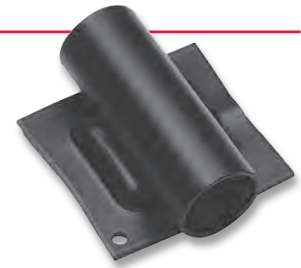
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length (in.)	O.D. (in.)	thickness (in.)	application	cross reference
013-00240	2.50	A	axle pkg. set	8.50	1.90	.20	standard foot	06-405, 1305 kit
011-00136	.15	A	hardware set					

## Axle Housing

### FEATURES

- Steel construction
- Black primer finish
- 2.00" I.D. axle housing



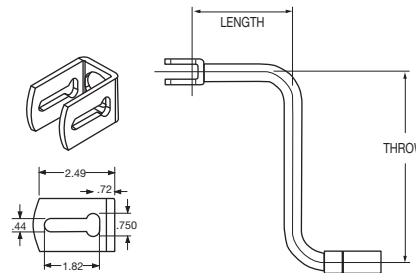
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	application	cross reference
013-00198	3.10	A	4.00" outer square or 4.50" O.D. round lower legs	06-345 1294

## Horizontal Folding Cranks

### FEATURES

- Metal handle
- Steel construction
- Black E-coat finish
- Handle is 3.75" long
- Tube O.D. size is 1.25"



### SPECIFICATIONS

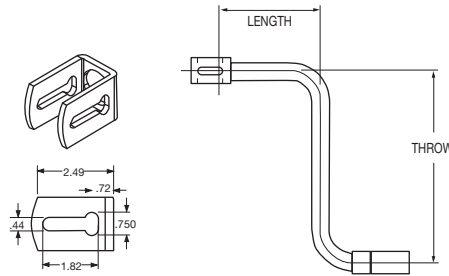
part no.	weight (lbs.)	pop. code	length (in.)	throw (in.)	cross reference
013-00426	2.70	A	7.50	13.50	03-207-H, LG0083.02, 1695
013-00427	3.10	A	11.50	13.50	03-211-H, LG0083.04, 1296
013-00429	3.50	A	16.25	13.50	03-215-H, 1297
013-00430	4.10	A	20.00	13.50	03-221-H, LG0083.06, 1298



## Vertical Folding Cranks

### FEATURES

- Metal handle
- Steel construction
- Black E-coat finish
- Handle is 3.75" long
- Tube O.D. size is 1.25"



### SPECIFICATIONS

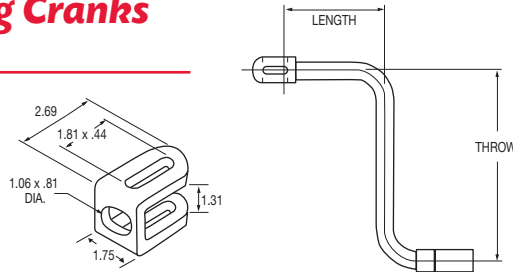
part no.	weight (lbs.)	pop. code	length (in.)	throw (in.)	cross reference
013-00436	2.70	A	7.50	13.50	03-207-V, LG0083.01, 1664
013-00437	3.10	A	11.50	13.50	03-211-V, LG0083.03, 1365
013-00439	3.50	A	16.25	13.50	03-215-V, 1366
013-00440	4.10	A	20.00	13.50	03-221-V, LG0083.05, 1367



## Holland Style Vertical Folding Cranks

### FEATURES

- Metal handle
- Steel construction
- Black primer finish
- Handle is 3.75" long
- Tube O.D. size is 1.00"



### SPECIFICATIONS

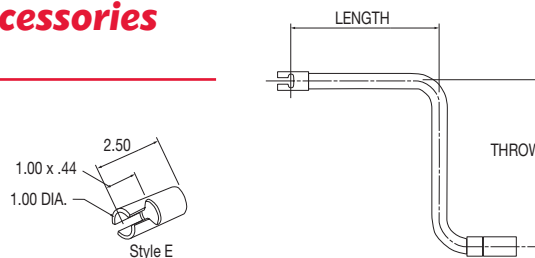
part no.	weight (lbs.)	pop. code	length (in.)	throw (in.)	cross reference
013-00487	3.28	A	11.38	13.50	Holland #XA-V-90-0
013-01978	4.10	A	20.00	13.50	Holland #XA-N-90-11



## Removable Cranks and Accessories

### FEATURES

- Metal handle
- Steel construction
- Black primer finish
- Handle is 3.75" long



### SPECIFICATIONS

part no.	wt. (lbs.)	pop. code	description	length (in.)	throw (in.)	crossreference
013-00496	2.70	C	crank	7.50	13.50	LG0082.01
013-00498	3.10	C	crank	11.50	13.50	LG0082.02
013-00500	3.50	C	crank	16.25	13.50	
013-00501	4.10	C	crank	20.00	13.50	



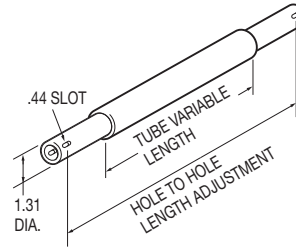
## Adjust-a-Shaft Bulk Kits and Component Parts

### FEATURES

- Tubular steel construction
- Black primer finish
- Adjustable to reduce inventory requirements

### ORDER DETAILS

- Kits consist of two ends to fit over 1.00" shafting, choice of five middle tubes to cover all normal mounting lengths, and hardware



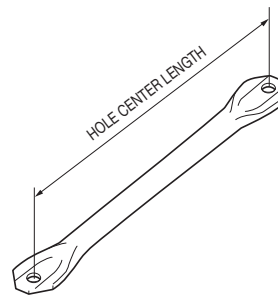
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	length adjustment (in.)	cross reference
012-00001	4.26	C	bulk kit	21.00 to 39.00	
012-00002	5.60	C	bulk kit	37.00 to 55.00	04-536-X
012-00003	6.90	A	bulk kit	53.00 to 71.00	04-552X
012-00914	7.90	B	bulk kit	69.00 to 87.00	
012-00915	9.60	C	bulk kit	85.00 to 103.00	
012-00011	1.30	A	end	11.00	
012-00004	1.66	C	tube	20.00	
012-00005	2.80	C	tube	36.00	
012-00006	4.10	C	tube	52.00	
012-00008	5.30	C	tube	68.00	
012-00009	6.97	C	tube	84.00	

## Custom One-Piece Braces

### FEATURES

- Black primer finish
- 66" diameter mounting holes
- Choose desired pipe or tube size then specify hole center length
- Side loaded ends



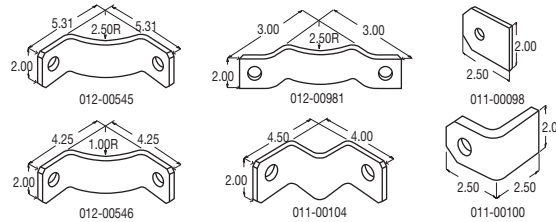
### SPECIFICATIONS

materials (in.)	pop. code	hole center length
1.25 pipe	C	per customer specification
1.50 pipe	C	per customer specification
1.63 tube	C	per customer specification
2.00 pipe	C	per customer specification

## Brace Lugs

### FEATURES

- .38" thick steel construction
- Black primer finish
- .66" diameter mounting holes



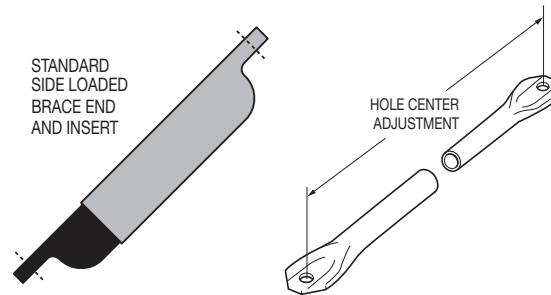
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
011-00098	.50	C	02-10-A, 1364
011-00100	.80	B	02-13-A
011-00104	1.30	A	1306
012-00545	1.60	A	Holland BL-4 and Austin J-4154
012-00546	1.40	C	Holland BL-11
012-00981	2.30	B	1382, 1381

## Two-Piece Adjust-a-Brace

### FEATURES

- High strength steel tubing with reinforced end sections for greater tear-out resistance
- Black E-coat finish



### ORDER DETAILS

- Pkg. set includes one side loaded end and one side loaded insert with 15.00" adjustment
- .66" diameter mounting holes

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	hole center adjustment (in.) / component length	brace end O.D. (in.)	insert end O.D. (in.)	brace wall thickness (gauge)	insert wall thickness (gauge)	cross reference
013-00991	6.76	A	heavy-duty pkg. set	26.00 to 41.00	1.88	1.63	14	12	04-40-26-41, 1613
013-00992	8.88	A	heavy-duty pkg. set	42.00 to 57.00	1.88	1.63	14	12	04-40-42-57, 1614
013-00993	10.86	A	heavy-duty pkg. set	58.00 to 72.00	1.88	1.63	14	12	04-40-56-72, 1615
013-00996	12.98	A	heavy-duty pkg. set	73.00 to 88.00	1.88	1.63	14	12	
013-00997	15.10	A	heavy-duty pkg. set	89.00 to 104.00	1.88	1.63	14	12	
013-01601	5.38	A	standard pkg. set	26.00 to 41.00	1.75	1.50	14	14	04-10-26-41
013-01602	7.18	A	standard pkg. set	42.00 to 57.00	1.75	1.50	14	14	04-10-42-57
013-01603	8.96	A	standard pkg. set	58.00 to 72.00	1.75	1.50	14	14	04-10-56-72
013-01655	10.49	A	standard pkg. set	73.00 to 88.00	1.75	1.50	14	14	
013-01656	13.30	A	standard pkg. set	89.00 to 104.00	1.75	1.50	14	14	

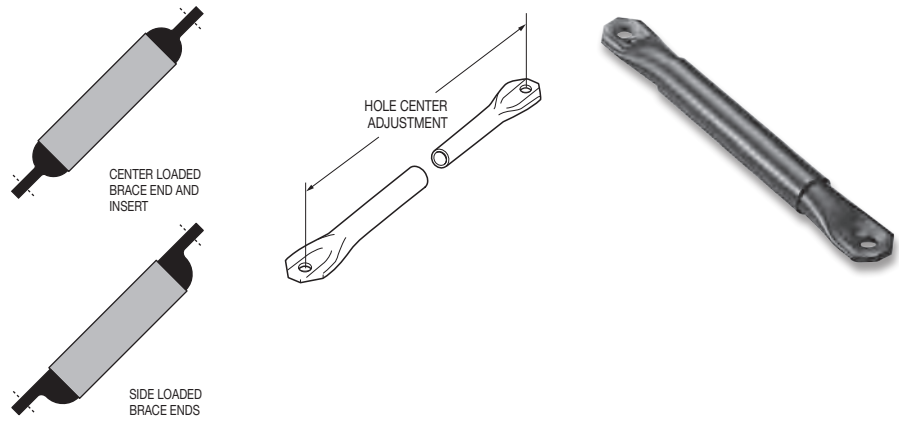
# Three-Piece Adjust-a-Brace

## FEATURES

- High strength steel tubing with reinforced end pieces for greater tear-out resistance
- Black primer finish
- .66" diameter mounting holes
- Kits adjustable up to 6.00"

## ORDER DETAILS

- Available with side loaded or center loaded end pieces
- Component parts also sold separately



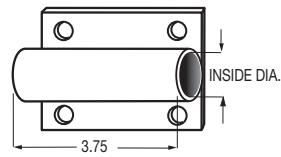
## SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	hole center adjustment (in.) /component length	end type	tube O.D. (in.)	end O.D. (in.)	tube wall thickness (gauge)	end wall thickness (gauge)
013-01094	4.15	C	bulk kit	18.00 to 24.00	center loaded	1.88	1.63	14	12
013-01095	4.80	C	bulk kit	24.00 to 30.00	center loaded	1.88	1.63	14	12
013-01096	5.60	C	bulk kit	30.00 to 36.00	center loaded	1.88	1.63	14	12
013-01097	6.60	C	bulk kit	36.00 to 42.00	center loaded	1.88	1.63	14	12
013-01098	7.00	C	bulk kit	42.00 to 48.00	center loaded	1.88	1.63	14	12
013-01099	7.70	C	bulk kit	48.00 to 54.00	center loaded	1.88	1.63	14	12
013-01100	8.50	C	bulk kit	54.00 to 60.00	center loaded	1.88	1.63	14	12
013-01101	9.10	C	bulk kit	60.00 to 66.00	center loaded	1.88	1.63	14	12
013-01102	9.95	C	bulk kit	66.00 to 72.00	center loaded	1.88	1.63	14	12
012-00418	1.40	C	end	9.00	center loaded	-	1.63	-	12
012-00476	1.40	C	end	9.00	side loaded	-	1.63	-	12
012-00352	1.35	C	tube	10.00	-	1.88	-	14	-
012-00353	2.00	C	tube	16.00	-	1.88	-	14	-
012-00354	2.80	C	tube	22.00	-	1.88	-	14	-
012-00355	3.80	C	tube	28.00	-	1.88	-	14	-
012-00356	4.20	C	tube	34.00	-	1.88	-	14	-
012-00357	4.90	C	tube	40.00	-	1.88	-	14	-
012-00358	5.70	C	tube	46.00	-	1.88	-	14	-
012-00359	6.30	C	tube	52.00	-	1.88	-	14	-
012-00360	7.14	C	tube	58.00	-	1.88	-	14	-

## Standard Bow\_SOCKETS

### FEATURES

- Steel construction
- Black primer finish



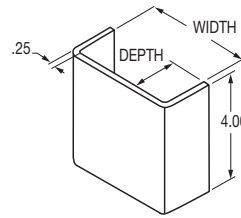
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	inside dia. (in.)	height (in.)
042-00007	.80	C	.83	3.75
042-00008	.90	C	.96	3.75
042-00009	.90	C	1.05	3.75

## Straight Stake Pockets

### FEATURES

- Steel stamping
- Black primer finish



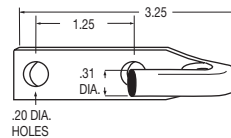
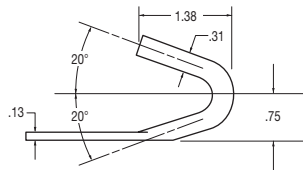
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width (in.)	depth (in.)
982-00012	1.80	A	3.00	1.62
982-00013	2.00	A	3.75	1.62
982-00014	1.90	A	3.50	1.62
982-00015	2.00	A	3.25	1.88
982-00016	2.00	A	3.50	1.88

## Plain Rope Hooks

### FEATURES

- Steel construction



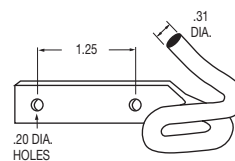
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	construction
042-00001	.14	A	rope hook with holes	zinc plated finish
042-01547	.15	A	rope hook without holes	plain

## Pig Tail Hooks

### FEATURES

- Steel construction
- Zinc plated finish



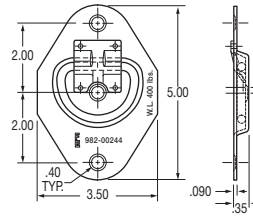
### SPECIFICATIONS

part no.	weight (lbs.)	pop code
042-00002	.20	A

## Recessed Lashing Ring

### FEATURES

- Requires 3.00" mounting hole in 3/8" or thicker material
- Working load is 400 lbs.
- Ultimate breaking strength is 1,200 lbs.



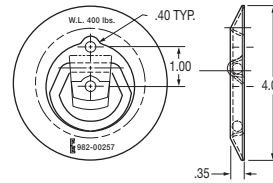
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	working load	cross reference
982-00244	.42	A	zinc	400 lbs.	B601, WF601, AH170ZN

## Surface Mounted Rope Ring

### FEATURES

- Working load is 400 lbs.
- Ultimate breaking strength is 1,200 lbs.
- Surface mounted pan with .25" ring



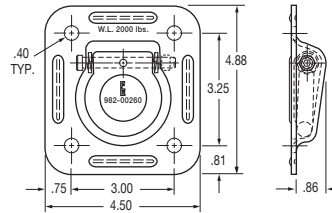
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	working load	cross reference
982-00257	.29	A	zinc	400 lbs.	B701SM

## Recessed Lashing Ring

### FEATURES

- Working load is 2,000 lbs.
- Ultimate breaking strength is 5,000 lbs.
- Formed 1/8" steel pan houses a ductile iron ring which folds down into pan
- 7/8" clearance below surface is required



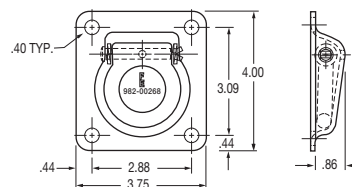
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	working load	cross reference
982-00260	1.17	A	zinc	2,000 lbs.	B801, WF55801, 45-PF5

## Recessed Lashing Ring

### FEATURES

- For use in van bodies
- Working load is 1,500 lbs.
- Ultimate breaking strength is 3,500 lbs.



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	working load	cross reference
982-00268	.90	A	zinc	1500 lbs.	WF5572, AH172ZN

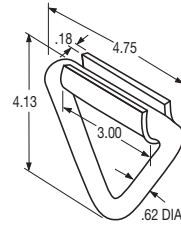


## Tie Down V-Ring

This product is for tie down - load securement purposes only.

### FEATURES

- Working load is 6,000 lbs.
- Ultimate breaking strength is 18,000 lbs.
- Welded steel rings
- Black primer finish on V-ring, plain finish on weld clip



### SPECIFICATIONS

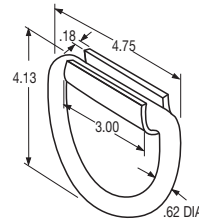
part no.	weight (lbs.)	pop. code	description	cross reference
982-00047	1.40	C	bulk kit (weld clip and V-ring)	#55-05
982-00048	.40	A	weld clip only	#55-02-A
982-00050	1.00	C	V-Ring only	#55-01-A

## Tie Down D-Ring

This product is for tie down - load securement purposes only.

### FEATURES

- Working load is 6,000 lbs.
- Ultimate breaking strength is 18,000 lbs.
- Welded steel rings
- Black primer finish on D-ring, plain finish on weld clip



### SPECIFICATIONS

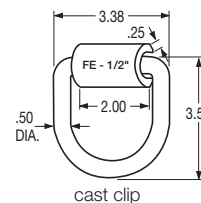
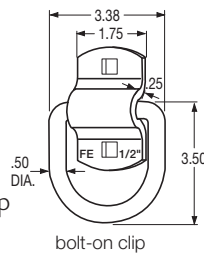
part no.	weight (lbs.)	pop. code	description
982-00046	1.50	A	bulk kit (weld clip and D-ring)
982-00048	.40	A	weld clip only
982-00049	1.00	A	D-Ring only

## 1/2" Tie Down D-Ring

This product is for tie down - load securement purposes only.

### FEATURES

- Working load is 5,000 lbs.
- Ultimate breaking strength is 15,000 lbs.
- Welded steel rings, 2.38" x 2.50" inside dimensions
- Black primer finish on D-ring and bolt-on clip, plain finish on cast weld clip
- Grade 8 3/8" hardware must be used with bolt-on clip
- Bolt-on clip has holes on 2.00" centers with an overall length of 3.00"



### SPECIFICATIONS

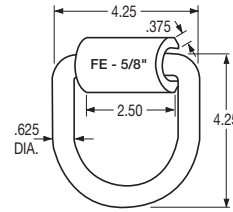
part no.	weight (lbs.)	pop. code	description	clip type	cross reference
982-00270	.88	A	bulk kit (weld clip and D-ring)	weld	B38W
982-00304	.94	A	bulk kit (weld clip and D-ring)	bolt-on	B38
982-00212	.57	A	1/2" D-ring only		
982-00239	.31	A	1/2" cast clip only		
982-00303	.37	A	1/2" bolt-on clip only		

## 5/8" Tie Down D-Ring

*This product is for tie down - load securement purposes only.*

### FEATURES

- Working load is 8,000 lbs.
- Ultimate breaking strength is 24,000 lbs.
- Welded steel rings, 3.00" x 3.00" inside dimensions
- Black primer finish on D-ring, plain finish on cast weld clip



### SPECIFICATIONS

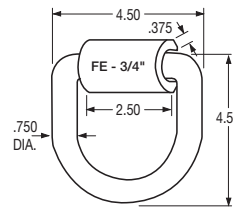
part no.	weight (lbs.)	pop. code	description	cross reference
982-00271	1.81	A	bulk kit (weld clip and D-ring)	B40
982-00214	1.10	A	5/8" D-ring only	
982-00240	.71	A	5/8" cast clip only	

## 3/4" Tie Down D-Ring

*This product is for tie down - load securement purposes only.*

### FEATURES

- Working load is 10,000 lbs.
- Ultimate breaking strength is 30,000 lbs.
- Welded steel rings, 3.00" x 3.00" inside dimensions
- Black primer finish on D-ring, plain finish on cast weld clip



### SPECIFICATIONS

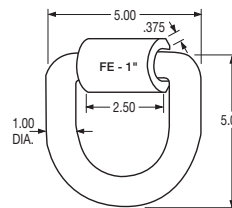
part no.	weight (lbs.)	pop. code	description	cross reference
982-00272	2.42	A	bulk kit (weld clip and D-ring)	B46
982-00216	1.62	A	3/4" D-ring only	
982-00242	.80	A	3/4" cast clip only	

## 1" Tie Down D-Ring - 3.00" Length

*This product is for tie down - load securement purposes only.*

### FEATURES

- Working load is 16,000 lbs.
- Ultimate breaking strength is 48,000 lbs.
- Welded steel rings, 3.00" x 3.00" inside dimensions
- Black primer finish on D-ring, plain finish on cast weld clip



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
982-00273	3.90	A	bulk kit (weld clip and D-ring)	B48
982-00220	2.36	A	1" D-ring only	
982-00243	1.54	A	1" cast clip only	

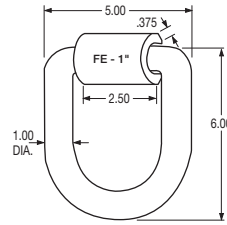


## 1" Tie Down D-Ring - 4.00" Length)

*This product is for tie down - load securement purposes only.*

### FEATURES

- Working load is 16,000 lbs.
- Ultimate breaking strength is 48,000 lbs.
- Welded steel rings, 3.00" x 4.00" inside dimensions
- Black primer finish on D-ring, plain finish on cast weld clip



### SPECIFICATIONS

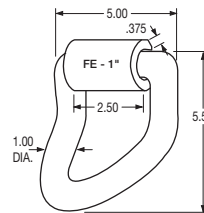
part no.	weight (lbs.)	pop. code	description	cross reference
982-00274	4.35	A	bulk kit (weld clip and D-ring)	B50
982-00221	2.81	A	1" D-ring only	
982-00243	1.54	A	1" cast clip only	

## 1" Angled Tie Down D-Ring

*This product is for tie down - load securement purposes only.*

### FEATURES

- Working load is 16,000 lbs.
- Ultimate breaking strength is 48,000 lbs.
- Welded steel rings, 3.00" x 3.50" inside dimensions
- Black primer finish on D-ring, plain finish on cast weld clip
- 450 bend



### SPECIFICATIONS

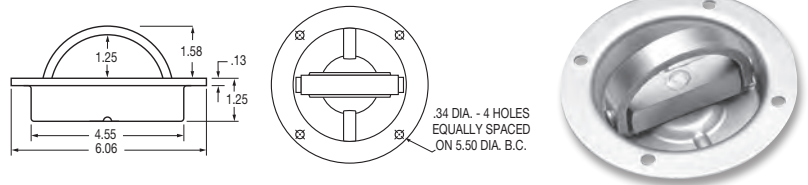
part no.	weight (lbs.)	pop. code	description	cross reference
982-00275	5.23	A	bulk kit (weld clip and D-ring)	B5055
982-00222	3.69	A	1" angled D-ring only	
982-00243	1.54	A	1" cast clip only	

## Recessed Tie Down Ring Assembly

This product is for tie down - load securement purposes only.

### FEATURES

- Steel construction
- Zinc plated finish
- Drain holes in bottom of cup
- Working load is 3,500 lbs.
- Ultimate breaking strength is 8,200 lbs.
- Ring opening width is 3.25"



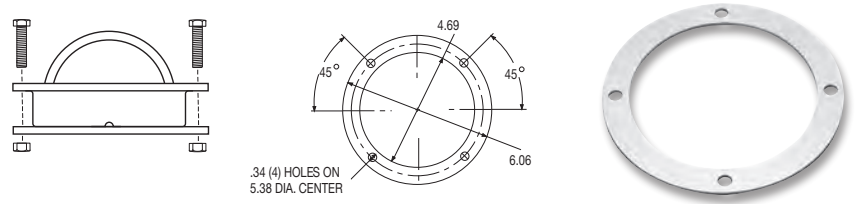
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	cross reference
983-00135	2.50	A	Hansen #10-40 & Austin #AH-1040

## Recessed Tie Down Ring Back-Up Plate

### FEATURES

- Steel construction
- Zinc plated finish
- Reduces pull-out when only screws are used
- Use with bolt-nut fastener
- Hardware not included



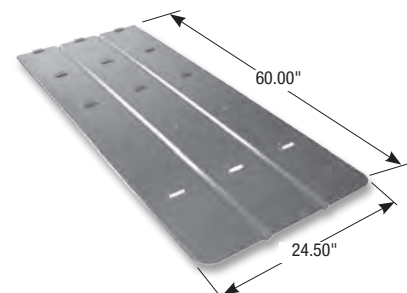
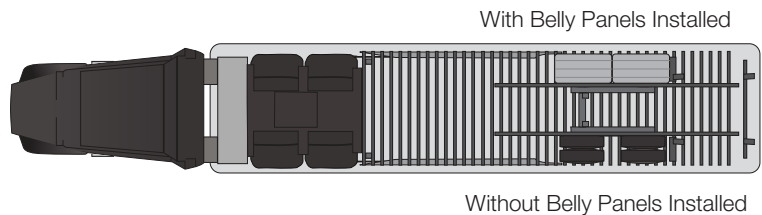
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
983-00242	.41	A

## Trailer Belly Panel

### FEATURES

- Protects cross members in the event of a tire blow out
- Reduces drag
- Easy installation onto trailer cross members
- 16 gauge high performance aluminum
- Universal fit
- Part number represents one piece



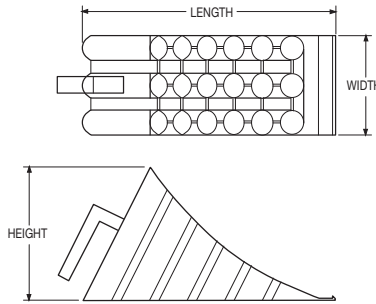
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
034-02394	9.94	A	aluminum	-

## Plastic Wheel Chock

### FEATURES

- Bright yellow (UV Stablized) is very noticeable - less chance of leaving behind or tripping over
- Convenient handle makes it easier to carry or move
- Meets TUV DIN 76051, European Standard for wheel chocks
- Extremely lightweight-drivers are more likely to use



Patent #EU1300305

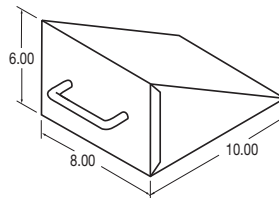
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	width	length	height
064-00018	1.91	A	6.00	15.00	8.00
064-00019	5.91	A	8.00	19.00	10.00

## Steel Wheel Chock

### FEATURES

- Steel welded construction
- Black primer finish
- Handle for easy positioning
- Optional 10.00' cable kit with plastic coated, .13" diameter aircraft cable



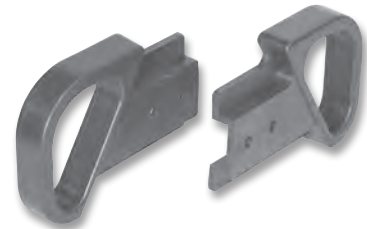
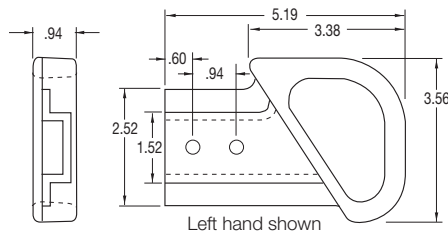
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
064-00008	8.30	A	wheel chock

## T-Style Ramp Handles

### FEATURES

- Black plastic construction



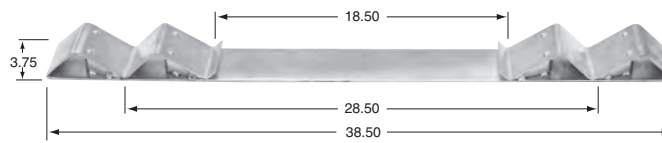
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
025-60502	.18	A	left (roadside)	39504-1
025-60503	.18	A	right (curbside)	39504-2

## Heavy-Duty Coil Rack

### FEATURES

- Keeps cargo safe and secure
- Added support for heavy hauling
- Hot dip galvanized finish for corrosion resistance
- To use, place two 4x4 wood supports on top of racks, position cargo and secure with straps or other binding devices
- Reusable



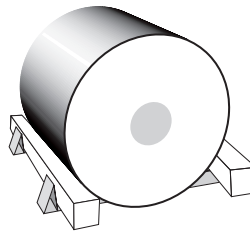
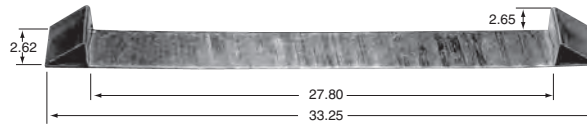
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	cross reference
983-00318	11.33	A	galvanized	15-CRHD

## Coil Rack

### FEATURES

- Keeps cargo safe and secure
- E-coat finish for corrosion resistance
- To use, place two 4x4 wood supports on top of racks, position cargo and secure with straps or other binding devices
- Reusable



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	finish	cross reference
983-00320	4.54	A	11 gauge steel	E-coat	CR1

## Aluminum Trailer Patches

### FEATURES

- Adhesive back adheres to a wide variety of material, easily covering holes or other blemishes on trailers
- Forms a shock resistant, watertight seal
- Painted white
- Part numbers represent 24 pieces

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	size
982-00500-24	3.10	A	6" x 6"
982-00501-24	6.00	A	6" x 12"
982-00502-24	12.00	A	12" x 12"

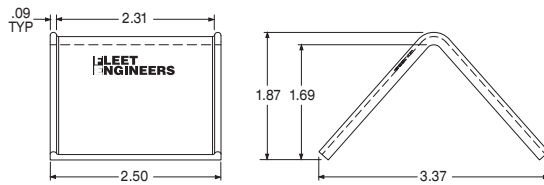




## NEW 2.5" Polypropelene Corner Protector

### FEATURES

- Black plastic construction
- Protects both cargo and strap
- For use up to 2.00" straps
- 100 per box



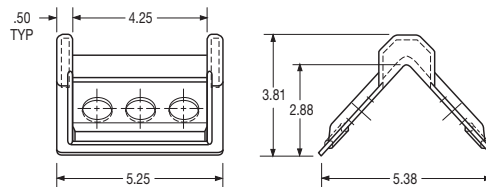
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	box qty.
982-00258	.22	A	100

## Plastic Corner Protector

### FEATURES

- Black plastic construction
- Protects both cargo and strap
- For use up to 4.00" straps
- For maximum performance, thread straps through slots on both ends
- Extra large ears help keep strap in proper position
- 100 per box



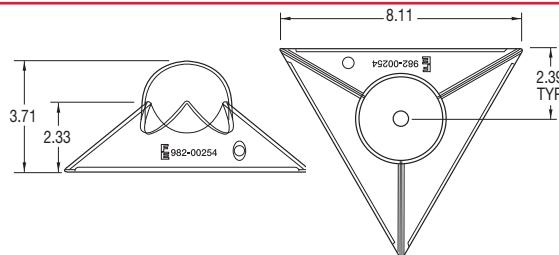
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	box qty.	cross reference
982-00256	.22	A	100	Kinedyne #37025, ITW 15-CCP

## Plastic Triangle Corner Tarp Protector

### FEATURES

- Yellow plastic construction
- Protect expensive tarps from sharp corners of load
- Tarp rests safely on corner protector - not on sharp cargo
- Held in place by secured load
- 100 per box



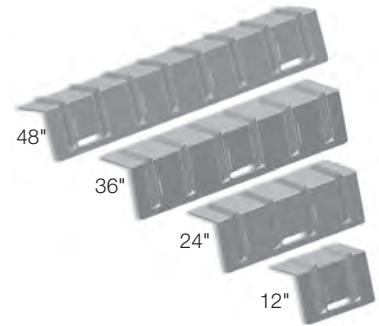
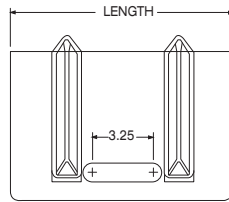
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	box qty.
982-00254	.17	A	100

## Large Plastic Corner Protectors

### FEATURES

- Use in a variety of applications
- Protects cargo and is easy to use
- Vertical ribs add strength
- For use with straps up to 4.00" wide
- Black plastic construction



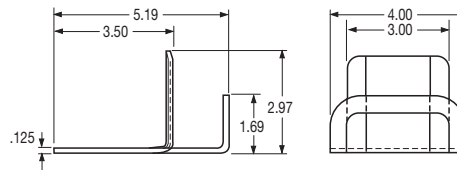
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	length	# of ribs	# of slots	slot location
982-00317	1.00	A	12.00"	2	1	center
982-00318	2.00	A	24.00"	4	1	center
982-00319	3.00	A	36.00"	6	1	center
982-00320	4.00	A	48.00"	8	2	ends

## Steel Corner Protector (for Steel Coils)

### FEATURES

- Hot dipped galvanized finish
- Steel construction
- Designed to protect both cargo and strap
- Holds straps up to 3.00" wide or chain
- Provides excellent protection when used with coils
- 50 per box



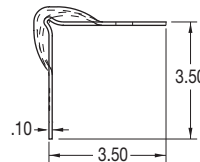
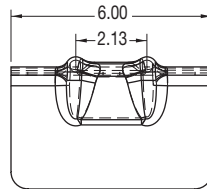
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	box qty	cross reference
982-00255	0.90	A	50	375-10

## Steel Corner Protector

### FEATURES

- Protects loads and tie-down equipment
- Helps prevent load from loosening due to cutting into product
- Use in a variety of applications: timber, sheet rock, etc.
- For use with cable and chains
- Hot dipped galvanized finish
- Steel construction
- 25 to a bag/10 per box



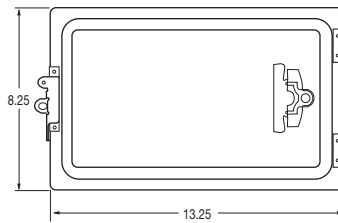
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code
982-00302	1.27	A

## Manifest Box

### FEATURES

- Aluminum case with weatherproof gasket seal to protect contents
- Tab and click stop for secure latch closing along with padlock eyelet, chrome plated clip and aluminum rivets
- Stainless steel hinge and latch assembly
- Plain aluminum or white enamel finish
- 26 per box



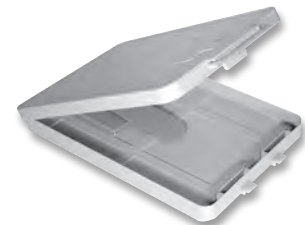
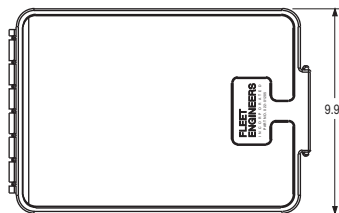
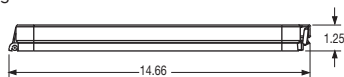
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	finish	box qty	cross reference
<b>022-01087</b>	1.00	A	plain aluminum	26	10-01
<b>022-01089</b>	1.00	A	white enamel		-

## James King Style Document Holder

### FEATURES

- For use on exterior post trailers and containers
- Heavy duty ABS plastic construction
- Latch closure protects against accidental opening.
- Papers kept in place with large built-in clip



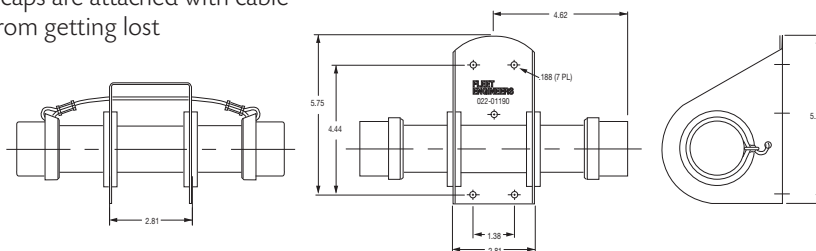
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>022-01205</b>	1.74	A	document holder	#550

## Tite-Seal Style Document Holder

### FEATURES

- Rubber end caps are attached with cable to prevent from getting lost



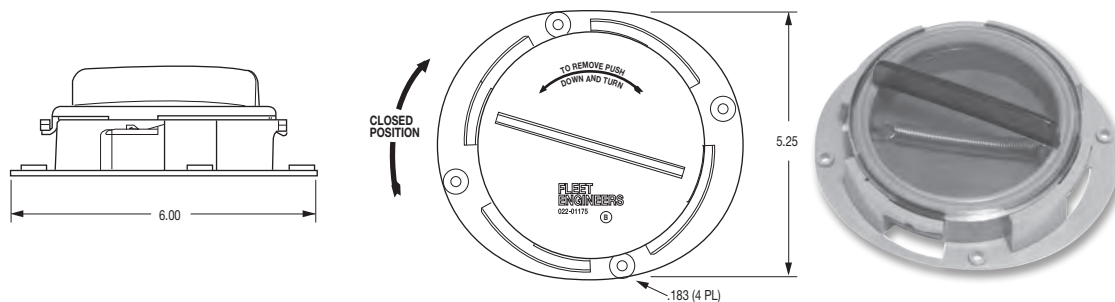
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>022-01190</b>	.61	A	document holder	#TS158CK
<b>022-01195</b>	.01	A	end cap only	

## Plastic Document Holder

### FEATURES

- Part number includes cover with gasket and base with retainer spring



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
<b>022-01175</b>	.38	A	document holder	PS-1, 97960
<b>022-01180</b>	.12	A	cover only	-

## Folding Steps (Two-Step or Three-Steps)

### FEATURES

- Black primed steel
- Fits any standard truck frame
- 500 lbs. load capacity
- Available with 5.00' wide ICC bumper bar
- Serial numbers applied at factory for identification



### ORDER DETAILS

- Contact Fleet Engineers for custom model needs

### SPECIFICATIONS FOR TWO-STEP

part no.	weight (lbs.)	pop. code	frame width (in.)	frame height (in.)	frame thickness (in.)	step width (in.)	step depth (in.)	step rise (in.)	ICC bar
<b>054-00030</b>	51.00	B	34.13	18.50	4.00	29.00	9.00	7.88	no
<b>054-00031</b>	85.00	B	34.13	20.00	4.00	29.00	9.00	7.88	yes

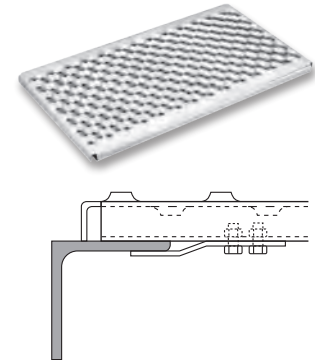
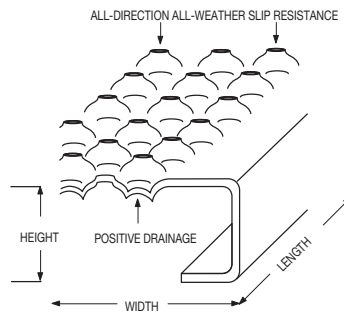
### SPECIFICATIONS FOR THREE-STEP

part no.	weight (lbs.)	pop. code	frame width (in.)	frame height (in.)	frame thickness (in.)	step width (in.)	step depth (in.)	step rise (in.)	ICC bar
<b>054-00032</b>	84.00	B	34.63	26.50	5.00	29.00	9.00	7.88	no
<b>054-00033</b>	118.00	B	34.63	28.25	5.00	29.00	9.00	7.88	yes

## Safety Service Decks

### FEATURES

- All-direction, all-weather, slip-resistant design
- Positive drainage
- Available in aluminum or galvanized steel
- Rugged, lightweight construction
- Cross braces for added strength
- Pre-drilled holes for clamps
- Complete with mounting hardware
- Adjustable clamps allow for universal mounting
- Simple, economical, clamp-on installation



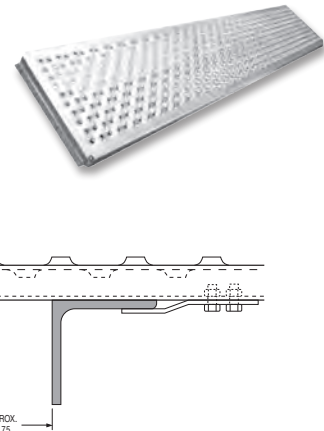
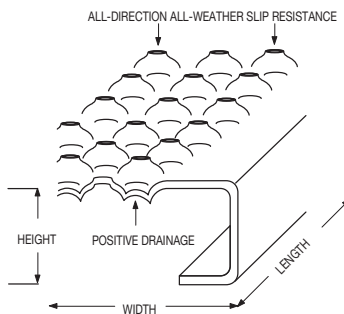
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	width (in.)	length (in.)	height (in.)	construction	cross braces
054-00041	15.30	A	service deck	18.75	33.75	1.13	galvanized steel	one
054-00042	19.90	A	service deck	23.75	33.75	1.13	galvanized steel	two
054-00043	24.70	A	service deck	28.75	33.75	1.13	galvanized steel	three
054-00044	29.80	A	service deck	33.75	33.75	1.13	galvanized steel	three
054-00047	7.90	A	service deck	18.75	33.75	1.13	aluminum	one
054-00048	10.60	A	service deck	23.75	33.75	1.13	aluminum	two
054-00049	13.50	A	service deck	28.75	33.75	1.13	aluminum	three
054-00050	15.80	A	service deck	33.75	33.75	1.13	aluminum	three
051-00046	1.50	A	hardware pkg. set				zinc plated steel	

## Long Length Safety Service Decks

### FEATURES

- Designed to cover the open area between the truck frame and side fairing
- All-direction, all-weather, slip-resistant design
- T-shaped cross brace goes the full length of deck, for added strength
- End deck area has a 300 lb. capacity
- Complete with mounting hardware



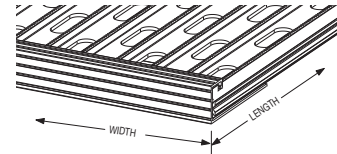
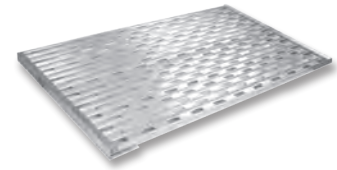
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	width (in.)	length (in.)	height (in.)	construction
054-00117	24.20	C	service deck	15.00	77.50	2.25	aluminum
051-00046	1.50	A	hardware pkg. set				

## Decorative Safety Service Decks - Top Mount

### FEATURES

- Slip-resistant ribbed deck design
- Positive drainage
- Rugged, lightweight construction
- Aluminum construction
- Mounting hardware included



### SPECIFICATIONS

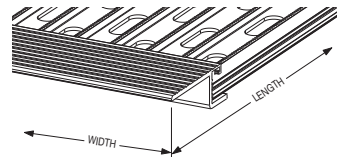
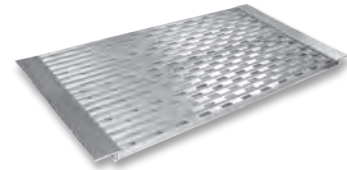
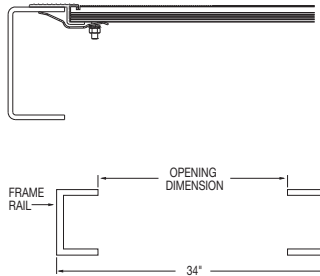
part no.	weight (lbs.)	pop. code	description	width (in.)	length* (in.)	height (in.)	cross reference
054-00200	12.00	A	service deck	18.50	33.00	.88	432
054-00201	17.00	A	service deck	27.25	33.00	.88	433
054-00202	23.00	A	service deck	37.00	33.00	.88	434
054-00203	28.00	A	service deck	46.25	33.00	.88	435
051-00078	1.50	A	hardware pack. set				-

\* Frame width direction

## Decorative Safety Service Decks - Flush Mount

### FEATURES

- Slip-resistant ribbed deck design
- Positive drainage
- Rugged, lightweight construction
- Aluminum construction
- Mounting hardware included



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	width (in.)	length* (in.)	height (in.)	frame rail opening dim.	cross ref.
054-00220	12.00	A	service deck	18.50	33.18	NA	26.25" to 27.00"	442
054-00221	17.00	A	service deck	27.25	33.18	NA	26.25" to 27.00"	443
051-00077	1.50	A	hardware pack. set					-

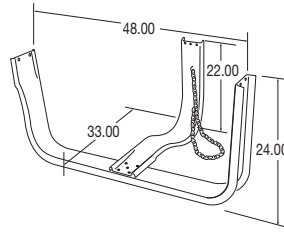
\* Frame width direction



## Nash Style Spare Tire Carrier (Standard Mount)

### FEATURES

- Heavy-duty, 12 gauge, formed steel construction
- Black primer finish
- Accommodates tires up to 11R24.5 and 12X24.5
- Universal mounting
- Additional warning decal sent at customer's request
- Optional Nash style adapter mounting brackets available (see below), part #981-00166 (boxed) or #981-00055 (bulk)



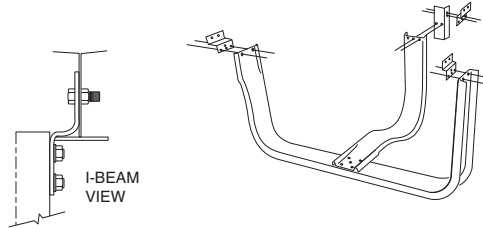
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
984-00030	32.03	A	unassembled bulk kit	Nash #300002
984-00032	32.03	A	assembled	Nash #300001
981-00159	32.03	A	unassembled boxed packaged set	
984-00035	32.03	A	unassembled banded packaged set	

## Nash Style Spare Tire Carrier Adapter

### FEATURES

- Black primer finish
- Includes zinc plated hardware
- Enable installation to I-beam cross members



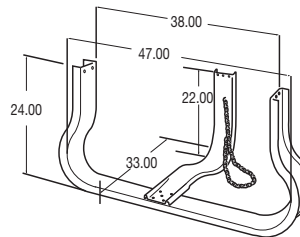
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
981-00055	5.50	A	bulk kit
981-00166	6.00	A	packaged set

## Nash Style Spare Tire Carrier (Narrow Mount)

### FEATURES

- Heavy-duty, 12 gauge, formed steel construction
- Black primer finish
- Accommodates tires up to 11.00" x 22.00"
- Universal mounting
- Additional warning decal sent at customer's request
- Optional Nash style adapter mounting brackets available, part #981-00055 (above)



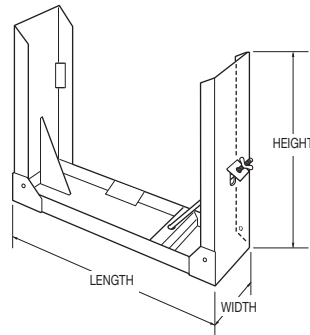
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description	cross reference
984-00065	32.03	B	assembled	Nash #300062
984-00071	32.03	B	unassembled bulk kit	

## Back Of Cab Tire Carriers

### FEATURES

- Heavy-duty, 3/16" steel construction
- Black primer finish
- Mounting brackets and hardware are not included
- May use 033-00374 (Qty. 2) for mounting bracket - order separately



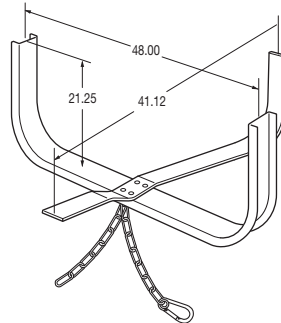
### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	tire size (in.)	length (in.)	height (in.)	width (in.)	cross reference
984-00114	59.00	C	up to 11.00 x 22.00	42.50	27.50	9.75	Nash #300013
984-00115	68.00	C	up to 11.00 x 24.50	46.00	27.50	10.75	Nash #300014

## Weld-On Tire Carrier

### FEATURES

- Heavy-duty, 12 gauge, formed steel construction for U channel
- 0.375" x 4.00" L support
- Black primer finish
- Accommodates tires up to 11.00" x 22.00"
- Additional warning decal sent at customer's request
- Comes with chain to secure tire



### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	description
984-00066	44.00	C	assembled packaged set

## Aeroflap® Display

### FEATURES

- Colorful display generates product interest
- Lightweight, only 8 pounds
- Maximizes product sales
- Compact, floor-space saving design
- Unassembled
- Product not included

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	height (in.)	width (in.)	depth (in.)
<b>034-00256</b>	8.00	A	51.00	25.00	12.125



## Product Display

### FEATURES

- Versatile, can be used with a wide variety of Fleet Engineers' products
- Maximizes product sales
- Compact, floor-space saving design
- Two literature holders included
- Twenty peg board hooks included
- Black plastic construction
- Unassembled
- Product not included

### SPECIFICATIONS

part no.	weight (lbs.)	pop. code	height (in.)	width (in.)	depth (in.)
<b>034-00255</b>	30.00	A	64.00	20.50	39.00



# Cross Reference

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004141	Morgan	022-01051	140
004161	Morgan	022-01046	140
02-10-A	Penz	011-00098	166
02-13-A	Penz	011-00100	166
022-58857-000	Freightliner	033-05176	15
022-58857-001	Freightliner	033-05175	15
027-14488	Great Dane	022-01009	135
03-207-H	Penz	013-00426	163
03-207-V	Penz	013-00436	164
03-211-H	Penz	013-00427	163
03-211-V	Penz	013-00437	164
03-215-H	Penz	013-00429	163
03-215-V	Penz	013-00439	164
03-221-H	Penz	013-00430	163
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06-410	Penz	013-00232	162
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07-50-1	Penz	033-00053	73
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10-1009-5	Whiting	994-00105	102
10-1022-1	Whiting	992-01100	94, 99, 103
10-1022-1	Whiting	992-00701	94
10-1022-6	Whiting	992-00701	99, 103
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10-1033-2	Whiting	992-00005	102
10-1046-1	Whiting	993-00721	103
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10-1073-2	Whiting	991-00126	97
10-1300S/S	Penz	024-03040	154
10-1300Z/P	Penz	024-03056	154
10-1900S/S	Penz	024-03089	130
1021	Whiting	025E10270	99

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10-40	Hansen	983-00135	173
1089	Miner	022-01182	145
1092	Whiting	025-60100	106
1-1	Whiting	025-01447	125
1-1	Whiting	025-01449	125
111000	Diamond	995-00111-400	103
111250	Diamond	995-00112-400	103
111250	Diamond	995-00113-400	103
11-2	Whiting	028-32072	111
11-2	Whiting	028-32082	111
112500	Diamond	995-00113-400	103
11-3	Whiting	028-32071	111
11-3	Whiting	028-32081	111
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1209-1ASM	Whiting	025-10009	94
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1294	Buffer	013-00198	163
1295	Buffer	013-00073	162
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1297	Buffer	013-00429	163
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1365	Buffer	013-00437	164
1366	Buffer	013-00439	164
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1370	Whiting	025E10271	99
1371A	Whiting	025E90041	99
1381	Buffer	012-00981	166
1382	Buffer	012-00981	166
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1-4	Whiting	025-01545	125
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15-1	Whiting	025-10052	94
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1580LM-kit	Fleetline	031-01092	14
1585-6	Fleetline	031-00095	31
1585B-kit	J.King/Fleetline	031-01070	10
1585LM-kit	Fleetline	031-01074	14
1-5869	Eberhard	022-00605	148
1590B-kit	J.King/Fleetline	031-01071	10
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16	Austin	021-00256	161



# Cross Reference

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16 Special	Austin	021-00217	161
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1613	Buffer	013-00991	166
1614	Buffer	013-00992	166
1615	Buffer	013-00993	166
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2032		025E10272	99
210100	Diamond	025-10201	97
210200	Diamond	025-10202	97
2105	Phoenix	031-01635	12
21100291	Wabash	022-00975	145
21101272	Wabash	022-01047	145
220000	Diamond	025-10001	92
220100	Diamond	025-10050	92
2275-1	Whiting	028-02290	111
2275-1	Whiting	028-02291	111
2275-1	Whiting	028-02201	111
2275-1	Whiting	028-02202	111
2275-1	Whiting	028-02214	111
2275-1	Whiting	028-02215	111
2275-2	Whiting	028-02090	111
2275-2	Whiting	028-02091	111
2275-2	Whiting	028-02101	111
2275-2	Whiting	028-02102	111
2275-2	Whiting	028-02114	111
2275-2	Whiting	028-02115	111
2370	Whiting	991-00609	98
230000	Diamond	025-10250	97
240000	Diamond	025-10300	102
240100	Diamond	994-00002	102
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2548	Whiting	027-20304	116
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### Fractions of an Inch with Decimal / Metric Equivalents

fraction	decimal	millimeters
1/64	.0156	.3969
1/32	.0313	.7938
3/64	.0469	1.1906
1/16	.0625	1.5875
5/64	.0781	1.9844
3/32	.0938	2.3813
7/64	.1094	2.7781
1/8	.1250	3.1750
9/64	.1406	3.5719
5/32	.1563	3.9687
11/64	.1719	4.3656
3/16	.1875	4.7625
13/64	.2031	5.1594
7/32	.2188	5.5563
15/64	.2344	5.9531
1/4	.2500	6.3500
17/64	.2656	6.7469
9/32	.2813	7.1438
19/64	.2969	7.5406
5/16	.3125	7.9375
21/64	.3281	8.3344
11/32	.3438	8.7313
23/64	.3594	9.1281
3/8	.3750	9.5250
25/64	.3906	9.9219
13/32	.4063	10.3188
27/64	.4219	10.7156
7/16	.4375	11.1125
29/64	.4531	11.5094
15/32	.4688	11.9063
31/64	.4844	12.3031
1/2	.5000	12.7000
33/64	.5156	13.0969
17/32	.5313	13.4938
35/64	.5469	13.8906
9/16	.5625	14.2875
37/64	.5781	14.6844
19/32	.5938	15.0813
39/64	.6094	15.4781
5/8	.6250	15.8750
41/64	.6406	16.2719
21/32	.6563	16.6688
43/64	.6716	17.0656
11/16	.6875	17.4625
45/64	.7031	17.8594
23/32	.7188	18.2563
47/64	.7344	18.6531
3/4	.7500	19.0500
49/64	.7656	19.4469
25/32	.7813	19.8438
51/64	.7969	20.2406
13/16	.8125	20.6375
53/64	.8281	21.0344
27/32	.8438	21.4313
55/64	.8594	21.8281
7/8	.8750	22.2250
57/64	.8906	22.6219
29/32	.9063	23.0188
59/64	.9219	23.4156
15/16	.9375	23.8125
61/64	.9531	24.2093
31/32	.9688	24.6063
63/64	.9844	25.0031
1	1.0000	25.4000





### Millimeter to Inch Conversion

mm	inch	mm	inch
1	0.0394	51	2.0079
2	0.0787	52	2.0472
3	0.1181	53	2.0866
4	0.1575	54	2.1260
5	0.1969	55	2.1654
6	0.2362	56	2.2047
7	0.2756	57	2.2441
8	0.3150	58	2.2835
9	0.3543	59	2.3228
10	0.3937	60	2.3622
11	0.4331	61	2.4016
12	0.4724	62	2.4409
13	0.5118	63	2.4803
14	0.5512	64	2.5197
15	0.5906	65	2.5591
16	0.6299	66	2.5984
17	0.6693	67	2.6378
18	0.7087	68	2.6772
19	0.7480	69	2.7165
20	0.7874	70	2.7559
21	0.8268	71	2.7953
22	0.8661	72	2.8346
23	0.9055	73	2.8740
24	0.9449	74	2.9134
25	0.9843	75	2.9528
26	1.0236	76	2.9921
27	1.0630	77	3.0315
28	1.1024	78	3.0709
29	1.1417	79	3.1102
30	1.1811	80	3.1496
31	1.2205	81	3.1890
32	1.2598	82	3.2283
33	1.2992	83	3.2677
34	1.3386	84	3.3071
35	1.3780	85	3.3465
36	1.4173	86	3.3858
37	1.4567	87	3.4252
38	1.4961	88	3.4646
39	1.5354	89	3.5039
40	1.5748	90	3.5433
41	1.6142	91	3.5827
42	1.6535	92	3.6220
43	1.6929	93	3.6614
44	1.7323	94	3.7008
45	1.7717	95	3.7402
46	1.8110	96	3.7795
47	1.8504	97	3.8189
48	2.8740	98	3.8583
49	1.9291	99	3.8976
50	1.9685	100	3.9370

### Comparison of Gauges (Based on Steel Sheet Equivalent)

gauge no.	U.S. standard	gauge no.	U.S. standard
3	.2391	21	.0329
4	.2242	22	.0299
5	.2092	23	.0269
6	.1943	24	.0239
7	.1793	25	.0209
8	.1644	26	.0179
9	.1495	27	.0164
10	.1345	28	.0149
11	.1196	29	.0135
12	.1046	30	.0120
13	.0897	31	.0105
14	.0747	32	.0097
15	.0673	33	.0090
16	.0598	34	.0082
17	.0538	35	.0075
18	.0478	36	.0067
19	.0418	37	.0064
20	.0359	38	.0060

### Torque Specification

bolt size- material or grade				
	SAE 2 Low Carbon Steel	SAE 5 Medium Carbon Steel- Quenched & Tempered	SAE 8 Medium Carbon Alloy Steel- Quenched & Tempered	Stainless AISI TYPE 303 18-8
1/4-20	6	11	12	5
1/4-28	7	13	15	7
5/16-18	13	21	25	9
5/16-24	14	23	30	10
3/8-16	23	38	50	17
3/8-24	26	40	60	18
7/16-14	37	55	85	25
7/16-20	41	60	95	28
1/2-14	57	85	125	37
1/2-20	64	95	140	40
9/16-12	80	125	175	50
9/16-18	91	140	195	54
5/8-11	111	175	245	75
5/8-18	128	210	270	80
3/4-10	180	300	425	115
3/4-16	200	330	460	125
7/8-9	275	450	660	170
7/8-14	300	490	700	185
1"-8	415	680	990	260
1"-14	435	715	1050	270

### Torque Units Conversion

To Obtain \ # of	Inch Ounces	Inch Pounds	Foot Pounds	Meter Kilograms	Newton Meters
Inch Ounces	1	16	192	1389	141.6
Inch Pounds	.0625	1	12	86.80	8.851
Foot Pounds	.005208	.08333	1	7.233	.7376
Meter Kilogram	.0007201	.01152	.1383	1	.1020
Newton-Meters	.007061	.1130	1.356	9.806	1

### Metric Weight Equivalents

conversion of mass  
from U.S. to metric  
pounds x 0.454 =  
kilograms



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