

# VALU GUIDE® & NOLU PLASTICS

have merged...

## Solus® Industrial In—— s

**V**ision. At the forefront of the conveying and packaging industry. A technical resource. Setting standards.

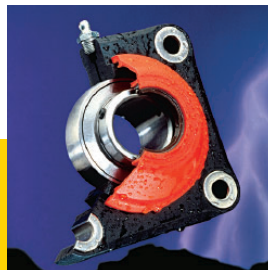
**D**esign. A century of experience meeting customers' needs. Meeting market demands today and tomorrow through product innovations.

**F**unction. Reducing operating costs and improving efficiencies through time-saving, cost-effective products. Dependable quality.

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Solus®  
Industrial Innovations

866-765-8744  
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Solus Industrial Innovations, the company formed by merging Valu Engineering and Nolu Plastics, is proud to present our products in this comprehensive catalog. Our main product line, Valu Guide conveyor components, is featured throughout. Valu Guide parts have been performing in factories, facilities, and plants for decades.

We know that you are confronted by a wide array of challenges that can change overnight. The components you buy for your equipment must be durable, adaptable, and reliable. Productivity and product innovation are essential to your economic success. When it's time to buy or replace your conveyor components and industrial parts, look to Solus Industrial Innovations, the makers of Valu Guide.

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4 4 S O L U S

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# Welcome...



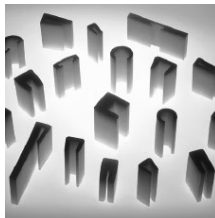
## Guide Rails and Hardware ..... 5

Guide Rails: UHMW, Nolu-S, Black, Solid, High Temp		
Lane Dividers	Chain Guides	Wear Beds
PolyGlide Rails	Guide Rail Bender	Rail Clamps
Double Rail Clamps	Rail Clips	Rail Splicing
Rail Accessories	Round Rail Clamps	



## Low Friction Bead Guides ..... 43

SpeedRail	SpeedRoll	Lane Dividers
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## Conveyor Rollers ..... 175

Off-The-Shelf Rollers	Customized Rollers	
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## Machine & Equipment Components ..... 201

Articulating Machine Levelers	Threaded Tube Ends	
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## Mounted Bearings & Accessories ..... 235

LifeGard Bearings, Covers and Seals	
Nolu-S Bearing Inserts	Metal Flange Bearings
Shaft Protector Bearings	

# How To Use This Catalog

Product series identification

**201**

Product name

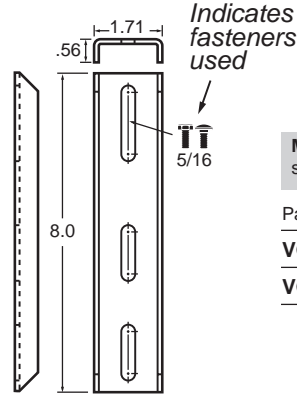
**Fixed Guide Rail Bracket**

Support for guide rail.  
New slots offer greater adjustability.

Product description or typical uses



Illustration or photo of the product



Dimensioned drawing

Materials used in production

**Materials:** Bracket is zinc plated carbon steel (P) or 12 ga. stainless steel (S).

Part Number	Material	Length (in.)
<b>VG-201-P08</b>	<b>P</b>	<b>8</b>
<b>VG-201-S08</b>	<b>S</b>	<b>8</b>

Part numbers and other related information such as lengths, colors, or fasteners



Look for this symbol identifying new products throughout the catalog.

## Five Year Warranty

Solus Industrial Innovations, LLC warrants products it manufactures to be free from defects in materials and workmanship, under normal use and service, for a period of 5 years from the date of sale to the original user. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. Neither Solus nor its agents shall be liable for any direct, indirect, consequential or incidental damages resulting from the use, or results of use of these products. This warranty cannot be added to, changed or altered without the express written consent of an officer of Solus. Products found to be defective within this warranty period will be repaired, replaced or refunded, at the sole option of Solus. The limit of the liability to Solus will be the sales price of the products from Solus to its customer. All freight costs incurred in shipping products to or from Solus are at the expense of the customer. No products are to be returned without the express written consent of Solus. Products not manufactured by Solus may be warranted by the original manufacturer. No other warranty or liability is expressed or implied.

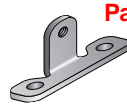
# 688 SpeedRoll™ Series

- Great for polywrapped containers or PET
- On-site bendable
- Cut to desired length
- Easy mounting



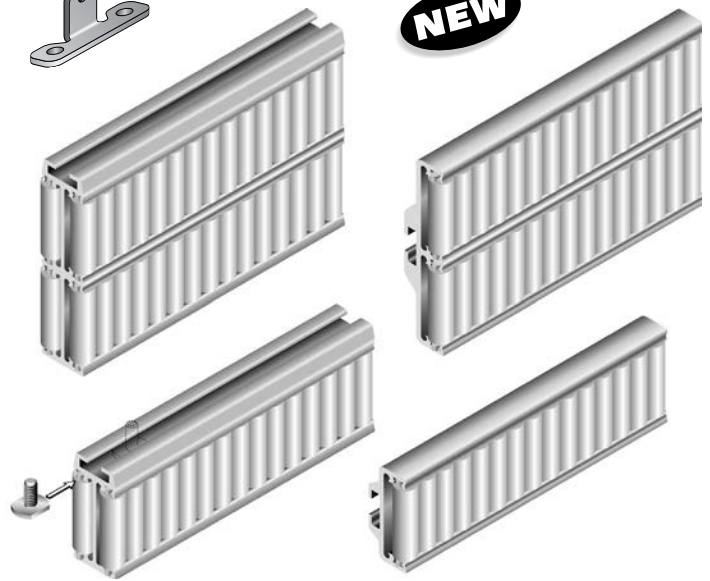
Patent No.  
6,516,933

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**NEW**



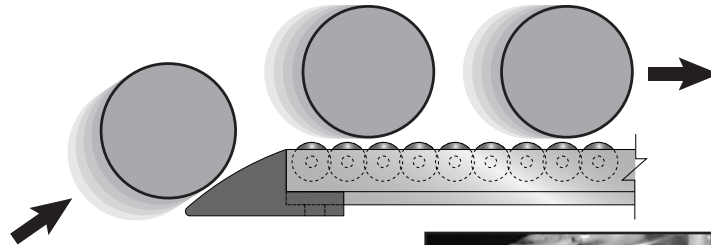
Guide Rails & Hardware

# NP, SP

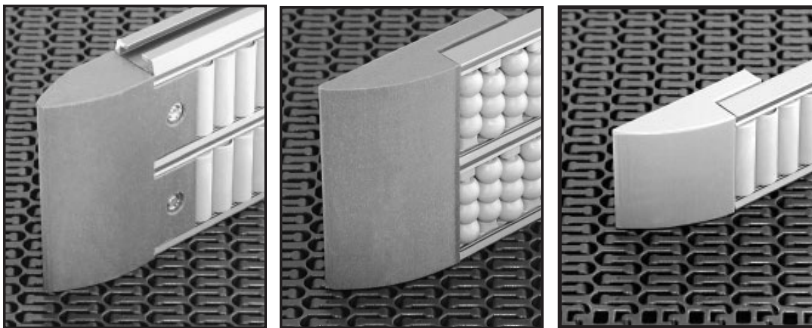
**NEW**

## Nose Plow Side Plow

Helps product flow easily into the area where BeadRail, SpeedRail, or SpeedRoll are used.



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# MBG, SBG

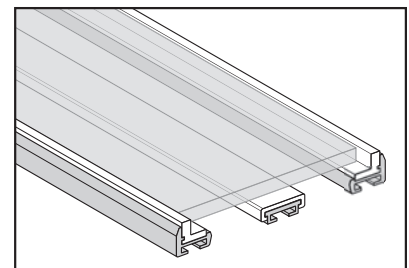
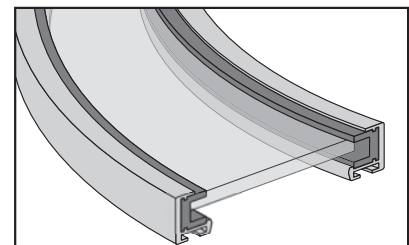
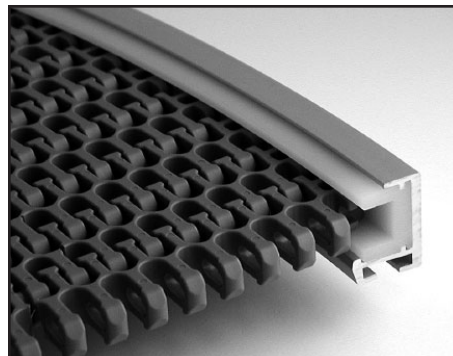
**NEW**



## Modular Conveyor Belt Side Guides and Wear Strips

Aluminum and UHMW guide rail for use in guiding the sides of selected plastic modular conveyor belts. Ultra-low friction. Easily formed into curves with the Valu Guide Rail Bending Machine. Available in 10 ft. lengths. Minimum radius 18" (inside edge). Replaceable UHMW strips.

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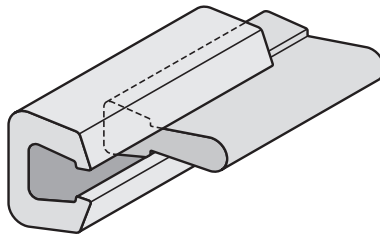


**ABG, PBG**

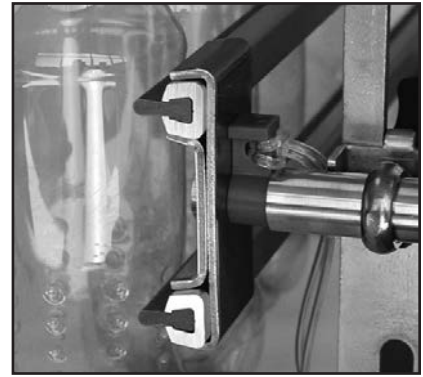
**NEW**

**Aluminum Rail with Nolu-S Insert**

used to guide containers, especially PET, in applications such as air conveying. Many air conveyor users and manufacturers have found that brush guides tend to get contaminated with debris, which causes increased friction and marking of PET bottles. Nolu-S is the perfect combination of extremely low friction in a tough UHMW based material. Nolu-S will not mark bottles while allowing faster speeds and greater throughput.



**Page 65**



**Neck Guides for PET Containers**

**NEW**

Helps guide PET containers in high speed, air conveying applications. Nolu-SR is a proprietary alloy of reinforced UHMW and other USDA accepted lubricants, resulting in a harder, lower friction material that is ideal in these applications. Though designs differ, the material of choice is Nolu-SR, proven to increase throughput, reduce jams and wear longer.

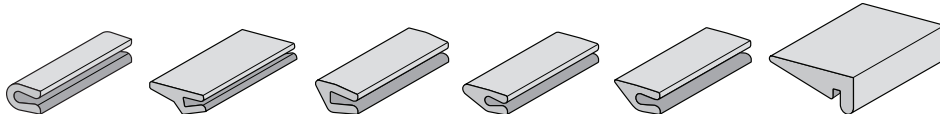


**OEM's Choice!**  
10+ years  
US and Europe

**Page 64**



Helps guide PET containers in high speed applications. Ideal for air conveying situations. Five new profiles available.



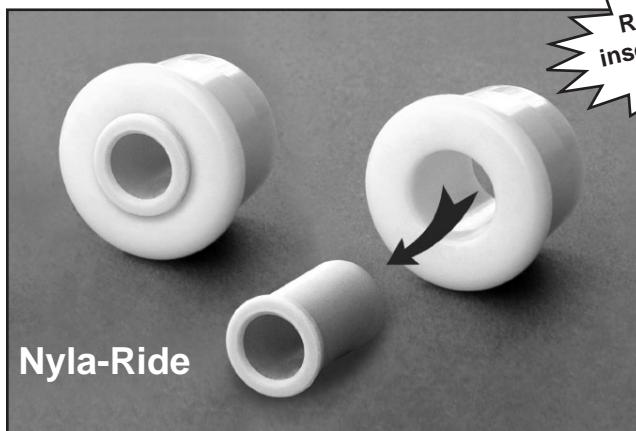
**Nyla-Ride**

**NEW**

**Page 194**

**Sleeve Bearings**

Nyla-Ride is a new lubricated nylon material that combines the strength properties of nylon with a lower coefficient of friction. Color coded for easy bore identification.

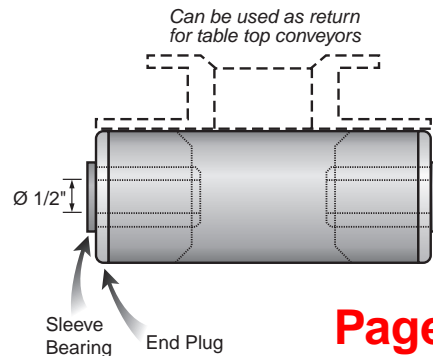


**Nyla-Ride**

**Replace the insert and reuse the roller!**

**"Off The Shelf"**

- **Rollers with Nyla-Ride™ Bearings**
- **Popular Replacement Sizes**
- **Readily Available Inventory**
- **Easy Ordering and Re-ordering**



**Page 178**

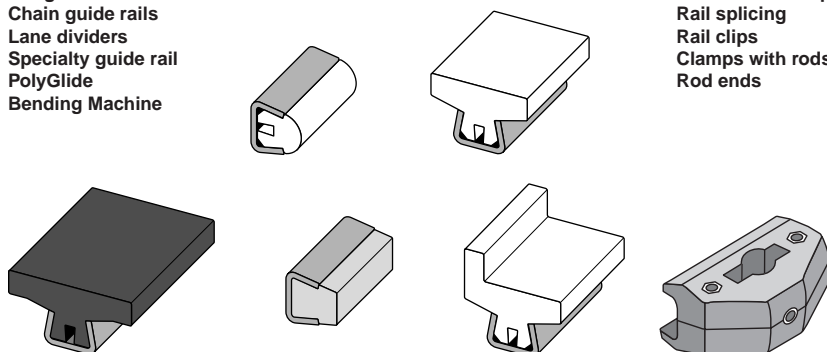
# Guide Rails and Hardware



## Section Overview

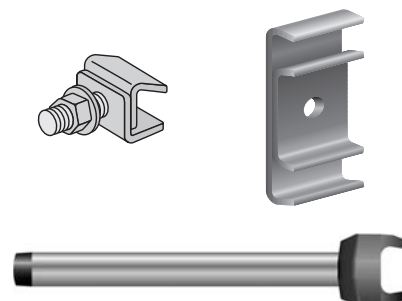
### Valu Guide Rails ... Page 8

- Side guide rails
- Tee guide rails
- Chain guide rails
- Lane dividers
- Specialty guide rail
- PolyGlide
- Bending Machine



### Guide Rail Hardware ... Page 29

- Single rail clamps
- Double rail clamps
- Rail splicing
- Rail clips
- Clamps with rods
- Rod ends



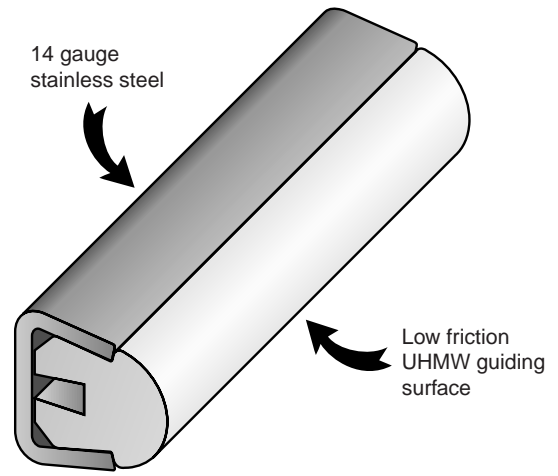
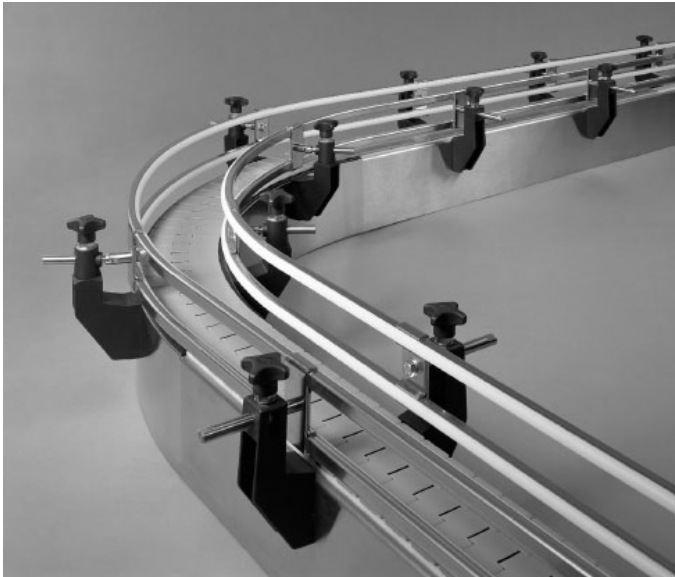
# VALU GUIDE®

## The Original, Long Life Sanitary Guide Rail

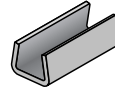
Valu Guide rail incorporates two outstanding materials: stainless steel and UHMW. The 14 ga. stainless steel sheath provides rigid streamlined support for heavy loads at any speed, plus a solid connecting point for holding the rail in place with clamps and brackets. The UHMW guiding surface is available in a wide selection of shapes. The very low friction characteristics of UHMW allow containers to move at high speed with a minimum of drag, container damage, and noise.



Valu Guide materials are approved by the FDA and accepted for use in USDA inspected facilities.



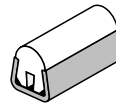
### Valu Guide Sheaths



#### Stainless Steel.

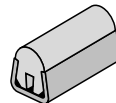
Valu Guide rail sheaths are typically stainless steel, used for its excellent resistance to corrosion and long lasting attractive appearance. 316 stainless steel is available for even greater corrosion protection. Galvanized steel can be ordered as an economical alternative to stainless steel.

### Valu Guide Inserts



#### Natural UHMW - Translucent white.

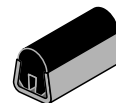
Valu Guide's manufacturing process allows the use of UHMW without additives or other processing chemicals. The result is a material that resists abrasion better, is more color stable (less prone to yellowing) and of uniform consistency.



### Optional Valu Guide Inserts

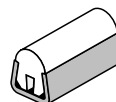
#### Nolu-S UHMW - Battleship grey color.

A proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.



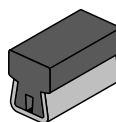
#### Static Dissipating UHMW - Black color.

Valu Guide's special formulation retains the low friction and wear characteristics of UHMW while effectively reducing problems caused by static. See page 22 for specifications.



#### UV Stabilized UHMW - White color.

Ultra violet light from the sun or other sources can have an impact on UHMW. Visually, the surface will appear to be cracked or crazed and in severe cases, flaking will occur. To combat the effect of UV rays, a very small amount of UV stabilizing agent is added to the process during extrusion.



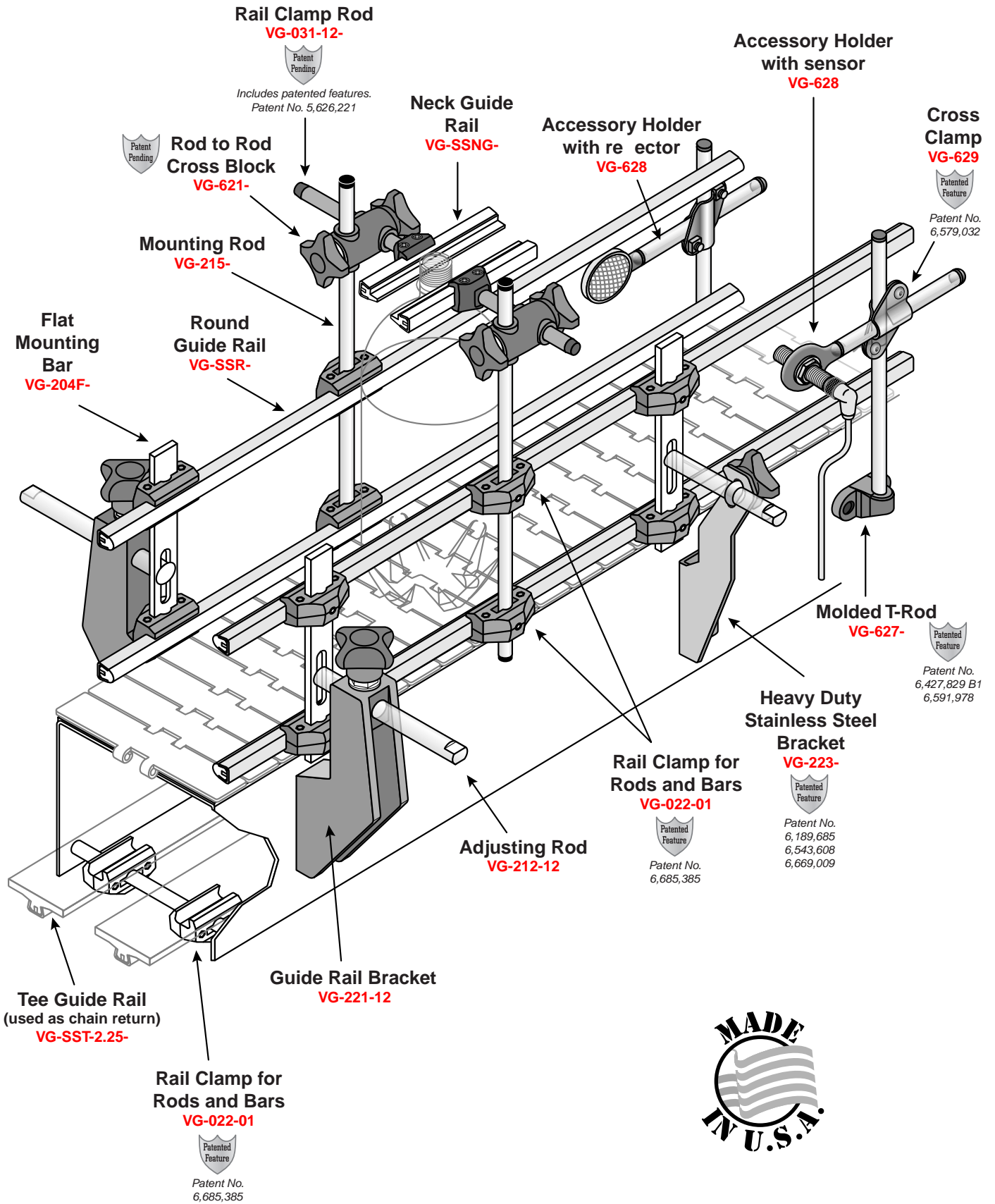
#### Nylatron - Dark grey color.

For applications such as high conveyor speeds, heavy loads or abrasive conditions, selected rails are available in Nylatron material. Nylatron is a harder, stronger, higher temperature (up to 200°F) material for harsh conveying conditions.

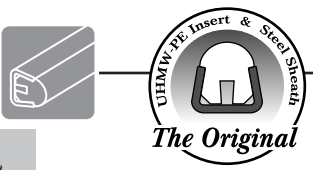
### Typical Properties of Valu Guide Rail

	Unit	UHMW	304 Stainless Steel
Density	lb/in <sup>3</sup>	.034	.283
Tensile Strength	PSI	4,000 - 5,500	70,000
Tensile Modulus of Elasticity	PSI	90,000	29,000,000
Dynamic Coefficient of Friction (dry vs. steel)		.09 - .12	-
Coefficient of Linear Thermal Expansion	in/in/°F	7.2 x 10 <sup>-5</sup>	9.6 x 10 <sup>-6</sup>
Continuous Service Air Temperature (*max.)	°F	160/180	-

# Typical Valu Guide Component Applications



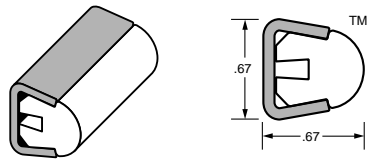




## Guide Rail

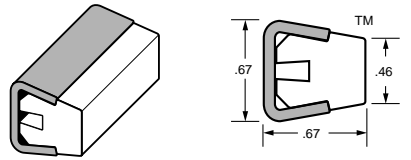
### R

**Round Rail**  
General purpose side rail for minimum container contact.



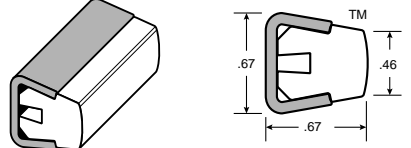
### F

**Flat Rail**  
Side rail or wear strip when a wider surface contact is required. Can also be used as a chain guide for #60 roller chain. Also see page 172.



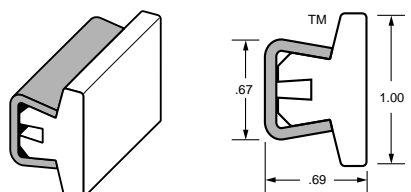
### M

**Modified Rail**  
Side rail for soft containers where minimum contact is required in order to prevent damage during higher side loading conditions.



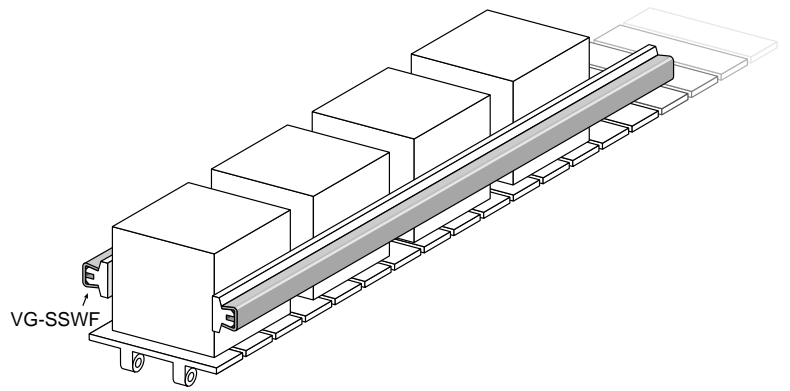
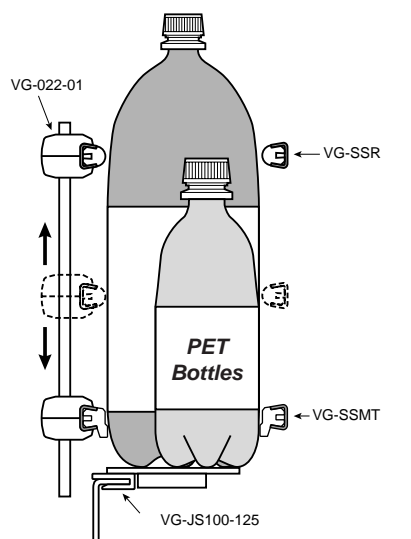
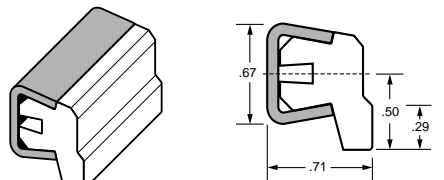
### WF

**Wide Flat Rail**  
Side rail or wear strip. Can be used in combination with the above rails when a greater contact area is required.



### MT

**Modified Tee Rail**  
Side rail when narrow surface contact or control is necessary following application of a label.



### Natural White UHMW

**Material:** UHMW Insert and stainless steel or galvanized steel sheath, 14 gauge.

Stainless	Galvanized	Length* (ft.)
VG-SSR-8	VG-GSR-8	8
VG-SSR-10	VG-GSR-10	10
VG-SSR-12	VG-GSR-12	12
VG-SSR-20	VG-GSR-20	20

VG-SSF-8	VG-GSF-8	8
VG-SSF-10	VG-GSF-10	10
VG-SSF-12	VG-GSF-12	12
VG-SSF-20	VG-GSF-20	20

VG-SSM-8	VG-GSM-8	8
VG-SSM-10	VG-GSM-10	10
VG-SSM-12	VG-GSM-12	12
VG-SSM-20	VG-GSM-20	20

VG-SSWF-8	VG-GSWF-8	8
VG-SSWF-10	VG-GSWF-10	10
VG-SSWF-12	VG-GSWF-12	12
VG-SSWF-20	VG-GSWF-20	20

VG-SSMT-8	VG-GSMT-8	8
VG-SSMT-10	VG-GSMT-10	10
VG-SSMT-12	VG-GSMT-12	12
VG-SSMT-20	VG-GSMT-20	20

## Guide Rail with Premium UHMW Materials

### Gray Nolu-S

Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

VG-SSR-NS-8
VG-SSR-NS-10
VG-SSR-NS-12
VG-SSR-NS-20

VG-SSF-NS-8
VG-SSF-NS-10
VG-SSF-NS-12
VG-SSF-NS-20

VG-SSM-NS-8
VG-SSM-NS-10
VG-SSM-NS-12
VG-SSM-NS-20

VG-SSWF-NS-8
VG-SSWF-NS-10
VG-SSWF-NS-12
VG-SSWF-NS-20

VG-SSMT-NS-8
VG-SSMT-NS-10
VG-SSMT-NS-12
VG-SSMT-NS-20

### Black

Black UHMW insert and stainless steel sheath, 14 gauge.

VG-SSR-B-8
VG-SSR-B-10
VG-SSR-B-12
VG-SSR-B-20

VG-SSF-B-8
VG-SSF-B-10
VG-SSF-B-12
VG-SSF-B-20

VG-SSM-B-8
VG-SSM-B-10
VG-SSM-B-12
VG-SSM-B-20

VG-SSWF-B-8
VG-SSWF-B-10
VG-SSWF-B-12
VG-SSWF-B-20

VG-SSMT-B-8
VG-SSMT-B-10
VG-SSMT-B-12
VG-SSMT-B-20

### Static Dissipating

Static dissipating UHMW insert and stainless steel sheath, 14 gauge.

VG-SSR-SD-8	8
VG-SSR-SD-10	10
VG-SSR-SD-12	12
VG-SSR-SD-20	20

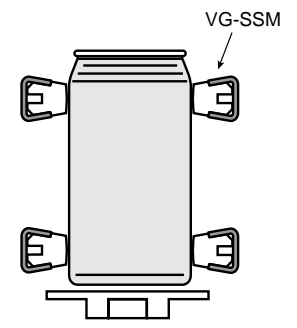
VG-SSF-SD-8	8
VG-SSF-SD-10	10
VG-SSF-SD-12	12
VG-SSF-SD-20	20

VG-SSM-SD-8	8
VG-SSM-SD-10	10
VG-SSM-SD-12	12
VG-SSM-SD-20	20

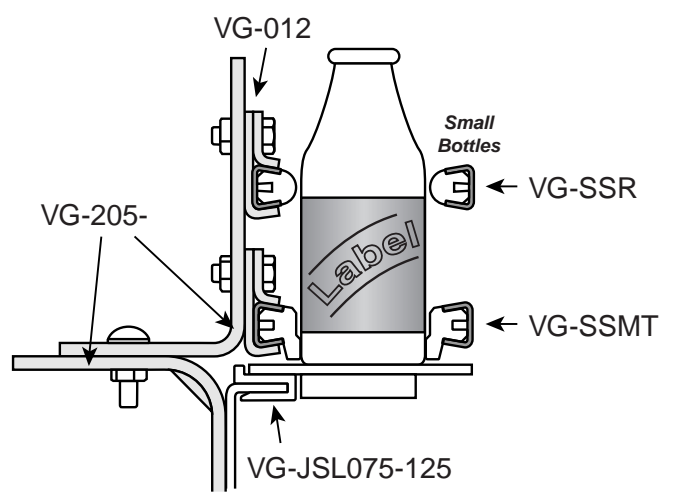
VG-SSWF-SD-8	8
VG-SSWF-SD-10	10
VG-SSWF-SD-12	12
VG-SSWF-SD-20	20

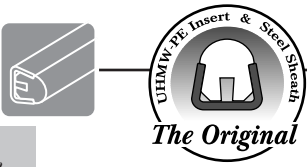
VG-SSMT-SD-8	8
VG-SSMT-SD-10	10
VG-SSMT-SD-12	12
VG-SSMT-SD-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order. UV stabilized UHMW and 316 stainless steel are available on a special order basis.



Aluminum Cans





## Tee Guide Rail

Valu Guide Tee Guide Rail can be used as a side rail when a larger container contact area is required or as a wear strip for wide metal or plastic belting and slat top chain. These rail shapes are also shown with conveyor chain wear beds on [page 130](#).



**Natural White UHMW**  
Material: UHMW Insert and stainless steel or galvanized steel sheath, 14 gauge.

Stainless	Galvanized	Length* (ft.)
VG-SST-.75-8	VG-GST-.75-8	8
VG-SST-.75-10	VG-GST-.75-10	10
VG-SST-.75-12	VG-GST-.75-12	12
VG-SST-.75-20	VG-GST-.75-20	20

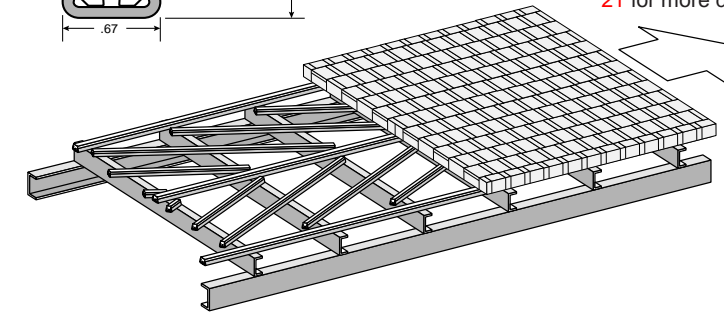
VG-SST-1.00-8	VG-GST-1.00-8	8
VG-SST-1.00-10	VG-GST-1.00-10	10
VG-SST-1.00-12	VG-GST-1.00-12	12
VG-SST-1.00-20	VG-GST-1.00-20	20

VG-SST-1.25-8	VG-GST-1.25-8	8
VG-SST-1.25-10	VG-GST-1.25-10	10
VG-SST-1.25-12	VG-GST-1.25-12	12
VG-SST-1.25-20	VG-GST-1.25-20	20

VG-SST-1.60-8	VG-GST-1.60-8	8
VG-SST-1.60-10	VG-GST-1.60-10	10
VG-SST-1.60-12	VG-GST-1.60-12	12
VG-SST-1.60-20	VG-GST-1.60-20	20

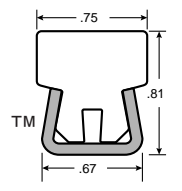
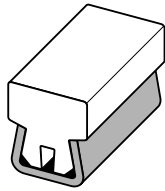
VG-SST-2.25-8	VG-GST-2.25-8	8
VG-SST-2.25-10	VG-GST-2.25-10	10
VG-SST-2.25-12	VG-GST-2.25-12	12
VG-SST-2.25-20	VG-GST-2.25-20	20

Valu Guide rail can be used to form a wear bed grid for metal or plastic belts. See [page 21](#) for more details.

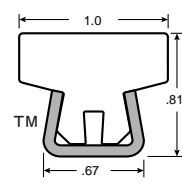
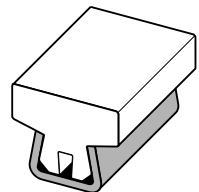


See [page 20](#) for selected Tee rails available in **Nylatron** for applications such as high conveyor speeds, heavy loads or abrasive conditions. **Nylatron** is a harder, stronger, higher temperature rated (up to 200°F) material for harsh conveying conditions.

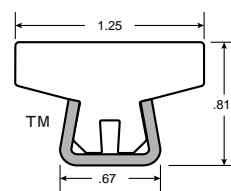
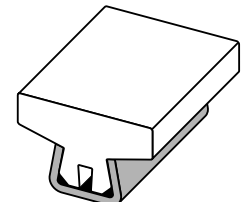
**T-.75**



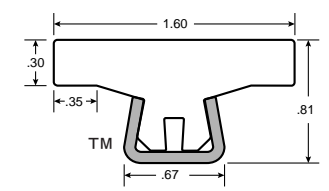
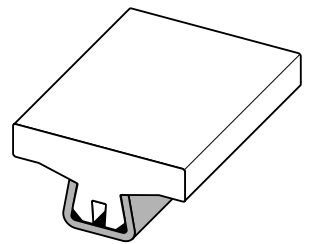
**T-1.00**



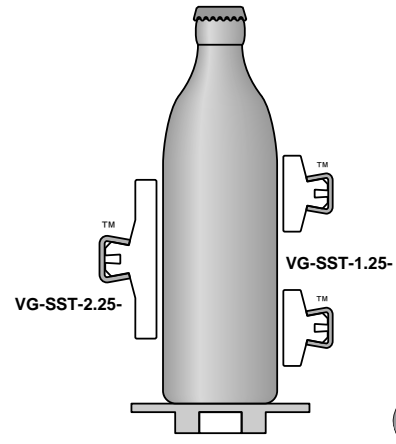
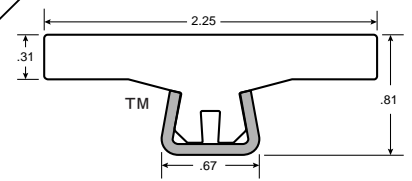
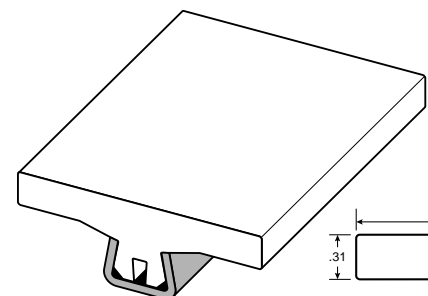
**T-1.25**



**T-1.60**



**T-2.25**



## Tee Guide Rail with Premium UHMW Materials



**Gray Nolu-S**  
Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-.75-NS-8
VG-SST-.75-NS-10
VG-SST-.75-NS-12
VG-SST-.75-NS-20

VG-SST-1.00-NS-8
VG-SST-1.00-NS-10
VG-SST-1.00-NS-12
VG-SST-1.00-NS-20

VG-SST-1.25-NS-8
VG-SST-1.25-NS-10
VG-SST-1.25-NS-12
VG-SST-1.25-NS-20

VG-SST-1.60-NS-8
VG-SST-1.60-NS-10
VG-SST-1.60-NS-12
VG-SST-1.60-NS-20

VG-SST-2.25-NS-8
VG-SST-2.25-NS-10
VG-SST-2.25-NS-12
VG-SST-2.25-NS-20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order. UV stabilized UHMW and 316 stainless steel are available on a special order basis.



**Black**  
Black UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-.75-B-8
VG-SST-.75-B-10
VG-SST-.75-B-12
VG-SST-.75-B-20

VG-SST-1.00-B-8
VG-SST-1.00-B-10
VG-SST-1.00-B-12
VG-SST-1.00-B-20

VG-SST-1.25-B-8
VG-SST-1.25-B-10
VG-SST-1.25-B-12
VG-SST-1.25-B-20

VG-SST-1.60-B-8
VG-SST-1.60-B-10
VG-SST-1.60-B-12
VG-SST-1.60-B-20

VG-SST-2.25-B-8
VG-SST-2.25-B-10
VG-SST-2.25-B-12
VG-SST-2.25-B-20



**Static Dissipating**  
Static dissipating UHMW insert and stainless steel sheath, 14 gauge.

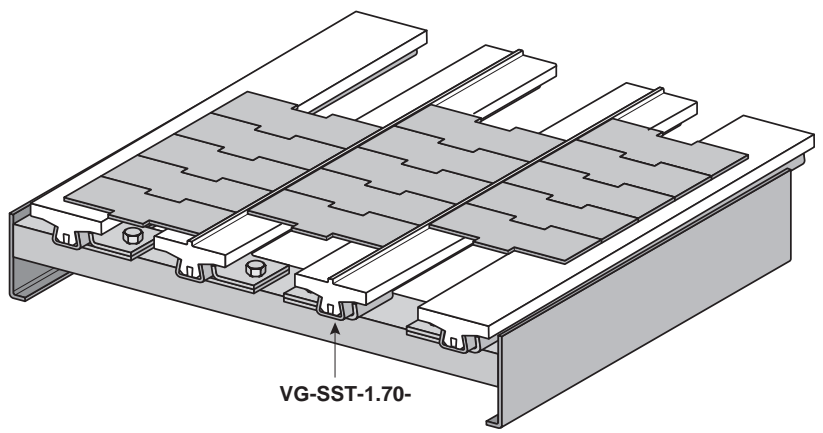
VG-SST-.75-SD-8
VG-SST-.75-SD-10
VG-SST-.75-SD-12
VG-SST-.75-SD-20

VG-SST-1.00-SD-8
VG-SST-1.00-SD-10
VG-SST-1.00-SD-12
VG-SST-1.00-SD-20

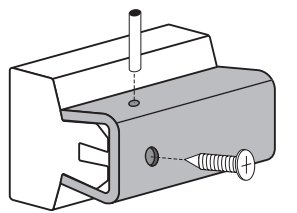
VG-SST-1.25-SD-8
VG-SST-1.25-SD-10
VG-SST-1.25-SD-12
VG-SST-1.25-SD-20

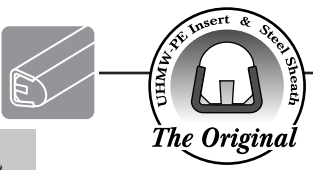
VG-SST-1.60-SD-8
VG-SST-1.60-SD-10
VG-SST-1.60-SD-12
VG-SST-1.60-SD-20

VG-SST-2.25-SD-8
VG-SST-2.25-SD-10
VG-SST-2.25-SD-12
VG-SST-2.25-SD-20



**Important Note:** When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.

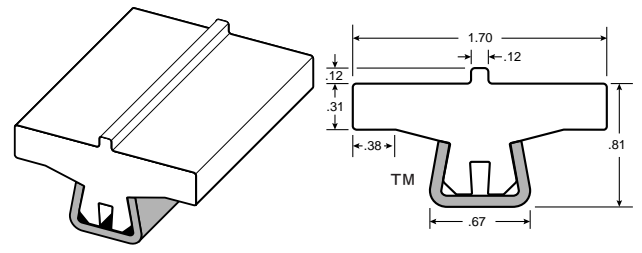




## Tee Guide Rail

### T-1.70

**Ribbed Tee**  
Used as wear strip and support assembly for multi-lane 3/4 in. slat top chain.



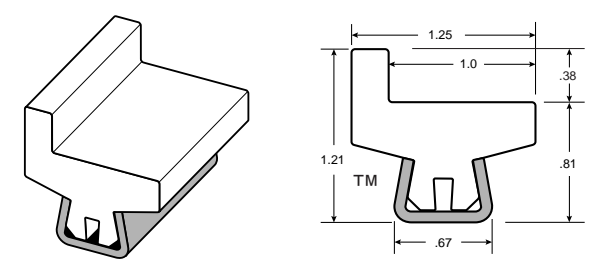
### Natural White UHMW

**Material:** UHMW Insert and stainless steel or galvanized steel sheath, 14 gauge.

Stainless	Galvanized	Length* (ft.)
VG-SST-1.70-8	VG-GST-1.70-8	8
VG-SST-1.70-10	VG-GST-1.70-10	10
VG-SST-1.70-12	VG-GST-1.70-12	12
VG-SST-1.70-20	VG-GST-1.70-20	20

### LT

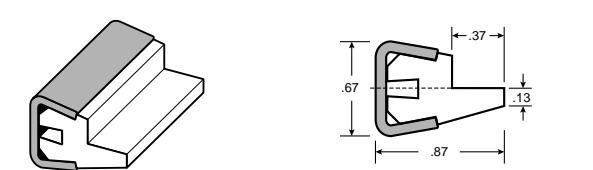
**EII Tee**  
Wear strip and side guide for modular wide belts. Provides positive edge tracking and a low friction, abrasion resistant support.



VG-SSLT-1.0x.38-8	VG-GSLT-1.0x.38-8	8
VG-SSLT-1.0x.38-10	VG-GSLT-1.0x.38-10	10
VG-SSLT-1.0x.38-12	VG-GSLT-1.0x.38-12	12
VG-SSLT-1.0x.38-20	VG-GSLT-1.0x.38-20	20

### NG

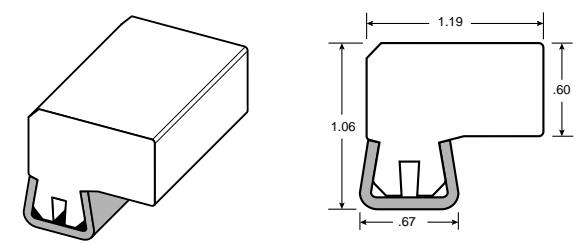
**Neck Guide**  
Side rail used as auxiliary support for PET beverage bottles on both table top and air conveyors.



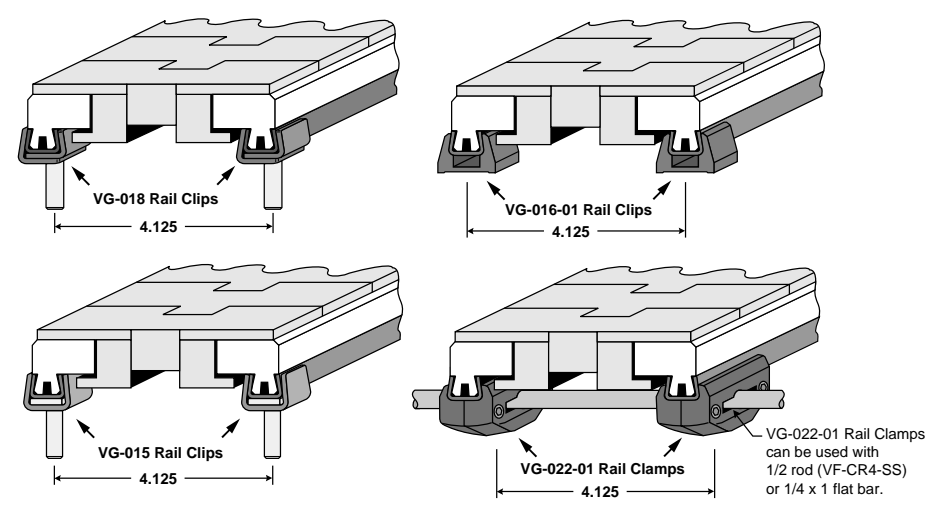
VG-SSNG-8	VG-GSNG-8	8
VG-SSNG-10	VG-GSNG-10	10
VG-SSNG-12	VG-GSNG-12	12
VG-SSNG-20	VG-GSNG-20	20

### TG

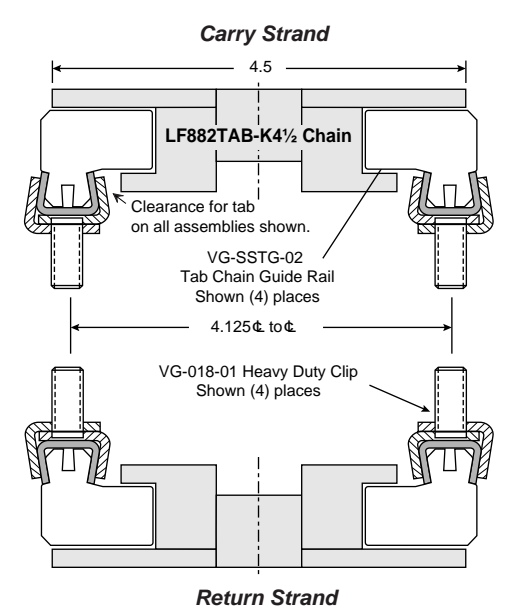
**Tab Chain Guide**  
Economical alternative to other chain guiding systems. For use with 882-4-1/2 and 882-LBP-3-3/4 style chains.



VG-SSTG-02-8	VG-GSTG-02-8	8
VG-SSTG-02-10	VG-GSTG-02-10	10
VG-SSTG-02-12	VG-GSTG-02-12	12
VG-SSTG-02-20	VG-GSTG-02-20	20



Tab Chain Guide mounting options



## Tee Guide Rail with Premium UHMW Materials

### Gray Nolu-S

Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.70-NS-8
VG-SST-1.70-NS-10
VG-SST-1.70-NS-12
VG-SST-1.70-NS-20

### Black

Black UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.70-B-8
VG-SST-1.70-B-10
VG-SST-1.70-B-12
VG-SST-1.70-B-20

### Static Dissipating

Static dissipating UHMW insert and stainless steel sheath, 14 gauge.

	Length* (ft.)
VG-SST-1.70-SD-8	8
VG-SST-1.70-SD-10	10
VG-SST-1.70-SD-12	12
VG-SST-1.70-SD-20	20

VG-SSLT-1.0x.38-NS-8
VG-SSLT-1.0x.38-NS-10
VG-SSLT-1.0x.38-NS-12
VG-SSLT-1.0x.38-NS-20

VG-SSLT-1.0x.38-B-8
VG-SSLT-1.0x.38-B-10
VG-SSLT-1.0x.38-B-12
VG-SSLT-1.0x.38-B-20

VG-SSLT-1.0x.38-SD-8	8
VG-SSLT-1.0x.38-SD-10	10
VG-SSLT-1.0x.38-SD-12	12
VG-SSLT-1.0x.38-SD-20	20

VG-SSNG-NS-8
VG-SSNG-NS-10
VG-SSNG-NS-12
VG-SSNG-NS-20

VG-SSNG-B-8
VG-SSNG-B-10
VG-SSNG-B-12
VG-SSNG-B-20

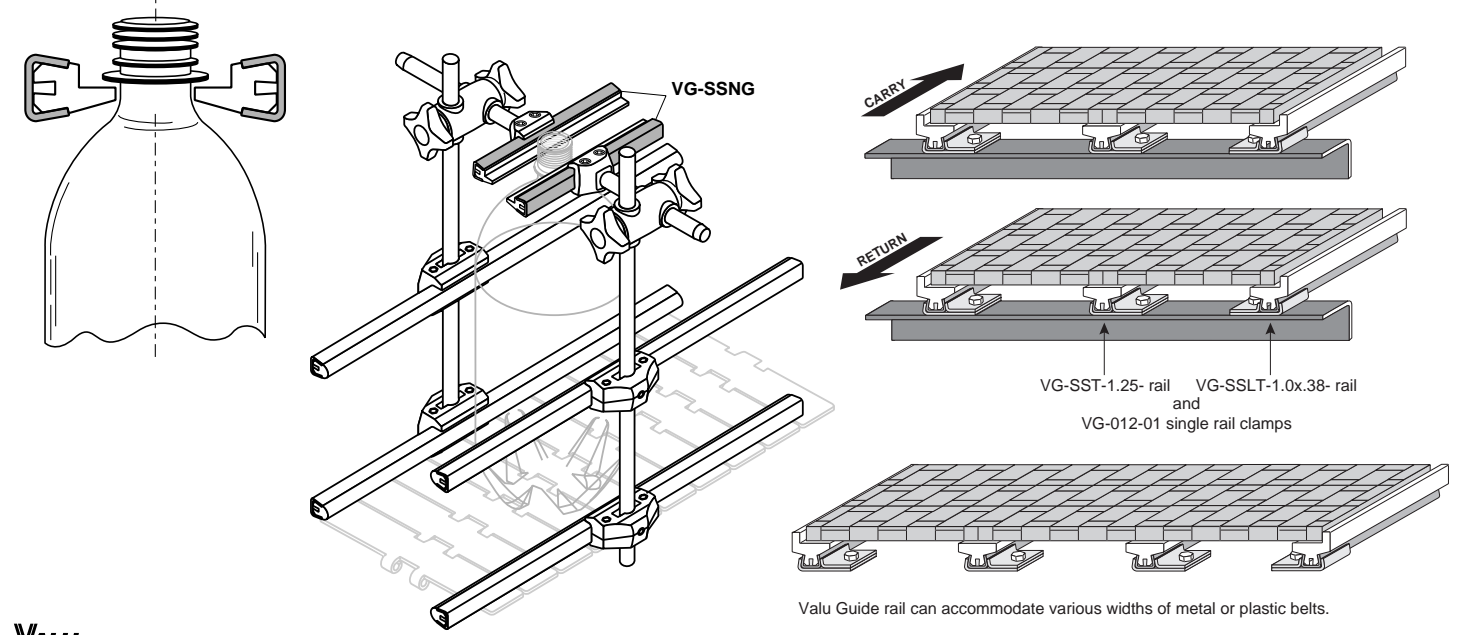
VG-SSNG-SD-8	8
VG-SSNG-SD-10	10
VG-SSNG-SD-12	12
VG-SSNG-SD-20	20

VG-SSTG-02-NS-8
VG-SSTG-02-NS-10
VG-SSTG-02-NS-12
VG-SSTG-02-NS-20

VG-SSTG-02-B-8
VG-SSTG-02-B-10
VG-SSTG-02-B-12
VG-SSTG-02-B-20

VG-SSTG-02-SD-8	8
VG-SSTG-02-SD-10	10
VG-SSTG-02-SD-12	12
VG-SSTG-02-SD-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order. UV stabilized UHMW and 316 stainless steel are available on a special order basis.



Valu Guide rail can accommodate various widths of metal or plastic belts.



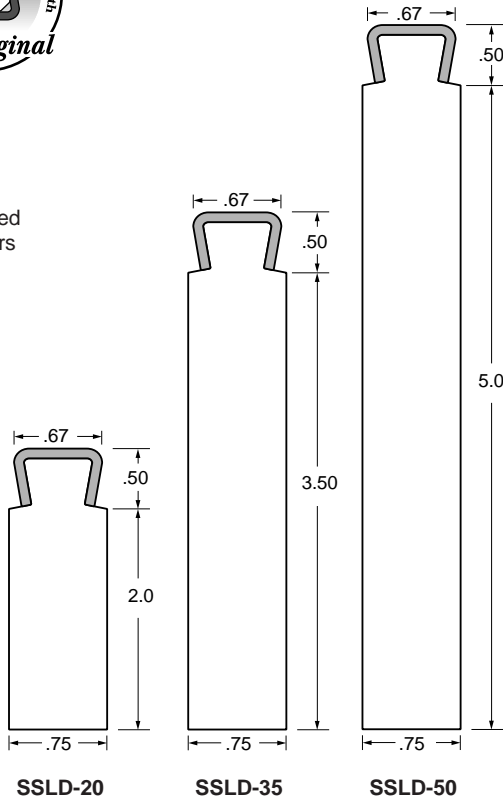
# Lane Dividers

Guide Rails & Hardware

## LD

### Lane Divider

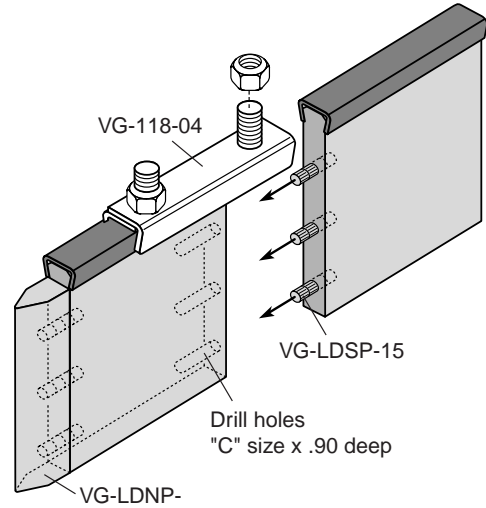
Lane dividers are used to separate containers on a conveyor into multiple lanes.



**Material:** Sheath is 304 stainless steel, 14 gauge. Insert is UHMW.

Part Number	Length* (ft.)
VG-SSLD-20-5	5
VG-SSLD-20-10	10
VG-SSLD-35-5	5
VG-SSLD-35-10	10
VG-SSLD-50-5	5
VG-SSLD-50-10	10

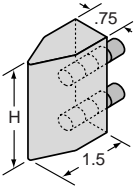
\*Other lengths can be cut to order.



## LDNP

### Nose Flow

For LD dividers.  
Pins included.

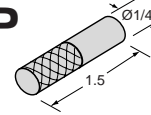


**Material:** UHMW, SS pins.

Part Number	H(in.)	Pins
VG-LDNP-20	2	2
VG-LDNP-35	3½	3
VG-LDNP-50	5	3

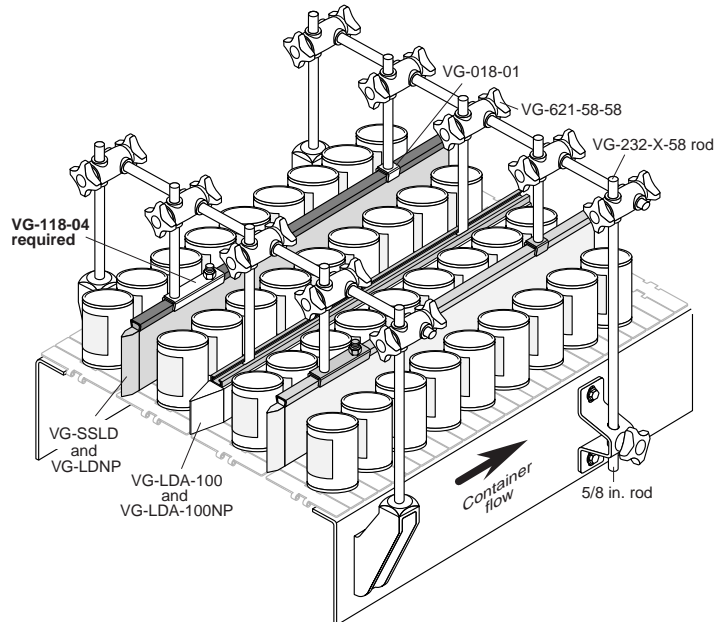
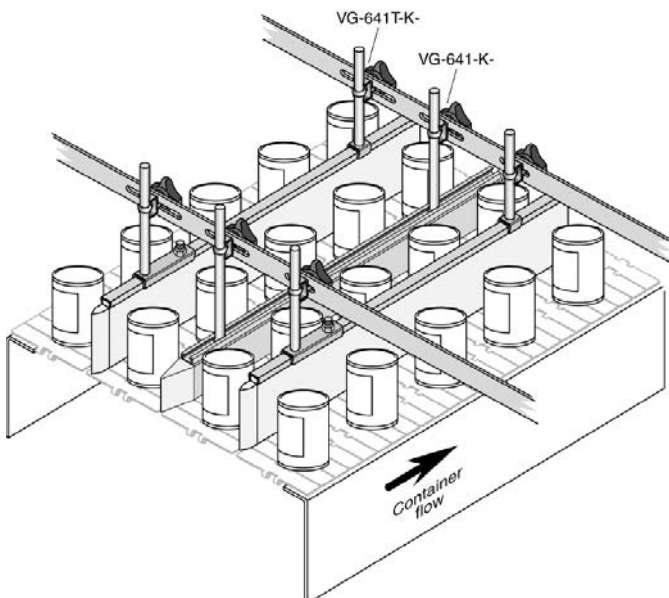
## LDSP

### Splicing Pins



**Material:** Stainless steel.

Part Number	Length (in.)
VG-LDSP-15	1½



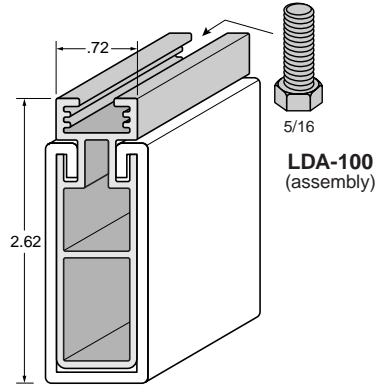
# Lane Dividers



Guide Rails & Hardware

## LDA-100

**Lane Divider**  
Bendable to 40" radius.



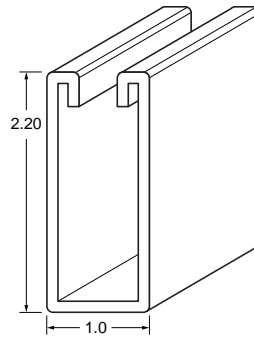
**Material:** Aluminum.

Part Number	Length (ft.)
<b>VG-LDA-100-10</b>	<b>10</b>
<b>VG-LDA-100-20</b>	<b>20</b>

## LDP

**UHMW Cover**  
Replacement for VG-LDA-100 assembly.

**LDP**  
(UHMW replacement)

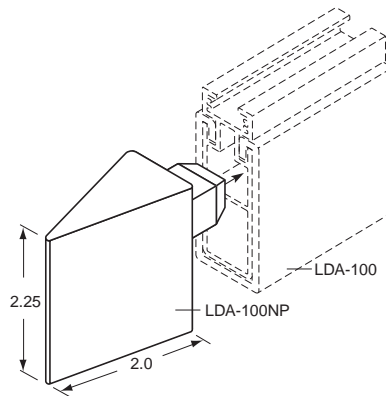


**Material:** UHMW.

Part Number	Length (ft.)
<b>VG-LDP-100-10</b>	<b>10</b>
<b>VG-LDP-100-20</b>	<b>20</b>

## LDA-100NP

**Nose Plow**  
For LDA dividers.



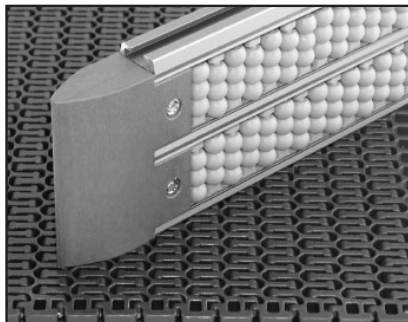
**Material:** UHMW.

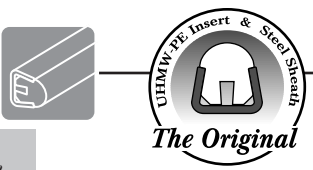
Part Number	Length (ft.)
<b>VG-LDA-100NP</b>	

### 2-Sided

Bead or Roller Guides

For additional lane dividing options, see [page 46](#) for SpeedRail™ and SpeedRoll™ in straights or curves.





## Chain Guide Rail

These chain guide rail shapes are also shown with roller chain guides on [page 170](#).

**Material:** Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is UHMW.

Steel Sheath		Length (ft.)
Stainless	Galvanized	
VG-SSCG-#40-8	VG-GSCG-#40-8	8
VG-SSCG-#40-10	VG-GSCG-#40-10	10
VG-SSCG-#40-12	VG-GSCG-#40-12	12
VG-SSCG-#40-20	VG-GSCG-#40-20	20

VG-SSCG-#50-8	VG-GSCG-#50-8	8
VG-SSCG-#50-10	VG-GSCG-#50-10	10
VG-SSCG-#50-12	VG-GSCG-#50-12	12
VG-SSCG-#50-20	VG-GSCG-#50-20	20

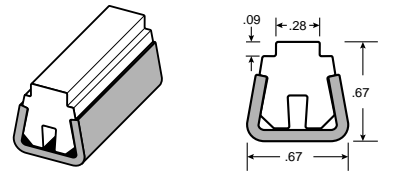
VG-SSF-8	VG-GSF-8	8
VG-SSF-10	VG-GSF-10	10
VG-SSF-12	VG-GSF-12	12
VG-SSF-20	VG-GSF-20	20

VG-SSCG-#80-8	VG-GSCG-#80-8	8
VG-SSCG-#80-10	VG-GSCG-#80-10	10
VG-SSCG-#80-12	VG-GSCG-#80-12	12
VG-SSCG-#80-20	VG-GSCG-#80-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order.

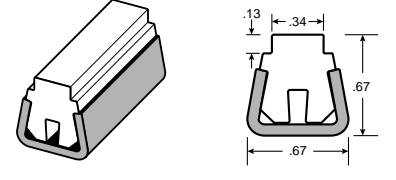
### #40

**Chain Guide**  
Wear strip and guide for #40 ANSI single roller chains.



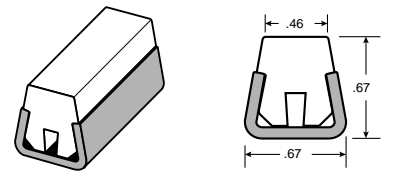
### #50

**Chain Guide**  
Wear strip and guide for #50 ANSI single roller chains.



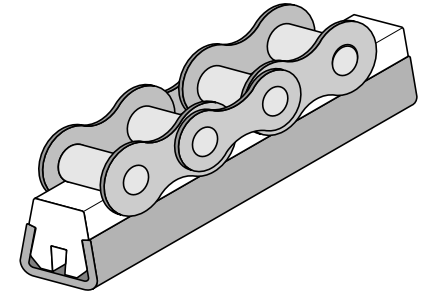
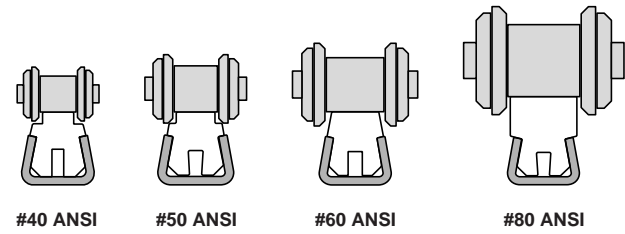
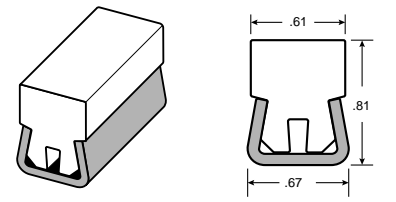
### #60

**Chain Guide**  
Wear strip and guide for #60 ANSI single roller chains. Can also be used as side rail or wear strip when a wider surface contact is required.



### #80

**Chain Guide**  
Wear strip and guide for #80 ANSI single roller chains.



See pages  
**170-171**  
for more roller  
chain guides!

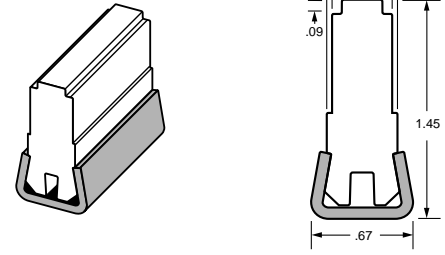
## Extended Chain Guide Rail



Use where increased height is needed for extended side bar attachments. These chain guide rail shapes are also shown with roller chain guides on [page 170](#).

### #40

**Extended Chain Guide**  
Wear strip and guide for #40 ANSI single roller chains.

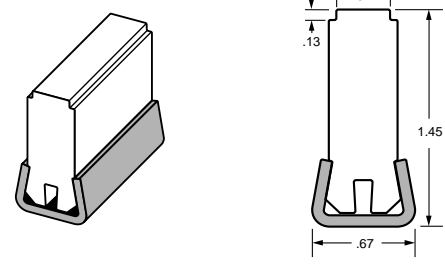


**Material:** Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is UHMW.

Steel Sheath		Length (ft.)
Stainless	Galvanized	
VG-SSECG-#40-8	VG-GSECG-#40-8	8
VG-SSECG-#40-10	VG-GSECG-#40-10	10
VG-SSECG-#40-12	VG-GSECG-#40-12	12
VG-SSECG-#40-20	VG-GSECG-#40-20	20

### #50

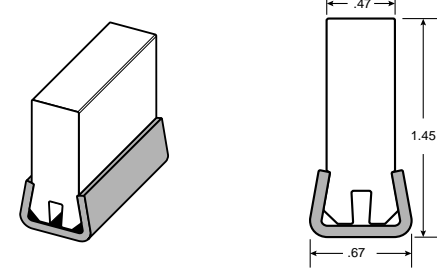
**Extended Chain Guide**  
Wear strip and guide for #50 ANSI single roller chains.



VG-SSECG-#50-8	VG-GSECG-#50-8	8
VG-SSECG-#50-10	VG-GSECG-#50-10	10
VG-SSECG-#50-12	VG-GSECG-#50-12	12
VG-SSECG-#50-20	VG-GSECG-#50-20	20

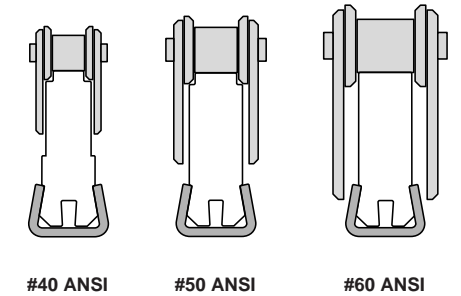
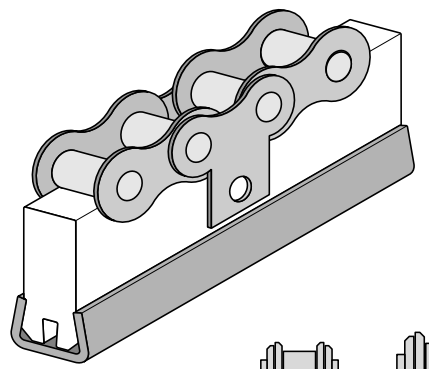
### #60

**Extended Chain Guide**  
Wear strip and guide for #60 ANSI single roller chains.



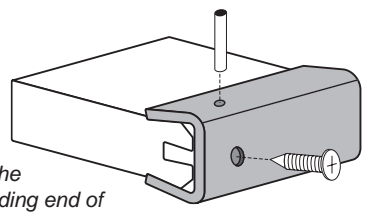
VG-SSECG-#60-8	VG-GSECG-#60-8	8
VG-SSECG-#60-10	VG-GSECG-#60-10	10
VG-SSECG-#60-12	VG-GSECG-#60-12	12
VG-SSECG-#60-20	VG-GSECG-#60-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order.



**Important Note:**

When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.



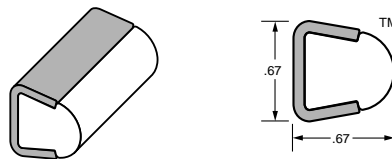
## Solid Guide Rail

Since the original introduction of Valu Guide rail in 1981, we have been asked on occasion to provide profiles in which the UHMW insert completely fills the stainless steel sheath. For those special circumstances we carry a selection of guide rails with solid inserts.

### RS

#### Round Solid Rail

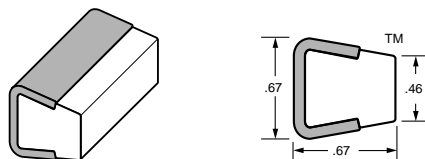
General purpose side rail for minimum container contact.



### FS

#### Flat Solid Rail

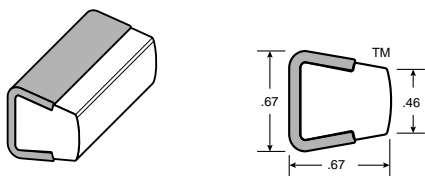
Side rail or wear strip. Can also be used as a chain guide for #60 roller chain.



### MS

#### Modified Solid Rail

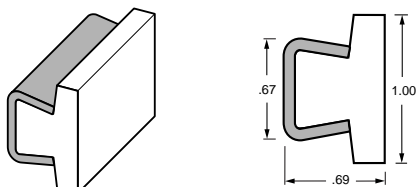
Where minimum contact is desired in order to prevent damage during higher side loading conditions.



### WFS

#### Wide Flat Solid Rail

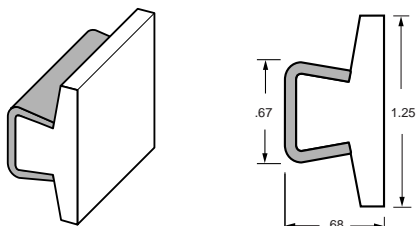
Side rail or wear strip. Can be used in combination with the above rails when a greater contact area is required.



### WFS-1.25

#### Wide Flat Solid Rail

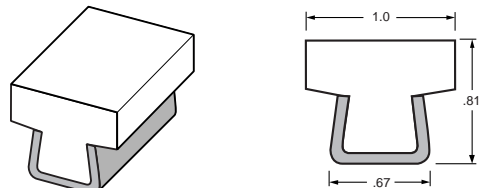
Side rail or wear strip. Can be used in combination with the above rails when a greater contact area is required.



### TS-1.00

#### Tee Solid Rail

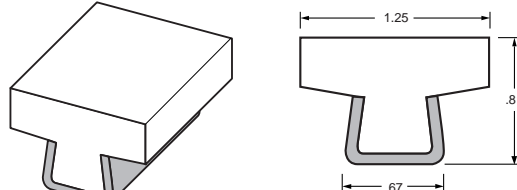
Can be used as a side rail or as a wear strip.



### TS-1.25

#### Tee Solid Rail

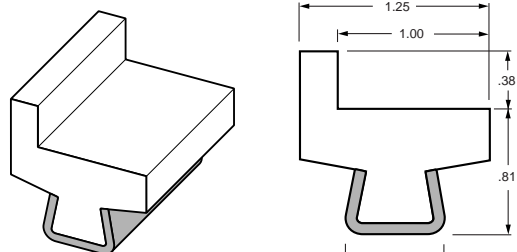
Can be used as a side rail or as a wear strip.



### LTS

#### EII Tee Solid Rail

Wear strip and side guide for modular wide belts. Provides positive edge tracking and a low friction, abrasion resistant support.



### Natural White UHMW

**Material:** UHMW Insert and stainless steel sheath, 14 gauge.

	Length* (ft.)
VG-SSRS-8	8
VG-SSRS-10	10
VG-SSRS-12	12
VG-SSRS-20	20

VG-SSFS-8	8
VG-SSFS-10	10
VG-SSFS-12	12
VG-SSFS-20	20

VG-SSMS-8	8
VG-SSMS-10	10
VG-SSMS-12	12
VG-SSMS-20	20

VG-SSWFS-8	8
VG-SSWFS-10	10
VG-SSWFS-12	12
VG-SSWFS-20	20

VG-SSWFS-1.25-8	8
VG-SSWFS-1.25-10	10
VG-SSWFS-1.25-12	12
VG-SSWFS-1.25-20	20

VG-SSTS-1.00-8	8
VG-SSTS-1.00-10	10
VG-SSTS-1.00-12	12
VG-SSTS-1.00-20	20

VG-SSTS-1.25-8	8
VG-SSTS-1.25-10	10
VG-SSTS-1.25-12	12
VG-SSTS-1.25-20	20

VG-SSLTS-1.0x.38-8	8
VG-SSLTS-1.0x.38-10	10
VG-SSLTS-1.0x.38-12	12
VG-SSLTS-1.0x.38-20	20



### Gray Nolu-S

**Material:** Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

#### VG-SSRS-NS-8

#### VG-SSRS-NS-10

#### VG-SSRS-NS-12

#### VG-SSRS-NS-20

#### VG-SSFS-NS-8

#### VG-SSFS-NS-10

#### VG-SSFS-NS-12

#### VG-SSFS-NS-20

#### VG-SSMS-NS-8

#### VG-SSMS-NS-10

#### VG-SSMS-NS-12

#### VG-SSMS-NS-20

#### VG-SSWFS-NS-8

#### VG-SSWFS-NS-10

#### VG-SSWFS-NS-12

#### VG-SSWFS-NS-20

#### VG-SSWFS-1.25-NS-8

#### VG-SSWFS-1.25-NS-10

#### VG-SSWFS-1.25-NS-12

#### VG-SSWFS-1.25-NS-20

#### VG-SSTS-1.00-NS-8

#### VG-SSTS-1.00-NS-10

#### VG-SSTS-1.00-NS-12

#### VG-SSTS-1.00-NS-20

#### VG-SSTS-1.25-NS-8

#### VG-SSTS-1.25-NS-10

#### VG-SSTS-1.25-NS-12

#### VG-SSTS-1.25-NS-20

#### VG-SSLTS-1.0x.38-NS-8

#### VG-SSLTS-1.0x.38-NS-10

#### VG-SSLTS-1.0x.38-NS-12

#### VG-SSLTS-1.0x.38-NS-20

## Solid Guide Rail with Premium UHMW Materials



### Static Dissipating (black)

**Material:** Static dissipating (black) UHMW insert and stainless steel sheath, 14 gauge.

#### VG-SSRS-SD-8

#### VG-SSRS-SD-10

#### VG-SSRS-SD-12

#### VG-SSRS-SD-20

#### VG-SSFS-SD-8

#### VG-SSFS-SD-10

#### VG-SSFS-SD-12

#### VG-SSFS-SD-20

#### VG-SSMS-SD-8

#### VG-SSMS-SD-10

#### VG-SSMS-SD-12

#### VG-SSMS-SD-20

#### VG-SSWFS-SD-8

#### VG-SSWFS-SD-10

#### VG-SSWFS-SD-12

#### VG-SSWFS-SD-20

#### VG-SSWFS-1.25-SD-8

#### VG-SSWFS-1.25-SD-10

#### VG-SSWFS-1.25-SD-12

#### VG-SSWFS-1.25-SD-20

#### VG-SSTS-1.00-SD-8

#### VG-SSTS-1.00-SD-10

#### VG-SSTS-1.00-SD-12

#### VG-SSTS-1.00-SD-20

#### VG-SSTS-1.25-SD-8

#### VG-SSTS-1.25-SD-10

#### VG-SSTS-1.25-SD-12

#### VG-SSTS-1.25-SD-20

#### VG-SSLTS-1.0x.38-SD-8

#### VG-SSLTS-1.0x.38-SD-10

#### VG-SSLTS-1.0x.38-SD-12

#### VG-SSLTS-1.0x.38-SD-20

\*4, 5 and 6 ft. lengths are also available.

Other lengths can be cut to order.

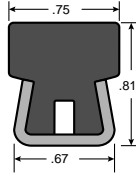
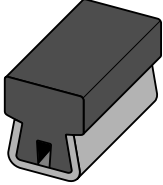
UV stabilized UHMW and 316 stainless steel are available on a special order basis.

# Nylatron Tee Guide Rail

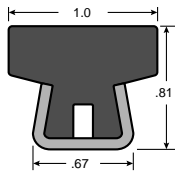
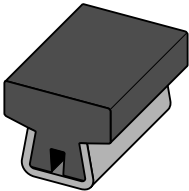


For applications such as high conveyor speeds, heavy loads or abrasive conditions, selected Tee rails are available in **Nylatron** material. **Nylatron** is a harder, stronger, higher temperature rated (up to 200°F) material for harsh conveying conditions.

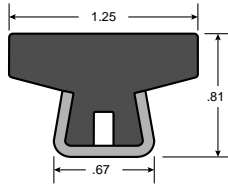
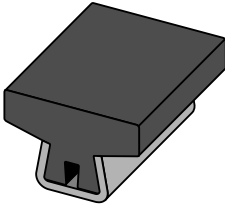
**Material:** Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is Nylatron.



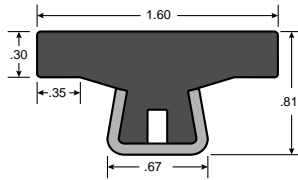
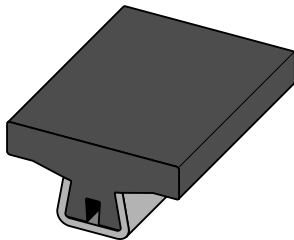
Steel Sheath		Length (ft.)
Stainless	Galvanized	
<b>VG-SST-N-.75-10</b>	<b>VG-GST-N-.75-10</b>	<b>10</b>



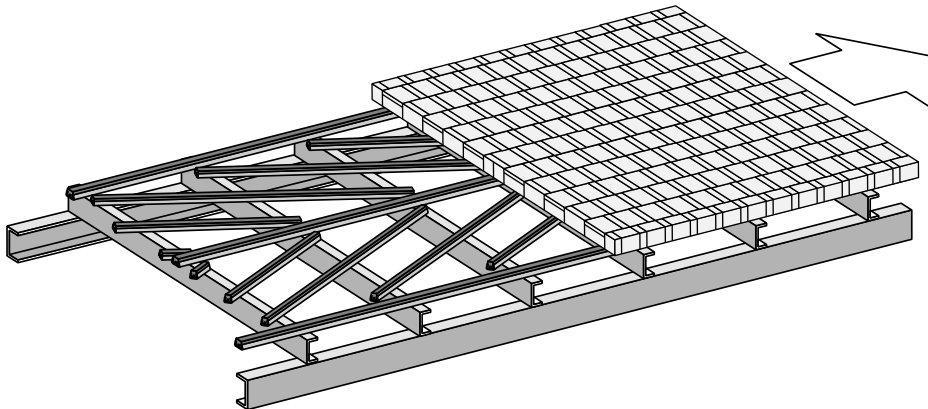
<b>VG-SST-N-1.00-10</b>	<b>VG-GST-N-1.00-10</b>	<b>10</b>
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<b>VG-SST-N-1.25-10</b>	<b>VG-GST-N-1.25-10</b>	<b>10</b>
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<b>VG-SST-N-1.60-10</b>	<b>VG-GST-N-1.60-10</b>	<b>10</b>
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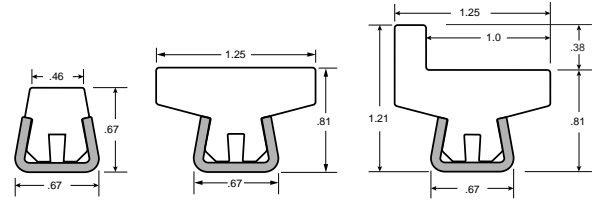
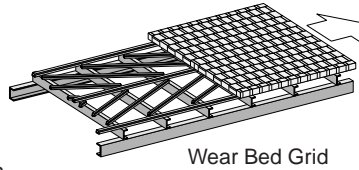


## Valu Guide as a wear strip?

**YES!** Many companies are using Valu Guide rail as wear strips under their conveyor belts (read important note below for installation requirements). They have found that it is an excellent complement to virtually all plastic and metal belting for manufacturers such as Rexnord, Intralox, KVP, Ashworth and Cambridge. For additional conveyor chain guiding options, see section starting on [page 130](#).

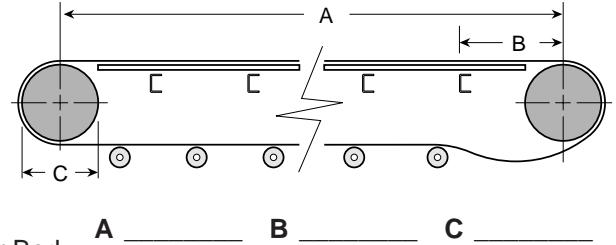
The **advantages** of using Valu Guide are:

- Reduced drag
  - Longer service life
  - Added structural support
  - Simple fabrication, easy installation
  - Elimination of thermal expansion problems
  - Even distribution of wear and load over width of belt
  - Improved sanitation - eliminates buildup between wear strip and support
- Styles to fit most any application - Flat, Modified, L-Tee, Tee (.75, 1.00, 1.25, 1.60, 2.25)



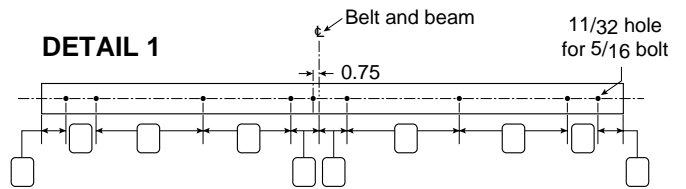
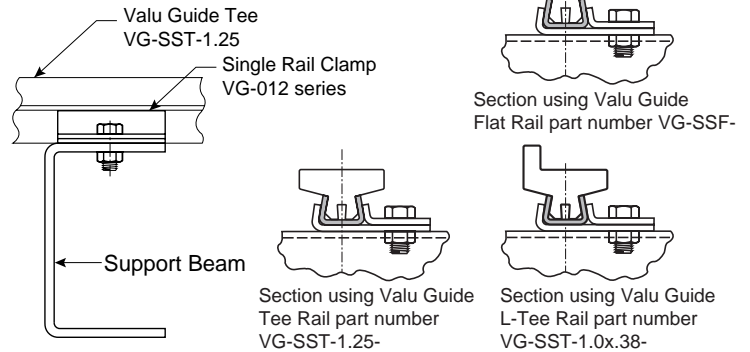
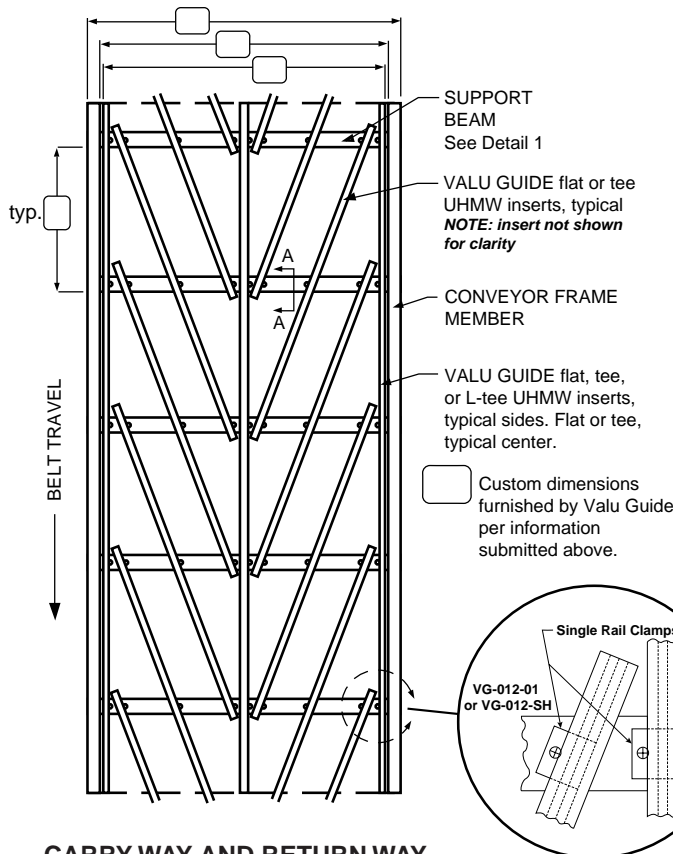
**Flat, Tee, and L-Tee Profiles**

1. Type of belting \_\_\_\_\_
2. Weight of belting (pounds per square foot) \_\_\_\_\_
3. Top load (product weight per square foot) \_\_\_\_\_
4. Conveyor width \_\_\_\_\_
5. Belt speed (feet per minute) \_\_\_\_\_
6. Operating Temperature \_\_\_\_\_
7. What type of return is planned?  Rollers (see pg. 175)  Wear Bed
8. Is this wear bed a:  New design  
 Replacement (Type: \_\_\_\_\_)



**FAX THIS INFORMATION FOR YOUR CUSTOM DESIGN**  
FAX (866) 447-6587

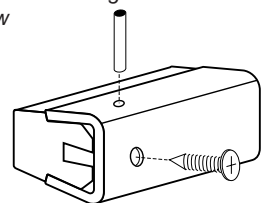
## Typical carry and return way wear strip configuration for wide plastic or metal belting utilizing Valu Guide Rail.



### CARRY WAY AND RETURN WAY WEAR BED GRID CUSTOM DESIGN SUPPORT

You can receive a custom preliminary design drawing, like the one above, for your specific carry way and return way application(s) by submitting the above information.

**Important Note:**  
When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.





## Static Dissipative Rail reduces static buildup and discharge.

Plastic packaging and PET bottles can generate high levels of static buildup as they travel along a conveyor. Static Dissipative Rail is more conductive than natural UHMW and provides static buildup with a pathway to the surrounding conveyor frame where it can dissipate. Conveyor frames may need to be grounded. Valu Guide's special formulation retains the low friction and wear characteristics of UHMW while effectively reducing problems caused by static such as shocks or containers sticking together.

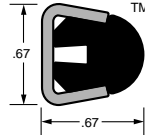
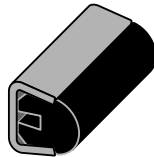
Protect personnel, sensitive products or electrical components with Valu Guide's proprietary static dissipating guide rail material.

**Material:** Sheath is 304 stainless steel, 14 gauge. Insert is static dissipative UHMW.

### R-SD

#### Round Static Dissipative

Reduces static buildup and discharge. Side rail for minimum container contact.



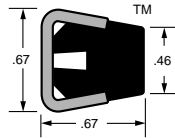
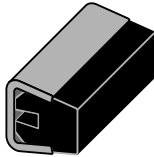
Length (ft.)

<b>VG-SSR-SD-8</b>	<b>8</b>
<b>VG-SSR-SD-10</b>	<b>10</b>
<b>VG-SSR-SD-12</b>	<b>12</b>
<b>VG-SSR-SD-20</b>	<b>20</b>

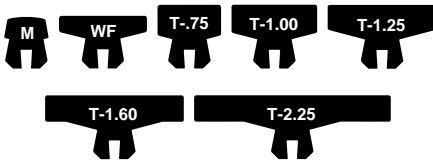
### F-SD

#### Flat Static Dissipative

Reduces static buildup and discharge. Side rail or wear strip when a wider surface contact is required. Can also be used as a chain guide for #60 roller chain.

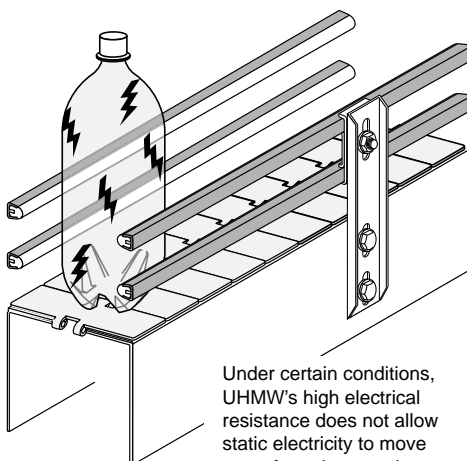
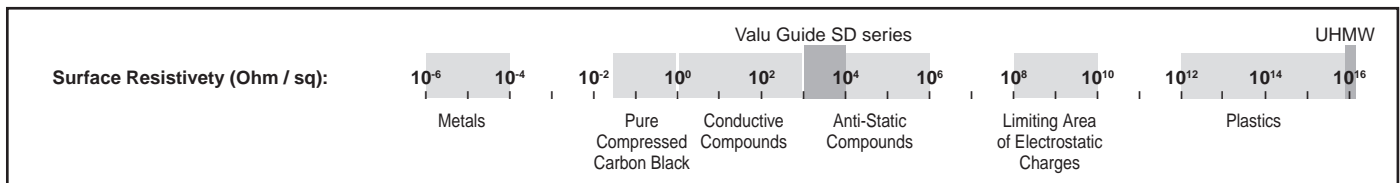


<b>VG-SSF-SD-8</b>	<b>8</b>
<b>VG-SSF-SD-10</b>	<b>10</b>
<b>VG-SSF-SD-12</b>	<b>12</b>
<b>VG-SSF-SD-20</b>	<b>20</b>

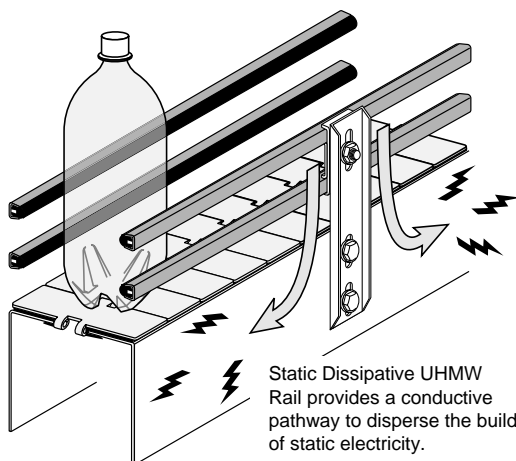


The Round and Flat rails shown above are representative of the full line of static dissipating guide rails available from Valu Guide.

All other profile shapes featured in this catalog can be produced as static dissipative.



Under certain conditions, UHMW's high electrical resistance does not allow static electricity to move away from the container, resulting in static build-up.



Static Dissipative UHMW Rail provides a conductive pathway to disperse the buildup of static electricity.

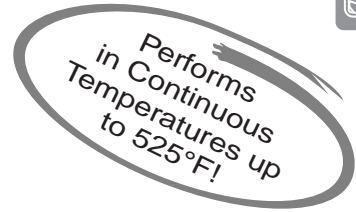
# Specialty Guide Rail



Guide Rails & Hardware



**Hi-Temp Rail for use where increased operating temperatures exist.**



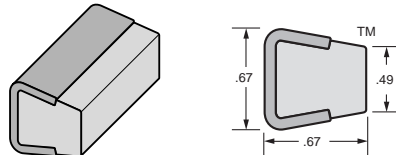
- For use in:**
- ✓ Steam Chambers
  - ✓ Ovens
  - ✓ Cookers
  - ✓ Hot Fill Area
- ✓ Shrink Tunnels
  - ✓ Furnace Discharge
  - ✓ Retorts
  - ✓ Fryers
- ✓ Pasteurizers
  - ✓ Steam Boxes

**Material:** Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is PTFE hi-temp material.

## F-HT

### Hi-Temp Flat

Where increased temperatures exist, use as side rail or wear strip when a wide surface contact is required. Can also be used as a chain guide for #60 roller chain.

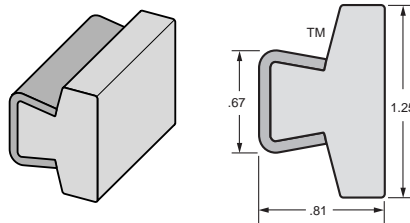


Steel Sheath		Length (ft.)
Stainless	Galvanized	
VG-SSF-HT-4	VG-GSF-HT-4	4
VG-SSF-HT-5	VG-GSF-HT-5	5
VG-SSF-HT-8	VG-GSF-HT-8	8
VG-SSF-HT-10	VG-GSF-HT-10	10

## T-HT

### Hi-Temp Tee

Where increased temperatures exist, use as wear strip for wide metal or plastic belting and slat top chain. Also used as side rail when a larger container contact area is required.

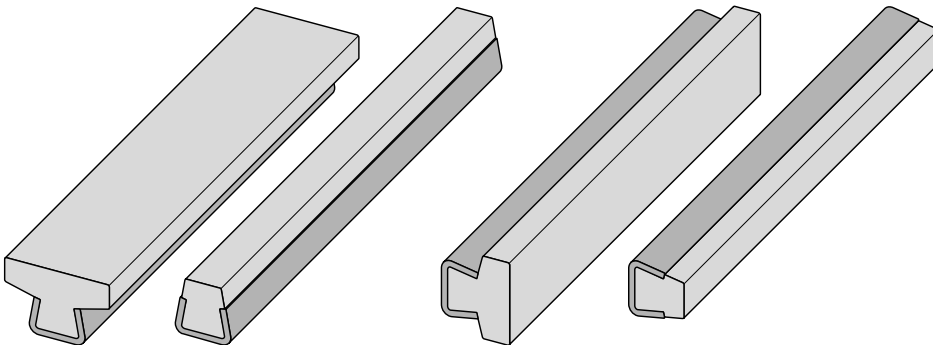


VG-SST-HT-1.25-4	VG-GST-HT-1.25-4	4
VG-SST-HT-1.25-5	VG-GST-HT-1.25-5	5
VG-SST-HT-1.25-8	VG-GST-HT-1.25-8	8
VG-SST-HT-1.25-10	VG-GST-HT-1.25-10	10

Narrower tee dimensions are available. Please contact customer service for special requirements.

The minimum bending radius for Hi-Temp Tee turn applications is 6 inches.

Specifications	Hi-Temp Material	Steel Sheath
<b>Tensile Strength</b> (ASTM D-638 (psi))	1500-3000	70,000
<b>Deformation Under Load</b> (ASTM D-621 (%))	3.8	---
<b>Coef. of Thermal Expansion</b> (ASTM D-696 in/in/°F x 10 <sup>-5</sup> )	5.5 x 10 <sup>-5</sup>	.96
<b>Coef. of Friction</b>	.04	---
<b>Continuous Service Temperature</b>	-100° min., 525°F (max)	---

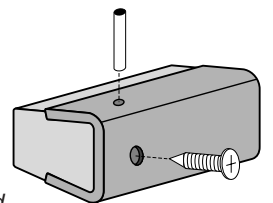


Use as wear strips for plastic or steel belting.

Use as side guides for glass and metal containers.

#### Important Note:

When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.





# PolyGlide™

Guide rail for use with plastics such as PET and polypropylene.

PolyGlide™ rail is designed to be an economical solution to guiding plastic containers, cartons, and conveyor belting. PolyGlide™ is constructed using 304 stainless steel as the guide contact surface and can be used with all standard Valu Guide rail clips and clamps.



**PolyGlide reduces static buildup.**  
Plastic packaging and PET bottles can generate high levels of static buildup as they travel along a conveyor. PolyGlide provides static buildup with a pathway to the surrounding conveyor frame where it can dissipate. Conveyor frames may need to be grounded.

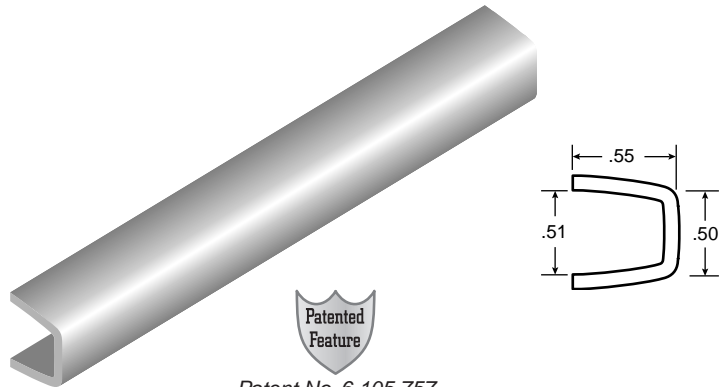


**PolyGlide can be used in higher operating temperatures.**  
PolyGlide can withstand harsh environments such as:

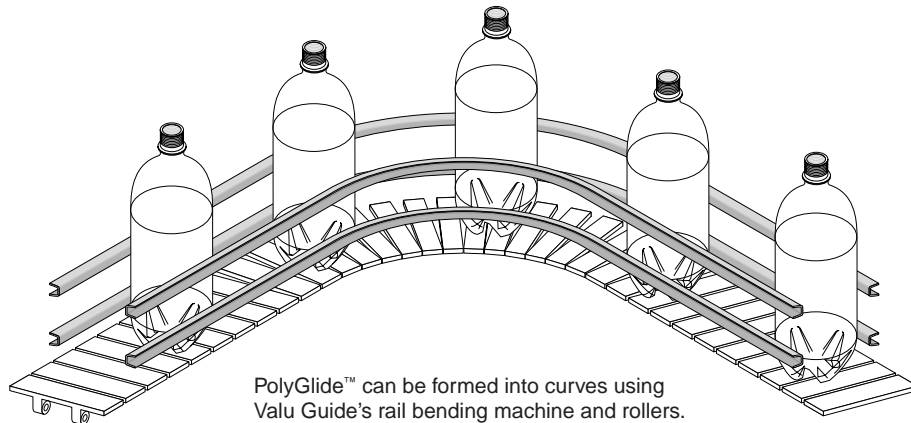
- Steam Chambers
- Shrink Tunnels
- Ovens
- Furnace Discharge
- Pasteurizers
- Cookers
- Steam Boxes
- Hot Fill Area
- Fryers

Material: 304 stainless steel, 14 gauge.

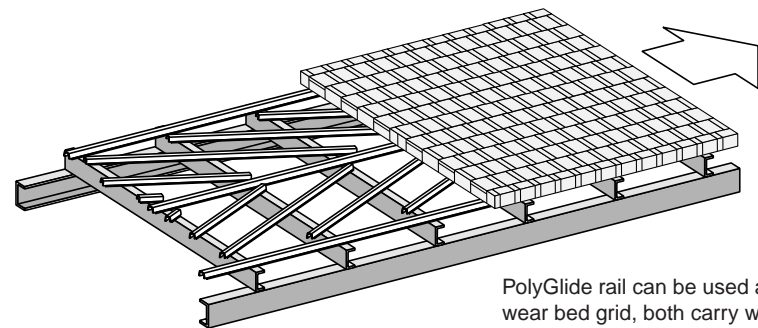
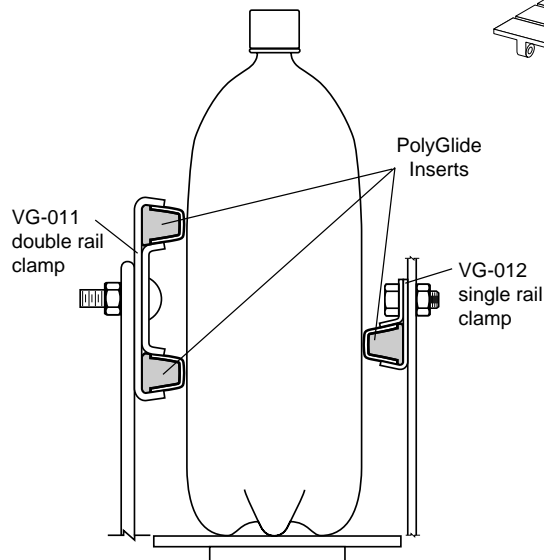
Part Number	Length (ft.)
VG-SPM-4	4
VG-SPM-5	5
VG-SPM-6	6
VG-SPM-8	8
VG-SPM-10	10
VG-SPM-12	12
VG-SPM-20	20



Patent No. 6,105,757



PolyGlide™ can be formed into curves using Valu Guide's rail bending machine and rollers.

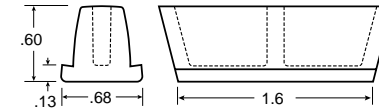
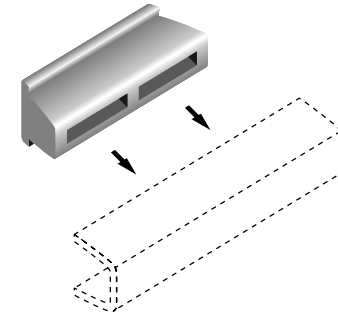


PolyGlide rail can be used as a wear bed grid, both carry way and return way, for plastic belting.

## PMI-25

### Plastic Insert

Used with PolyGlide rail in conjunction with Valu Guide clips and clamps. Temperature range: -40°F to 140°F. For higher or lower temperatures, use stainless steel insert part number VG-PMI-30.



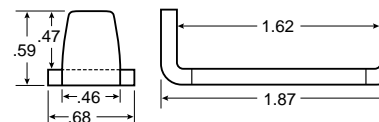
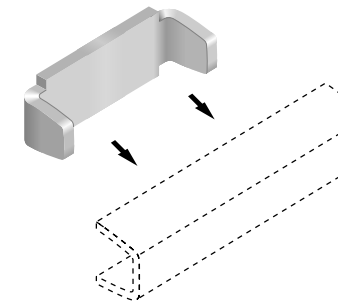
Material: Santoprene plastic.

Part Number  
**VG-PMI-25**

## PMI-30

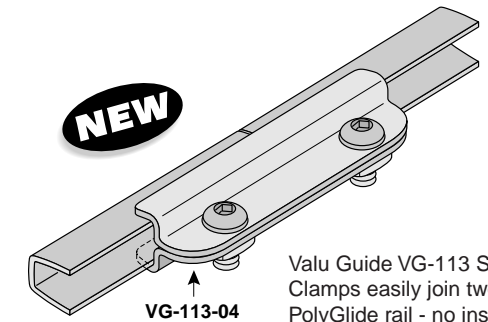
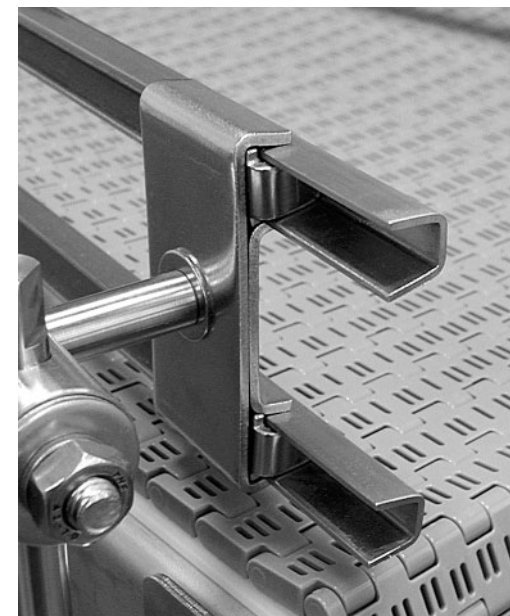
### Stainless Steel Insert

Used with PolyGlide rail in conjunction with Valu Guide clips and clamps in harsh environments such as extreme temperatures or corrosive areas.



Material: 304 stainless steel.

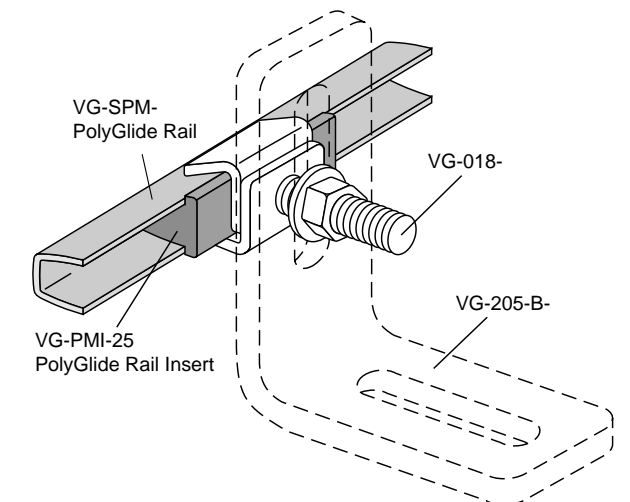
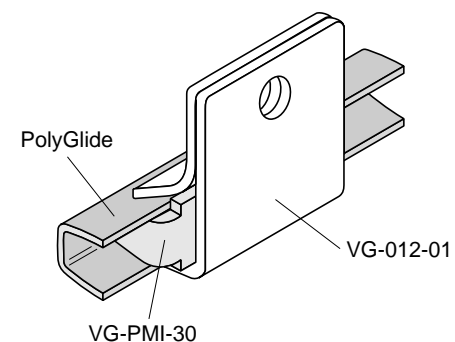
Part Number  
**VG-PMI-30**



**NEW**

Valu Guide VG-113 Series Splice Clamps easily join two pieces of PolyGlide rail - no insert is required.

Patented Feature Patent No. 6,053,654



## Guide Rail Bender

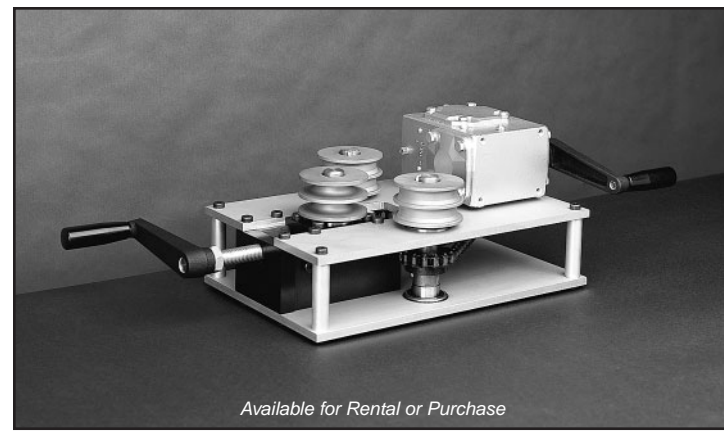
Bend steel or aluminum rails, individually or in pairs, into inside or outside curves with professional results.

### Valu Guide Bender

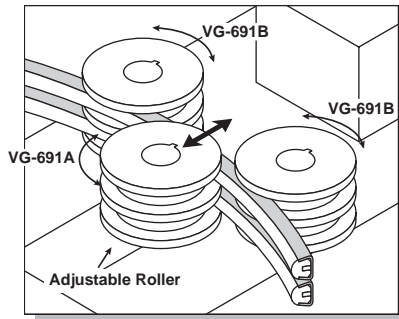
Solus has developed, and makes available for purchase or rental, a light weight rail bending machine. The machine is portable and can easily be carried by one person to either the job site or the work area. The simplicity of operation will quickly produce professional results. Hand bending techniques cannot match the speed, accuracy and quality of curves made with the bending machine.

Each bender is supplied with rollers (roller set part number **VG-RS-01**) to bend Valu Guide round, flat, modified and Tee-rails. Additional rollers for bending additional rail styles supplied by Valu Guide are also available. In the event you're not satisfied with your bend, the bender can be used to straighten the pieces for re-bending.

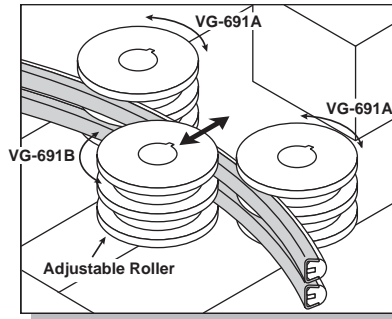
The Valu Guide bender is supplied complete with two VG-691A rollers, two VG-691B rollers, and two VG-692 rollers. Shipping weight is 56 lbs. Detailed instructions are furnished with each machine.



#### Outside Curve



#### Inside Curve

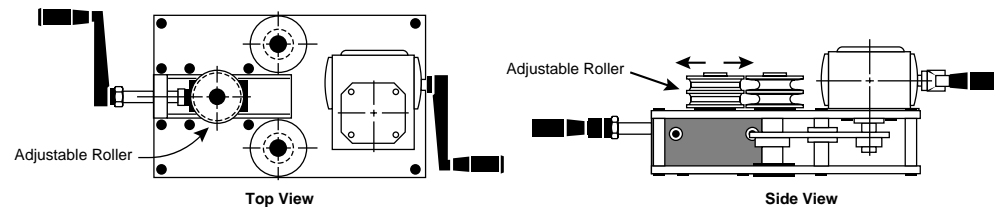


## VG-690

### Rail Bender

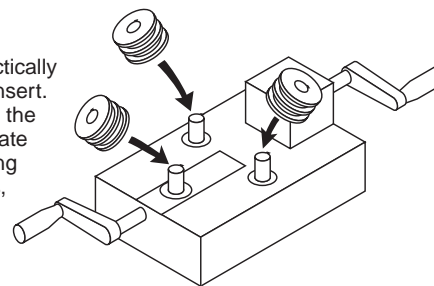
Supplied with part number **VG-RS-01** which includes two VG-691A rollers, two VG-691B rollers, and two VG-692 rollers.

Part Number  
**VG-690** Includes VG-RS-01 roller set



### Valu Guide Bender Rollers

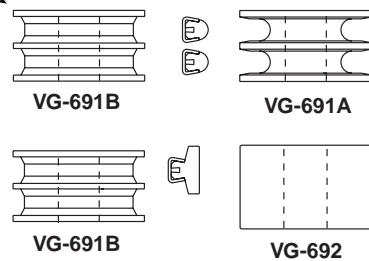
Valu Guide rails can be quickly and easily formed to practically any radius without distortion of the rail or damage to the insert. This is achieved by the use of the contoured rollers on the VG-690 bending machine. The contoured rollers manipulate the sheath during the bending of the radius while protecting the insert from damage. Large and small radius turns, including offsets, can be produced. The quality and appearance of the guide rail turn meets or exceeds the highest industry standards.



Individual rollers in any set can also be ordered individually!

## RS-01

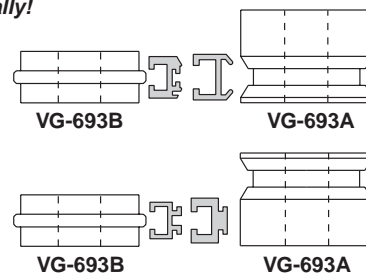
Roller Set Part Number  
**VG-RS-01**  
Included in set: **VG-691A** (2 ea.)  
**VG-691B** (2 ea.)  
**VG-692** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>Valu Guide round, flat, modified and neck guide profiles</b> Minimum radius: 3 in.	VG-691A	VG-691B	VG-691B	VG-691A
<b>Valu Guide tee profiles</b> Minimum radius: 4 in.	VG-692	VG-691B	VG-691B	VG-692

## RS-02

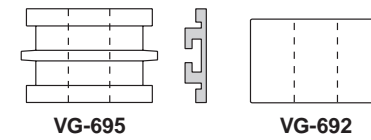
Roller Set Part Number  
**VG-RS-02**  
Included in set: **VG-693A** (2 ea.)  
**VG-693B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-A350, VG-A500</b> Minimum radius: Inside curve: 6 in. Outside curve: 5 in. Rail can be bent with cover in place	VG-693A	VG-693B	VG-693B	VG-693A
<b>VG-A600, VG-A225</b> Minimum radius: Inside curve: 6 in. Outside curve: 5 in. Rail can be bent with cover in place	VG-693A	VG-693B	VG-693B	VG-693A

## RS-03

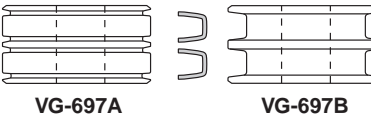
Roller Set Part Number  
**VG-RS-03**  
Included in set: **VG-692** (2 ea.)  
**VG-695** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-A2520 profile</b> Minimum radius: Inside curve: 8 in. Outside curve: 7 in. Add UHMW cover (VG-P2520BC) after bending	VG-692	VG-695	VG-695	VG-692

## RS-04

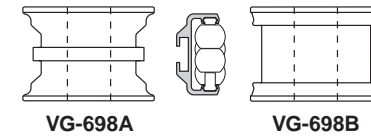
Roller Set Part Number  
**VG-RS-04**  
Included in set: **VG-697A** (2 ea.)  
**VG-697B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>Valu Guide PolyGlide rail</b> Minimum radius: 4 inches	VG-697B	VG-697A	VG-697A	VG-697B

## RS-05

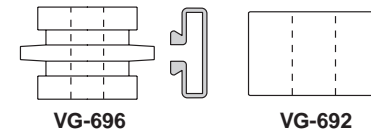
Roller Set Part Number  
**VG-RS-05**  
Included in set: **VG-698A** (2 ea.)  
**VG-698B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-686A-1.25 SpeedRail</b> Minimum radius: 12 inches	VG-698B	VG-698A	VG-698A	VG-698B

## RS-06

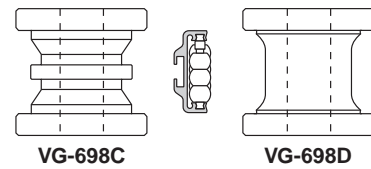
Roller Set Part Number  
**VG-RS-06**  
Included in set: **VG-692** (2 ea.)  
**VG-696** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-A5020 profile</b> Minimum radius: Inside curve: 8 in. Outside curve: 7 in. Add UHMW cover (VG-P5020BC) after bending	VG-692	VG-696	VG-696	VG-692

## RS-07

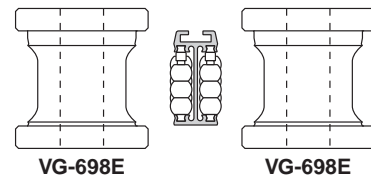
Roller Set Part Number  
**VG-RS-07**  
Included in set: **VG-698C** (2 ea.)  
**VG-698D** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-687H-1.4 SpeedRail SB</b> Minimum radius: 12 inches	VG-698D	VG-698C	VG-698C	VG-698D

## RS-08

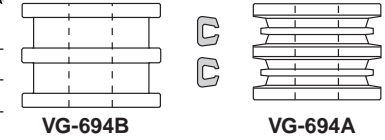
Roller Set Part Number  
**VG-RS-08**  
Included in set: **VG-698E** (3 ea.)



	Outside Curves	Inside Curves
<b>VG-687-1.4 SpeedRail SB Lane Divider</b> Minimum radius: 12 inches	VG-698E	

## RS-09

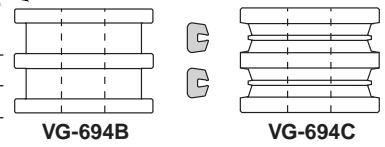
Roller Set Part Number  
**VG-RS-09**  
Included in set: **VG-694A** (2 ea.)  
**VG-694B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-ABG-profile</b> Minimum radius: 30 inches	VG-694A	VG-694B	VG-694B	VG-694A

## RS-10

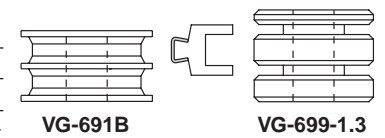
Roller Set Part Number  
**VG-RS-10**  
Included in set: **VG-694C** (2 ea.)  
**VG-694B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-ABG2-profile</b> Minimum radius: 30 inches	VG-694C	VG-694B	VG-694B	VG-694C

## RS-11

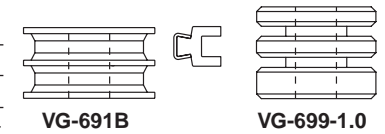
Roller Set Part Number  
**VG-RS-11**  
Included in set: **VG-699-1.3** (2 ea.)  
*VG-691B set included with bender.*



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-SSUT-1.30 Conveyor belt side guide</b> Minimum radius: 18 inches	VG-699-1.3	VG-691B	VG-691B	VG-699-1.3

## RS-12

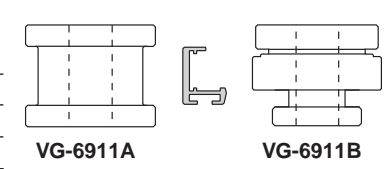
Roller Set Part Number  
**VG-RS-12**  
Included in set: **VG-699-1.0** (2 ea.)  
*VG-691B set included with bender.*



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-SSUT-1.00 Conveyor belt side guide</b> Minimum radius: 18 inches	VG-699-1.0	VG-691B	VG-691B	VG-699-1.0

## RS-13

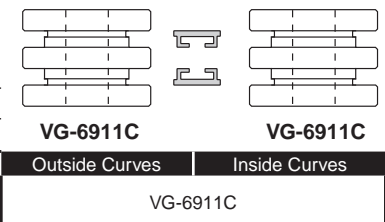
Roller Set Part Number  
**VG-RS-13**  
Included in set: **VG-6911A** (2 ea.)  
**VG-6911B** (2 ea.)



	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
<b>VG-MBG-Conveyor belt guide</b> Minimum radius: 18 inches	VG-6911B	VG-6911A	VG-6911A	VG-6911B

## RS-14

Roller Set Part Number  
**VG-RS-14**  
Included in set: **VG-6911C** (3 ea.)



	Outside Curves	Inside Curves
<b>VG-BWS-Conveyor belt support</b> Minimum radius: 22 inches	VG-6911C	

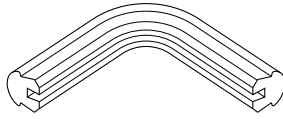
# Corner Blocks and Twist Inserts








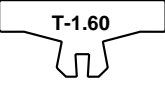
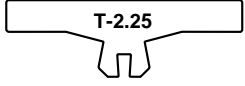
## 730

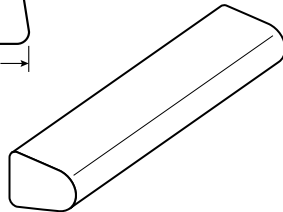
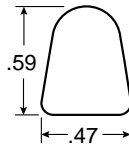
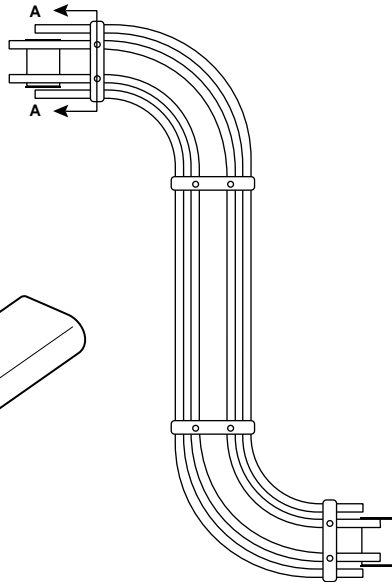
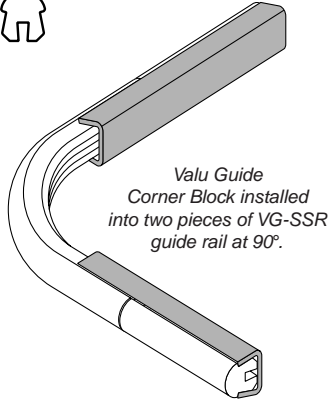
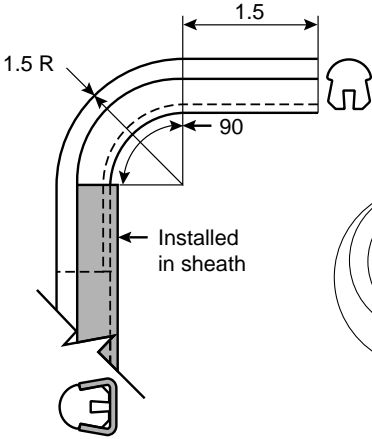
Material: UHMW.

### Corner Block Inserts

For use when the smallest corner radius is required. Most desirable when transferring at right angles on and off accumulating tables.

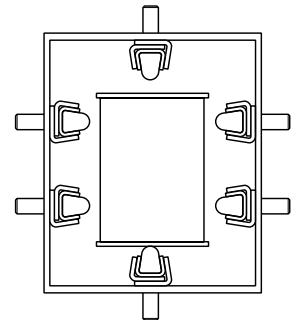


				
VG-730-01	VG-730-02	VG-730-03	VG-730-04	VG-730-05
				
VG-730-06	VG-730-07	VG-730-08	VG-730-09	



Material: UHMW.

Part Number	Length (ft.)
VG-761-10	10



Section A - A

## 761

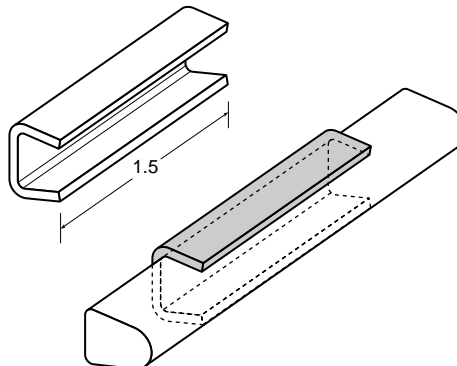
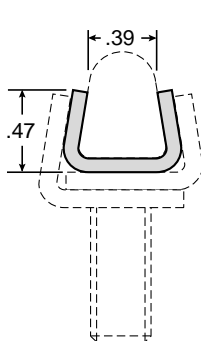
### Twist Insert

For use in container fittings as an alternative to metal rods. Twist Insert is flexible, non-marking, and noise reducing. Typically used in both straight and radiused applications, and easily adjoins to Valu Guide rail.

## 013

### Insert Sleeve

For use with Twist Inserts. Allows attachment of Valu Guide rail clips, clamps, and connectors such as VG-012, VG-014H, VG-015, VG-016 or VG-018.



Material: Stainless steel, 14 gauge.

Part Number	Length (in.)
VG-013-02	1%

# VG-012 Series Single Rail Clamps



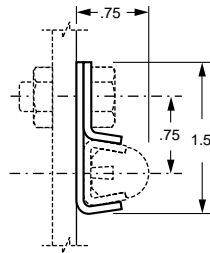
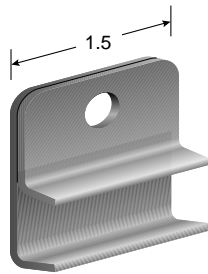
Rail Clamps support guide rail for industrial applications such as conveyor guide rail or wear beds. Available in 304 stainless steel, Rail Clamps offer heavy duty strength and corrosion resistance. For added corrosion protection, 316 stainless steel is also available.

Round hole versions accept hex bolts and square hole versions accept hex or carriage bolts (due to variations in carriage bolt head diameters, it may be necessary to put a at on the bolt head to avoid interference with the clamp).



**Material:** 304 stainless steel, 14 gauge. Part numbers ending in -316 are 316 stainless steel.

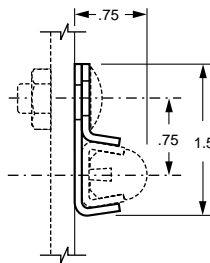
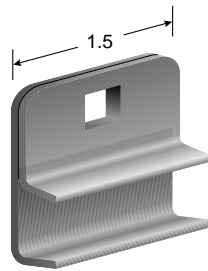
**012**  
**Single Rail Clamp**  
 Round hole, 1.5 inches wide.



Part Number	Fastener
VG-012-01	5/16 or M8
VG-012-01-316	5/16 or M8



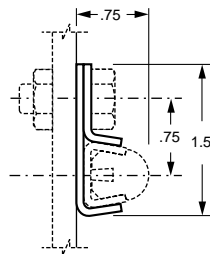
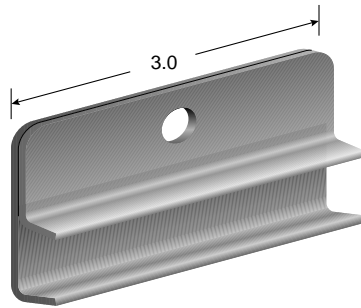
**Single Rail Clamp**  
 Square hole, 1.5 inches wide.



Part Number	Fastener
VG-012-SH	5/16 or M8
VG-012-SH-316	5/16 or M8



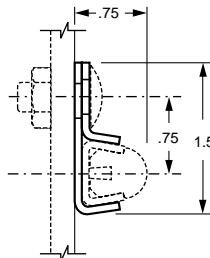
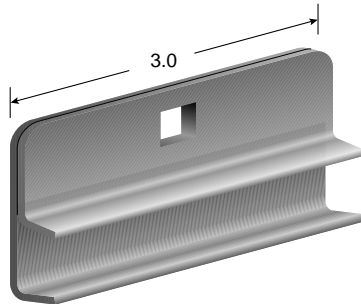
**Single Rail Clamp**  
 Round hole, 3 inches wide for splicing.



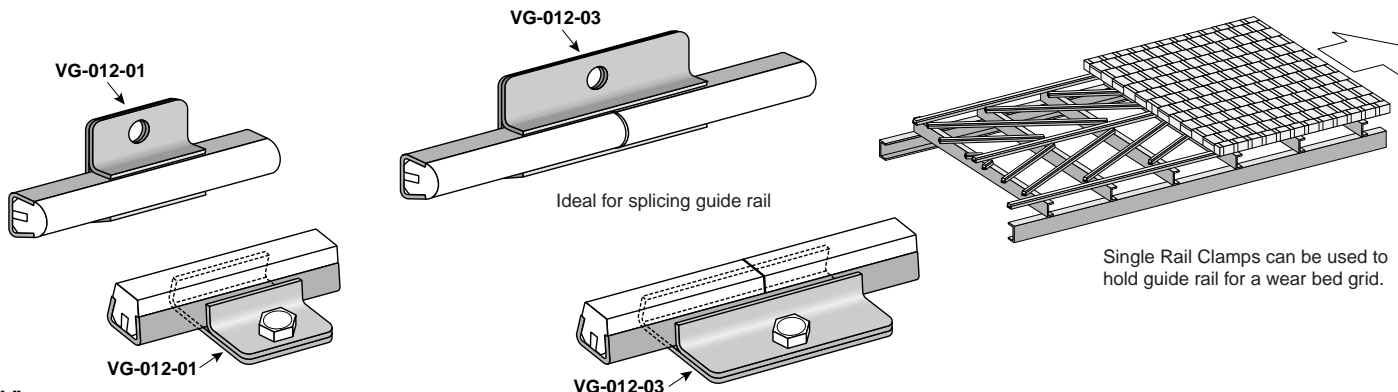
Part Number	Fastener
VG-012-03	5/16 or M8
VG-012-03-316	5/16 or M8



**Single Rail Clamp**  
 Square hole, 3 inches wide for splicing.



Part Number	Fastener
VG-012-03-SH	5/16 or M8
VG-012-03-SH-316	5/16 or M8



Single Rail Clamps can be used to hold guide rail for a wear bed grid.

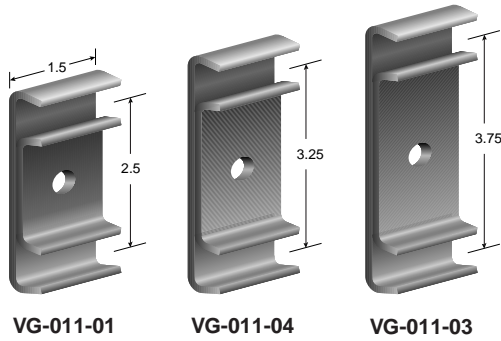


# VG-011 Series Double Rail Clamps

## 011

### Double Rail Clamp

Round hole, choice of rail center dimensions.



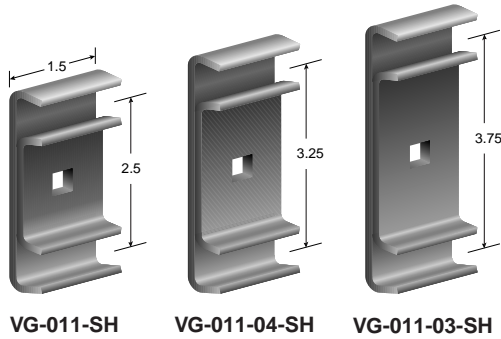
Material: 304 stainless steel, 11 gauge.

Part Number	(C) Rail Centers (in.)	Fastener
VG-011-01	2.5	3/8 or M10
VG-011-04	3.25	3/8 or M10
VG-011-03	3.75	3/8 or M10



### Double Rail Clamp

Square hole.

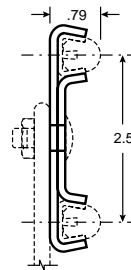
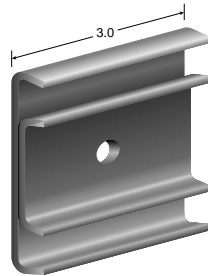


Part Number	(C) Rail Centers (in.)	Fastener
VG-011-SH	2.5	5/16 or M8
VG-011-04-SH	3.25	5/16 or M8
VG-011-03-SH	3.75	5/16 or M8



### Double Rail Clamp

Round hole, 3 inches wide for splicing.

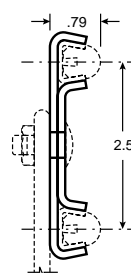
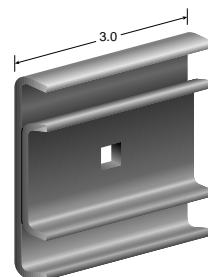


Part Number	Fastener
VG-011-WDR	3/8 or M10

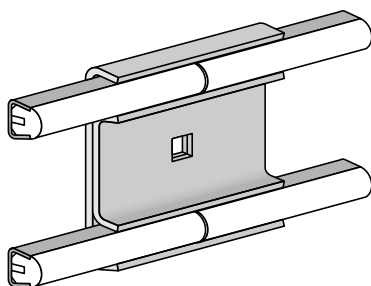


### Double Rail Clamp

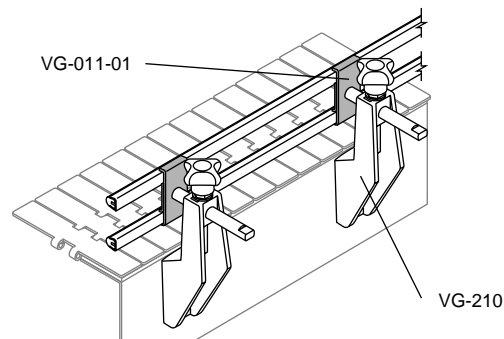
Square hole, 3 inches wide for splicing.



Part Number	Fastener
VG-011-WD	5/16 or M8



Ideal for splicing double guide rail.

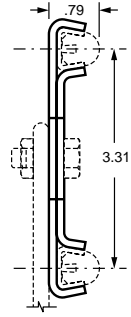
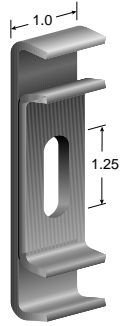






## 011

**Double Rail Clamp**  
Slotted hole.



**Material:** 304 stainless steel, 11 gauge.

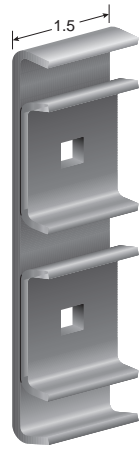
Part Number	Fastener
<b>VG-011-NS</b>	<b>3/8 or M10</b>



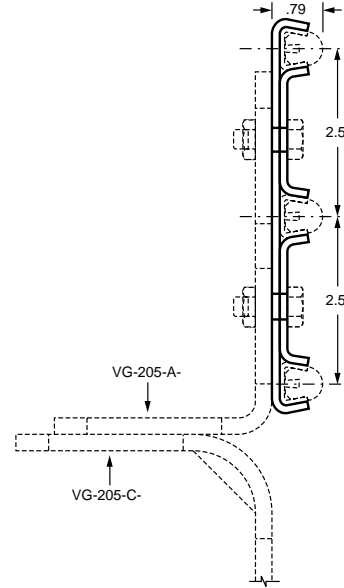
**Triple Rail Clamp**  
Support for guide rail. Used with tall containers or when large and small containers run on the same production line.



VG-011-02



VG-011-02-SH

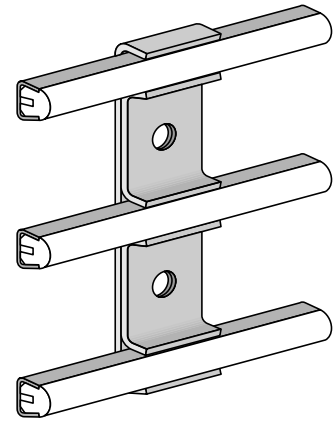
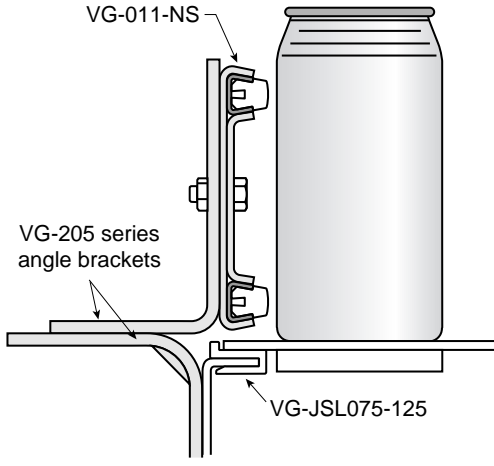


**Material:** 304 stainless steel, 11 gauge.

Part Number	Fastener
<b>VG-011-02</b>	<b>3/8 or M10</b>



<b>VG-011-02-SH</b>	<b>5/16 or M8</b>
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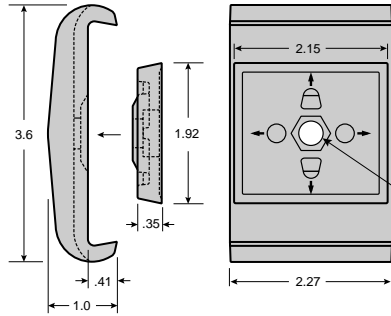
# Rail Clamps

Guide Rails & Hardware

## 011-01-P

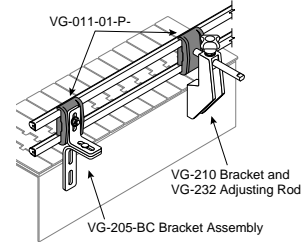
### Plastic Double Rail Clamp for Rail or Rod

Support for Valu Guide rail or 1/2 in. round rod. Can be used with brackets up to 1-1/2 in. wide or with male or female adjusting rods. Two piece, self centering assembly.

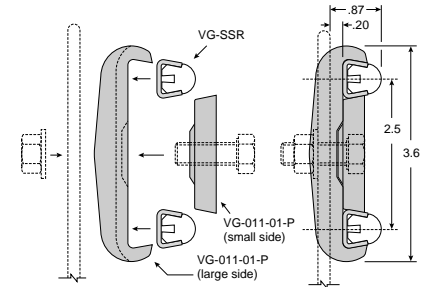
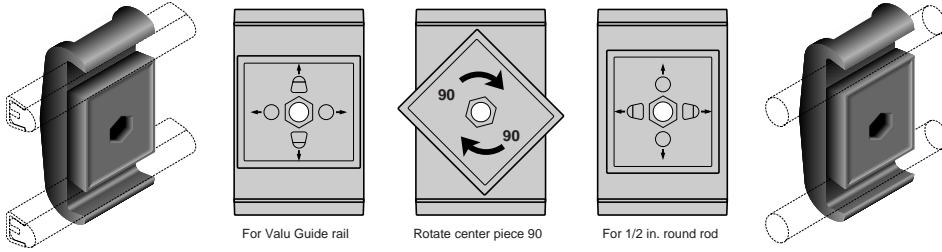


**Material:** Reinforced polyamide.

Part Number	Fastener
<b>VG-011-01-P-38</b>	<b>3/8</b>

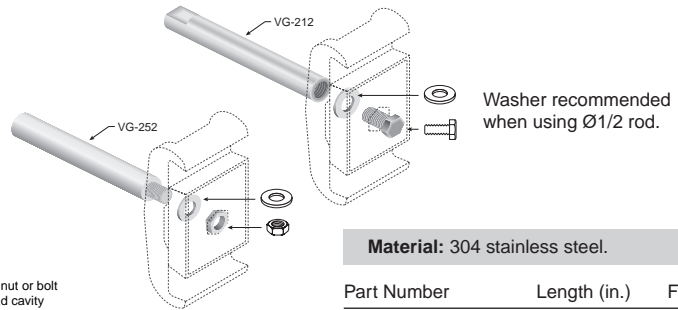
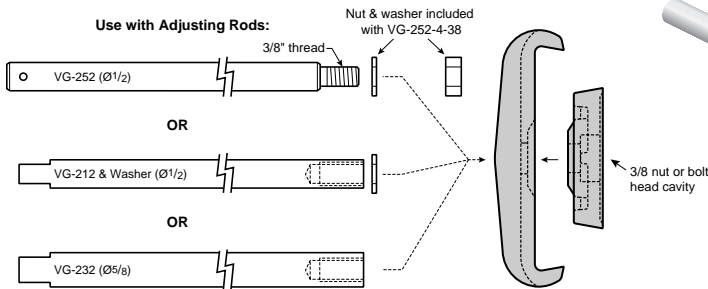


**For 1/2 inch round rod and additional clamps, see page 40-41**



### Stainless Steel Rods

Support rod options for use with VG-011-01-P- Plastic Rail Clamp.



**Material:** 304 stainless steel.

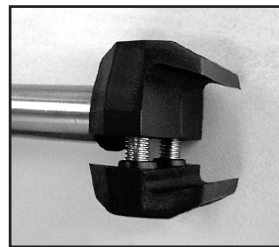
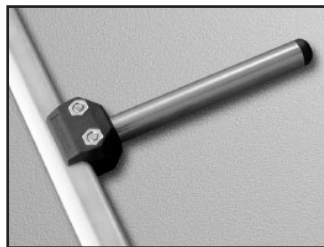
Part Number	Length (in.)	Fastener
<b>VG-252-4-38</b>	<b>4</b>	<b>3/8</b>
<b>VG-212 Rods:</b>	<b>see page 90</b>	
<b>VG-232 Rods:</b>	<b>see page 90</b>	

## 031



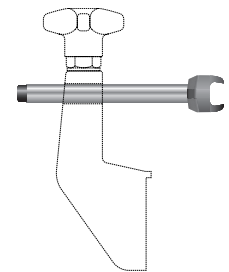
### Rail Clamp and Metal Rod Combination

A double bolt clamp with increased grip strength. Clamp is molded onto 1/2 inch OD stainless steel tube, for a cost effective way to provide strong rail support. Special hardware keeps jaws assembled during rail attachment.



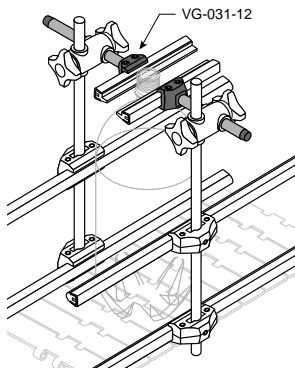
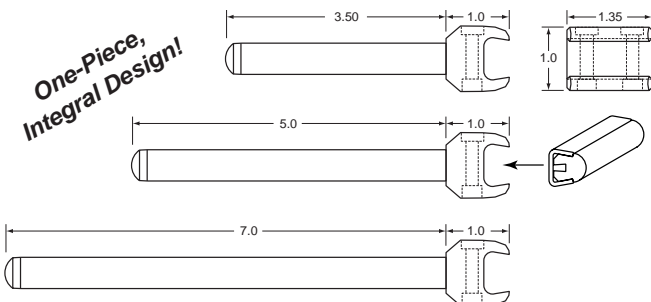
### Quick Claw

Longer nut threads allow clamp to open while assembly stays intact!



Includes patented features. Patent No. 5,626,221

**One-Piece, Integral Design!**



**Material:** Polyamide clamp with stainless steel rod, nickel plated brass and stainless steel fasteners.

Part Number	Rod Length (in.)
<b>VG-031-12-35</b>	<b>3.5</b>
<b>VG-031-12-50</b>	<b>5.0</b>
<b>VG-031-12-70</b>	<b>7.0</b>



## 022

### Rail Clamp for Rod or Flat Bar

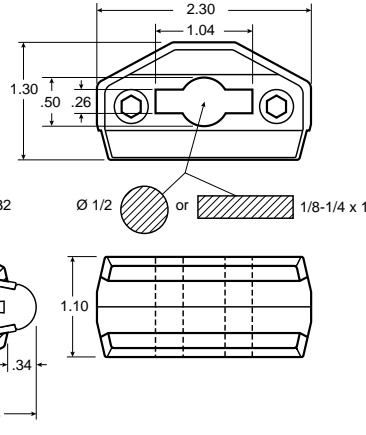
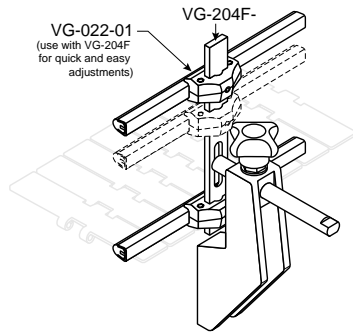
Mounts on flat bar up to 1/4 x 1 in. or rods up to 1/2 in. diameter. Versatile, corrosion resistant design easily adjusts and positions guide rails and sensor holders. The clamp can be opened enough to accommodate the rail while the fasteners remain engaged.



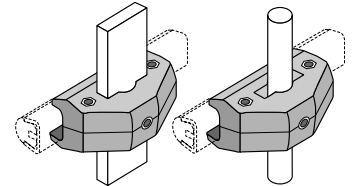
**Quick Claw**  
Longer nut threads allow clamp to open while assembly stays intact!



Patent No. 6,685,385



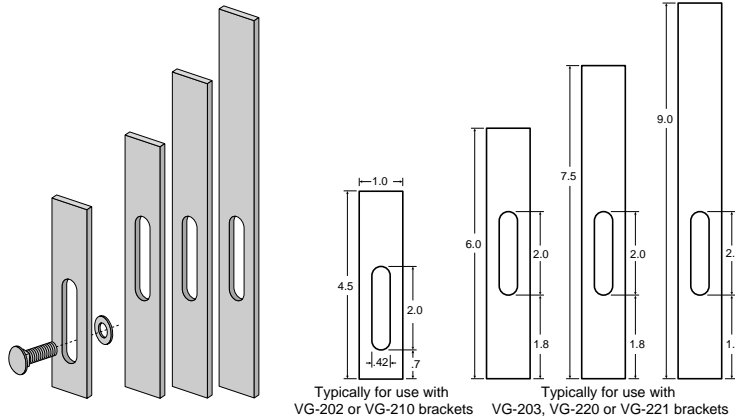
**Material:** Polyamide clamp with nickel plated brass and stainless steel fasteners.  
Part Number  
**VG-022-01**



## 204F

### Mounting Bar

Versatile and time saving, mounting bar positions guide rail. Can be used independently or in combination with VG-022 rail clamp and other various Valu Guide components. 3/8 carriage bolt and washer are included with each Mounting Bar.



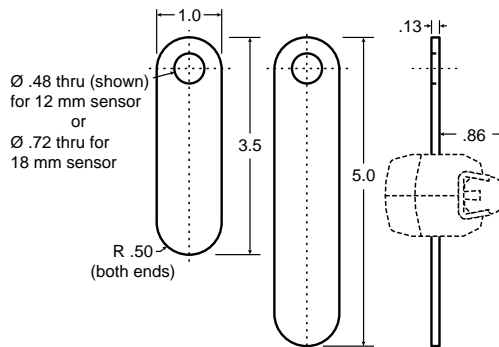
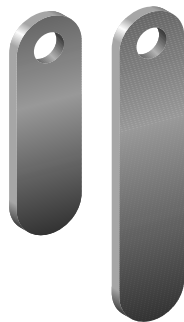
**Material:** 304 stainless steel, 3/16 x 1.

Part Number	Length (in.)
<b>VG-204F-45-316S</b>	<b>4.5</b>
<b>VG-204F-60-316S</b>	<b>6.0</b>
<b>VG-204F-75-316S</b>	<b>7.5</b>
<b>VG-204F-90-316S</b>	<b>9.0</b>

## 612

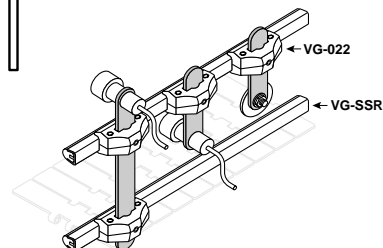
### Sensor Mount

Accurately positions sensors and reflectors. Use with VG-022-01 rail clamp for ideal sensor mounting and quick adjustment, above or below guide rail.



**Material:** 304 stainless steel.

Part Number	Length(in.)	Sensor(mm)
<b>VG-612-35-12</b>	<b>3.5</b>	<b>12</b>
<b>VG-612-35-18</b>	<b>3.5</b>	<b>18</b>
<b>VG-612-50-12</b>	<b>5</b>	<b>12</b>
<b>VG-612-50-18</b>	<b>5</b>	<b>18</b>

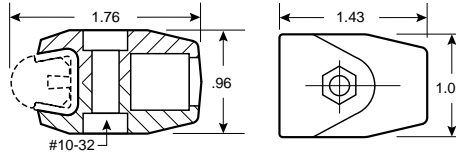


# Rod Ends and Adjusting Rods

## 020

### Rod End for Valu Guide Rail

Attaches to VG-020-R adjusting rods for use as a connector to hold and easily adjust Valu Guide rail.



**Material:** Acetal clamp with nickel plated brass and stainless steel fasteners.

Part Number  
**VG-020-01**

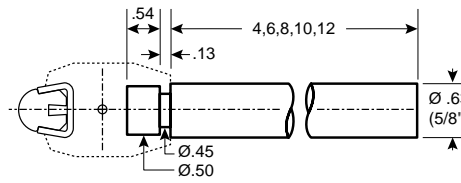
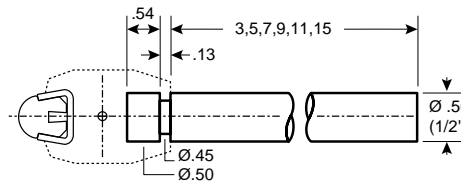
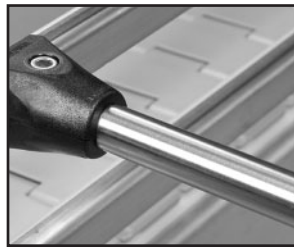
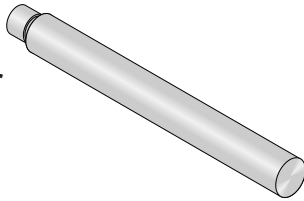
### Quick Claw

Longer nut threads allow clamp to open while assembly stays intact!

## 020-R

### Adjusting Rods for Rod Ends

Polished stainless steel rod attaches to VG-019-12 or VG-020-01 rod ends. Holds Valu Guide rail firmly in position and adjusts quickly when required. Available in various lengths with 1/2 or 5/8 in. diameters.



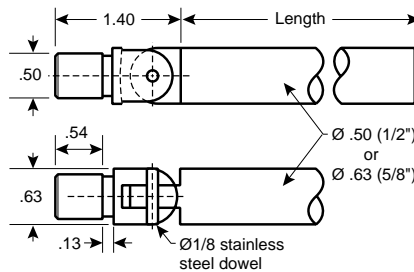
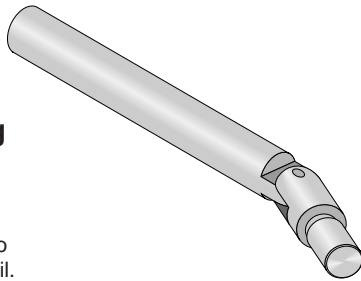
**Material:** Stainless steel.

Part Number	Length (in.)	Ø (in.)
VG-020-R3	3	1/2
VG-020-R5	5	1/2
VG-020-R7	7	1/2
VG-020-R9	9	1/2
VG-020-R11	11	1/2
VG-020-R15	15	1/2
VG-020-R4	4	5/8
VG-020-R6	6	5/8
VG-020-R8	8	5/8
VG-020-R10	10	5/8
VG-020-R12	12	5/8

## 020J

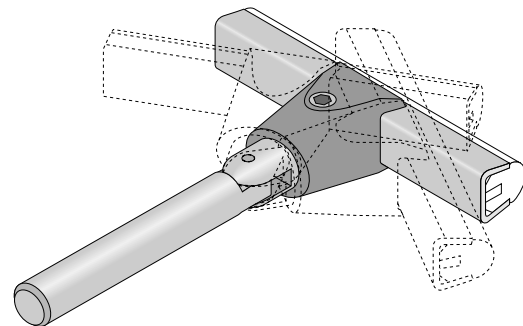
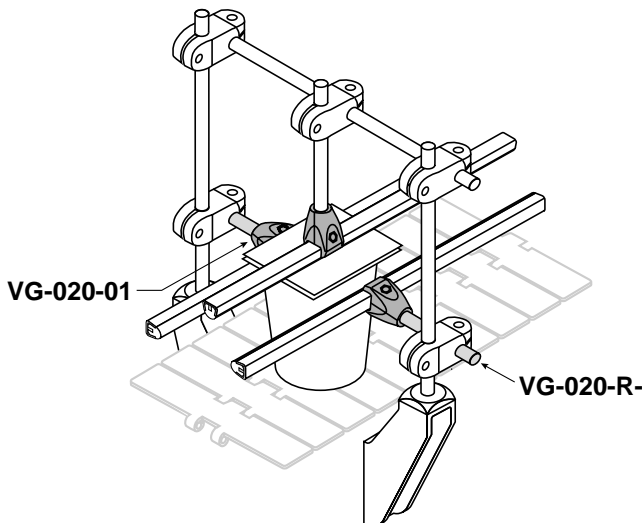
### Jointed Adjusting Rods: Grooved

For use with Valu Guide Rod Ends (VG-019 or VG-020) as a connector to curved or angled guide rail.

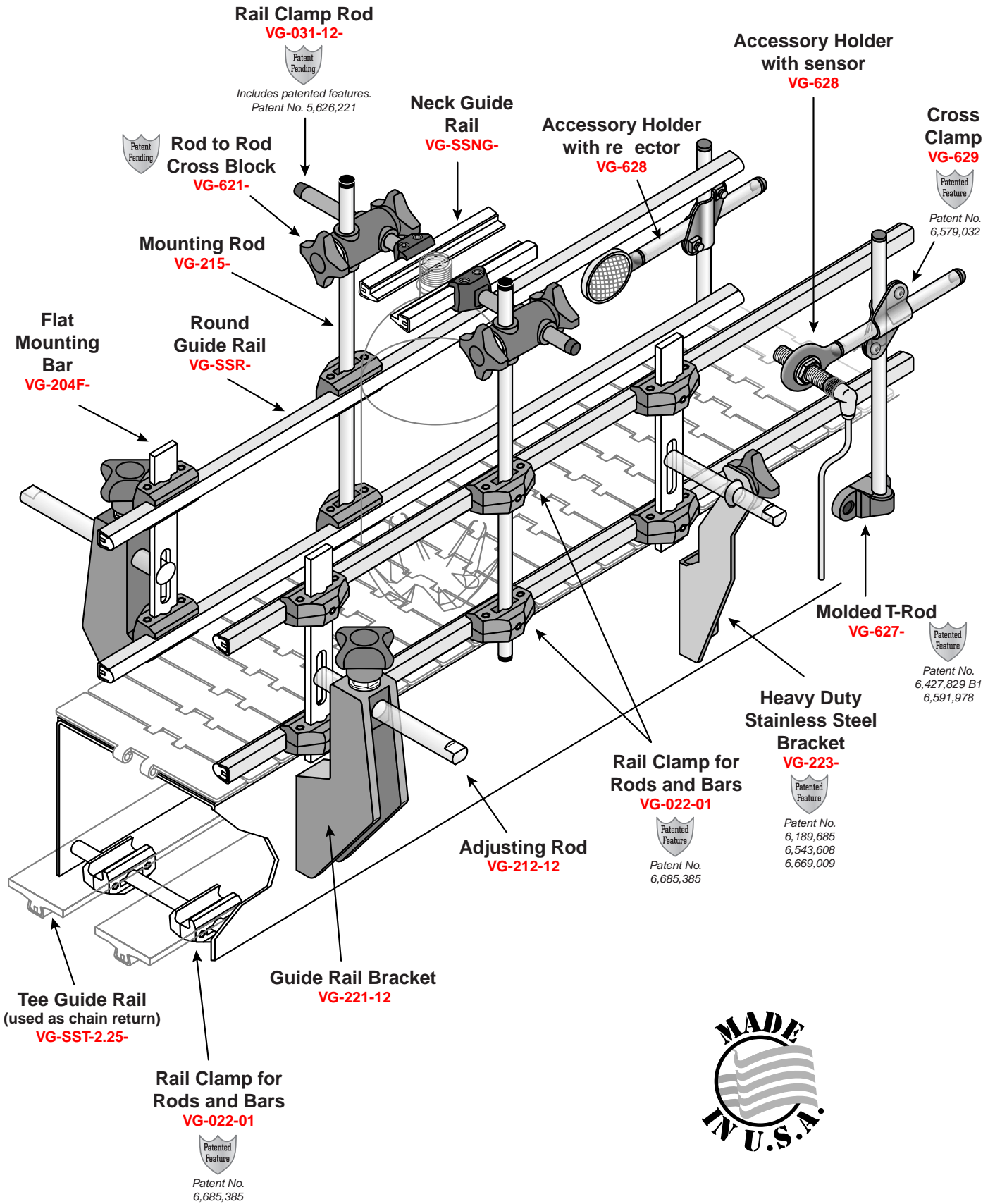


**Material:** 303 stainless steel.

Part Number	Length (in.)	Ø (in.)
VG-020J-R3	3	1/2
VG-020J-R4	4	5/8
VG-020J-R5	5	1/2
VG-020J-R6	6	5/8
VG-020J-R7	7	1/2
VG-020J-R8	8	5/8
VG-020J-R9	9	1/2
VG-020J-R10	10	5/8



# Typical Valu Guide Component Applications

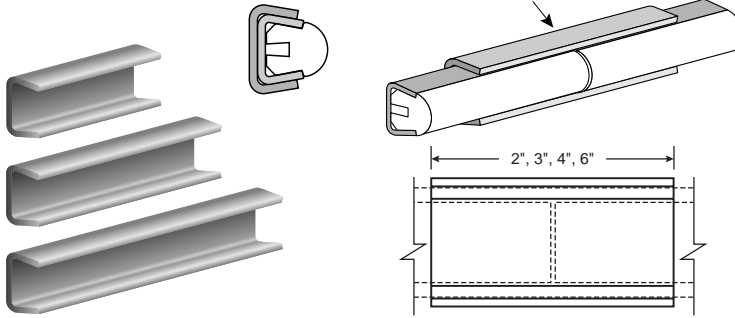


# Rail Splicing Clamps

## 013

### Splice Sleeve

Connects ends of two guide rails. This tight fitting sleeve can be tapped on with a hammer. No screws or bolts are necessary. For increased corrosion resistance, VG-013-01-316 is made from 316 stainless steel.



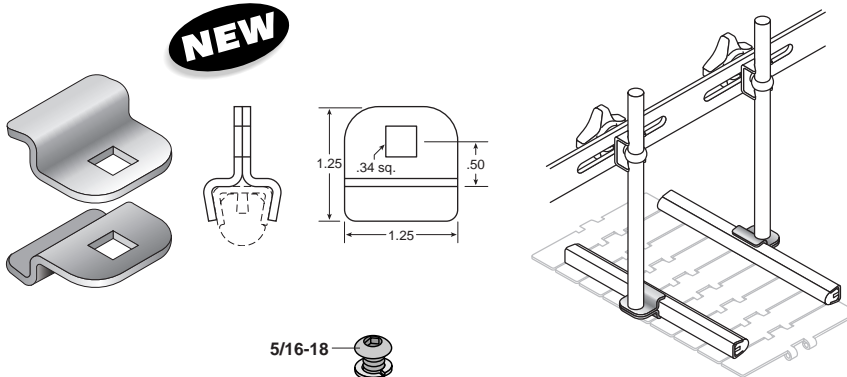
**Material:** 304 stainless steel, 14 gauge. **VG-013-01-316** is 316 stainless steel.

Part Number	Length (in.)
<b>VG-013-01</b>	<b>2</b>
<b>VG-013-01-316</b>	<b>2</b>
<b>VG-013-03</b>	<b>3</b>
<b>VG-013-04</b>	<b>4</b>
<b>VG-013-06</b>	<b>6</b>

## 113-01

### Heavy Duty Clip

Two piece compression style for easy assembly and adjustment. Heavy duty, rigid support, installs easily over rail.



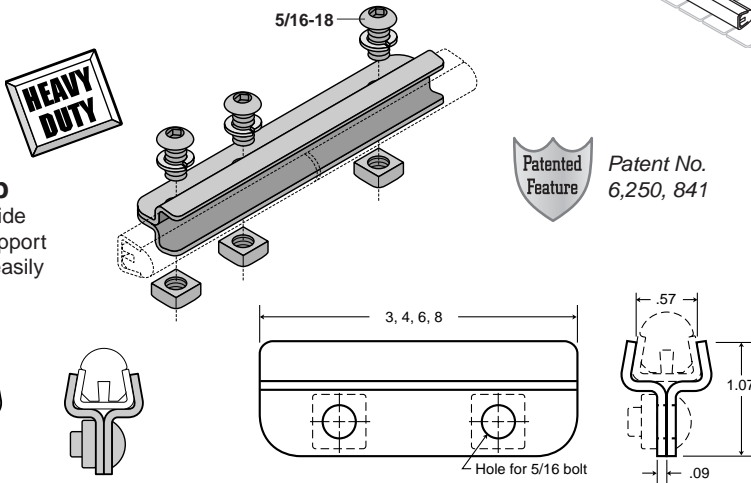
**Material:** 304 stainless steel, 13 gauge.

Part Number	Fasrener
<b>VG-113-01</b>	<b>5/16</b>

## 113

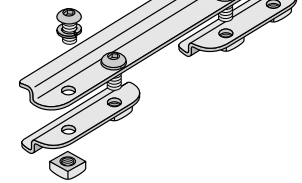
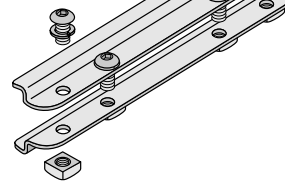
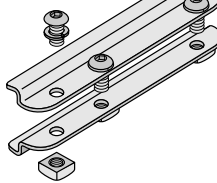
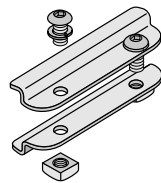
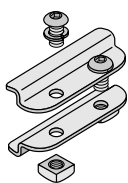
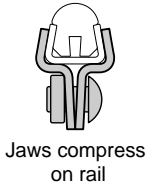
### Rail Splice Clamp

Connects ends of two guide rails. Heavy duty, rigid support resists bending, installs easily over rail. Patent pending. Hardware included.



**Material:** 304 stainless steel, 13 gauge.

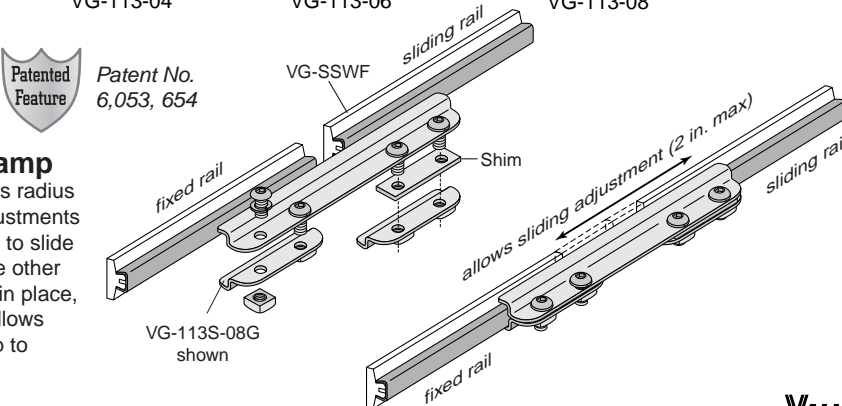
Part Number	Length (in.)
<b>VG-113-03</b>	<b>3</b>
<b>VG-113-04</b>	<b>4</b>
<b>VG-113-06</b>	<b>6</b>
<b>VG-113-08</b>	<b>8</b>
<b>VG-113-08G</b>	<b>Gap</b>



## 113S

### Sliding Splice Clamp

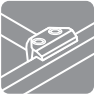
Used in situations such as radius turns where frequent adjustments are made. Allows one rail to slide within the clamp while the other remains fixed. With shim in place, clamp positions rail but allows sliding for adjustments up to 2 inches.



**Material:** 304 stainless steel.

Part Number	Length (in.)
<b>VG-113S-06</b>	<b>6</b>
<b>VG-113S-08</b>	<b>8</b>
<b>VG-113S-08G</b>	<b>Gap</b>

# Rail Splicing Clamps

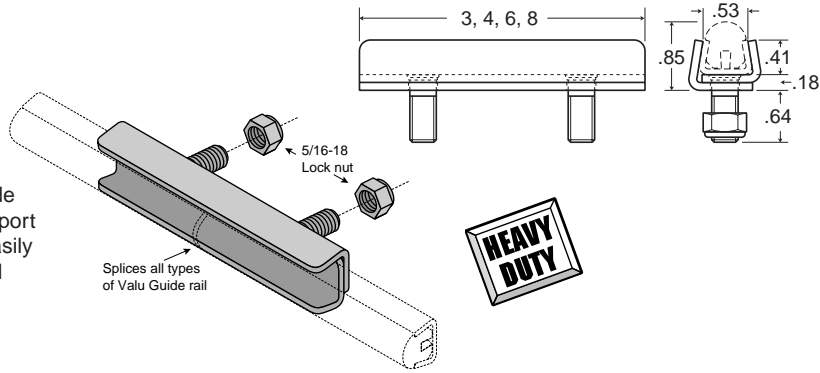


Guide Rails & Hardware

## 118

### Rail Splice Clamp

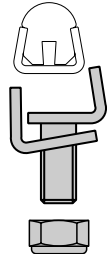
Connects ends of two guide rails. Heavy duty, rigid support resists bending, installs easily over rail and can be bolted directly to a bracket. Patent pending. Hardware included.



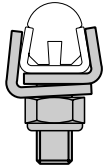
**Material:** 304 stainless steel, 13 gauge.

Part Number	Length (in.)
VG-118-03	3
VG-118-04	4
VG-118-04K	Knob 4
VG-118-06	6
VG-118-06K	Knob 6
VG-118-08	8
VG-118-08G	Gap 8
VG-118M-04	M8 thread 4

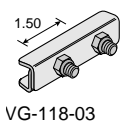
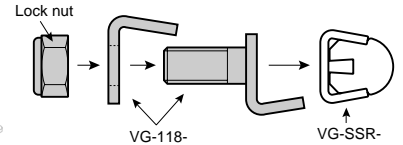
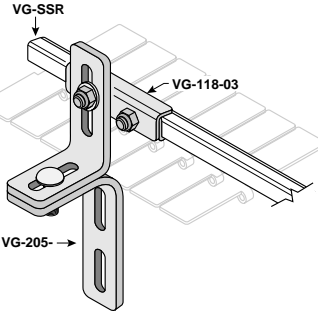
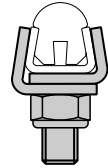
Before tightening



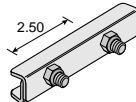
Jaws compress on rail



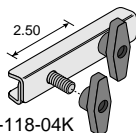
After tightening



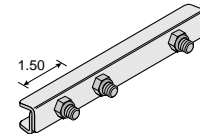
VG-118-03



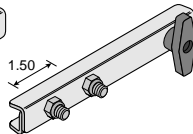
VG-118-04



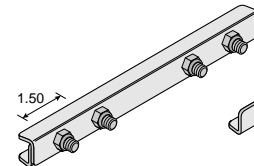
VG-118-04K



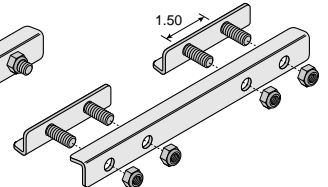
VG-118-06



VG-118-06K



VG-118-08



VG-118-08G

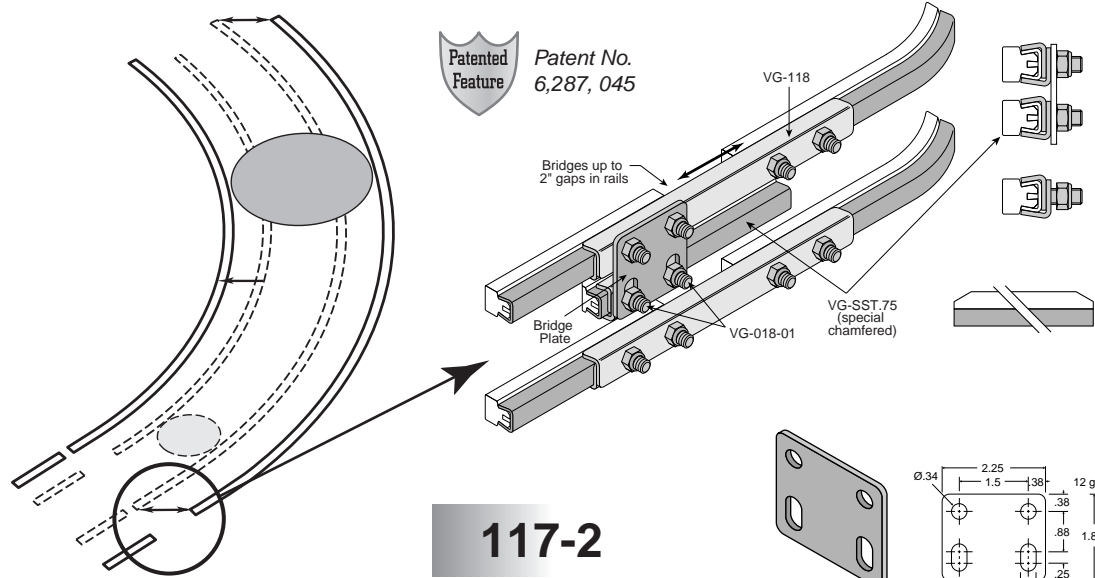
## 118B

### Guide Rail Bridge Kit

Provides continuity in side guide surface by bridging a gap that is sometimes created when adjusting rails for larger container sizes.

**Kit includes:**

- 1 - VG-118 Bridge Plate
- 2 - VG-018-01 6" piece chamfered rail
- Hardware



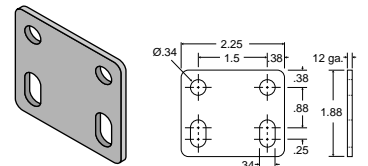
## 117-2

### Universal Mounting and Splice Plates

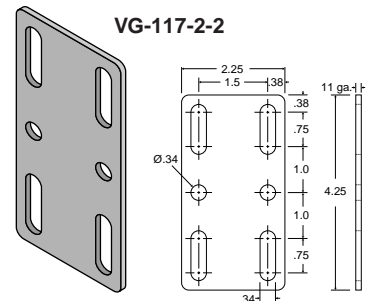
Individual stainless plates for various mounting and splicing uses.

**Material:** 304 stainless steel.

Part Number	H	W
VG-117-2-2	1.88	2.25
VG-117-2-4	4.25	2.25



VG-117-2-2



VG-117-2-4

**Note:** Use "R" rail to bridge Round, Modified and Flat profiles. Use the "T" for all other Tee profiles.



NOLU PLASTICS

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# Rail Clips

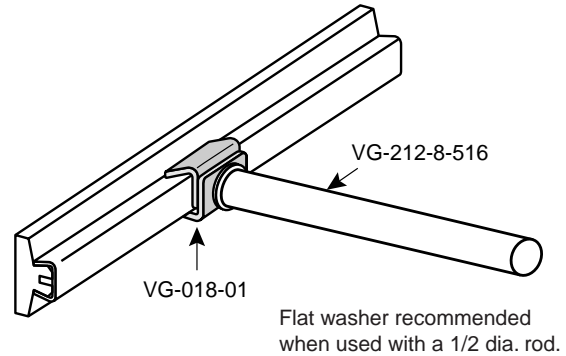
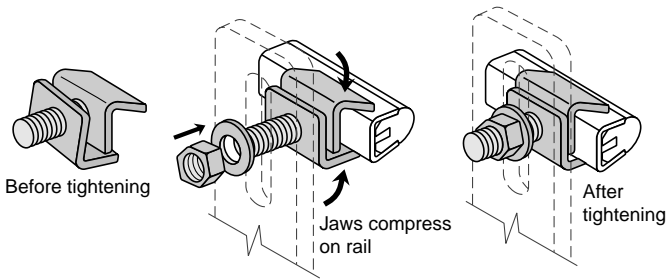
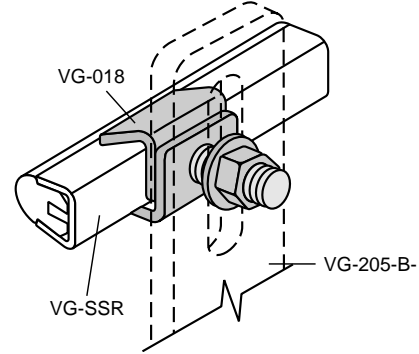
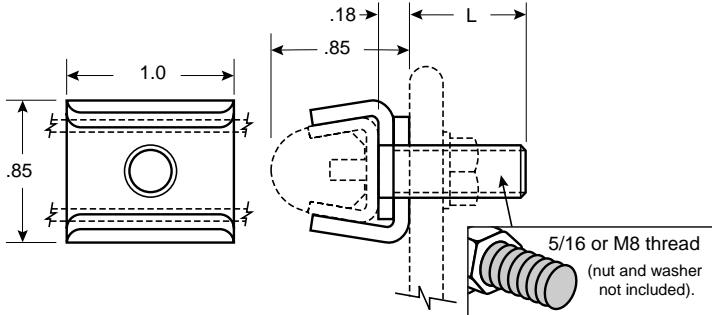
## 018

### Heavy Duty Clip

Heavy duty support for guide rail. Two piece compression style for easy assembly and adjustment. Works with brackets, support beams and adjusting rods. Available in 4 stud lengths. The VG-018 offers excellent corrosion resistance. Recommended max. torque: 17 ft-lbs or 23 N m.



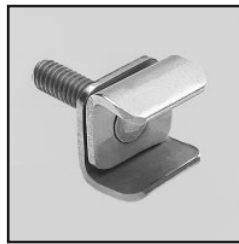
Material: 13 ga. stainless steel.		
Part Number	Bolt Length (L)	Thread
VG-018-01	.675	5/16
VG-018-02	.75	5/16
VG-018-03	1.0	5/16
VG-018-04	1.25	5/16
VG-018M-01	14mm	M8
VG-018M-02	20mm	M8
VG-018M-03	25.5mm	M8
VG-018M-04	30mm	M8



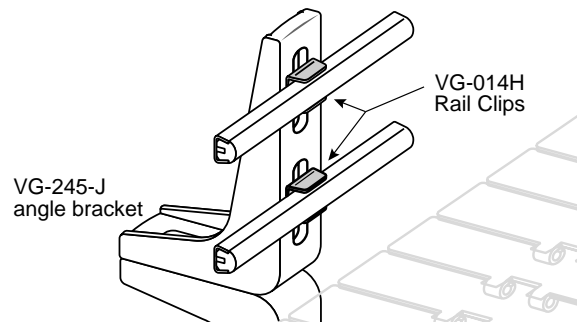
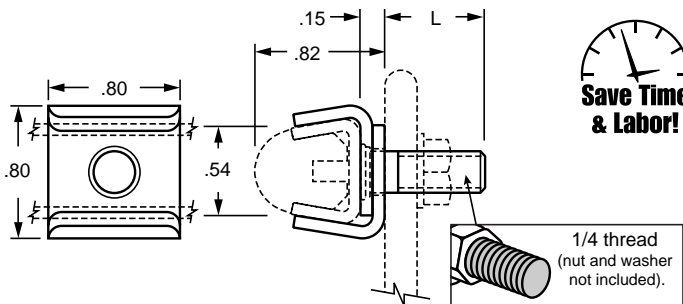
## 014H

### Self Tightening Clip

Medium duty clip for supporting guide rails. Jaws of clip open for easy attachment then clamp onto rail when tightened. This is an upgrade from the standard VG-014 clip. Nut not supplied. Recommended torque: 10ft-lb.



Material: Stainless steel, 14 ga.		
Part Number	Bolt Length (L)	Thread
VG-014H-01	.60	1/4
VG-014H-02	.85	1/4





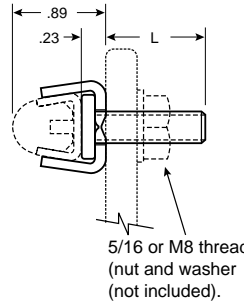
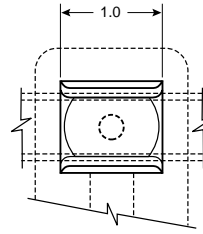
# Rail Clips



## 015

### Self Tightening Clip

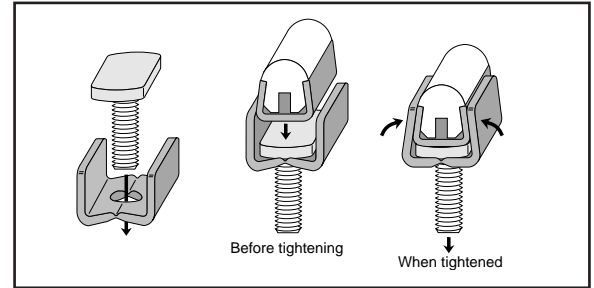
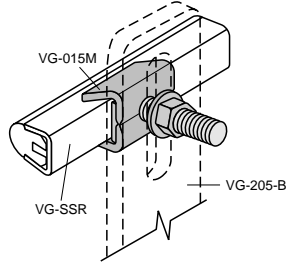
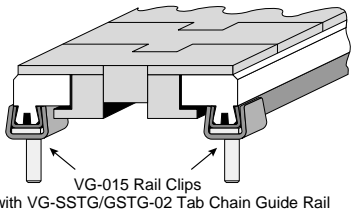
Heavy duty support for guide rail. Automatically clamps onto Valu Guide rail when the bolt is tightened. Available in 4 bolt lengths, the VG-015 clip saves assembly time and can be used with brackets or support beams. Recommended max. torque: 19 ft-lbs or 26 N m.



Patented Feature Patent No. 5,803,687

Material: 304 stainless steel, 13 ga.

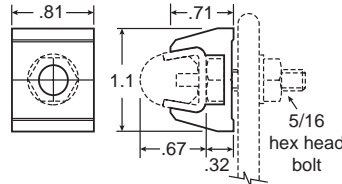
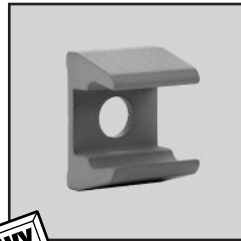
Part Number	Bolt Length (L)	Thread
VG-015-01	.64	5/16
VG-015-02	.76	5/16
VG-015-03	1.01	5/16
VG-015-04	1.26	5/16
VG-015M-01	16mm	M8
VG-015M-02	19mm	M8
VG-015M-03	25.5mm	M8
VG-015M-04	32mm	M8



## 016

### Aluminum Compression Clip

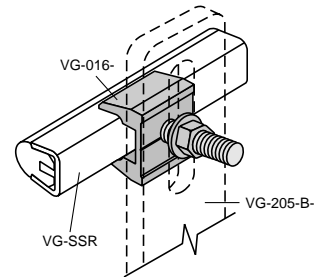
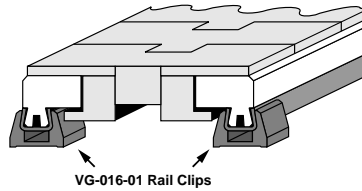
Heavy duty support for guide rail. Can be used on most industrial applications. Clip grips onto rail when the bolt is tightened.



VG-017 Backing Plate is required when attaching to an adjusting rod.

Material: Aluminum or anodized aluminum.

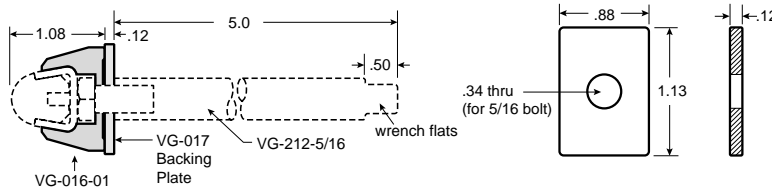
Part Number	Aluminum	Anodized	Fastener
VG-016-01			5/16
VG-016-03			5/16



## 017

### Backing Plate

Makes VG-016 close tightly onto rail when used for rod end applications.



Material: 304 stainless steel.

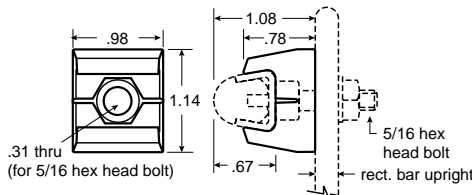
Part Number	Fastener
VG-017	

## 016



### Plastic Compression Clip

For light duty applications. Connects guide rail to brackets or adjusting rods. When the clip is installed loose, the rail can be snapped into the clip. As the bolt is tightened, clamping force on the rail increases.



Material: Acetal.

Part Number	Fastener
VG-016-02	5/16

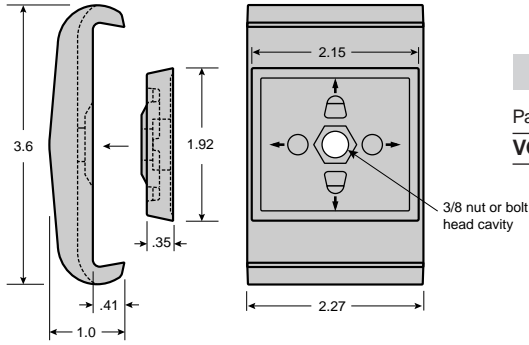
Not recommended for use with adjusting rods or on wear beds.

# Round Guide Rail and Clamps

## 011-01-P

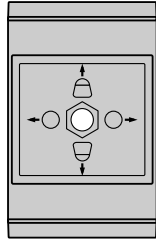
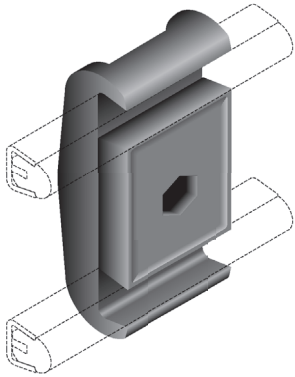
### Plastic Double Rail Clamp for Rod or Rail

Support for 1/2 in. round rod or Valu Guide rail. Can be used with at brackets up to 1-1/2 in. wide or with male or female adjusting rods. Two piece, self centering assembly.

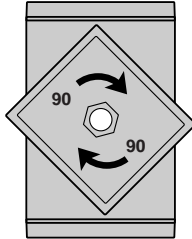


**Material:** Reinforced polyamide.

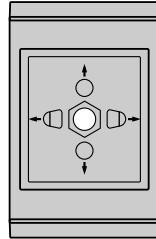
Part Number	Fastener
VG-011-01-P-38	3/8



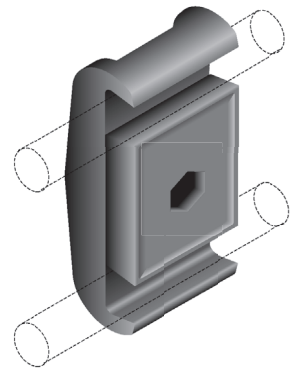
For Valu Guide rail



Rotate center piece 90



For 1/2 in. round rod



## 021

### Rod Clamp for Rod or Flat Bar

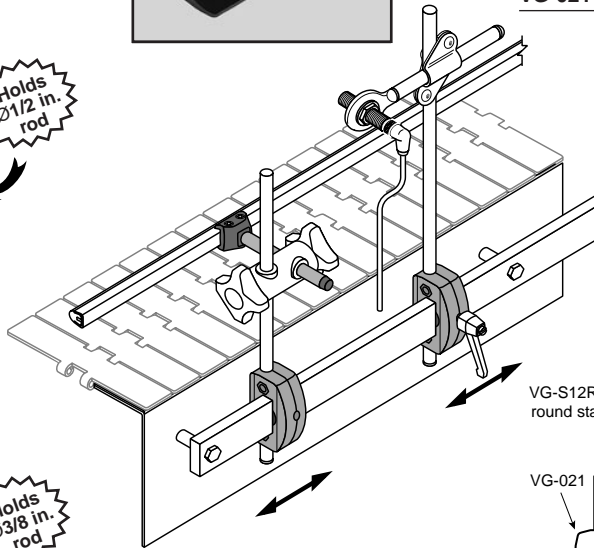
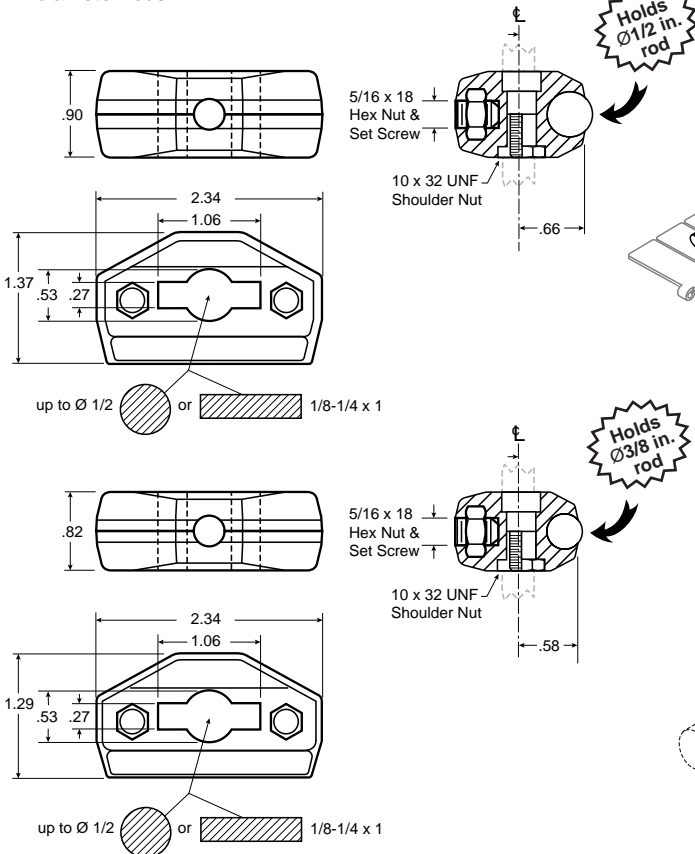
Mounts on at bar up to 1 x 1/4 in. or rods up to 1/2 in. diameter. Corrosion resistant design easily adjusts and positions 3/8 or 1/2 in. diameter rods.

**Quick Claw**  
Longer nut threads allow clamp to open while assembly stays intact!

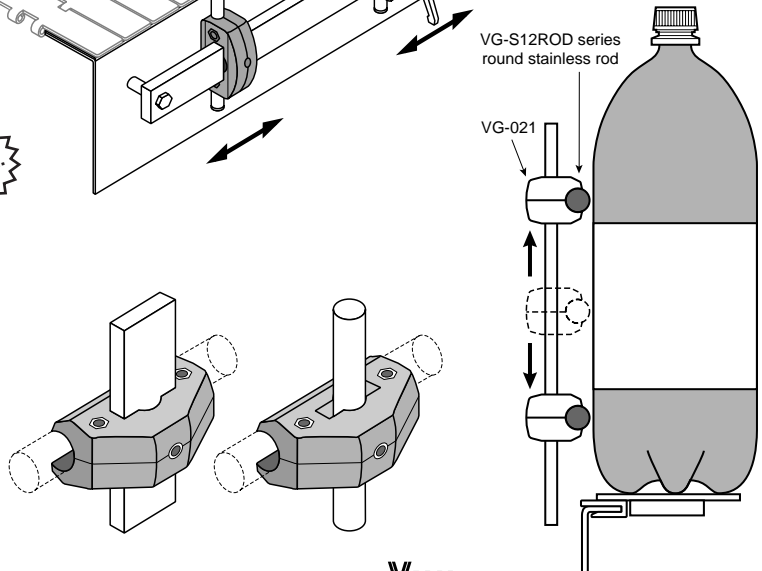


**Material:** Polyamide clamp with nickel plated brass and stainless steel fasteners.

Part Number	Rod Dia. (in.)
VG-021-02	1/2
VG-021-03	3/8



Patent No. 6,685,385



# Round Guide Rail and Clamps



Guide Rails & Hardware

## 032

### Clamp and Metal Rod Combination for Round Rod

A double bolt clamp with increased grip strength. Clamp is molded onto 1/2 inch OD stainless steel tube, for a cost effective way to provide strong rod support. Special hardware keeps jaws assembled during rod attachment.

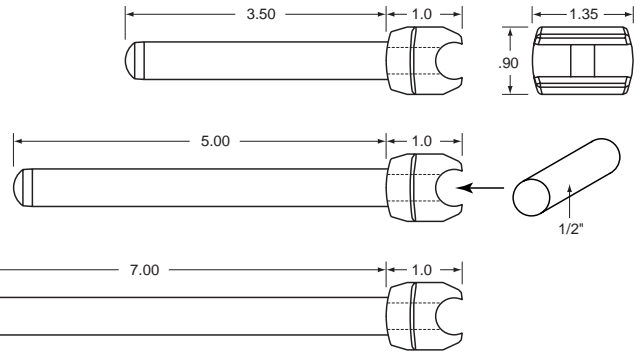
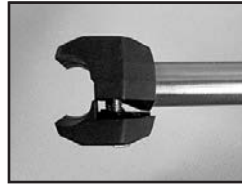


Includes patented features. Patent No. 5,626,221

**One-Piece, Integral Design!**

**Material:** Polyamide clamp with stainless steel rod, nickel plated brass and stainless steel fasteners.

Part Number	Rod Length (in.)
VG-032-12-35	3.5
VG-032-12-50	5.0
VG-032-12-70	7.0

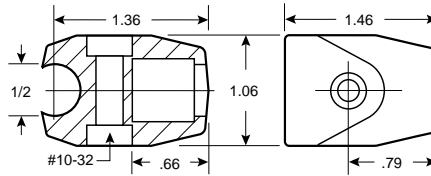
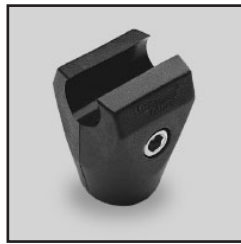


**Quick Claw**  
Longer nut threads allow clamp to open while assembly stays intact!

## 019

### Rod End

Attaches to VG-020-R adjusting rods for use as a connector to hold and easily adjust 1/2 round guide rod.



**Material:** Acetal clamp with stainless steel and nickel plated brass fasteners.

Part Number
VG-019-12

**Quick Claw**  
Longer nut threads allow clamp to open while assembly stays intact!

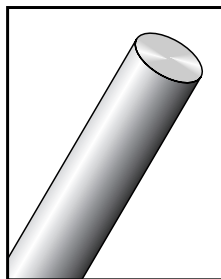
See page 34 for adjusting rod information

Valu Guide's selection of holding devices for round rod can be used in many different applications. Although side guide rail is a common use for round rod, these versatile clamps can hold and adjust round rod vertically for additional positioning options.

## S12ROD

### Steel Rod

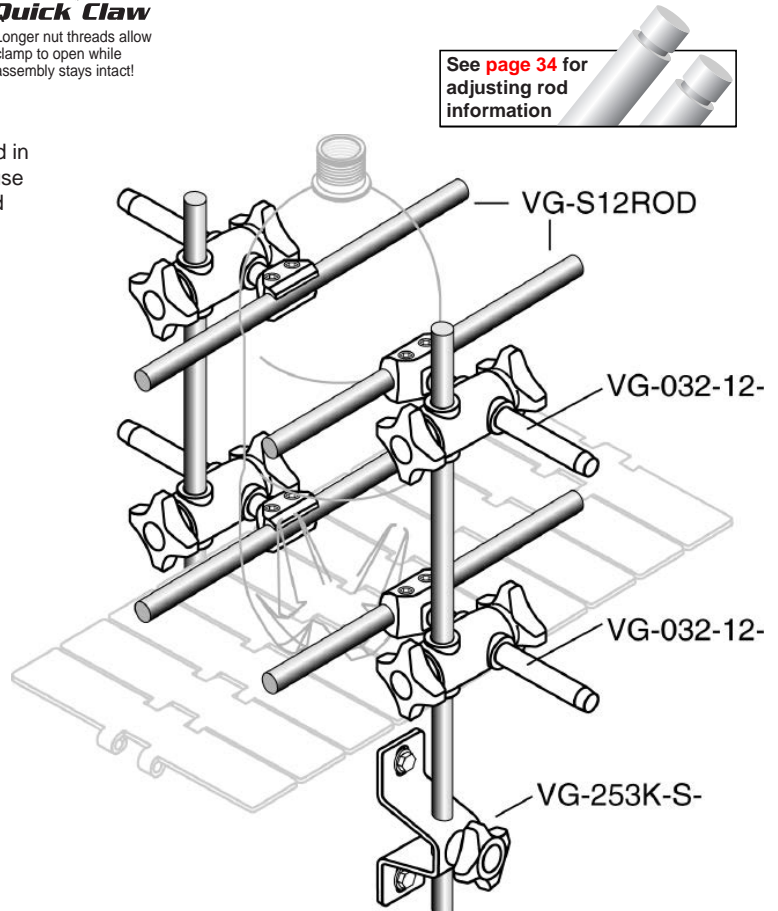
Polished stainless steel rod, 1/2 inch diameter. Used as a side guide or as a vertical positioning support.



See page 79 for 1/2" UHMW round bar.

**Material:** 303 stainless steel.

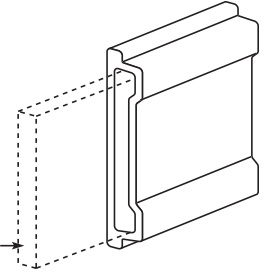
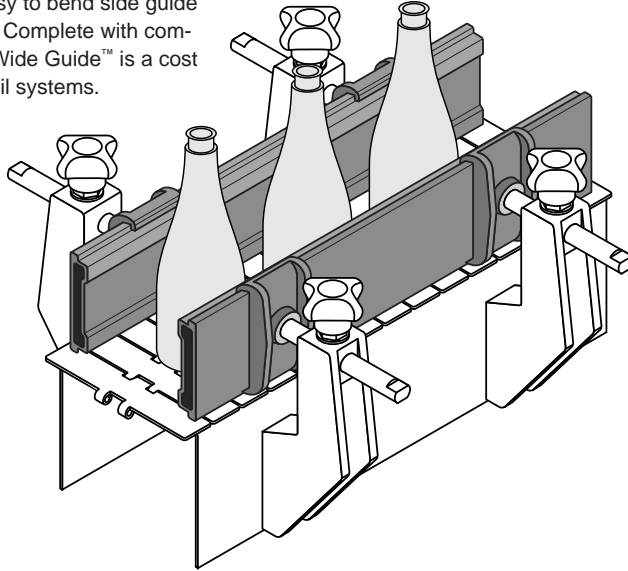
Part Number	Length (ft.)
VG-S12ROD-8	8
VG-S12ROD-12	12



# Wide Guide™ Rail and Clamps



Wide Guide™ is a non-corrosive, easy to bend side guide for package or container conveying. Complete with compatible clamps and adjusting rods, Wide Guide™ is a cost effective alternative to other multi-rail systems.

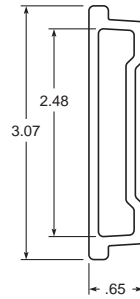
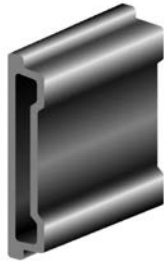


1/4 x 2-1/4

For added support with heavy side loads or in corner applications, Wide Guide™ is used in conjunction with a customer supplied internal bar or structural channel.

## WG1

### Wide Guide

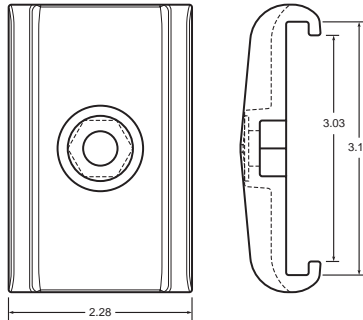
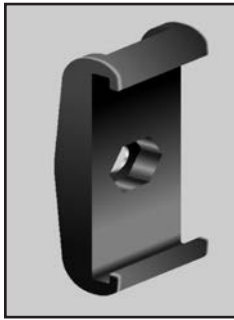


**Material:** Black or blue Polyethylene

Part Number	Color	Length(ft.)
<b>VG-WG1-10</b>	<b>black</b>	<b>10</b>
<b>VG-WG1-BL-10</b>	<b>blue</b>	<b>10</b>

## 190

### Wide Guide Clamp



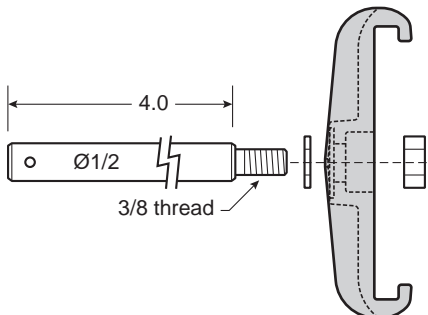
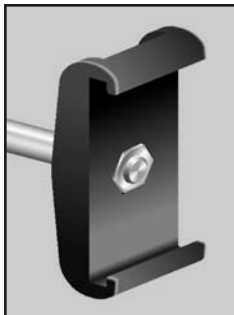
**Material:** Black Polyamide clamp with stainless steel washer.

Part Number
<b>VG-190</b>



## 191

### Wide Guide Clamp with Rod

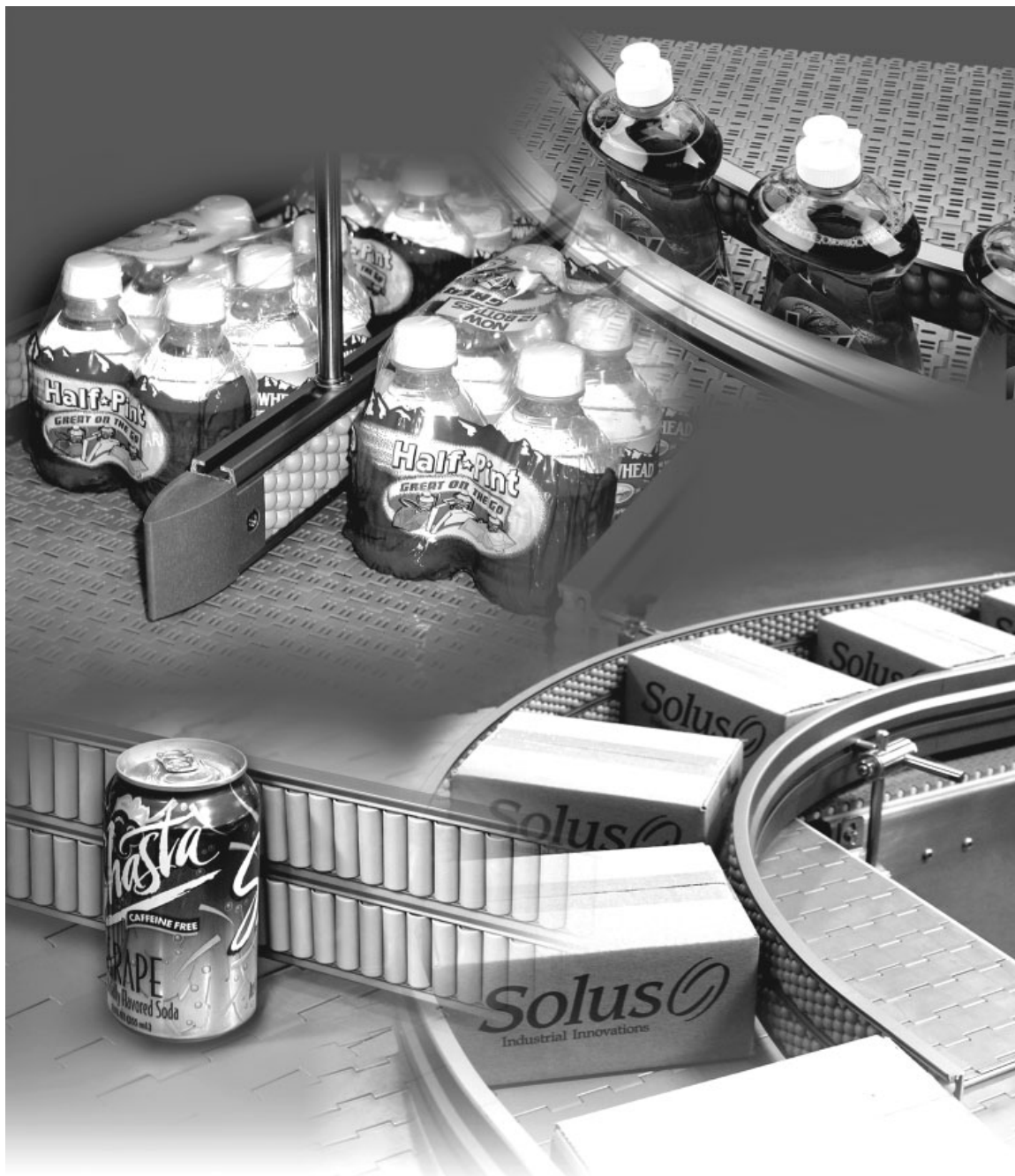


**Material:** Black Polyamide clamp with stainless steel washer, rod and nut.

Part Number	ØRod	Length
<b>VG-191-252-4</b>	<b>1/2</b>	<b>4</b>



# Low Friction Bead Guides



## Section Overview

SpeedRail SB ...  
Page **46**



SpeedRoll ...  
Page **48**



SpeedRail ...  
Page **50**



BeadRail ...  
Page **51**



BeadWall...  
Page **52**



Heavy Duty  
BeadWall ... Page **53**

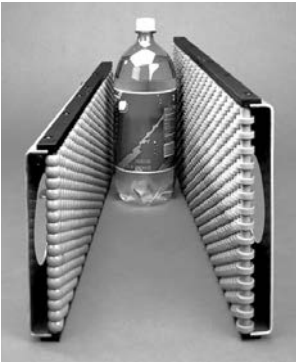


Roller  
Combiner ... Page **54**



Bead Guide  
Accessories ...  
Page **55**

## Valu Guide Low Friction Bead Guides



Valu Guide Bead Guides and Combiners are an excellent solution for those areas on a conveying line where containers have trouble moving smoothly and tend to crowd together or jam. The dense pattern of free moving beads or rollers, supported by pins and a metal channel, create a durable, low friction guiding surface. This free rolling action does not allow the package to create any friction points or bridges, which can cause jamming and possibly cause unwanted shutdowns. Our low friction bead guides include light to heavy duty options, each with a wide selection of heights and lengths. Valu Guide bead guides and combin-



- **Jam Busters**
- **No friction points for bridging**
- **Increases throughput**
- **Reduces product damage**
- **Good with paper, plastic and metal containers**

ers are also available in custom curved sections. Additional information can be obtained by calling Solus at (866) 765-8744 or visit [www.solusii.com](http://www.solusii.com).

### **A SpeedRail™**

SpeedRail offers an economical low friction roller guide surface that can be easily modified. The Valu Guide rail bending machine can be used to easily form inner or outer curves. Plus, SpeedRail can be cut to any length between beads. Easy fastening frame slots permit fastening anywhere along the back side of the aluminum channel.

### **B SpeedRail SB™**

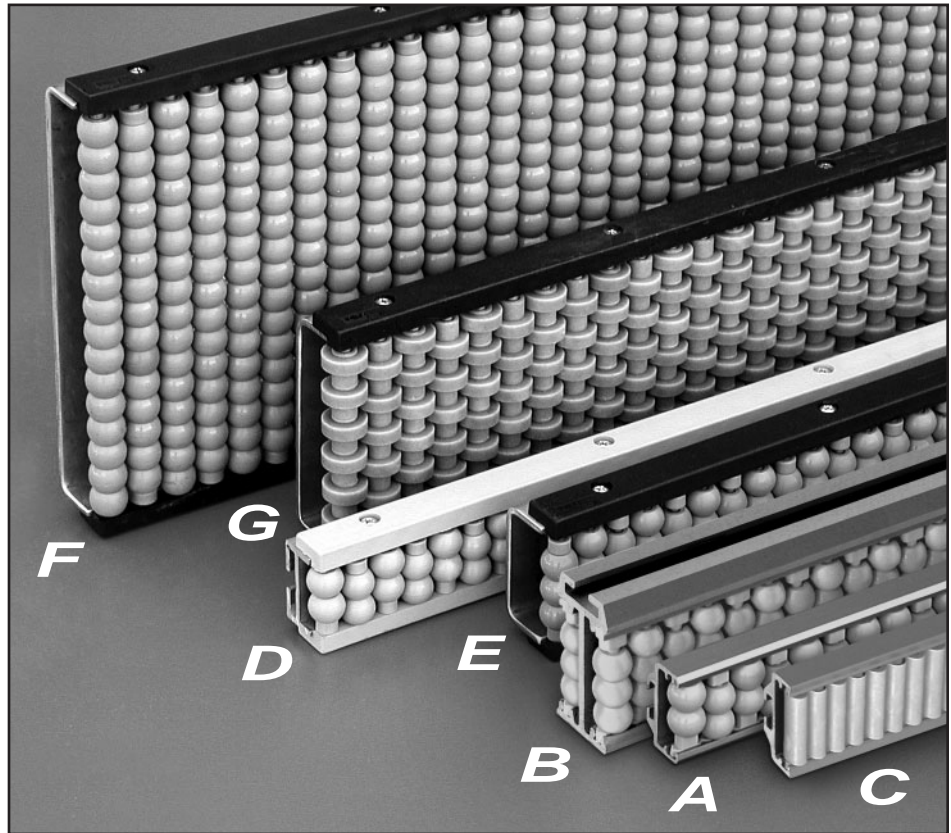
Low friction, light duty, small diameter beads provides excellent guides for poly-wrapped containers or PET bottles. Can be cut to length and bent using special rollers and the Valu Guide rail bender. Easy fastening frame slots permit fastening anywhere along the back side of the aluminum channel.

### **C SpeedRoll™**

SpeedRoll offers a low friction roller guide surface that is great for thin walled aluminum containers or load sensitive items. The Valu Guide rail bending machine can be used to easily form inner or outer curves. Plus, SpeedRoll can be cut to any length between beads. Easy fastening frame slots permit fastening anywhere along the back side of the aluminum channel.

### **D BeadRail™**

This Economical roller guide can be used for light to medium duty carry surfaces or side rails. Easy fastening frame slots permit fastening anywhere along the back side of the aluminum channel version, or every 6 inches when using a stainless steel channel. Aluminum channels are available in two heights.



### **E BeadWall™**

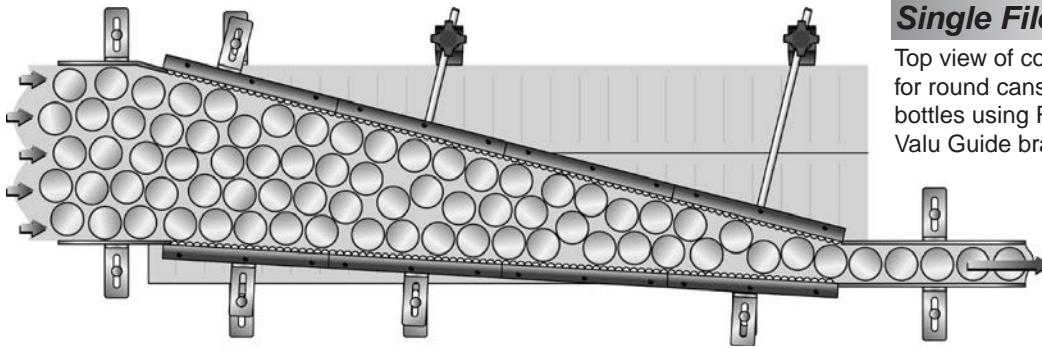
This high density bead pattern is our most popular low friction guiding surface. The heavy gauge stainless or plated steel channel construction can withstand significant side loads. Easy fastening frame slots allow for horizontal and vertical BeadWall applications.

### **F Heavy Duty BeadWall™**

For extreme load conditions, Heavy Duty BeadWall is constructed with larger diameter beads and thicker stainless steel pins. These modifications accommodate large load capacities and allow for bead surfaces up to 10 inches.

### **G Roller Combiner**

For applications where a flat contact surface is preferred, Roller Combiner is available with all of the low friction guiding advantages of BeadWall. Available in heights up to 10 inches.

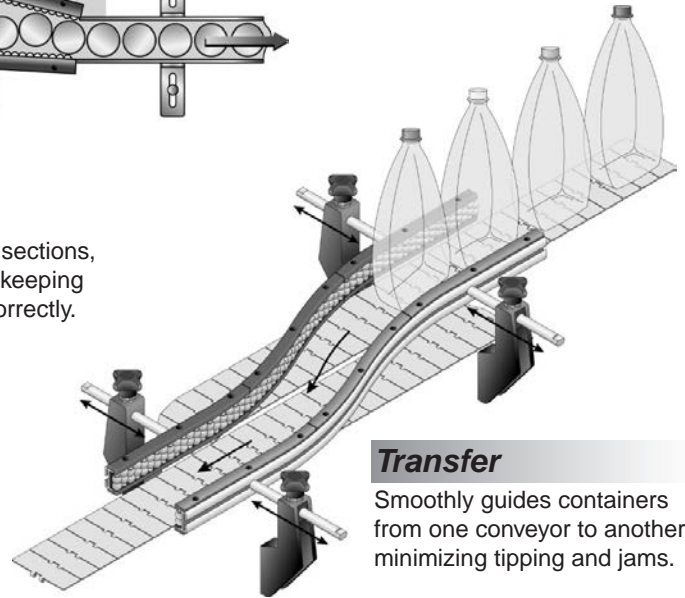
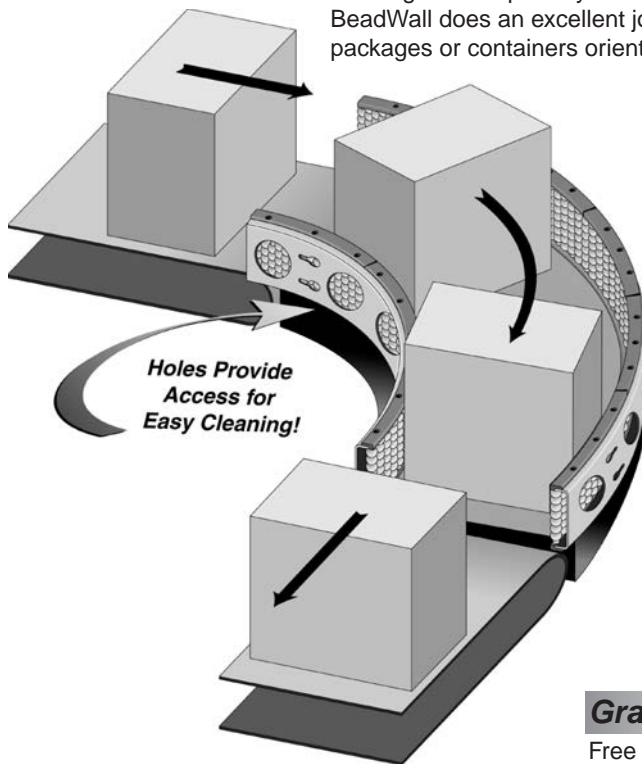


## Single Filer

Top view of combiner application for round cans, glass or plastic bottles using Roller Combiner and Valu Guide brackets and rods.

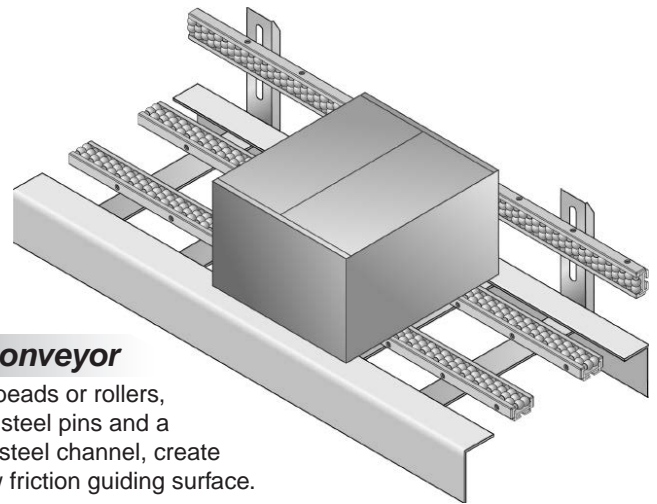
## Maintaining Orientation

In straights or especially in curved sections, BeadWall does an excellent job of keeping packages or containers oriented correctly.



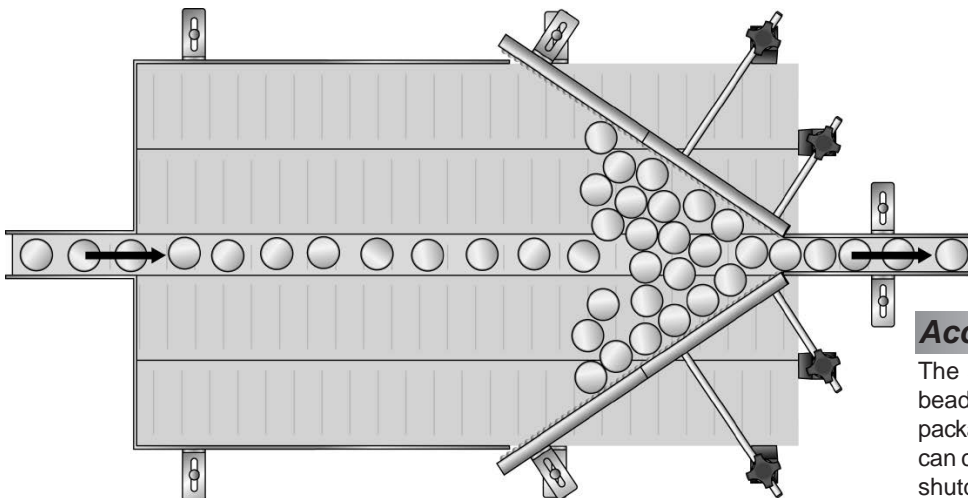
## Transfer

Smoothly guides containers from one conveyor to another, minimizing tipping and jams.



## Gravity Conveyor

Free moving beads or rollers, supported by steel pins and a heavy gauge steel channel, create a durable, low friction guiding surface.



## Accumulation Table

The smooth rolling surface of Valu Guide bead guides and combiners does not allow packages to create any friction points, which can cause jamming and possibly unwanted shutdown of the entire conveyor line.

687-1.4

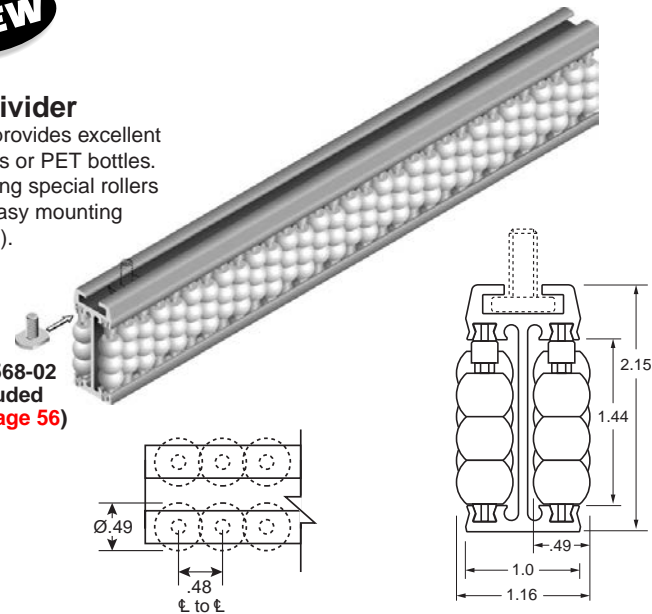
**NEW**

**SpeedRail SB™ Lane Divider**

Low friction beaded lane divider provides excellent guides for polywrapped containers or PET bottles. Can be cut to length and bent using special rollers and the Valu Guide rail bender. Easy mounting using VG-1568-02 bolts (included). Operating temperature range: -10°F to +180°F.

VG-1568-02 included (see page 56)

Patented Feature  
Patent No. 6,516,933

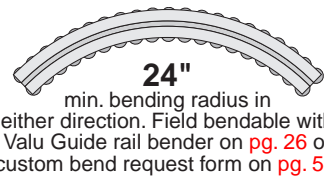


- Easy mounting
- Great for polywrapped containers or PET
- On-site bendable
- Cut to desired length

Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-687-1.4-02	3	2
VG-687-1.4-03	3	3
VG-687-1.4-04	3	4
VG-687-1.4-05	4	5
VG-687-1.4-06	4	6
VG-687-1.4-07	5	7
VG-687-1.4-08	5	8
VG-687-1.4-09	6	9
VG-687-1.4-10	6	10

\*Bolts included are VG-1568-02

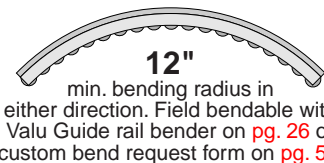


24" min. bending radius in either direction. Field bendable with Valu Guide rail bender on pg. 26 or custom bend request form on pg. 58.

Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-687H-1.4-02	3	2
VG-687H-1.4-03	3	3
VG-687H-1.4-04	3	4
VG-687H-1.4-05	4	5
VG-687H-1.4-06	4	6
VG-687H-1.4-07	5	7
VG-687H-1.4-08	5	8
VG-687H-1.4-09	6	9
VG-687H-1.4-10	6	10

\*Bolts included are VG-1568-02



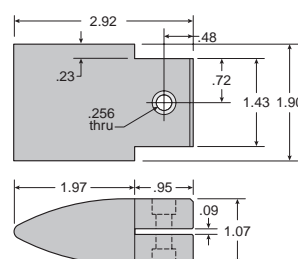
12" min. bending radius in either direction. Field bendable with Valu Guide rail bender on pg. 26 or custom bend request form on pg. 58.

687NP

**Nose Plow for SpeedRail SB™ Lane Divider**

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-687NP-1.4



687H-1.4

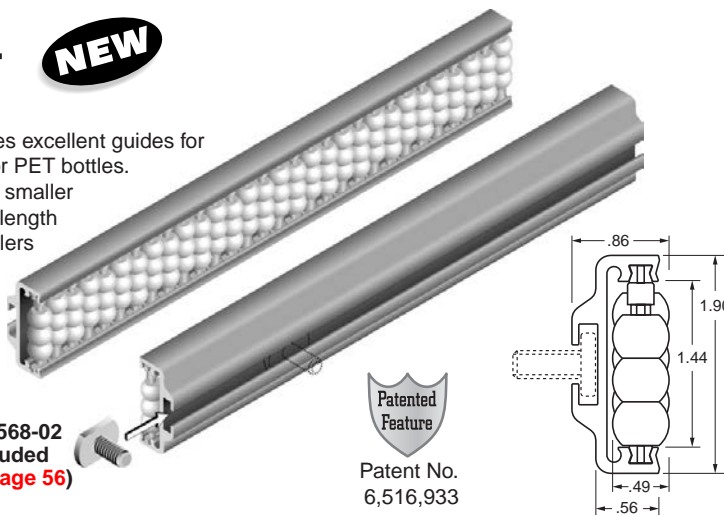
**NEW**

**SpeedRail SB™**

Low friction beads provides excellent guides for polywrapped containers or PET bottles. Smaller beads help guide smaller containers. Can be cut to length and bent using special rollers and the Valu Guide rail bender. Easy mounting using VG-1568-02 bolts (included). Operating temperature range: -10°F to +180°F.

VG-1568-02 included (see page 56)

Patented Feature  
Patent No. 6,516,933

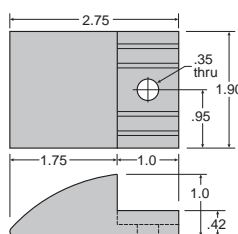


687SP

**Side Plow for SpeedRail SB™**

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-687SP-1.4

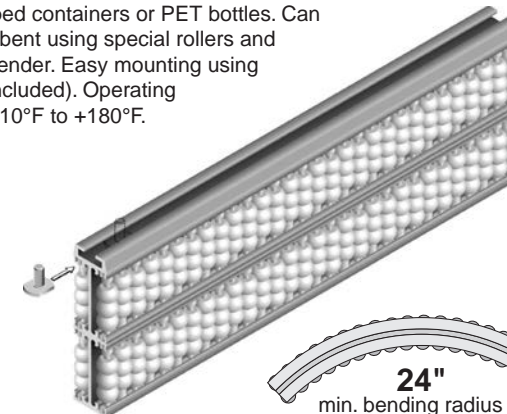


687-3.3 2-Strand SpeedRail SB™ Lane Divider

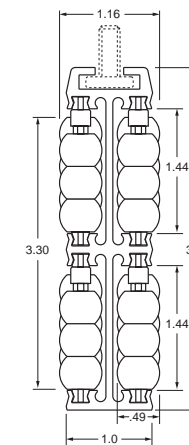
**NEW**

Low friction 2-sided beaded lane divider provide excellent guides for polywrapped containers or PET bottles. Can be cut to length and bent using special rollers and the Valu Guide rail bender. Easy mounting using VG-1568-02 bolts (included). Operating temperature range: -10°F to +180°F.

Patented Feature  
Patent No. 6,516,933



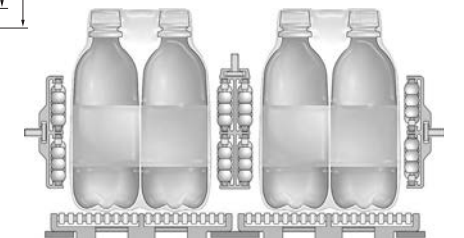
24" min. bending radius in either direction. See pg. 58 for custom bend request form.



Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-687-3.3-02	3	2
VG-687-3.3-03	3	3
VG-687-3.3-04	3	4
VG-687-3.3-05	4	5
VG-687-3.3-06	4	6
VG-687-3.3-07	5	7
VG-687-3.3-08	5	8
VG-687-3.3-09	6	9
VG-687-3.3-10	6	10

\*Bolts included are VG-1568-02

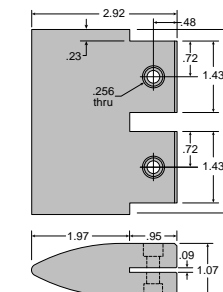
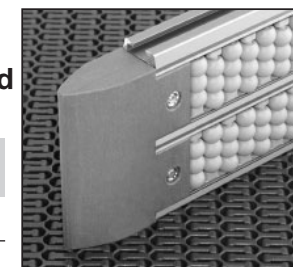


687NP

**Nose Plow for 2-Strand SpeedRail SB™**

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-687NP-3.3

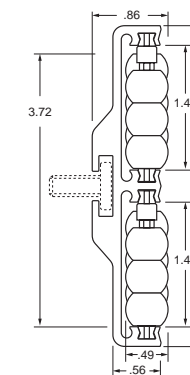
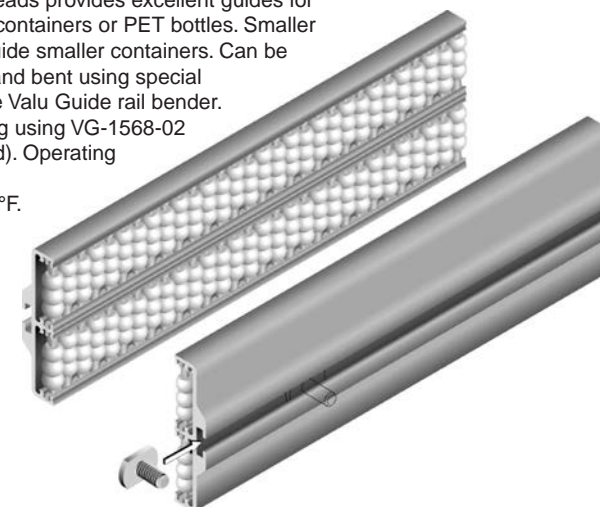


687H-3.3 2-Strand SpeedRail SB™

**NEW**

A wider bead guide used for carry surfaces or side rails. Low friction beads provides excellent guides for polywrapped containers or PET bottles. Smaller beads help guide smaller containers. Can be cut to length and bent using special rollers and the Valu Guide rail bender. Easy mounting using VG-1568-02 bolts (included). Operating temp. range: -10°F to +180°F.

Patented Feature  
Patent No. 6,516,933



Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-687H-3.3-02	3	2
VG-687H-3.3-03	3	3
VG-687H-3.3-04	3	4
VG-687H-3.3-05	4	5
VG-687H-3.3-06	4	6
VG-687H-3.3-07	5	7
VG-687H-3.3-08	5	8
VG-687H-3.3-09	6	9
VG-687H-3.3-10	6	10

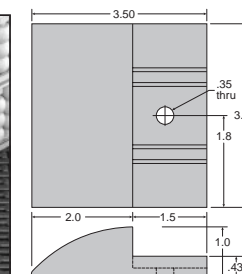
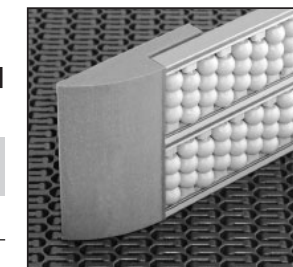
\*Bolts included are VG-1568-02

687SP

**Side Plow for 2-Strand SpeedRail SB™**

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-687SP-3.3



20" min. bending radius in either direction. See pg. 58 for custom bend request form.



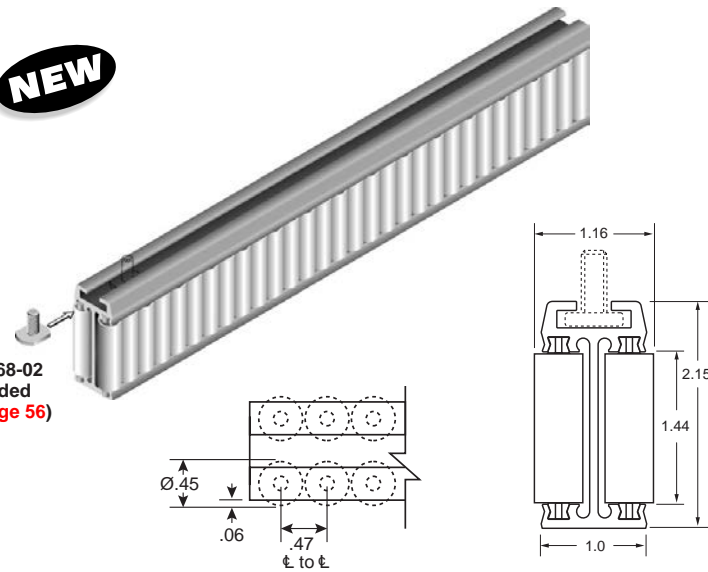
Low Friction  
Bead Guides

**688-1.4** **NEW**

**SpeedRoll™**  
Operating temperature  
range: -10°F to +180°F.

Patented  
Feature  
Patent No.  
6,516,933

VG-1568-02  
included  
(see page 56)

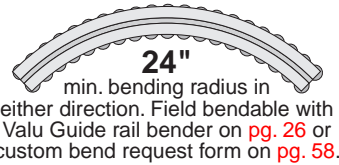


- Easy mounting
- Great for polywrapped containers or PET
- On-site bendable
- Cut to desired length

**Material:** Aluminum channel, FDA accepted engineered polymer pins, gray acetal rollers.

Part Number	No. of Bolts Included*	Length (ft.)
VG-688-1.4-02	3	2
VG-688-1.4-03	3	3
VG-688-1.4-04	3	4
VG-688-1.4-05	4	5
VG-688-1.4-06	4	6
VG-688-1.4-07	5	7
VG-688-1.4-08	5	8
VG-688-1.4-09	6	9
VG-688-1.4-10	6	10

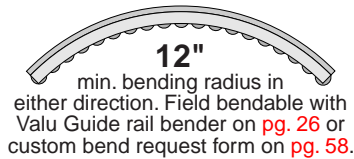
\*Bolts included are VG-1568-02



**Material:** Aluminum channel, FDA accepted engineered polymer pins, gray acetal rollers.

Part Number	No. of Bolts Included*	Length (ft.)
VG-688H-1.4-02	3	2
VG-688H-1.4-03	3	3
VG-688H-1.4-04	3	4
VG-688H-1.4-05	4	5
VG-688H-1.4-06	4	6
VG-688H-1.4-07	5	7
VG-688H-1.4-08	5	8
VG-688H-1.4-09	6	9
VG-688H-1.4-10	6	10

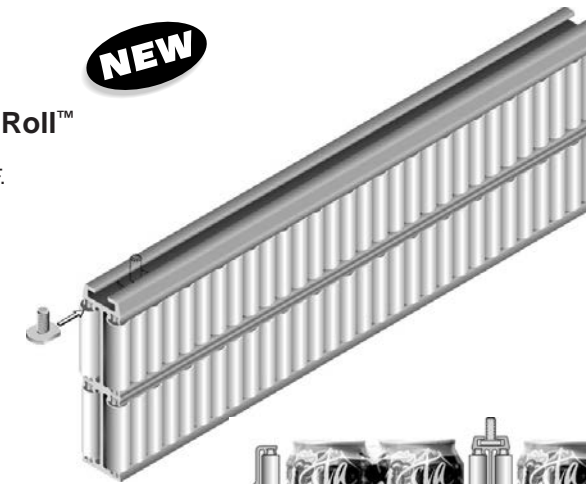
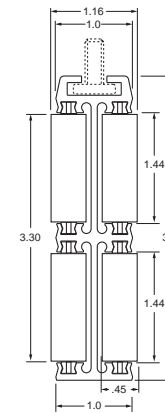
\*Bolts included are VG-1568-02



Low Friction  
Bead Guides

**688-3.3** **NEW**

**2-Strand SpeedRoll™**  
Operating temperature  
range: -10°F to +180°F.



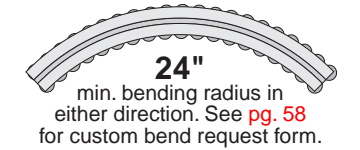
Patented  
Feature  
Patent No.  
6,516,933



**Material:** Aluminum channel, FDA accepted engineered polymer pins, gray acetal rollers.

Part Number	No. of Bolts Included*	Length (ft.)
VG-688-3.3-02	3	2
VG-688-3.3-03	3	3
VG-688-3.3-04	3	4
VG-688-3.3-05	4	5
VG-688-3.3-06	4	6
VG-688-3.3-07	5	7
VG-688-3.3-08	5	8
VG-688-3.3-09	6	9
VG-688-3.3-10	6	10

\*Bolts included are VG-1568-02

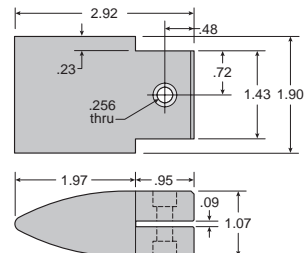


**687NP**

**Nose Plow for SpeedRoll™**

**Material:** Nolu-S with stainless steel fastener.

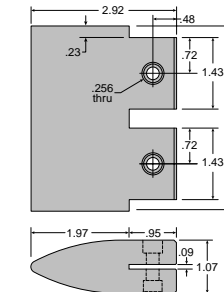
Part Number  
VG-687NP-1.4



**Nose Plow for SpeedRoll™**

**Material:** Nolu-S with stainless steel fastener.

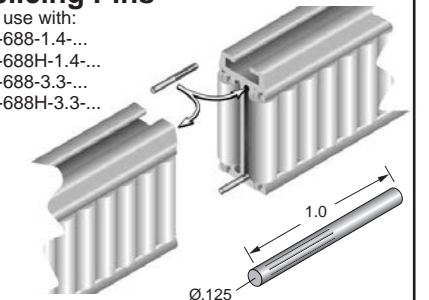
Part Number  
VG-687NP-3.3



**687SP**

**SpeedRoll™ Splicing Pins**

For use with:  
VG-688-1.4-...  
VG-688H-1.4-...  
VG-688-3.3-...  
VG-688H-3.3-...



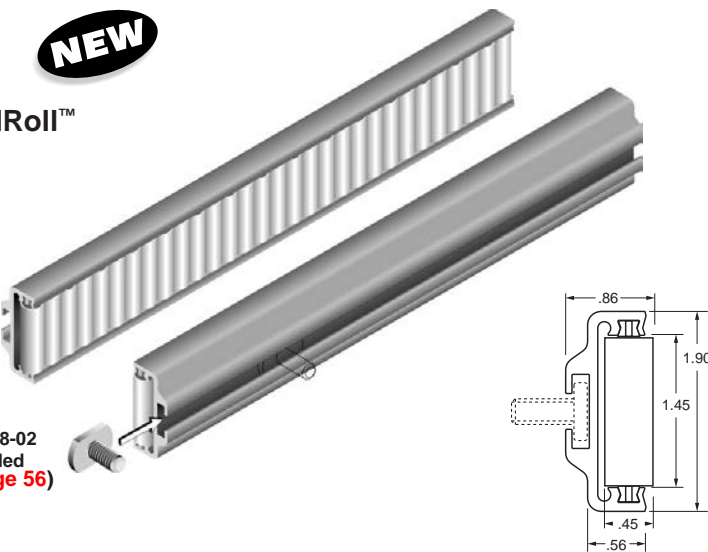
**Material:** Stainless steel.  
Part Number  
VG-687SP

**688H-1.4** **NEW**

**Aluminium SpeedRoll™**  
Operating temperature  
range: -10°F to +180°F.

Patented  
Feature  
Patent No.  
6,516,933

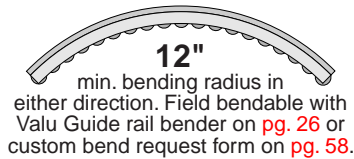
VG-1568-02  
included  
(see page 56)



**Material:** Aluminum channel, FDA accepted engineered polymer pins, gray acetal rollers.

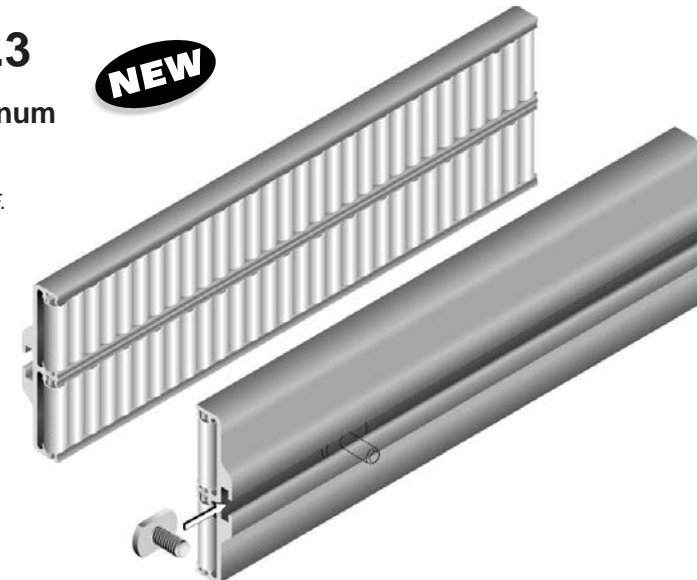
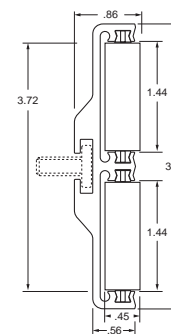
Part Number	No. of Bolts Included*	Length (ft.)
VG-688H-1.4-02	3	2
VG-688H-1.4-03	3	3
VG-688H-1.4-04	3	4
VG-688H-1.4-05	4	5
VG-688H-1.4-06	4	6
VG-688H-1.4-07	5	7
VG-688H-1.4-08	5	8
VG-688H-1.4-09	6	9
VG-688H-1.4-10	6	10

\*Bolts included are VG-1568-02



**688H-3.3** **NEW**

**2-Strand Aluminum SpeedRoll™**  
Operating temperature  
range: -10°F to +180°F.



**Material:** Aluminum channel, FDA accepted engineered polymer pins, gray acetal rollers.

Part Number	No. of Bolts Included*	Length (ft.)
VG-688H-3.3-02	3	2
VG-688H-3.3-03	3	3
VG-688H-3.3-04	3	4
VG-688H-3.3-05	4	5
VG-688H-3.3-06	4	6
VG-688H-3.3-07	5	7
VG-688H-3.3-08	5	8
VG-688H-3.3-09	6	9
VG-688H-3.3-10	6	10

\*Bolts included are VG-1568-02

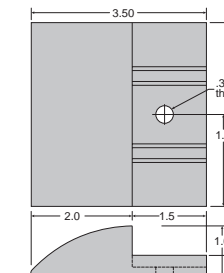
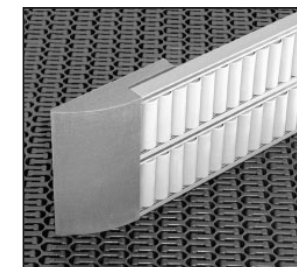


**687SP**

**Side Plow for SpeedRoll™**

**Material:** Nolu-S with stainless steel fastener.

Part Number  
VG-687SP-3.3



Patented  
Feature  
Patent No.  
6,516,933

## 686 SpeedRail

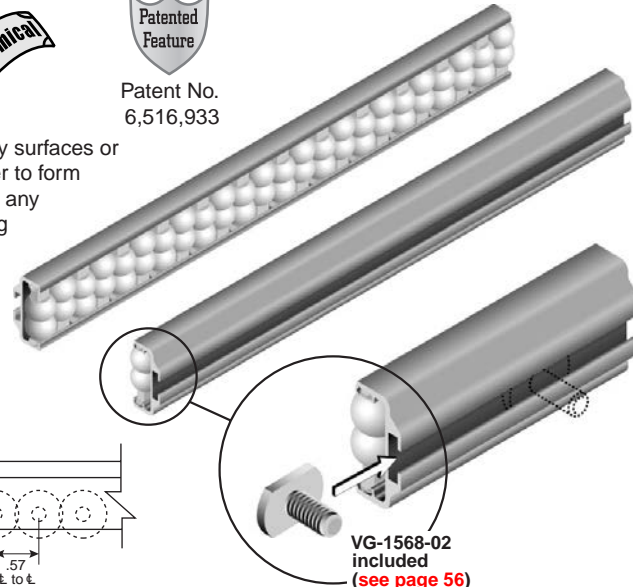
### 686A-1.25

#### SpeedRail™

Economical bead guide used for carry surfaces or side rails. Use Valu Guide Rail Bender to form inner and outer curves. Can be cut to any length between beads. Easy fastening frame slot for horizontal and vertical applications. Operating temperature range: -10°F to +180°F.



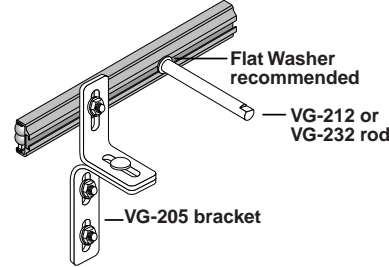
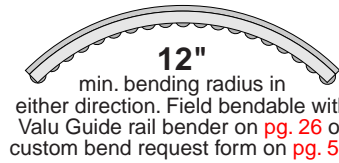
Patented Feature  
Patent No. 6,516,933



Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-686A-1.25-02	3	2
VG-686A-1.25-03	3	3
VG-686A-1.25-04	3	4
VG-686A-1.25-05	4	5
VG-686A-1.25-06	4	6
VG-686A-1.25-07	5	7
VG-686A-1.25-08	5	8
VG-686A-1.25-09	6	9
VG-686A-1.25-10	6	10

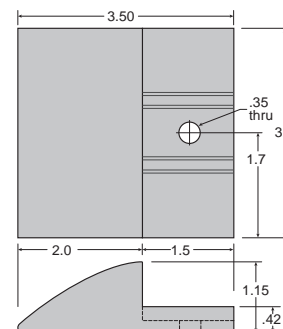
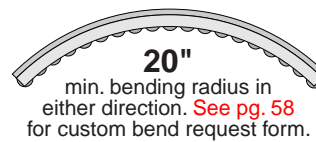
\*Bolts included are VG-1568-02



Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-686A-3.0-02	3	2
VG-686A-3.0-03	3	3
VG-686A-3.0-04	3	4
VG-686A-3.0-05	4	5
VG-686A-3.0-06	4	6
VG-686A-3.0-07	5	7
VG-686A-3.0-08	5	8
VG-686A-3.0-09	6	9
VG-686A-3.0-10	6	10

\*Bolts included are VG-1568-02



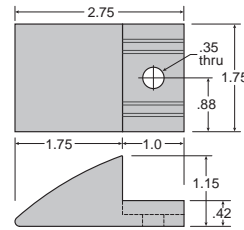
## 686 SpeedRail

### 686SP-1.25

#### Side Plow for SpeedRail™

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-686SP-1.25



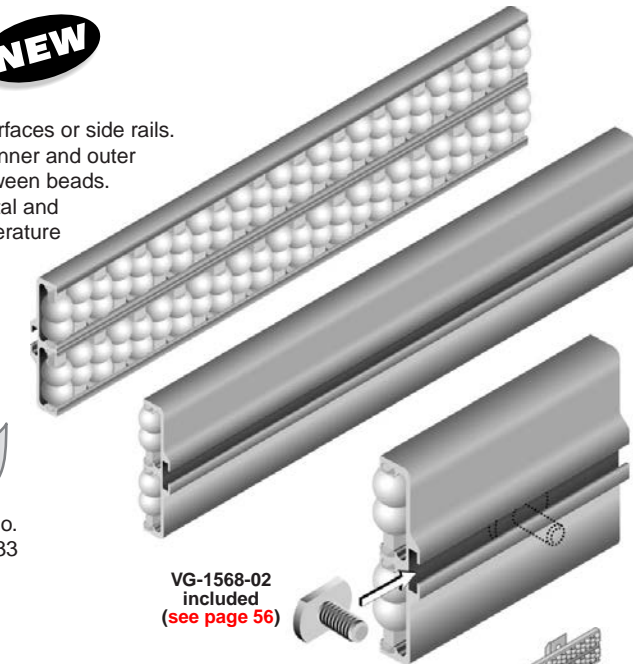
### 686A-3.0

#### 2-Strand SpeedRail™

A wider bead guide used for carry surfaces or side rails. Use Valu Guide Rail Bender to form inner and outer curves. Can be cut to any length between beads. Easy fastening frame slot for horizontal and vertical applications. Operating temperature range: -10°F to +180°F.



Patented Feature  
Patent No. 6,516,933

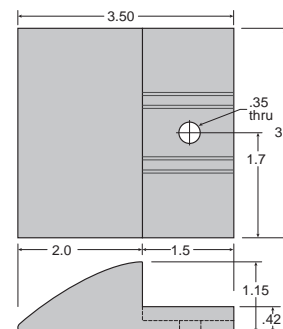
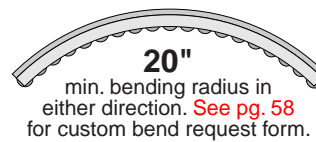


VG-1568-02 included (see page 56)

Material: Aluminum channel, FDA accepted engineered polymer pins, gray acetal beads.

Part Number	No. of Bolts Included*	Length (ft.)
VG-686A-3.0-02	3	2
VG-686A-3.0-03	3	3
VG-686A-3.0-04	3	4
VG-686A-3.0-05	4	5
VG-686A-3.0-06	4	6
VG-686A-3.0-07	5	7
VG-686A-3.0-08	5	8
VG-686A-3.0-09	6	9
VG-686A-3.0-10	6	10

\*Bolts included are VG-1568-02

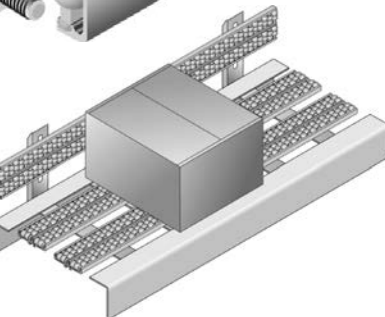
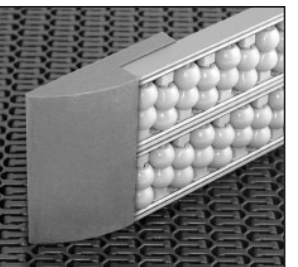


### 686SP-3.0

#### Side Plow for 2-Strand SpeedRail™

Material: Nolu-S with stainless steel fastener.

Part Number  
VG-686SP-3.0

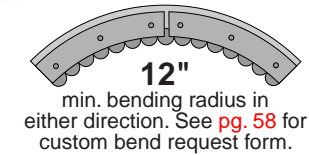
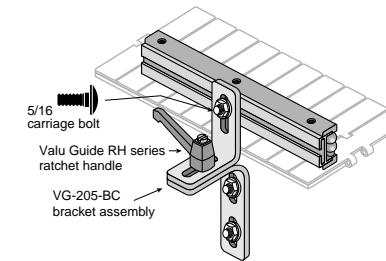
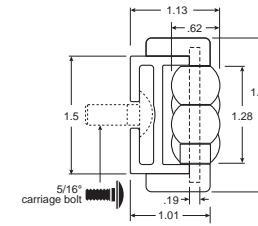


## 684 BeadRail

### BR-1.5

#### Aluminum Channel BeadRail™

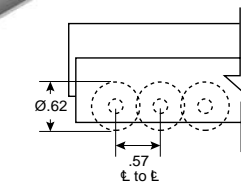
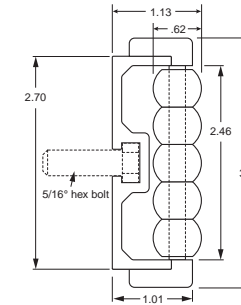
Economical bead guide used for carry surfaces or side rails. Easy fastening frame slot for horizontal and vertical applications. Operating temperature range: -4°F to +170°F.



### BR-3

#### 3 Inch Aluminum Channel BeadRail™

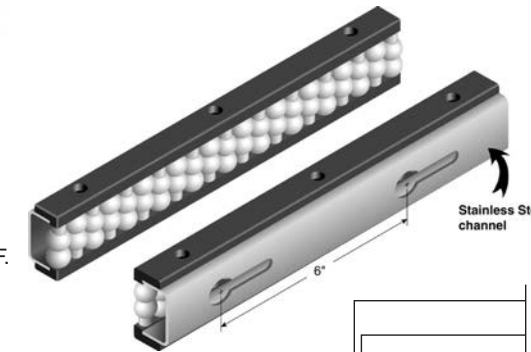
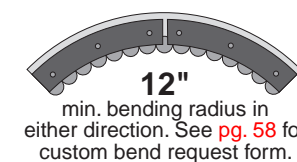
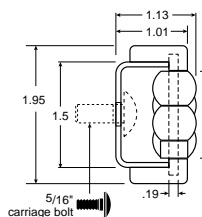
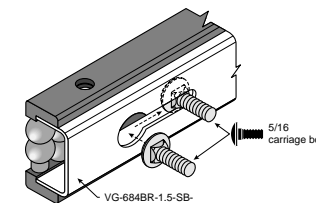
Economical bead guide used for carry surfaces or side rails. Easy fastening frame slot for horizontal and vertical applications. Operating temperature range: -4°F to +170°F.



### BR-1.5

#### Stainless Steel Channel BeadRail™

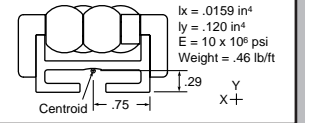
Economical bead guide used for carry surfaces or side rails. Easy fastening frame slots for horizontal and vertical applications. Operating temperature range: -4°F to +170°F.



Material: Aluminum channel, gray polyamide pin rails, carbon steel pins, gray acetal beads.

Part Number	Length (ft.)
VG-684BR-1.5-AB-02	2
VG-684BR-1.5-AB-03	3
VG-684BR-1.5-AB-04	4
VG-684BR-1.5-AB-05	5
VG-684BR-1.5-AB-06	6
VG-684BR-1.5-AB-07	7
VG-684BR-1.5-AB-08	8
VG-684BR-1.5-AB-09	9
VG-684BR-1.5-AB-10	10

#### Bending Moment of Inertia for VG-684BR-1.5-AB-



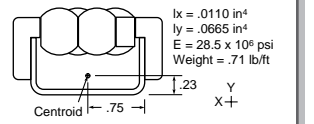
Material: Aluminum channel, gray polyamide pin rails, carbon steel pins, gray acetal beads.

Part Number	Length (ft.)
VG-684BR-3-AB-02	2
VG-684BR-3-AB-03	3
VG-684BR-3-AB-04	4
VG-684BR-3-AB-05	5
VG-684BR-3-AB-06	6
VG-684BR-3-AB-07	7
VG-684BR-3-AB-08	8
VG-684BR-3-AB-09	9
VG-684BR-3-AB-10	10

Material: 14 ga. Stainless steel channel, black polyamide pin rails, stainless steel pins, tan acetal beads.

Part Number	Length (ft.)
VG-684BR-1.5-SB-02	2
VG-684BR-1.5-SB-03	3
VG-684BR-1.5-SB-04	4
VG-684BR-1.5-SB-05	5
VG-684BR-1.5-SB-06	6
VG-684BR-1.5-SB-07	7
VG-684BR-1.5-SB-08	8
VG-684BR-1.5-SB-09	9
VG-684BR-1.5-SB-10	10

#### Bending Moment of Inertia for VG-684BR-1.5-SB-



# 684 BeadWall



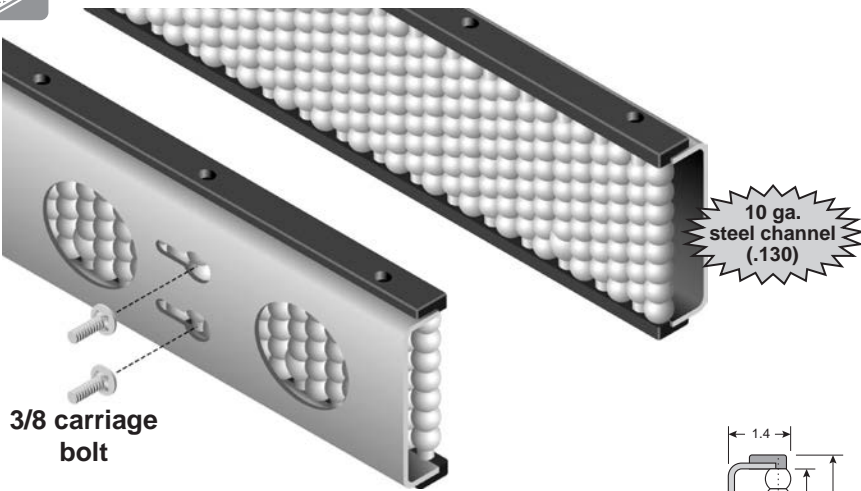
## 684

### BeadWall

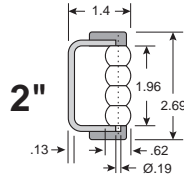
Low friction guiding surface with high density bead pattern. Excellent for combiner or accumulation areas. Operating temperature range: -4°F to +170°F.

**Material:** 10 ga. steel channel, polyamide pin rails, stainless steel pins, acetal beads.

Low Friction Bead Guides



3/8 carriage bolt

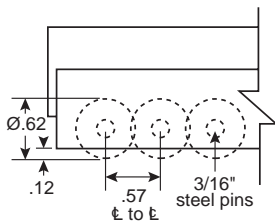
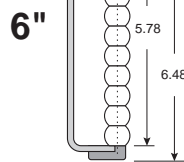
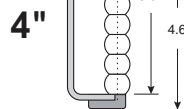
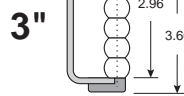
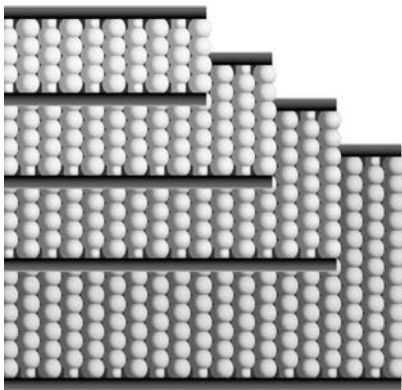


VG-684-SS-2  
VG-684-PL-2

VG-684-SS-3  
VG-684-PL-3

VG-684-SS-4  
VG-684-PL-4

VG-684-SS-6  
VG-684-PL-6



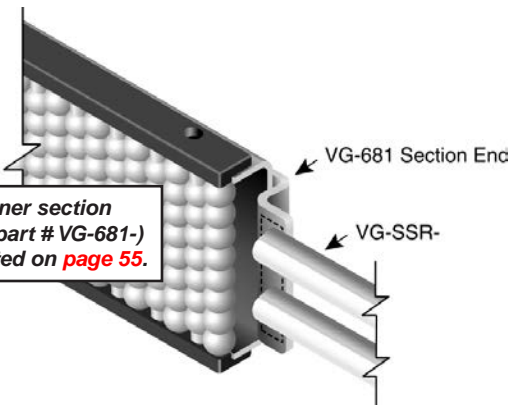
Stainless Channel	Plated Channel	Length (ft.)	Height (in.)
VG-684-SS-2-02	VG-684-PL-2-02	2	2
VG-684-SS-2-03	VG-684-PL-2-03	3	2
VG-684-SS-2-04	VG-684-PL-2-04	4	2
VG-684-SS-2-05	VG-684-PL-2-05	5	2
VG-684-SS-2-06	VG-684-PL-2-06	6	2
VG-684-SS-2-07	VG-684-PL-2-07	7	2
VG-684-SS-2-08	VG-684-PL-2-08	8	2
VG-684-SS-2-10	VG-684-PL-2-10	10	2

VG-684-SS-3-02	VG-684-PL-3-02	2	3
VG-684-SS-3-03	VG-684-PL-3-03	3	3
VG-684-SS-3-04	VG-684-PL-3-04	4	3
VG-684-SS-3-05	VG-684-PL-3-05	5	3
VG-684-SS-3-06	VG-684-PL-3-06	6	3
VG-684-SS-3-07	VG-684-PL-3-07	7	3
VG-684-SS-3-08	VG-684-PL-3-08	8	3
VG-684-SS-3-10	VG-684-PL-3-10	10	3

VG-684-SS-4-02	VG-684-PL-4-02	2	4
VG-684-SS-4-03	VG-684-PL-4-03	3	4
VG-684-SS-4-04	VG-684-PL-4-04	4	4
VG-684-SS-4-05	VG-684-PL-4-05	5	4
VG-684-SS-4-06	VG-684-PL-4-06	6	4
VG-684-SS-4-07	VG-684-PL-4-07	7	4
VG-684-SS-4-08	VG-684-PL-4-08	8	4
VG-684-SS-4-10	VG-684-PL-4-10	10	4

VG-684-SS-6-02	VG-684-PL-6-02	2	6
VG-684-SS-6-03	VG-684-PL-6-03	3	6
VG-684-SS-6-04	VG-684-PL-6-04	4	6
VG-684-SS-6-05	VG-684-PL-6-05	5	6
VG-684-SS-6-06	VG-684-PL-6-06	6	6
VG-684-SS-6-07	VG-684-PL-6-07	7	6
VG-684-SS-6-08	VG-684-PL-6-08	8	6
VG-684-SS-6-10	VG-684-PL-6-10	10	6

Combiner section ends (part # VG-681-) are listed on [page 55](#).



18" min. bending radius in either direction. See [pg. 58](#) for custom bend request form.

# 685 Heavy Duty BeadWall

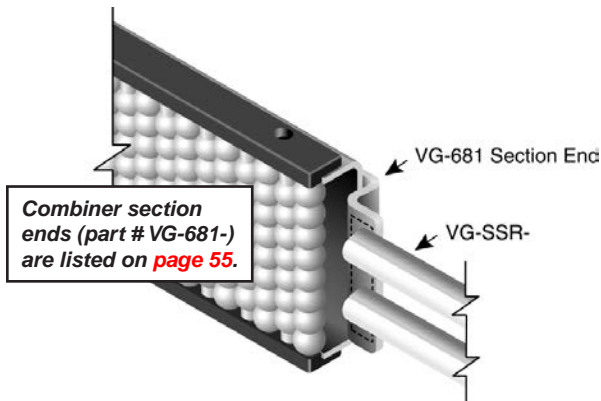
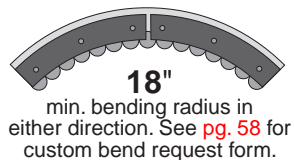
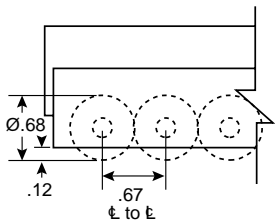
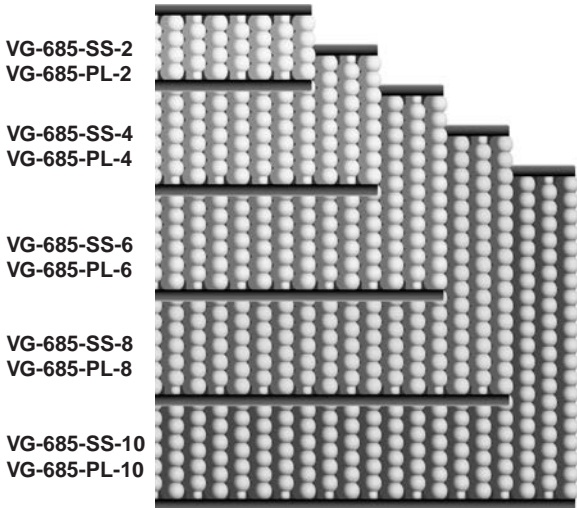
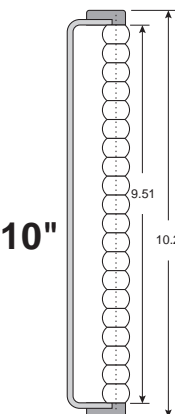
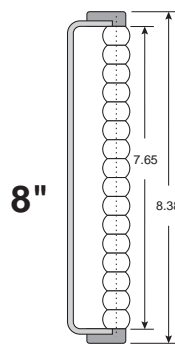
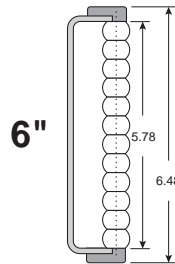
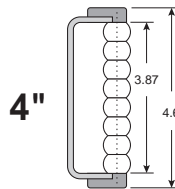
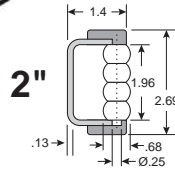
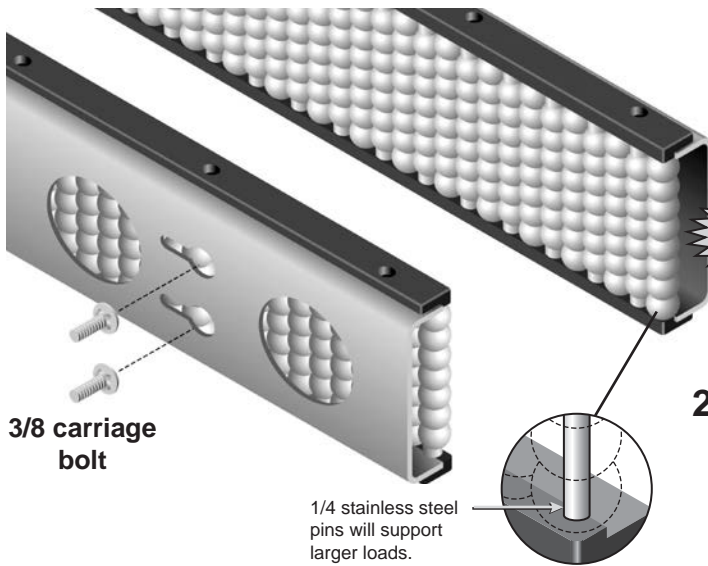


## 685

### Heavy Duty BeadWall

Low friction guiding surface with high density bead pattern. Larger bead on larger pins accommodate larger load capacities. Excellent for combiner or accumulation areas. Operating temperature range: -4°F to +170°F.

**Material:** 10 ga. steel channel, polyamide pin rails, stainless steel pins, acetal rollers.



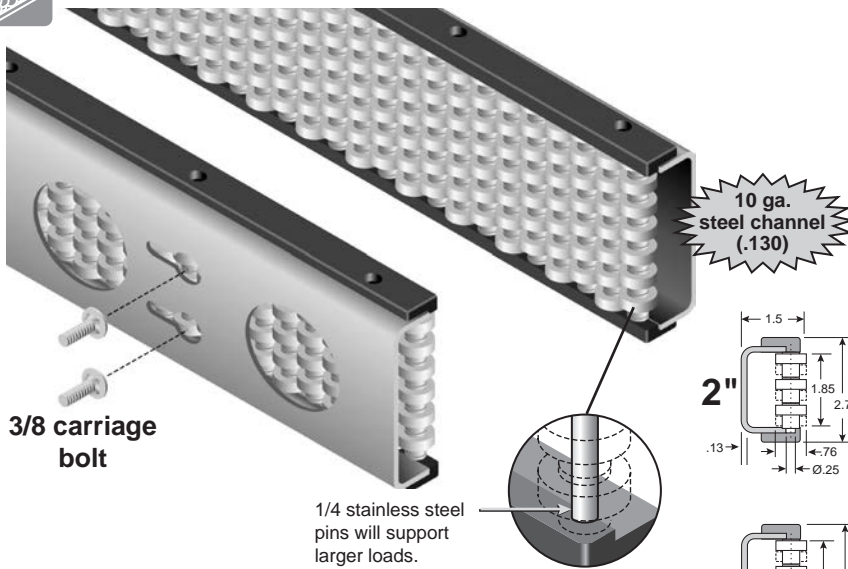
Stainless Channel	Plated Channel	Length (ft.)	Height (in.)
VG-685-SS-2-02	VG-685-PL-2-02	2	2
VG-685-SS-2-03	VG-685-PL-2-03	3	2
VG-685-SS-2-04	VG-685-PL-2-04	4	2
VG-685-SS-2-05	VG-685-PL-2-05	5	2
VG-685-SS-2-06	VG-685-PL-2-06	6	2
VG-685-SS-2-07	VG-685-PL-2-07	7	2
VG-685-SS-2-08	VG-685-PL-2-08	8	2
VG-685-SS-2-10	VG-685-PL-2-10	10	2
VG-685-SS-4-02	VG-685-PL-4-02	2	4
VG-685-SS-4-03	VG-685-PL-4-03	3	4
VG-685-SS-4-04	VG-685-PL-4-04	4	4
VG-685-SS-4-05	VG-685-PL-4-05	5	4
VG-685-SS-4-06	VG-685-PL-4-06	6	4
VG-685-SS-4-07	VG-685-PL-4-07	7	4
VG-685-SS-4-08	VG-685-PL-4-08	8	4
VG-685-SS-4-10	VG-685-PL-4-10	10	4
VG-685-SS-6-02	VG-685-PL-6-02	2	6
VG-685-SS-6-03	VG-685-PL-6-03	3	6
VG-685-SS-6-04	VG-685-PL-6-04	4	6
VG-685-SS-6-05	VG-685-PL-6-05	5	6
VG-685-SS-6-06	VG-685-PL-6-06	6	6
VG-685-SS-6-07	VG-685-PL-6-07	7	6
VG-685-SS-6-08	VG-685-PL-6-08	8	6
VG-685-SS-6-10	VG-685-PL-6-10	10	6
VG-685-SS-8-02	VG-685-PL-8-02	2	8
VG-685-SS-8-03	VG-685-PL-8-03	3	8
VG-685-SS-8-04	VG-685-PL-8-04	4	8
VG-685-SS-8-05	VG-685-PL-8-05	5	8
VG-685-SS-8-06	VG-685-PL-8-06	6	8
VG-685-SS-8-07	VG-685-PL-8-07	7	8
VG-685-SS-8-08	VG-685-PL-8-08	8	8
VG-685-SS-8-10	VG-685-PL-8-10	10	8
VG-685-SS-10-02	VG-685-PL-10-02	2	10
VG-685-SS-10-03	VG-685-PL-10-03	3	10
VG-685-SS-10-04	VG-685-PL-10-04	4	10
VG-685-SS-10-05	VG-685-PL-10-05	5	10
VG-685-SS-10-06	VG-685-PL-10-06	6	10
VG-685-SS-10-07	VG-685-PL-10-07	7	10
VG-685-SS-10-08	VG-685-PL-10-08	8	10
VG-685-SS-10-10	VG-685-PL-10-10	10	10

Low Friction Bead Guides

# 682 Roller Combiner



Low Friction  
Bead Guides



3/8 carriage bolt

1/4 stainless steel pins will support larger loads.

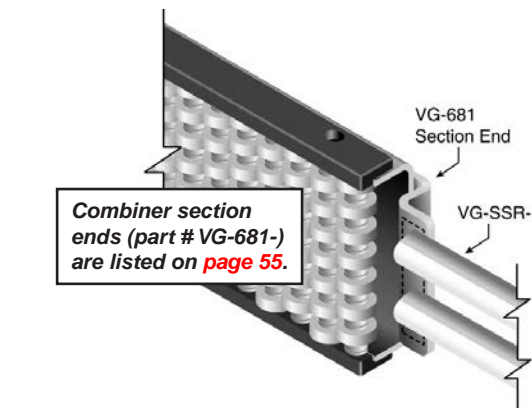
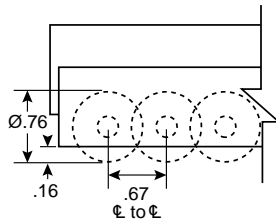
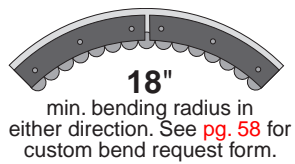
VG-682-SS-2  
VG-682-PL-2

VG-682-SS-4  
VG-682-PL-4

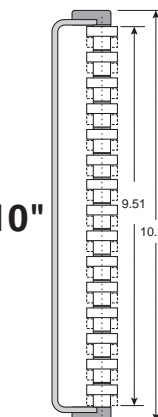
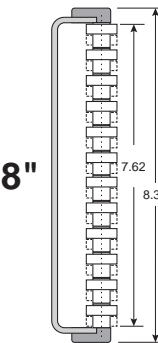
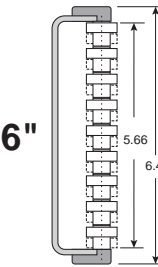
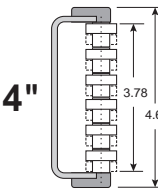
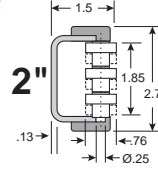
VG-682-SS-6  
VG-682-PL-6

VG-682-SS-8  
VG-682-PL-8

VG-682-SS-10  
VG-682-PL-10



10 ga. steel channel (.130)



## 682

### Roller Combiner

Low friction guiding surface. Excellent for combiner or accumulation areas.  
Operating temperature range: -4°F to +170°F.

**Material:** 10 ga. steel channel, polyamide pin rails, stainless steel pins, acetal beads.

Stainless Channel	Plated Channel	Length (ft.)	Height (in.)
VG-682-SS-2-2	VG-682-PL-2-2	2	2
VG-682-SS-2-3	VG-682-PL-2-3	3	2
VG-682-SS-2-4	VG-682-PL-2-4	4	2
VG-682-SS-2-5	VG-682-PL-2-5	5	2
VG-682-SS-2-6	VG-682-PL-2-6	6	2
VG-682-SS-2-7	VG-682-PL-2-7	7	2
VG-682-SS-2-8	VG-682-PL-2-8	8	2
VG-682-SS-2-10	VG-682-PL-2-10	10	2
VG-682-SS-4-2	VG-682-PL-4-2	2	4
VG-682-SS-4-3	VG-682-PL-4-3	3	4
VG-682-SS-4-4	VG-682-PL-4-4	4	4
VG-682-SS-4-5	VG-682-PL-4-5	5	4
VG-682-SS-4-6	VG-682-PL-4-6	6	4
VG-682-SS-4-7	VG-682-PL-4-7	7	4
VG-682-SS-4-8	VG-682-PL-4-8	8	4
VG-682-SS-4-10	VG-682-PL-4-10	10	4
VG-682-SS-6-2	VG-682-PL-6-2	2	6
VG-682-SS-6-3	VG-682-PL-6-3	3	6
VG-682-SS-6-4	VG-682-PL-6-4	4	6
VG-682-SS-6-5	VG-682-PL-6-5	5	6
VG-682-SS-6-6	VG-682-PL-6-6	6	6
VG-682-SS-6-7	VG-682-PL-6-7	7	6
VG-682-SS-6-8	VG-682-PL-6-8	8	6
VG-682-SS-6-10	VG-682-PL-6-10	10	6
VG-682-SS-8-2	VG-682-PL-8-2	2	8
VG-682-SS-8-3	VG-682-PL-8-3	3	8
VG-682-SS-8-4	VG-682-PL-8-4	4	8
VG-682-SS-8-5	VG-682-PL-8-5	5	8
VG-682-SS-8-6	VG-682-PL-8-6	6	8
VG-682-SS-8-7	VG-682-PL-8-7	7	8
VG-682-SS-8-8	VG-682-PL-8-8	8	8
VG-682-SS-8-10	VG-682-PL-8-10	10	8
VG-682-SS-10-2	VG-682-PL-10-2	2	10
VG-682-SS-10-3	VG-682-PL-10-3	3	10
VG-682-SS-10-4	VG-682-PL-10-4	4	10
VG-682-SS-10-5	VG-682-PL-10-5	5	10
VG-682-SS-10-6	VG-682-PL-10-6	6	10
VG-682-SS-10-7	VG-682-PL-10-7	7	10
VG-682-SS-10-8	VG-682-PL-10-8	8	10
VG-682-SS-10-10	VG-682-PL-10-10	10	10

# Ultra Heavy Duty Combiner Bracket



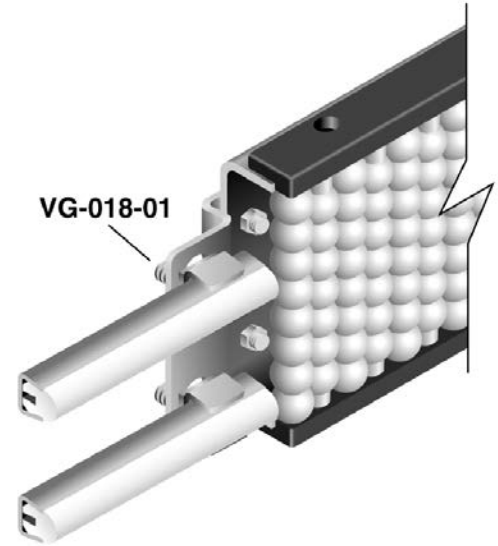
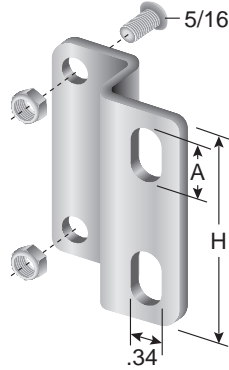
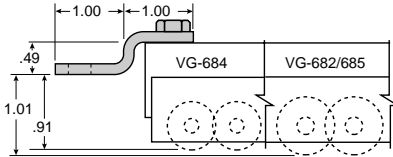
## 681

### Combiner Section Ends

Sold as pairs. Section Ends can be bolted to the BeadWall or Roller Combiner frame.

**Material:** 10 ga. 304 stainless steel.

Part Number	Height (H)	Slot (A)	No. of Slots
VG-681-2	1.75	1.25	1
VG-681-3	2.75	.75	2
VG-681-4	3.75	1	2
VG-681-6	5.38	1.25	2



Low Friction  
Bead Guides

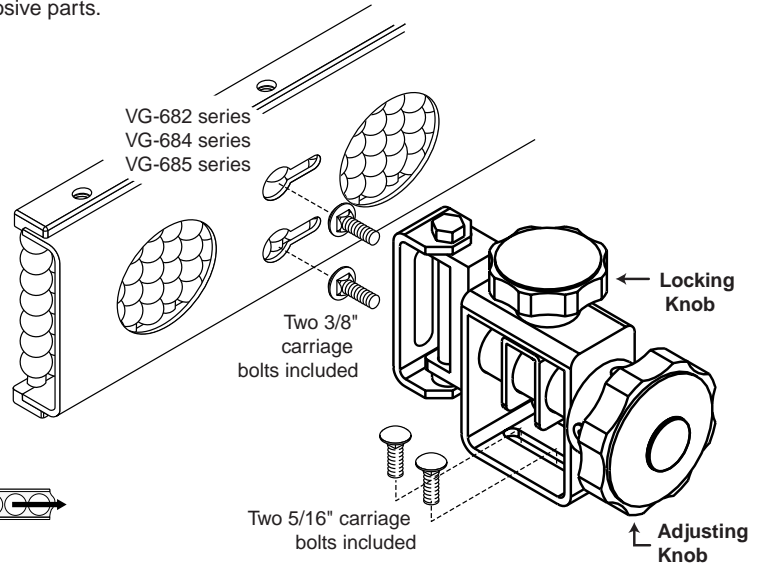
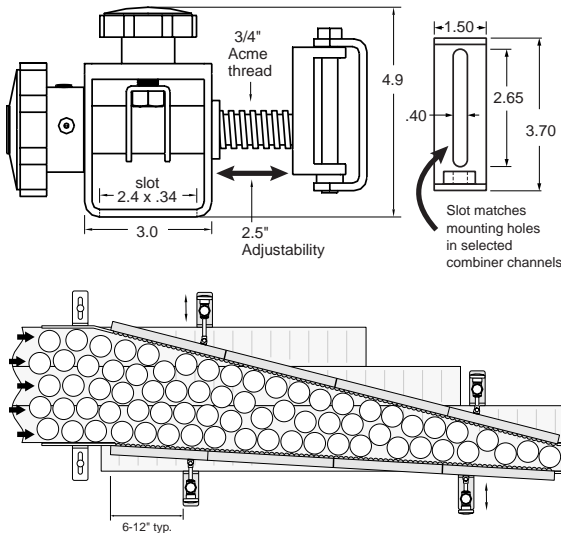
## 262

### Ultra Heavy Duty Combiner Bracket

Easy, accurate, adjustable support for BeadWall or Roller Combiners up to 4" size. **Adjust while line is running.** All heavy duty stainless and noncorrosive parts.

**Material:** Stainless steel and ABS plastic knobs.

Part Number	Mounting Slot (in.)
VG-262-CS-53	2.65



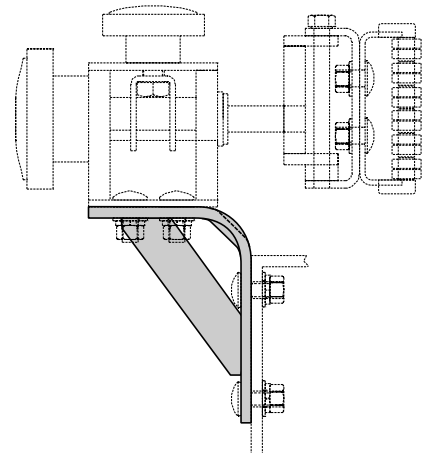
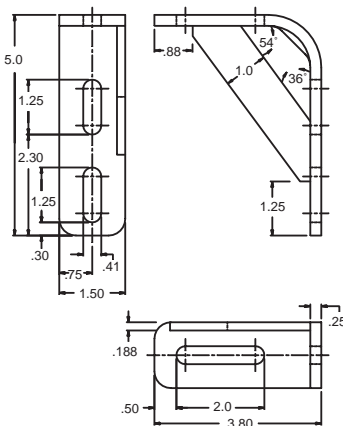
## 205-G

### Braced Angle Bracket

Heavy duty base for VG-262 combiner bracket. 1/4" thick stainless steel. Built-in angled brace for maximum support of heavy loads.

**Material:** 304 stainless steel.

Part Number
VG-205-G-14-S





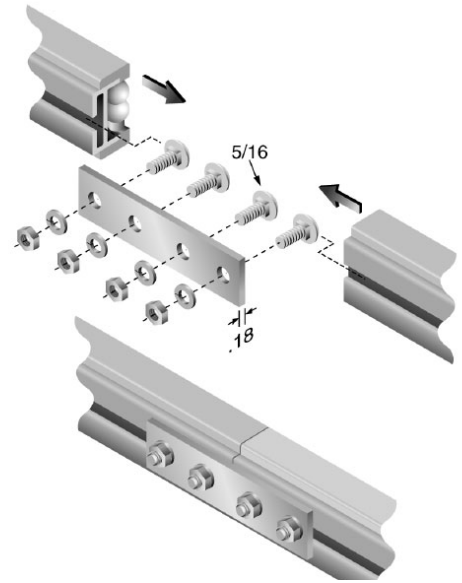
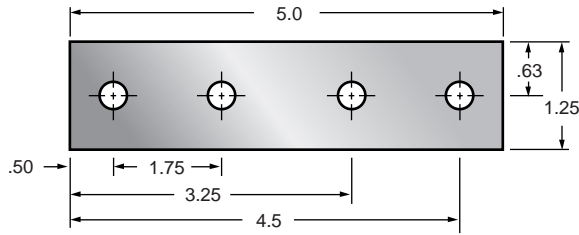
# Combiner Accessories

For Aluminum Channels...

## 117

### BeadRail™ & SpeedRail™ Splice Kits

Used for joining two sections of aluminum channel BeadRail or SpeedRail. Hardware included.



**Material:** Zinc plated steel.

Part Number	Compatibility	Fastener
VG-117-50125	1-1/2" Alum. Bead Rail (pg 51)	carriage bolt
VG-117-H50125	3" Alum. Bead Rail (pg 51)	hex head bolt
VG-117-T50125	Speed Rail (pg 46)	T-bolt (stainless)

Low Friction Bead Guides

For Corner Rod Attachment...

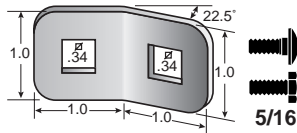
## 040

### BeadRail™ & SpeedRail™ Corner Clip

Allows Valu Guide jointed adjusting rods to be installed with articulation on the same plane as BeadRail, SpeedRail, or standard adjusting rods to be installed parallel.

**Material:** Stainless steel.

Part Number
VG-040-01



VG-212 or VG-232 Stainless Steel Rods

For Lane Dividers...

## 687LDB

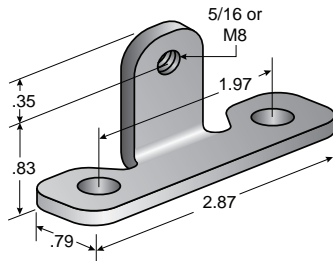
### Lane Divider Bracket

Mounts to 687 series or 688 series lane dividers using provided T-Head bolts. Allows for easy attachment to any lane divider support using a 5/16 or M8 fastener.

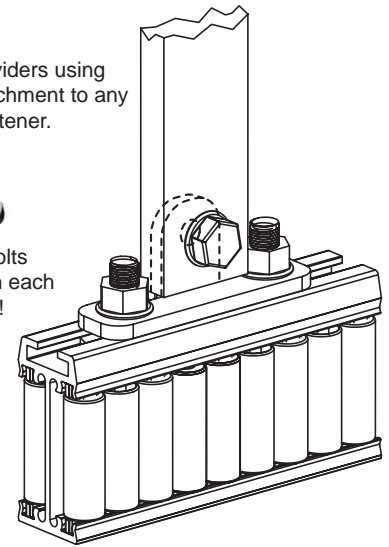
**Material:** Stainless steel.

Part Number
VG-687LDB-516
VG-687LDB-M8

**NEW**



T-Head Bolts included with each bracket!



For Steel Channels...

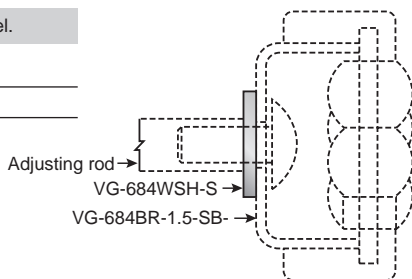
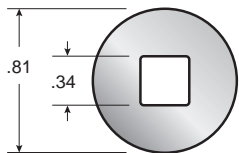
## 684WSH

### BeadRail™ Washer

Washer required for applications using a tapped adjusting rod.

**Material:** Stainless steel.

Part Number
VG-684WSH-S



For Aluminum Channels...

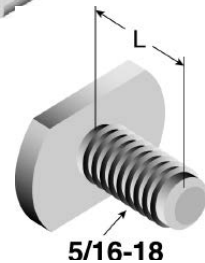
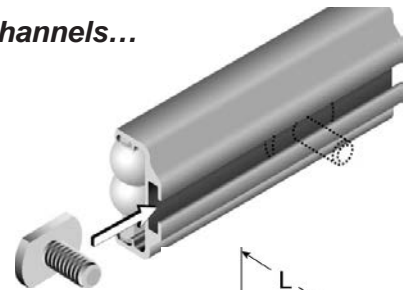
## 1568

### T-head bolts

Included with the SpeedRail and SpeedRoll combiners.

**Material:** Stainless steel.

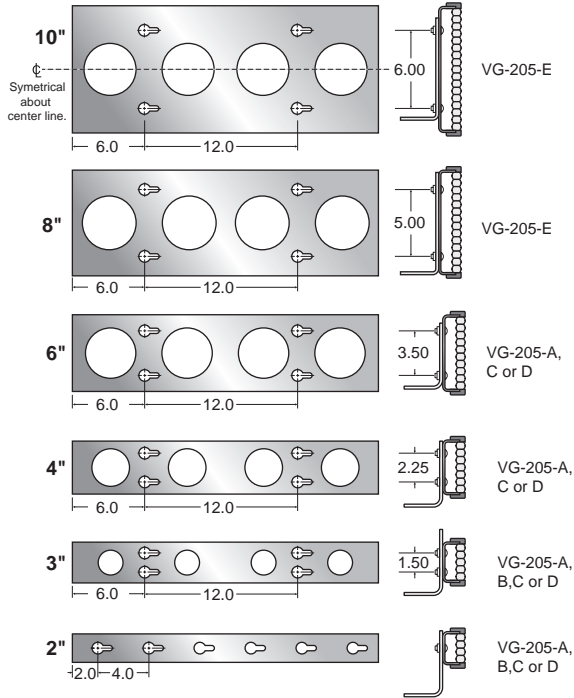
Part Number	L
VG-1568-01	.64
VG-1568-02	.76
VG-1568-03	1.01
VG-1568-04	1.26



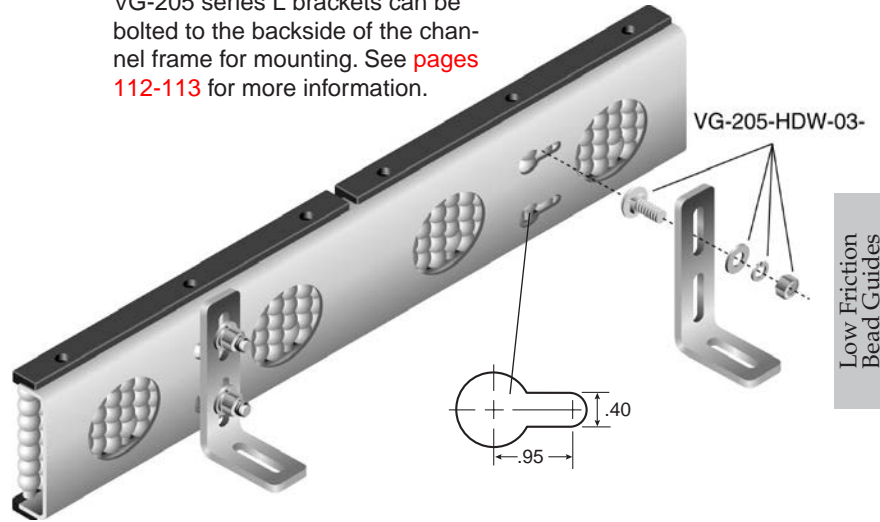
# Technical Information for BeadWall, BeadRail, and Roller Combiner



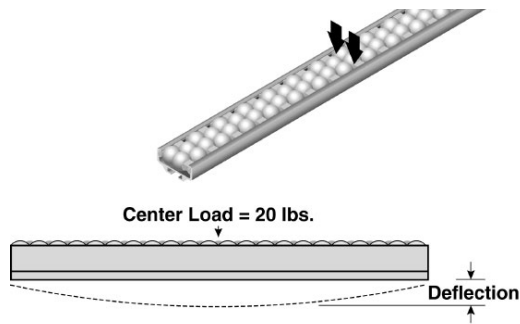
## Combiner frame hole patterns and recommended VG-205 mounting brackets



VG-205 series L brackets can be bolted to the backside of the channel frame for mounting. See pages 112-113 for more information.

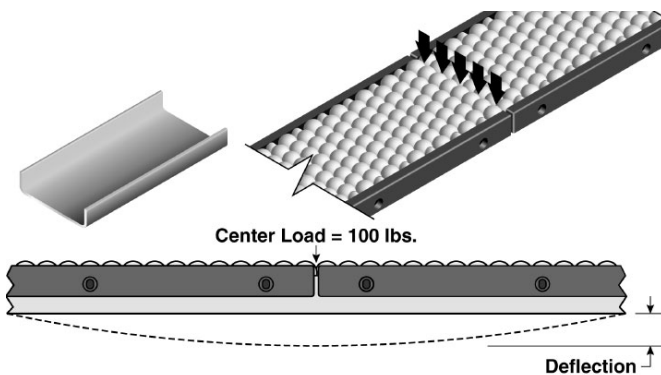


Low Friction Bead Guides



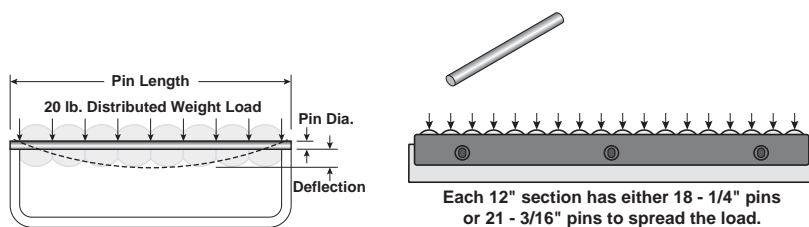
## Aluminum Channel Bead Guides

Part Number	Maximum Deflection		Moment of Inertia
	24 Length	36 Length	
VG-686A-1.25	.007	.024	.020
VG-686A-3.0	.005	.016	.030
VG-687-1.4	.010	.034	.014
VG-687-3.3	.006	.019	.025
VG-688-1.4	.010	.034	.014
VG-688-3.3	.006	.019	.025
VG-684BR-1.5-AB	.009	.031	.016
VG-684BR-3-AB	.007	.024	.020



## Steel Channel Bead Guides

10 gauge Channel Height	Maximum Deflection		Moment of Inertia
	24 Length	36 Length	
2 inches	.005	.017	.048
3 inches	.005	.016	.053
4 inches	.004	.015	.057
6 inches	.004	.014	.061
8 inches	.004	.013	.064
10 inches	.004	.013	.066



## Single Metal Pins

Pin Length in Inches	Maximum Pin Deflection	
	3/16 dia.	1/4 dia.
2	.001	0
3	.004	n/a
4	.009	.003
6	.031	.01
8	n/a	.023
10	n/a	.045





# Custom Bead Guide Bending Request

Solus will be pleased to quote on custom bending of our bead guides to your special requirements. This page may be copied and used to send us your specifications. For assistance, please contact Solus customer service:

phone: 866-765-8744 fax: 866-447-6587

Person Requesting Custom Information \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_

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

Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

## Single Bends

If available, please include a detailed drawing of desired bend.

BASE PART NUMBER: \_\_\_\_\_ (example: VG-684-PI-6-)

RADIUS OF BEND (R): \_\_\_\_\_ inches

ANGLE OF BEND (D): \_\_\_\_\_ degrees

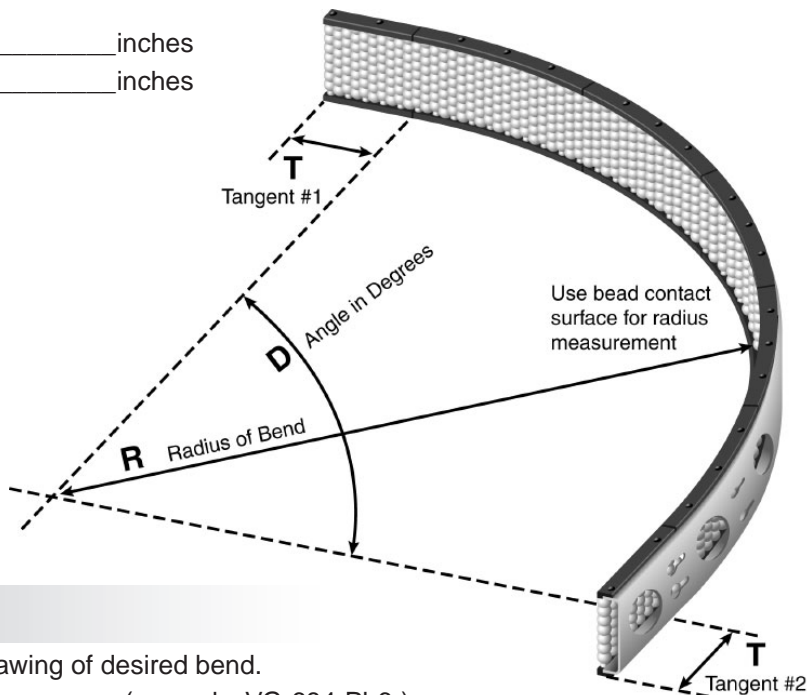
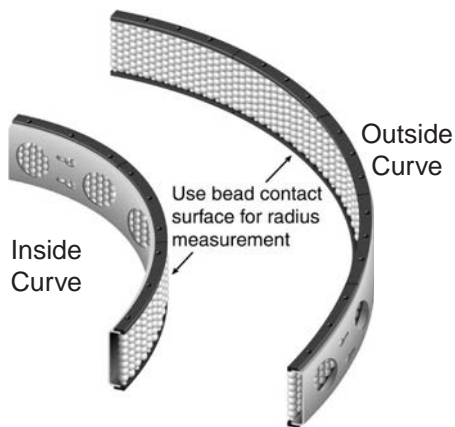
QUANTITY: \_\_\_\_\_ pieces

TYPE OF BEND:  Inside Curve  Outside Curve

Our manufacturing process typically requires the inclusion of 3 to 6 inch tangents on each end of the curve. There is no additional cost for this. If specific tangents are required, please indicate below.

TANGENT LENGTH (T1): \_\_\_\_\_ inches

TANGENT LENGTH (T2): \_\_\_\_\_ inches



## S-Curve Bends

If available, please include a detailed drawing of desired bend.

BASE PART NUMBER: \_\_\_\_\_ (example: VG-684-PI-6-)

RADIUS OF BEND (R1): \_\_\_\_\_ inches

RADIUS OF BEND (R2): \_\_\_\_\_ inches

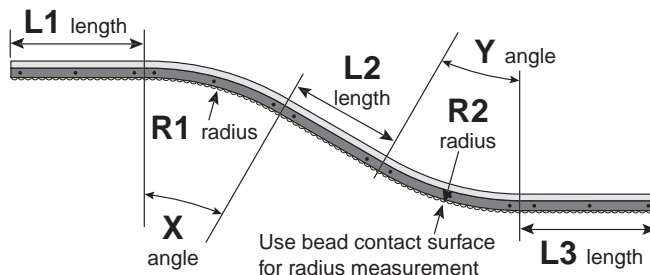
ANGLE OF BEND (X): \_\_\_\_\_ degrees

ANGLE OF BEND (Y): \_\_\_\_\_ degrees

LENGTH (L1): \_\_\_\_\_ inches

LENGTH (L2): \_\_\_\_\_ inches

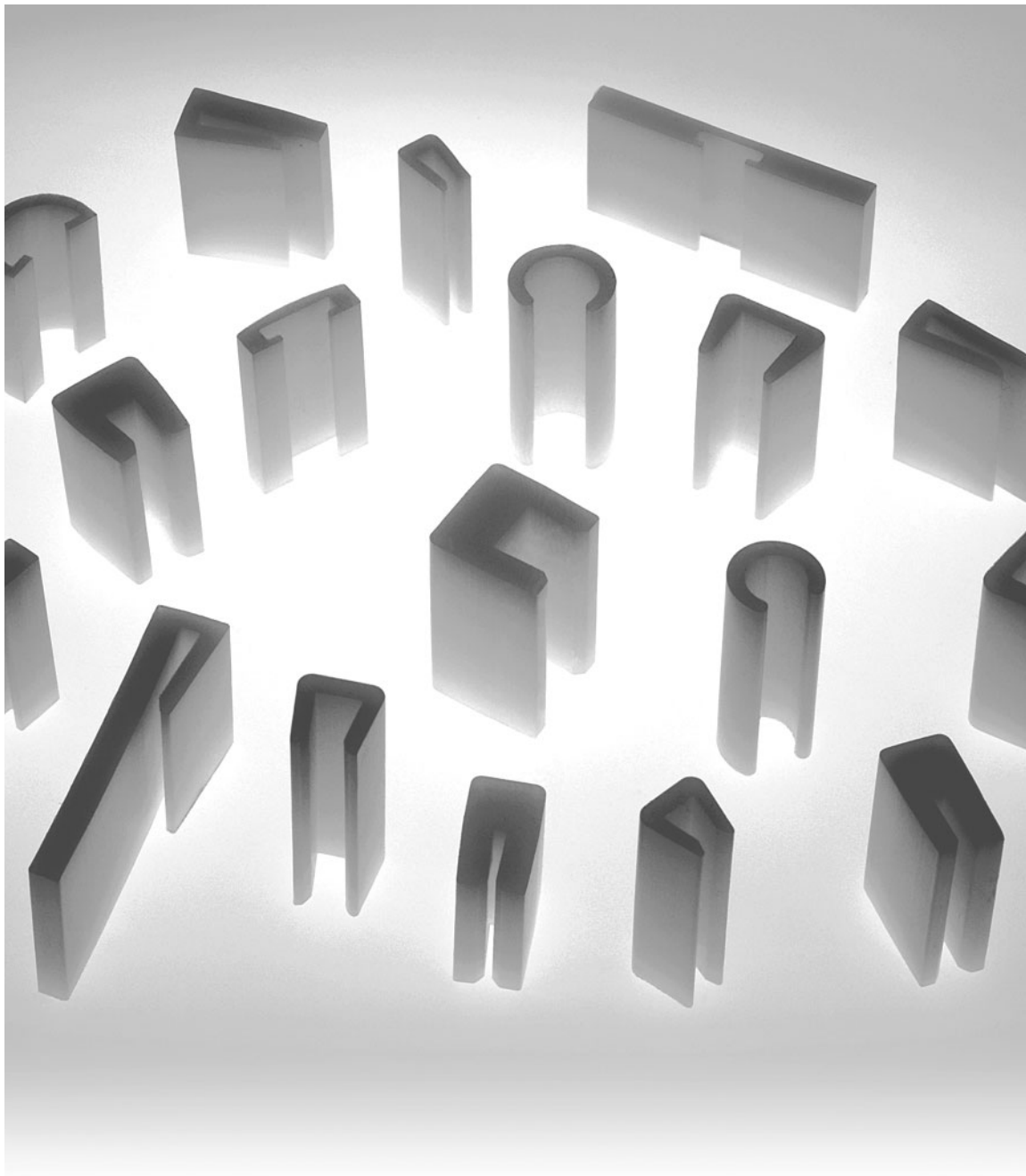
LENGTH (L3): \_\_\_\_\_ inches



COMMENTS:

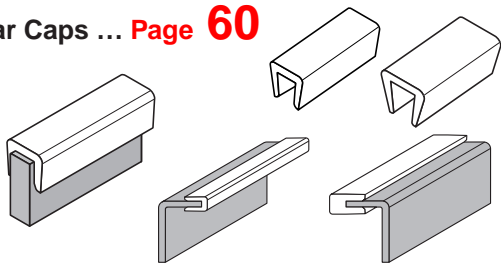
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# UHMW Covers & Aluminum Rails

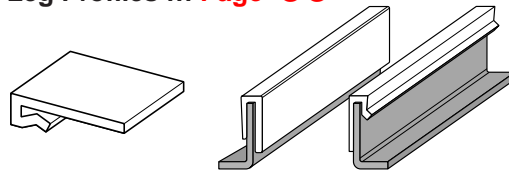


## Section Overview

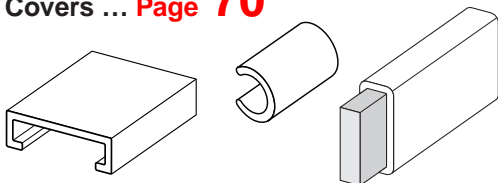
Bar Caps ... **Page 60**



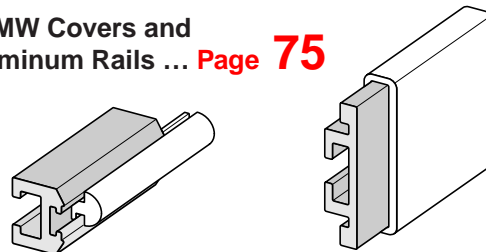
J-Leg Profiles ... **Page 66**



Bar Covers ... **Page 70**

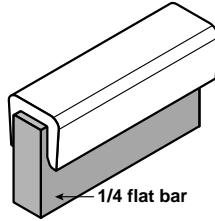
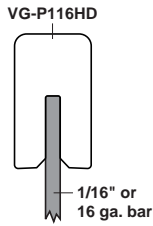


UHMW Covers and  
Aluminum Rails ... **Page 75**

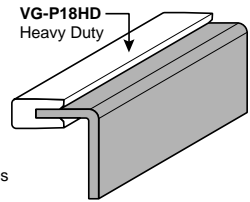
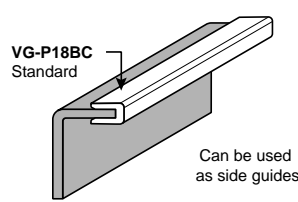




# Bar Caps



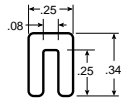
These low friction, wear resistant UHMW caps are designed to clip onto various thicknesses of flat bar material. Applications include conveyor belt supporting and conveyor side or neck guides.



1/16"  
or  
16 ga.

## P116SBC

Clips onto 1/16 in. or 16 ga. flat bar. Can be used as a standard belt support.



Material: UHMW

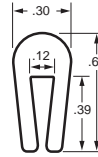
Part Number	Length (ft.)
VG-P116SBC-10	10
VG-P116SBC-20	20
VG-P116SBC-100	100
VG-P116SBC-250	250

HSS-0104 equivalent

1/8"  
12 ga.  
11 ga.

## CSI

Clips onto 12 ga. or 11 ga. flat bar. Can be used as a special belt support or neck guide.

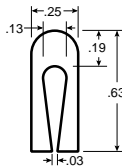


Material: UHMW

Part Number	Length (ft.)
VG-CSI-538-10	10
VG-CSI-538-20	20
VG-CSI-538-100	100
VG-CSI-538-250	250

## P104D

Clips onto 1/16 in. or 16 ga. flat bar. Can be used for heavy duty applications.

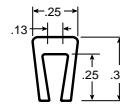


VG-P104D-10	10
VG-P104D-20	20
VG-P104D-100	100
VG-P104D-250	250

HSS-0104D equivalent

## P204

Clips onto 1/8 in., 12 ga., or 11 ga. flat bar. Can be used as a special belt support.

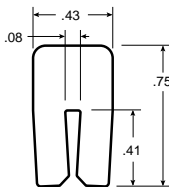


VG-P204-10	10
VG-P204-20	20
VG-P204-100	100
VG-P204-250	250

HSS-0204 equivalent

## P116HD

Clips onto 1/16 in. or 16 ga. flat bar. Can be used as a narrow belt support or for other heavy duty applications.

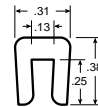


VG-P116HD-10	10
VG-P116HD-20	20

FE-0214 equivalent

## P18SBC

Clips onto 1/8 in., 12 ga., or 11 ga. flat bar. Can be used as a standard belt support.



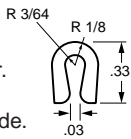
VG-P18SBC-10	10
VG-P18SBC-20	20
VG-P18SBC-100	100
VG-P18SBC-250	250

HSS-0206 equivalent

3/32"  
or  
13 ga.

## P105R

Clips onto 3/32 in. or 13 ga. flat bar. Can be used as a neck guide.



Nolu-SR (reinforced) helps guide PET containers in high speed applications.

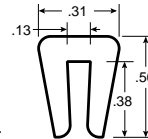
Material: Grey Nolu-S or Grey Nolu-SR (reinforced).

Part Number	Nolu-SR (reinforced)	Nolu-S	Length (ft.)
VG-P105R-100	•	100	
VG-P105RCL-100	•	100	
VG-P105R-250	•	250	
VG-P105RCL-250	•	250	

NSS-0105R equivalent

## P18BC

Clips onto 1/8 in., 12 ga., or 11 ga. flat bar. Can be used for standard applications.

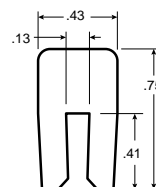


VG-P18BC-10	10
VG-P18BC-20	20
VG-P18BC-100	100
VG-P18BC-250	250

HSS-0206D equivalent

## P18HD

Clips onto 1/8 in., 12 ga., or 11 ga. flat bar. Can be used as a narrow belt support or for other heavy duty applications.



VG-P18HD-10	10
VG-P18HD-20	20

FE-0414 equivalent

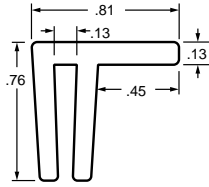


1/8"  
12 ga.  
11 ga.



## P1345

Clips onto 1/8 in., 12 ga., or 11 ga. flat bar. Can be used for belt retention or support.



Material: UHMW

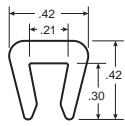
Part Number	Length(ft.)
VG-P1345-10	10
VG-P1345-20	20

3/16"  
or  
7 ga.



## P316BC

Clips onto 3/16 flat bar. Can be used as a standard belt support.



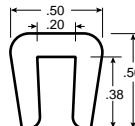
Material: UHMW

Part Number	Length(ft.)
VG-P316BC-10	10
VG-P316BC-20	20
VG-P316BC-100	100
VG-P316BC-250	250



## P316SBC

Clips onto 3/16 flat bar. Can be used as a standard belt support.



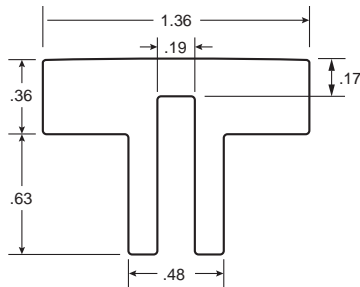
VG-P316SBC-10	10
VG-P316SBC-20	20
VG-P316SBC-100	100
VG-P316SBC-250	250



HSS-0308D equivalent

## P316TBC

Clips onto 3/16 flat bar. Can be used as a standard belt support.



VG-P316TBC-10	10
VG-P316TBC-20	20

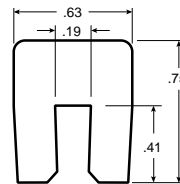
**Shipping Information:** UHMW covers and inserts are typically shipped straight in tubes. 8' lengths can be shipped UPS. Standard 10' or 20' lengths are shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping.



**Extended Coil Lengths:** Items marked with this symbol are available in continuous lengths of 100' or more. These items must be coiled for shipping and handling.

## P316HD

Clips onto 3/16 flat bar. Can be used as a heavy duty belt support.



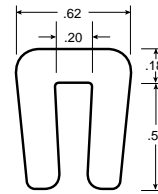
Material: UHMW

Part Number	Length(ft.)
VG-P316HD-10	10
VG-P316HD-20	20

FE-0610 equivalent

## P7GABC

Clips onto 7 ga. steel. Can be used as a standard belt support. KVP equivalent wearstrip.



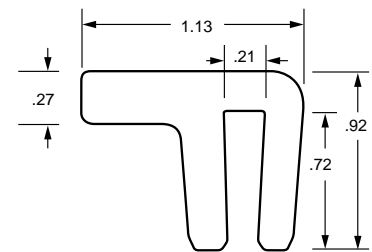
VG-P7GABC-10	10
VG-P7GABC-20	20
VG-P7GABC-100	100
VG-P7GABC-250	250

HSS-5008 equivalent








## P7GAHD

Clips onto 7 ga. steel. Can be used for belt retention or support. KVP equivalent wearstrip.



VG-P7GAHD-10	10
VG-P7GAHD-20	20

### Options available for most wear strips:

	Black UHMW: add " <b>-B-</b> " to part number		Static Dissipative UHMW: add " <b>-SD-</b> " to part number
	Nolu-S UHMW: (reduced friction) add " <b>-NS-</b> " to part number		UV Stabilized UHMW: add " <b>-UV-</b> " to part number
Example:  <b>VG-P316HD-NS-10</b>			

# Bar Caps

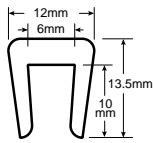


6 mm



## PM6BC

Clips onto 6 mm flat bar. Can be used as a standard belt support.

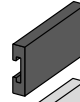


Material: UHMW

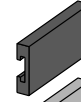
Part Number	Length(ft.)
VG-PM6BC-10	10
VG-PM6BC-20	20
VG-PM6BC-100	100
VG-PM6BC-250	250

HSS-0601 equivalent

### Options available for most wear strips:



Black UHMW:  
add "-B-" to  
part number



Static Dissipative  
UHMW:  
add "-SD-" to  
part number



Nolu-S UHMW:  
(reduced friction)  
add "-NS-" to  
part number



UV Stabilized  
UHMW:  
add "-UV-" to  
part number

Example: VG-P316HD-NS-10

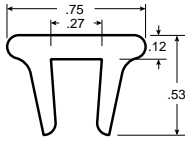
UHMW Covers & Aluminum Rails

1/4"



## P14TBC

Clips onto 1/4 flat bar. Can be used as a special belt support.

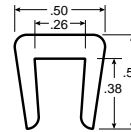


VG-P14TBC-10	10
VG-P14TBC-20	20
VG-P14TBC-100	100
VG-P14TBC-250	250

HSS-0409 equivalent

## P14BC

Clips onto 1/4 flat bar. Can be used as a standard belt support.



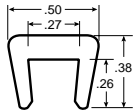
Material: UHMW

Part Number	Length(ft.)
VG-P14BC-10	10
VG-P14BC-20	20
VG-P14BC-100	100
VG-P14BC-250	250

HSS-0408D equivalent

## P14SBC

Clips onto 1/4 flat bar. Can be used as standard belt support.

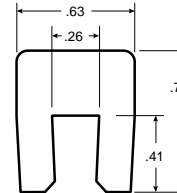


VG-P14SBC-10	10
VG-P14SBC-20	20
VG-P14SBC-100	100
VG-P14SBC-250	250

HSS-0408 equivalent

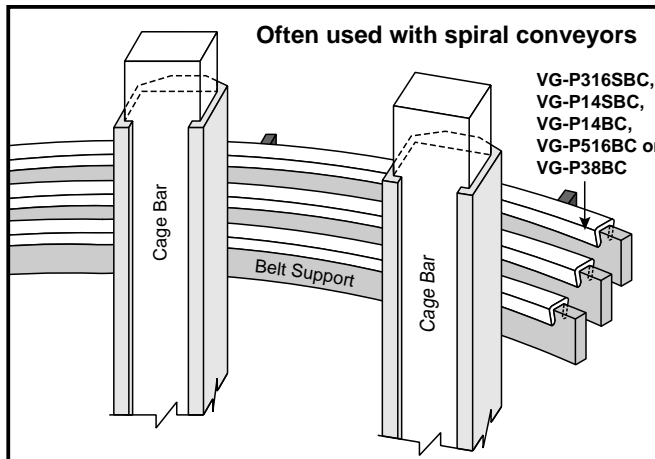
## P14HD

Clips onto 1/4 flat bar. Can be used as a heavy duty belt support.



VG-P14HD-10	10
VG-P14HD-20	20

FE-0810 equivalent



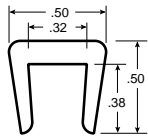


5/16"



## P516BC

Clips onto 5/16 flat bar. Can be used as a standard belt support.



Material: UHMW

Part Number	Length (ft.)
VG-P516BC-10	10
VG-P516BC-20	20
VG-P516BC-100	100
VG-P516BC-250	250

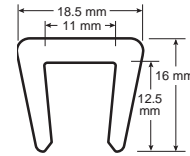
HSS-0508D equivalent

10 mm



## PM10BC

Clips onto 10 mm flat bar. Can be used as a standard belt support.



Material: UHMW

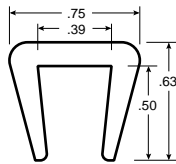
Part Number	Length (ft.)
VG-PM10BC-10	10
VG-PM10BC-20	20
VG-PM10BC-100	100
VG-PM10BC-250	250

3/8"



## P38BC

Clips onto 3/8 flat bar. Can be used as a standard belt support.



VG-P38BC-10	10
VG-P38BC-20	20
VG-P38BC-100	100
VG-P38BC-250	250
VG-P38BC-500	500

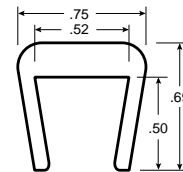
HSS-0612 equivalent

1/2"



## P12BC

Clips onto 1/2 flat bar. Can be used as a standard belt support.

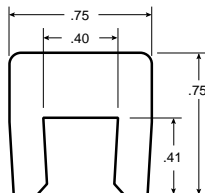


VG-P12BC-10	10
VG-P12BC-20	20
VG-P12BC-100	100
VG-P12BC-250	250

HSS-0812 equivalent

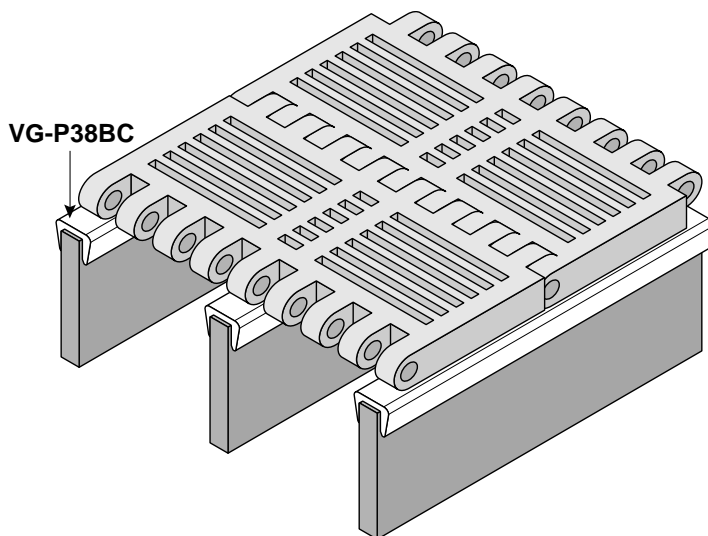
## P38HD

Clips onto 3/8 flat bar. Can be used as an extra wide heavy duty belt support.



VG-P38HD-10	10
VG-P38HD-20	20

FE-1212 equivalent



**Shipping Information:** UHMW covers and inserts are typically shipped straight in tubes. 8' lengths can be shipped UPS. Standard 10' or 20' lengths are shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping.

**Extended Coil Lengths:** Items marked with this symbol are available in continuous lengths of 100' or more. These items must be coiled for shipping and handling.





# Neck Guides

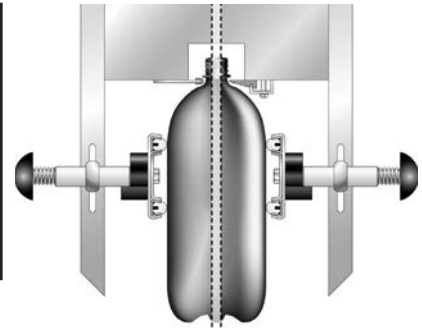
## Neck Guides for PET Containers

Helps guide PET and HDPE containers in high speed, air conveying applications. Nolu-SR is a proprietary alloy of reinforced UHMW and other USDA accepted lubricants, resulting in a harder, lower friction material that is ideal in these applications. Though designs differ, the material of choice is Nolu-SR, proven to increase throughput, reduce jams and wear longer.

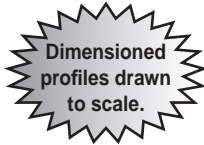
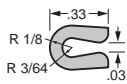
### OEM's Choice!

- 10+ years
- US and Europe

Also available in anti-static!



## P105R



### Neck Guide

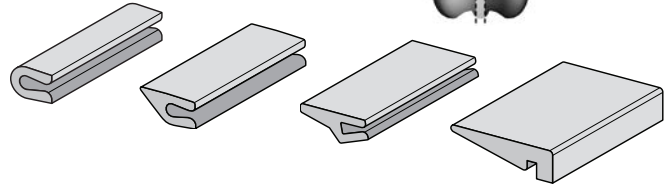
Clips onto 13 ga. (.090) or 14 ga. (.073) sheet metal.

**Material:** Grey Nolu-S or Grey Nolu-SR (reinforced).

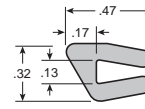
Part Number	Nolu-SR (reinforced)	Nolu-S	Length (ft.)
VG-P105R-100	•		100
VG-P105RCL-100	•		100
VG-P105R-250	•		250
VG-P105RCL-250	•		250



NSS-0105R equivalent



## NG47



### Neck Guide

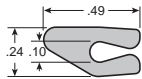
Clips onto 11 ga. (.120) sheet metal.

**Material:** Nolu-SR (reinforced)

Part Number	Length (ft.)
VG-NG47-SR-100	100
VG-NG47-SR-250	250



## NG49



**Material:** Nolu-SR (reinforced)

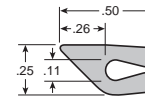
### Neck Guide

Clips onto 13 ga. (.090) or 14 ga. (.073) sheet metal.



Part Number	Length (ft.)
VG-NG49-SR-100	100
VG-NG49-SR-250	250

## NG50



### Neck Guide

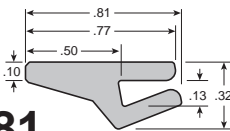
Clips onto 13 ga. (.090) or 14 ga. (.073) sheet metal.

**Material:** Nolu-SR (reinforced)

Part Number	Length (ft.)
VG-NG50-SR-100	100
VG-NG50-SR-250	250



## NG81



**Material:** Nolu-SR (reinforced)

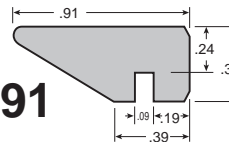
### Neck Guide

Clips onto 11 ga. (.120) sheet metal.



Part Number	Length (ft.)
VG-NG81-SR-100	100
VG-NG81-SR-250	250

## NG91



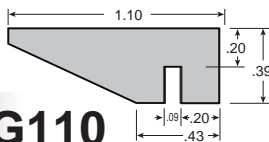
**Material:** Nolu-SR (reinforced)

### Neck Guide

Replacement for various European equipment manufacturers.

Part Number	Length (ft.)
VG-NG91-SR-10	10
VG-NG91-SR-20	20

## NG110



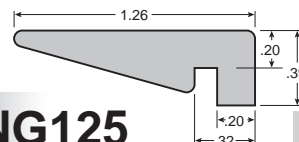
**Material:** Nolu-SR (reinforced)

### Neck Guide

Replacement for various European equipment manufacturers.

Part Number	Length (ft.)
VG-NG110-SR-10	10
VG-NG110-SR-20	20

## NG125



**Material:** Nolu-SR (reinforced)

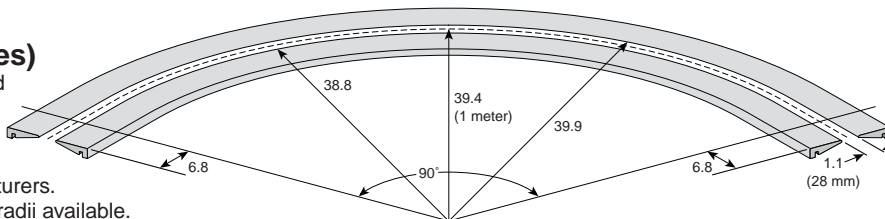
### Neck Guide

Replacement for various European equipment manufacturers.

Part Number	Length (ft.)
VG-NG125-SR-10	10
VG-NG125-SR-20	20

## Neck Guide Curve (2 pieces)

Machined inside and outside curves. Replacement for various European equipment manufacturers. Other special order radii available.



**Material:** Nolu-SR (reinforced)

Part Number
VG-NG91-SR-1M28
VG-NG110-SR-1M28
VG-NG125-SR-1M28

# Body Guides



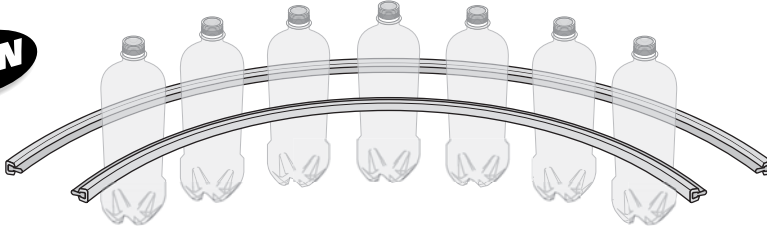
## Bottle Guide

Aluminum guide rail with Nolu-S insert is used to guide containers, especially PET and HDPE, in applications such as air conveying. Many air conveyor users and manufacturers have found that brush guides tend to get contaminated with debris, which causes increased friction and marking of PET bottles. Nolu-S is the perfect combination of extremely low friction in a tough UHMW based material. Nolu-S will not mark bottles while allowing faster speeds and greater throughput.

**Low friction,  
non-marking!  
More sanitary**



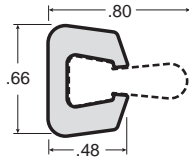
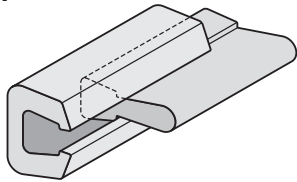
**NEW**



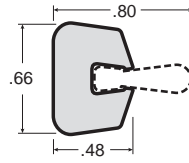
## ABG

### Aluminum Rail

Accepts VG-PBG Nolu-S and Nolu-SD inserts.



VG-ABG-



VG-ABG2-

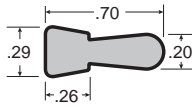
Material: Clear anodized aluminum	
Part Number	Length (ft.)
VG-ABG-10	10
VG-ABG-20	20
VG-ABG2-10	10
VG-ABG2-20	20

## PBG

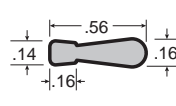
### Nolu-S Insert

For use with VG-ABG aluminum rail. This guide is available in the ultra low friction Nolu-S.

**Reduced  
Splices!**



VG-PBG7-NS-



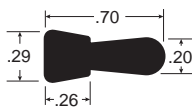
VG-PBG5-NS-

Available  
in Coils

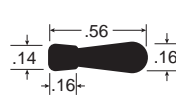
Material: Nolu-S	
Part Number	Length (ft.)
VG-PBG7-NS-100	100
VG-PBG5-NS-100	100

### Nolu-SD Insert

For use with VG-ABG aluminum rail. This guide is available in the ultra low friction Nolu-SD, which combines low friction qualities with a static dissipating ability.



VG-PBG7-NSD-

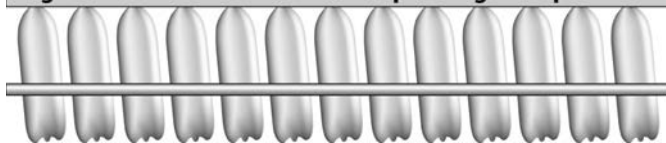


VG-PBG5-NSD-

Available  
in Coils

Material: Nolu-SD	
Part Number	Length (ft.)
VG-PBG7-NSD-100	100
VG-PBG5-NSD-100	100

**Nolu-SR neck guides and Nolu-S body guides, with an ultra low coefficient of friction, reduces the degree of bottle tilt and the corresponding wear problems.**



**Other guides (especially brushes), when contaminated, can cause irregular tilt and orientation of the bottles, resulting in blockage at curves or inclines.**



## Field Bendable!

Easily bent on site using a portable Valu Guide rail bender. Bends to min. 30" radius with zero crimping of aluminum which allows for continuous feed of plastic thru straights and curves with minimal splicing.



See page 26 for Valu Guide rail bender details.

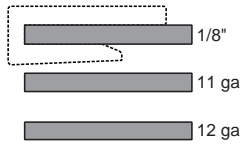
	For Inside Curve		For Outside Curve	
VG-ABG-				
VG-ABG2-				





# J-Leg Profiles

Superior chain interface and cleanliness make Solus J-Legs the right choice for domestic or international uses. Our J-Legs are designed to hold tight onto 11 ga. or 12 ga. sheet metal or 1/8 bar.



**Material:** All J-Legs are white UHMW. Specialized UHMW additives are also available.

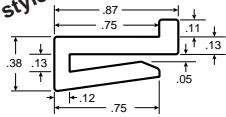


UHMW's natural low friction properties can be increased even further through the use of special additives. Our Nolu-S is a patented alloy of UHMW and food grade lubricants, meeting the needs of ultra low-friction applications.

UHMW Covers & Aluminum Rails

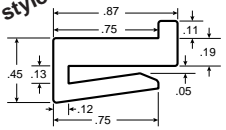
## 3/4" J-Legs

European style

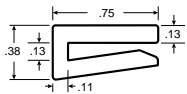


Part Number	Length(ft.)
VG-JSL075-125-10	10
VG-JSL075-125-20	20

European style



VG-JSL075-188-10	10
VG-JSL075-188-20	20

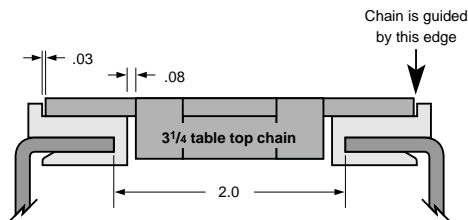


VG-P18CC-10	10
VG-P18CC-20	20

*HSS-0212 equivalent*

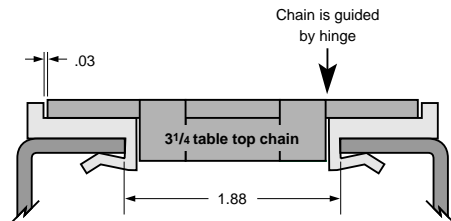
### Preferred Edge Guide Method:

Solus J-leg profiles are designed specifically to use the edge of the chain flight as the contact point for guiding. This part of the chain is smoother than the ends of the hinge and hinge pin — the guiding contact point for other styles of J-leg. This in turn reduces the side to side movement of each flight on the hinge pin and the noise associated with that movement. In addition, the longer lower leg on the JS style Valu Guide design provides better engagement with 11 gauge, 12 gauge, or 1/8 mounting material.

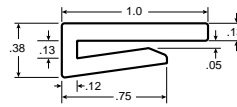


### Typical Hinge Guide Method:

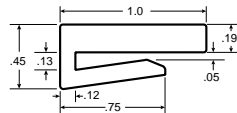
As a conveyor chain guide, this style of profile uses the rough, uneven hinge and hinge pin end surface rather than the smoother outside edge of the flight. With this configuration, the turned-up portion of the profile is cosmetic and provides no useful purpose.



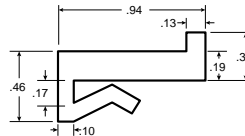
## 1" J-Legs



Part Number	Length(ft.)
VG-JS100-125-10	10
VG-JS100-125-20	20
VG-JS100-125-100	100
VG-JS100-125-250	250

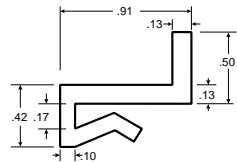


VG-JS100-188-10	10
VG-JS100-188-20	20



VG-JL081-188-10	10
VG-JL081-188-20	20

*HSS-0114LT equivalent*



VG-JEL-078-125-10	10
VG-JEL-078-125-20	20

*HSS-0112L equivalent*

### Options available for most J-legs:



Black UHMW: add "**B-**" to part number



Static Dissipative UHMW: add "**SD-**" to part number



Nolu-S UHMW: (reduced friction) add "**NS-**" to part number



UV Stabilized UHMW: add "**UV-**" to part number

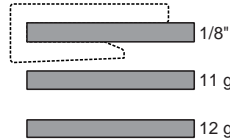
Example: VG-P316HD-NS-10

# J-Leg Profiles



**Shipping Information:** Standard 10' or 20' UHMW covers and inserts are typically shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping through UPS.

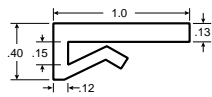
Our J-Legs are designed to hold tight onto 11 ga. or 12 ga. sheet metal or 1/8 in. bar.



**Extended Coil Lengths:** Items marked with this symbol are available in continuous lengths of 100' or more. These items must be coiled for shipping and handling.

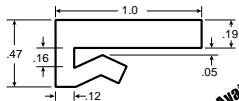


## 1" J-Legs (continued)



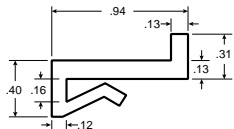
Part Number	Length(ft.)
VG-J100-125T-10	10
VG-J100-125T-20	20
VG-J100-125T-100	100
VG-J100-125T-250	250
VG-J100-125T-500	500

HSS-0116 equivalent



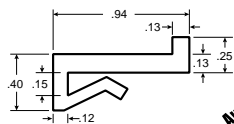
Part Number	Length(ft.)
VG-J100-188-10	10
VG-J100-188-20	20
VG-J100-188-100	100

HSS-0114T equivalent



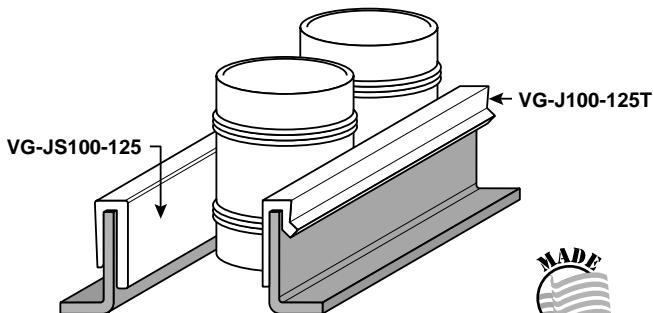
Part Number	Length(ft.)
VG-JEL081-125-10	10
VG-JEL081-125-20	20

HSS-0116L equivalent



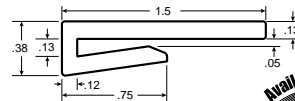
Part Number	Length(ft.)
VG-JL081-125-10	10
VG-JL081-125-20	20
VG-JL081-125-100	100
VG-JL081-125-250	250

HSS-0114L or VG-J094 equivalent

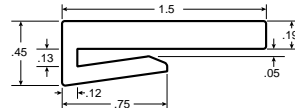


Often used as Side Guides

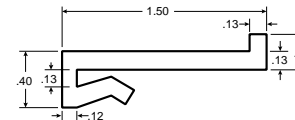
## 1 1/2" J-Legs



Part Number	Length(ft.)
VG-JS150-125-10	10
VG-JS150-125-20	20
VG-JS150-125-100	100
VG-JS150-125-250	250

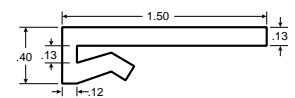


Part Number	Length(ft.)
VG-JS150-188-10	10
VG-JS150-188-20	20



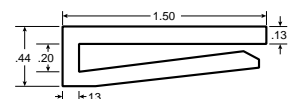
Part Number	Length(ft.)
VG-JL137-125-10	10
VG-JL137-125-20	20

HSS-0224L equivalent



Part Number	Length(ft.)
VG-J150-125-10	10
VG-J150-125-20	20

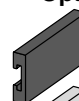
HSS-0224 equivalent



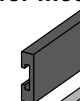
Part Number	Length(ft.)
VG-JES-150-125-10	10
VG-JES-150-125-20	20

HSS-0328 equivalent

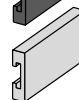
### Options available for most J-legs:



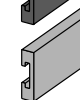
Black UHMW:  
add "-B-" to  
part number



Static Dissipative  
UHMW:  
add "-SD-" to  
part number



Nolu-S UHMW:  
(reduced friction)  
add "-NS-" to  
part number



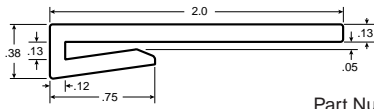
UV Stabilized  
UHMW:  
add "-UV-" to  
part number

Example: VG-P316HD-NS-10

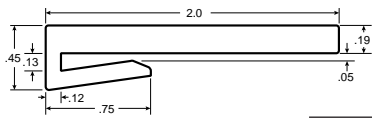


# J-Leg Profiles

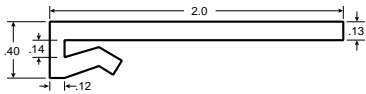
## 2" J-Legs



Part Number	Length(ft.)
VG-JS200-125-10	10
VG-JS200-125-20	20



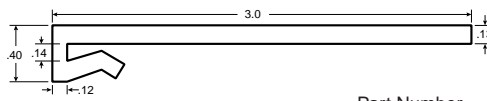
VG-JS200-188-10	10
VG-JS200-188-20	20



VG-J200-125-10	10
VG-J200-125-20	20

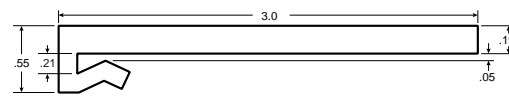
*HSS-0232 equivalent*

## 2 7/8" and 3" J-Legs

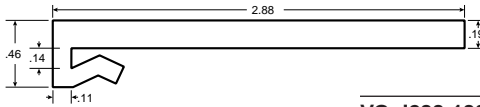


Part Number	Length(ft.)
VG-J300-125-10	10
VG-J300-125-20	20

*HSS-0248 equivalent*



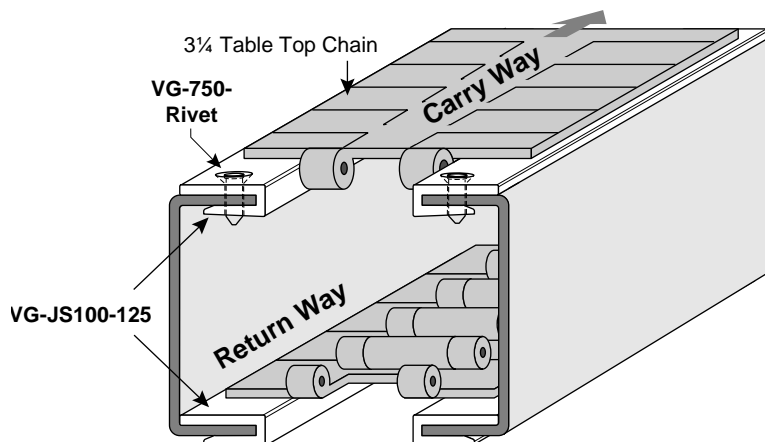
VG-J300-188-10	10
VG-J300-188-20	20



VG-J288-188-10	10
VG-J288-188-20	20

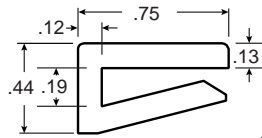
*HSS-0346T equivalent*

UHMW Covers & Aluminum Rails





## Additional J-Leg Profiles

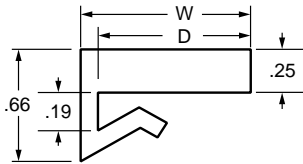


Available  
in Coils

For use with  
3/16" material

Part Number	Length
VG-JS3-075-125-10	10
VG-JS3-075-125-20	20
VG-JS3-075-125-100	100
VG-JS3-075-125-250	250
VG-JS3-075-125-500	500

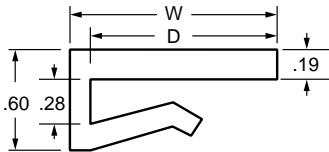
*HSS-0112 equivalent*



For use with  
3/16" material

D dim.	W dim.	Part Number (10 ft.)	Part Number (20 ft.)
5/8	3/4	VG-J3-075-250-10	VG-J3-075-250-20
7/8	1	VG-J3-100-250-10	VG-J3-100-250-20
1-7/8	2	VG-J3-200-250-10	VG-J3-200-250-20

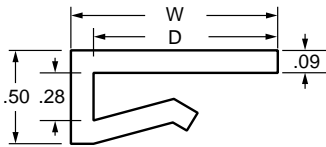
*HSS-0312T, HSS-0316T, HSS-0332T equivalents*



For use with  
1/4" material

3/4	7/8	VG-J4-088-188-10	VG-J4-088-188-20
1	1-1/8	VG-J4-113-188-10	VG-J4-113-188-20
1-1/4	1-3/8	VG-J4-138-188-10	VG-J4-138-188-20
1-1/2	1-5/8	VG-J4-163-188-10	VG-J4-163-188-20
2	2-1/8	VG-J4-213-188-10	VG-J4-213-188-20

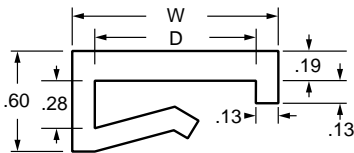
*HSS-0412T, HSS-0416T, HSS-0420T, HSS-0424T, HSS-0432T equivalents*



For use with  
1/4" material

1	1-1/8	VG-J4-113-09-10	VG-J4-113-09-20
1-1/4	1-3/8	VG-J4-138-09-10	VG-J4-138-09-20
1-1/2	1-5/8	VG-J4-163-09-10	VG-J4-163-09-20
2	2-1/8	VG-J4-213-09-10	VG-J4-213-09-20

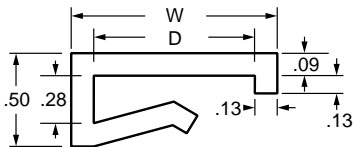
*HSS-0416, HSS-0420, HSS-0424, HSS-0432 equivalents*



For use with  
1/4" material

1	1-1/4	VG-JDL4-125-188-10	VG-JDL4-125-188-20
1-1/4	1-1/2	VG-JDL4-150-188-10	VG-JDL4-150-188-20
1-1/2	1-3/4	VG-JDL4-175-188-10	VG-JDL4-175-188-20
2	2-1/4	VG-JDL4-225-188-10	VG-JDL4-225-188-20

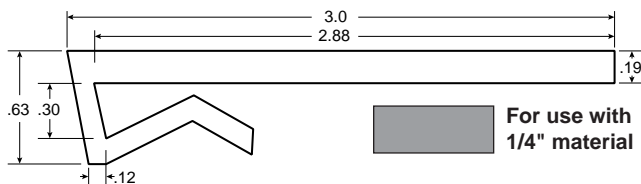
*HSS-0416LT, HSS-0420LT, HSS-0424LT, HSS-0432LT equivalents*



For use with  
1/4" material

1	1-1/4	VG-JDL4-125-09-10	VG-JDL4-125-09-20
1-1/4	1-1/2	VG-JDL4-150-09-10	VG-JDL4-150-09-20
1-1/2	1-3/4	VG-JDL4-175-09-10	VG-JDL4-175-09-20
2	2-1/4	VG-JDL4-225-09-10	VG-JDL4-225-09-20

*HSS-0416L, HSS-0420L, HSS-0424L, HSS-0432L equivalents*



For use with  
1/4" material

VG-J4-300-188-10	10
VG-J4-300-188-20	20

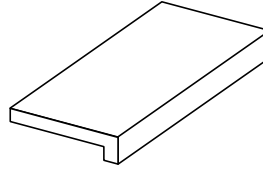
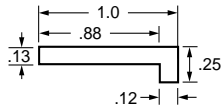
*HSS-0448T equivalent*



# Wear Strip Profiles and Round Bar Covers

## P417CT

Wear Strip Profiles



Material: UHMW

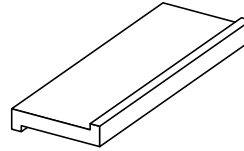
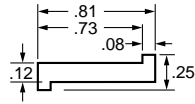
Part Number Length(ft.)

VG-P417CT-10 10

HSS-0417 equivalent

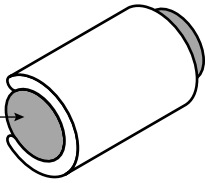
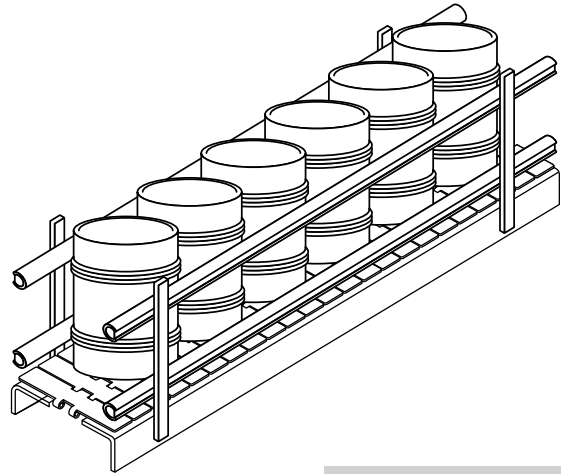
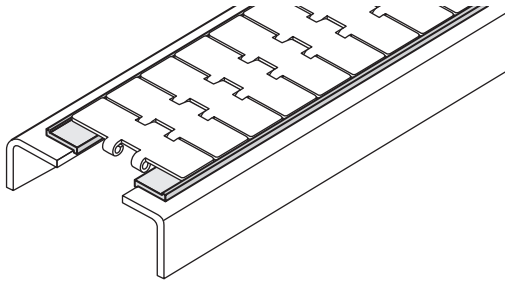
## P7701

Wear Strip Profiles



VG-P7701-10 10

HSS-0419 equivalent

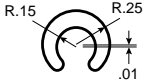


round rod

These low friction, wear resistant UHMW covers are designed to fit around various diameters of round rod. Applications include conveyor side guides.

## P516RD

5/16 full round side guide. Clips onto 5/16 diameter rod.



Material: UHMW

Part Number Length (ft.)

VG-P516RD-10 10

VG-P516RD-20 20

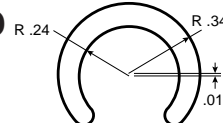
VG-P516RD-100 100

VG-P516RD-250 250

HSS-0508 equivalent

## P12RD

1/2 full round side guide. Clips onto 1/2 diameter rod.



Material: UHMW

Part Number Length (ft.)

VG-P12RD-10 10

VG-P12RD-20 20

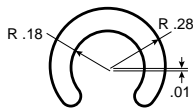
VG-P12RD-100 100

VG-P12RD-250 250

HSS-0811 equivalent

## P38RD

3/8 full round side guide. Clips onto 3/8 diameter rod.



VG-P38RD-10 10

VG-P38RD-20 20

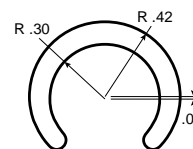
VG-P38RD-100 100

VG-P38RD-250 250

HSS-0609 equivalent

## P58RD

5/8 full round side guide. Clips onto 5/8 diameter rod.



VG-P58RD-10 10

VG-P58RD-20 20

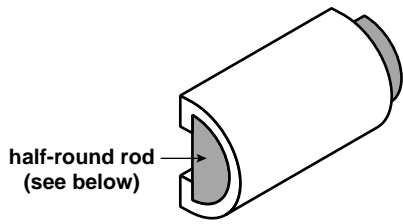
HSS-1014 equivalent

**Shipping Information:** UHMW covers and inserts are typically shipped straight in tubes. 8' lengths can be shipped UPS. Standard 10' or 20' lengths are shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping.

**Extended Coil Lengths:** Items marked with this symbol are available in lengths of 100' or more. These items must be coiled for shipping and handling.



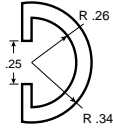
# Half Round Bars and Covers



These low friction, wear resistant UHMW covers are designed to fit around various diameters of half round rod. Applications include conveyor side guides.

## P12HR

1/2 half round side guide.  
Clips onto 1/2 diameter half round rod.



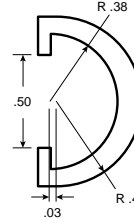
**Material:** UHMW

Part Number	Length (ft.)
VG-P12HR-10	10
VG-P12HR-20	20

*HSS-0810 equivalent*

## P34HR

3/4 half round side guide.  
Clips onto 3/4 diameter half round rod.



**Material:** UHMW

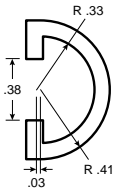
Part Number	Length (ft.)
VG-P34HR-10	10
VG-P34HR-20	20
VG-P34HR-100	100
VG-P34HR-250	250
VG-P34HR-500	500

*HSS-1215 equivalent*



## P58HR

5/8 half round side guide.  
Clips onto 5/8 diameter half round rod.

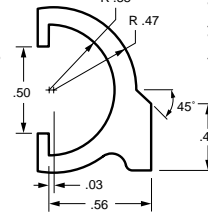


Part Number	Length (ft.)
VG-P58HR-10	10
VG-P58HR-20	20
VG-P58HR-100	100
VG-P58HR-250	250
VG-P58HR-500	500

*HSS-1013 equivalent*

## P34HRL

3/4 half round side guide with leg. Clips onto 3/4 diameter half round rod.



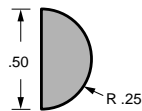
Part Number	Length (ft.)
VG-P34HRL-10	10
VG-P34HRL-20	20

*HSS-1215CL equivalent*



## S12HR

1/2 half round rod.



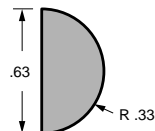
**Material:** Stainless steel

Part Number	Length (ft.)
VG-S12HR-10	10
VG-S12HR-20	20

*SHF-0500 equivalent*

## S58HR

5/8 half round rod.

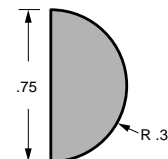


Part Number	Length (ft.)
VG-S58HR-10	10
VG-S58HR-20	20

*SHF-0625 equivalent*

## S34HR

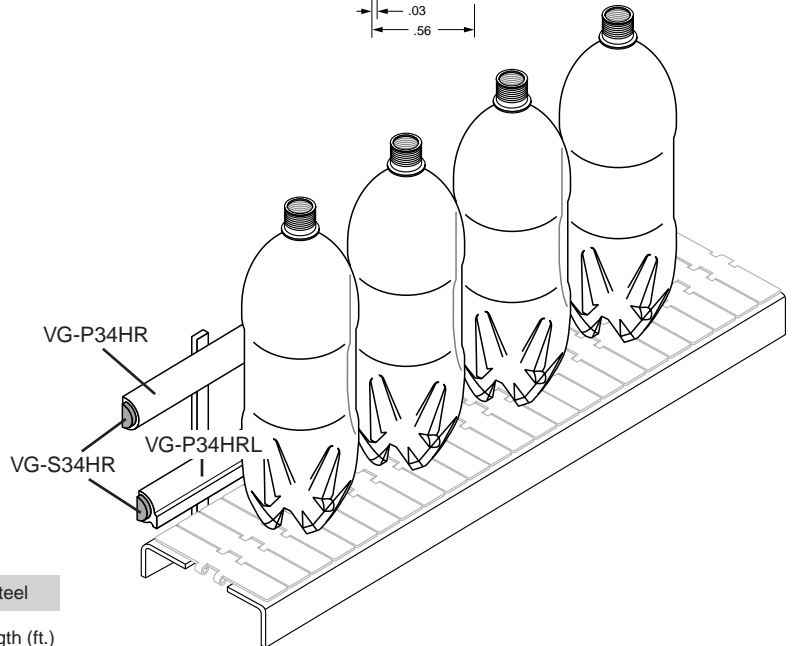
3/4 half round rod.



**Material:** Stainless steel

Part Number	Length (ft.)
VG-S34HR-10	10
VG-S34HR-20	20

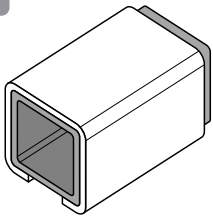
*SHF-0750 equivalent*



UHMW Covers & Aluminum Rails

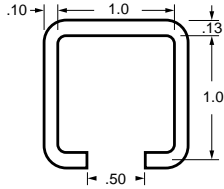
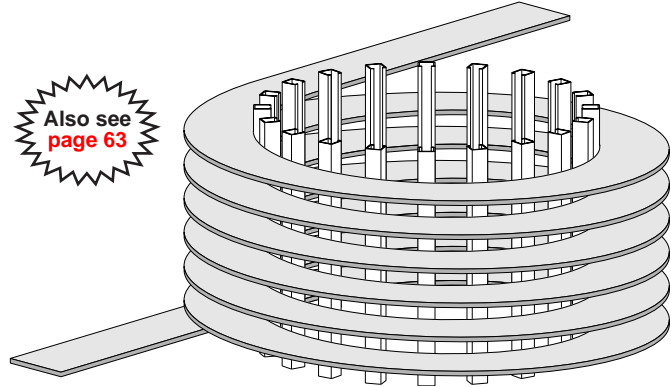


# Tube Covers



These low friction, wear resistant UHMW covers are designed to fit around various sizes of tubing or bar. Applications include spiral conveyor vertical member wear strips.

Also see page 63



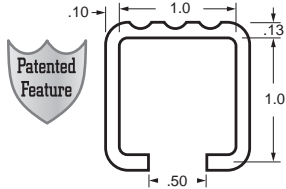
## P1x1BC

1 x 1 tube cover.

**Material:** UHMW

Part Number	Length (ft.)
VG-P1x1BC-10	10
VG-P1x1BC-20	20

HSS-1616 equivalent

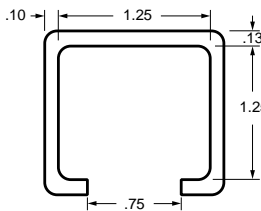


## P1010RBC

1 x 1 ribbed tube cover.

VG-P1010RBC-10	10
VG-P1010RBC-20	20

HSS-1617 equivalent

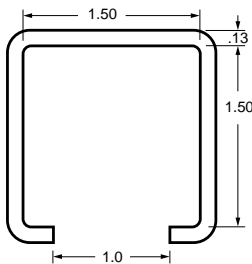


## P125125BC

1-1/4 x 1-1/4 tube cover.

VG-P125125BC-10	10
VG-P125125BC-20	20

HSS-2020 equivalent

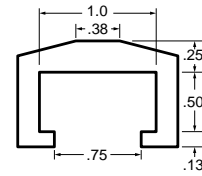


## P1515BC

1-1/2 x 1-1/2 tube cover.

VG-P1515BC-10	10
VG-P1515BC-20	20

HSS-2425 equivalent



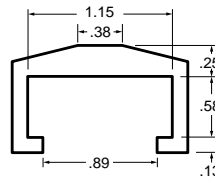
## P5010BC

1/2 x 1 bar cover.

**Material:** UHMW

VG-P5010BC-10	10
VG-P5010BC-20	20

HSS-0816 equivalent

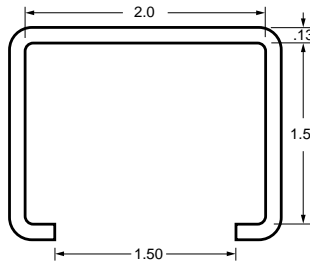


## P58115BC

9/16 x 1-1/8 bar cover.

VG-P58115BC-10	10
VG-P58115BC-20	20

HSS-0918 equivalent

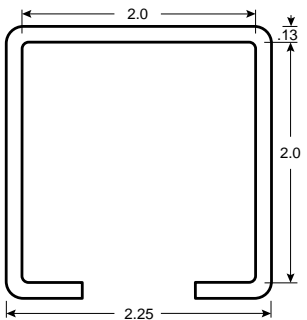


## P1520BC

1-1/2 x 2 tube cover.

VG-P1520BC-10	10
VG-P1520BC-20	20

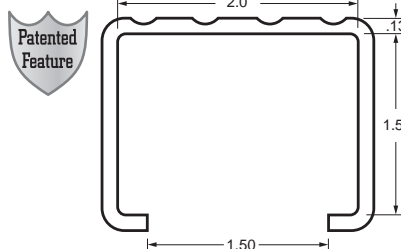
HSS-2432 equivalent



## P2x2BC

2 x 2 tube cover.

VG-P2x2BC-10	10
VG-P2x2BC-20	20

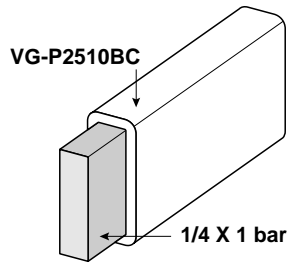


## P1520RBC

1-1/2 x 2 ribbed tube cover.

VG-P1520RBC-10	10
VG-P1520RBC-20	20

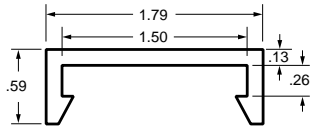
HSS-2433 equivalent



**Material: UHMW**

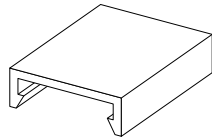
## P2515BCB

Barbed belt support. For use with 1/4 x 1-1/2 bar.



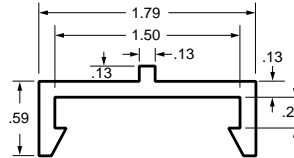
Part Number	Length (ft.)
VG-P2515BCB-10	10
VG-P2515BCB-20	20

*HSS-0424C equivalent*



## P2515DBC

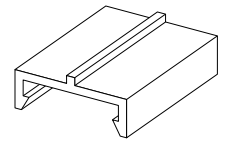
Table top chain track. For use with 1/4 x 1-1/2 bar.



**Material: UHMW**

Part Number	Length (ft.)
VG-P2515DBC-10	10
VG-P2515DBC-20	20

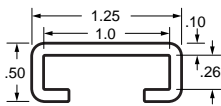
*HSS-0424CL equivalent*



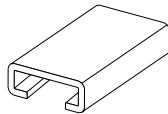
UHMW Covers & Aluminum Rails

## P2510BC

UHMW cover. For use with 1/4 x 1 bar.

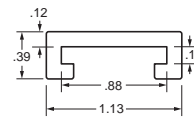


VG-P2510BC-10	10
VG-P2510BC-20	20



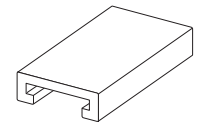
## P1878BC

Side guide. For use with 1/8 x 7/8 bar.



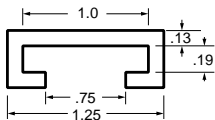
VG-P1878BC-10	10
VG-P1878BC-20	20

*HSS-0618 equivalent*



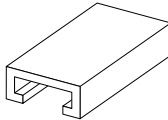
## P1910BC

Side guide. For use with 3/16 x 1 bar.



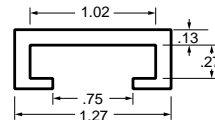
VG-P1910BC-10	10
VG-P1910BC-20	20

*HSS-0316 equivalent*



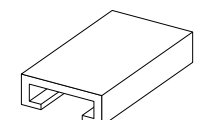
## P2510NBC

Side guide. For use with 1/4 x 1 bar.



VG-P2510NBC-10	10
VG-P2510NBC-20	20

*HSS-0416S equivalent*



### Options available for most wear strips:



Black UHMW:  
add "-B-" to  
part number



Static Dissipative  
UHMW:  
add "-SD-" to  
part number



Nolu-S UHMW:  
(reduced friction)  
add "-NS-" to  
part number



UV Stabilized  
UHMW:  
add "-UV-" to  
part number

Example: **VG-P316HD-NS-10**

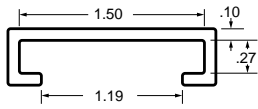




# Bar Covers

## P2515BC

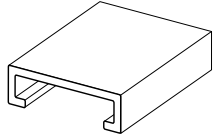
Belt support. For use with 1/4 x 1-1/2 bar.



Material: UHMW

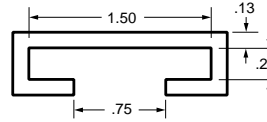
Part Number	Length (ft.)
VG-P2515BC-10	10
VG-P2515BC-20	20

HSS-0424S equivalent



## P2115BC

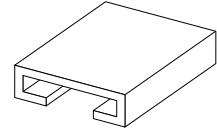
Side guide. For use with 3/16 x 1-1/2 bar.



Material: UHMW

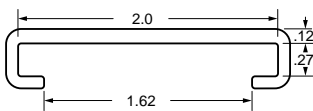
Part Number	Length (ft.)
VG-P2115BC-10	10

HSS-0324 equivalent



## P2520BC

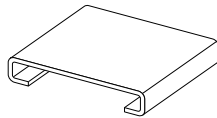
Side Guide. For use with 1/4 x 2 bar.



Part Number	Length (ft.)
VG-P2520BC-10	10
VG-P2520BC-20	20

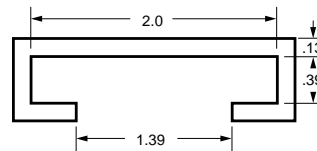
HSS-0404 equivalent

Also part of combination rails found on [page 77](#).



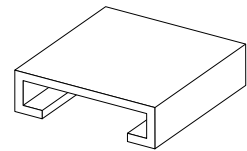
## P3920BC

Side Guide. For use with 3/8 x 2 bar.



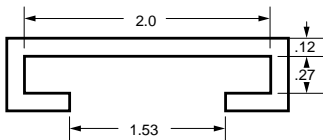
Part Number	Length (ft.)
VG-P3920BC-10	10
VG-P3920BC-20	20

HSS-0632 equivalent



## P2520NBC

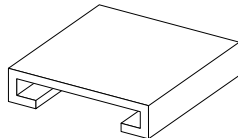
Belt support. For use with 1/4 x 2 bar.



Part Number	Length (ft.)
VG-P2520NBC-10	10
VG-P2520NBC-20	20

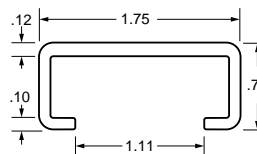
HSS-0432C equivalent

Also part of combination rails found on [page 77](#).



## P5015BC

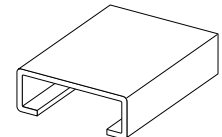
Side guide. For use with 1/2 x 1-1/2 bar.



Part Number	Length (ft.)
VG-P5015BC-10	10
VG-P5015BC-20	20

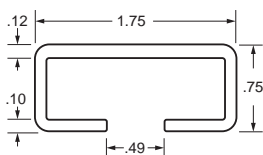
HSS-0824B equivalent

Also shown on [page 78 & 79](#).



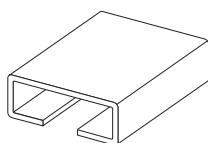
## P5015LBC

Side guide. For use with 1/2 x 1-1/2 bar.



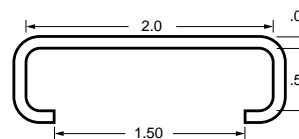
Part Number	Length (ft.)
VG-P5015LBC-10	10
VG-P5015LBC-20	20

Also shown on [page 79](#).



## P5020BC

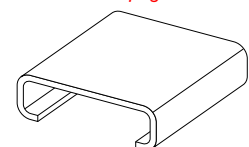
Side guide. For use with 1/2 x 2 bar.



Part Number	Length (ft.)
VG-P5020BC-10	10
VG-P5020BC-20	20

HSS-0832 equivalent

Also shown on [page 78](#).



UHMW Covers & Aluminum Rails

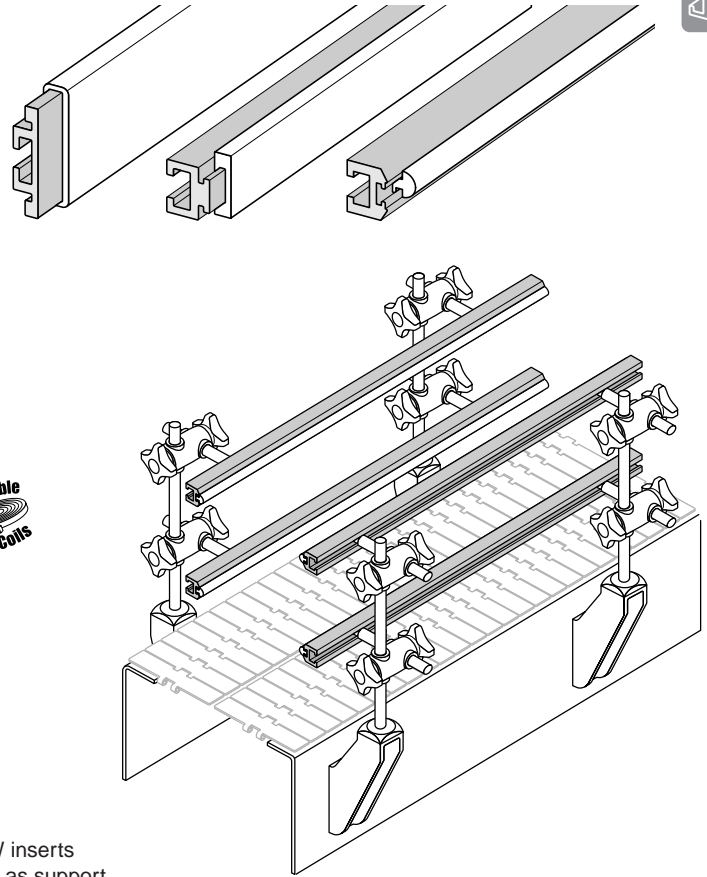
# Combination Aluminum and UHMW Guide Rails



Solus has designed aluminum extrusions which are now commonly used as side guide rails and as support members under belting and tabletop chain. The wear resistant inserts are made from UHMW materials. There are a number of interchangeable combinations for use in a variety of packaging machine and conveying applications. The aluminum rails are rugged, easily mounted structural members and the plastic inserts protect the package being conveyed from any metal contact and create a low friction, non-marring surface to guide and support the product.

**Shipping Information:** UHMW covers and inserts are typically shipped straight in tubes. 8' lengths can be shipped UPS. Standard 10' or 20' lengths are shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping.

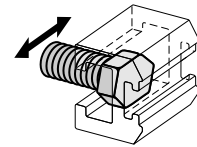
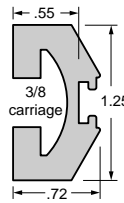
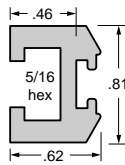
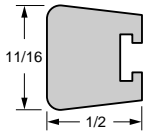
**Extended Coil Lengths:** UHMW items marked with this symbol are available in continuous lengths of 100' or more.



UHMW Covers & Aluminum Rails

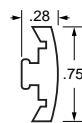
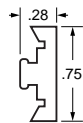
## Combination Group A

The following aluminum extrusions can be used with any of the UHMW inserts listed in this group. These rails are commonly used as side guides and as support members under belting and table top chain. Fastening hardware not included.



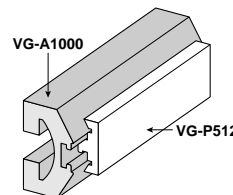
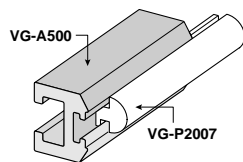
**Material: Aluminum**

			Length (ft.)
VG-A700-10	VG-A500-10	VG-A1000-10	10
VG-A700-20	VG-A500-20	VG-A1000-20	20
<i>GR-700</i> <i>equivalent</i>	<i>GR-500</i> <i>equivalent</i>	<i>GR-1000</i> <i>equivalent</i>	



**Material: UHMW**

			Length (ft.)
VG-P2007-10	VG-P512-10	VG-P512R-10	10
VG-P2007-20	VG-P512-20	VG-P512R-20	20
VG-P2007-250			250
<i>HSS-2007R</i> <i>equivalent</i>	<i>HSS-0512</i> <i>equivalent</i>	<i>HSS-0512C</i> <i>equivalent</i>	

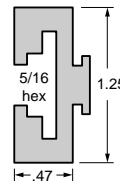
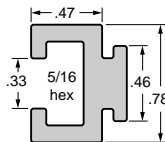
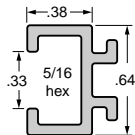
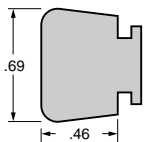
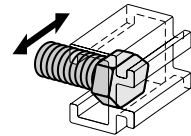




# Combination Aluminum and UHMW Guide Rails

## Combination Group B

The following aluminum extrusions can be used with any of the UHMW inserts listed in this group. These rails are commonly used as side guides and as support members under belting and table top chain. Fastening hardware not included.

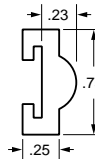
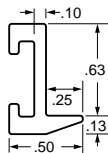
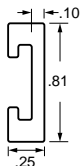
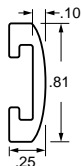


Material: Aluminum

Length (ft.)

		<b>VG-A600-8</b>		<b>8</b>
<b>VG-A275-10</b>	<b>VG-A225-10</b>	<b>VG-A600-10</b>	<b>VG-A900-10</b>	<b>10</b>
<b>VG-A275-20</b>	<b>VG-A225-20</b>	<b>VG-A600-20</b>	<b>VG-A900-20</b>	<b>20</b>
<i>GR-275 equivalent</i>	<i>GR-225 equivalent</i>	<i>GR-600 equivalent</i>	<i>GR-900 equivalent</i>	

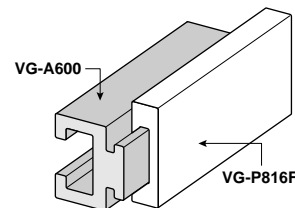
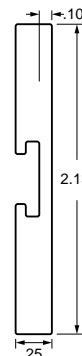
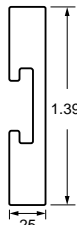
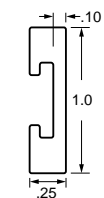
UHMW Covers & Aluminum Rails



Material: UHMW

Length (ft.)

<b>VG-P813-10</b>	<b>VG-P813F-10</b>	<b>VG-P0808-10</b>	<b>VG-P611-10</b>	<b>10</b>
<b>VG-P813-20</b>	<b>VG-P813F-20</b>	<b>VG-P0808-20</b>		<b>20</b>
<b>VG-P813-100</b>	<b>VG-P813F-100</b>			<b>100</b>
<i>HSS-0813 equivalent</i>	<i>HSS-0813F equivalent</i>	<i>HSS-0808 equivalent</i>	<i>HSS-0611 equivalent</i>	








Material: UHMW

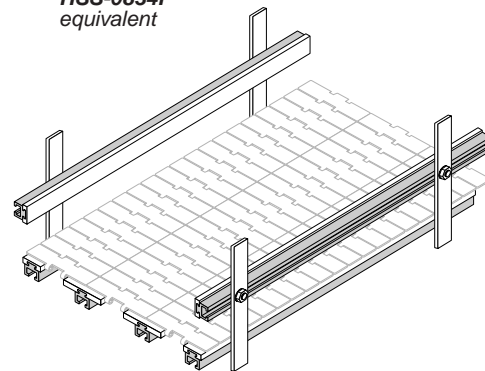
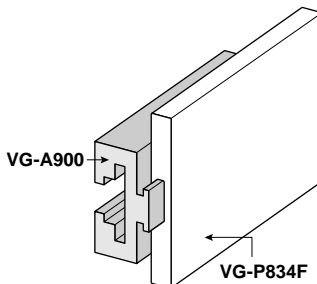
Length (ft.)

<b>VG-P816F-10</b>	<b>VG-P820F-10</b>	<b>VG-P822F-10</b>	<b>VG-P824F-10</b>	<b>VG-P834F-10</b>	<b>10</b>
<b>VG-P816F-20</b>	<b>VG-P820F-20</b>	<b>VG-P822F-20</b>	<b>VG-P824F-20</b>	<b>VG-P834F-20</b>	<b>20</b>
<i>HSS-0816F equivalent</i>	<i>HSS-0820F equivalent</i>	<i>HSS-0822F equivalent</i>	<i>HSS-0824F equivalent</i>	<i>HSS-0834F equivalent</i>	

### Options available for most wear strips:

-  Black UHMW: add "**B**" to part number
-  Static Dissipative UHMW: add "**SD**" to part number
-  Nolu-S UHMW: (reduced friction) add "**NS**" to part number
-  UV Stabilized UHMW: add "**UV**" to part number

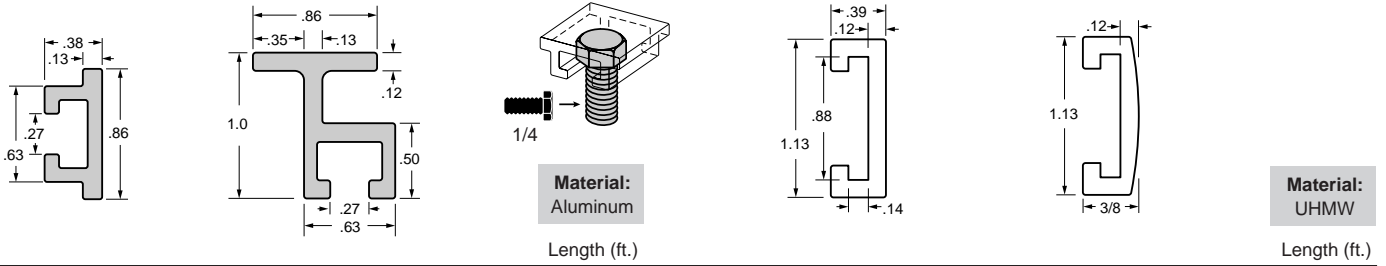
Example:  **VG-P316HD-NS-10**



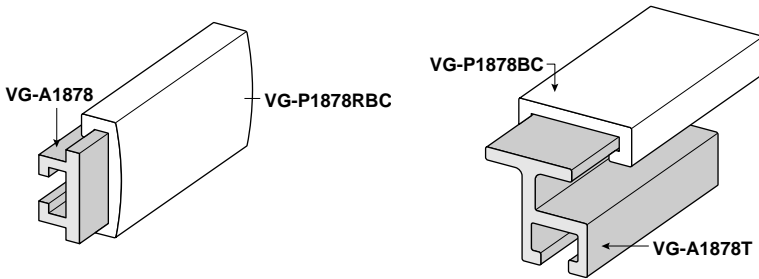


## Combination Group C

The following aluminum extrusions can be used with any of the UHMW inserts listed in this group. These rails are commonly used as side guides and as support members under belting and table top chain. The aluminum rail fastens with a 1/4 hex head bolt (not included).



<b>VG-A1878-10</b>	<b>VG-A1878T-10</b>	<b>10</b>	<b>VG-P1878BC-10</b>	<b>VG-P1878RBC-10</b>	<b>10</b>
<b>VG-A1878-20</b>	<b>VG-A1878T-20</b>	<b>20</b>	<b>VG-P1878BC-20</b>	<b>VG-P1878RBC-20</b>	<b>20</b>
<i>GR-410</i> equivalent	<i>GR-400</i> equivalent		<i>HSS-0618</i> equivalent	<i>HSS-0620</i> equivalent	



**Options available for most wear strips:**

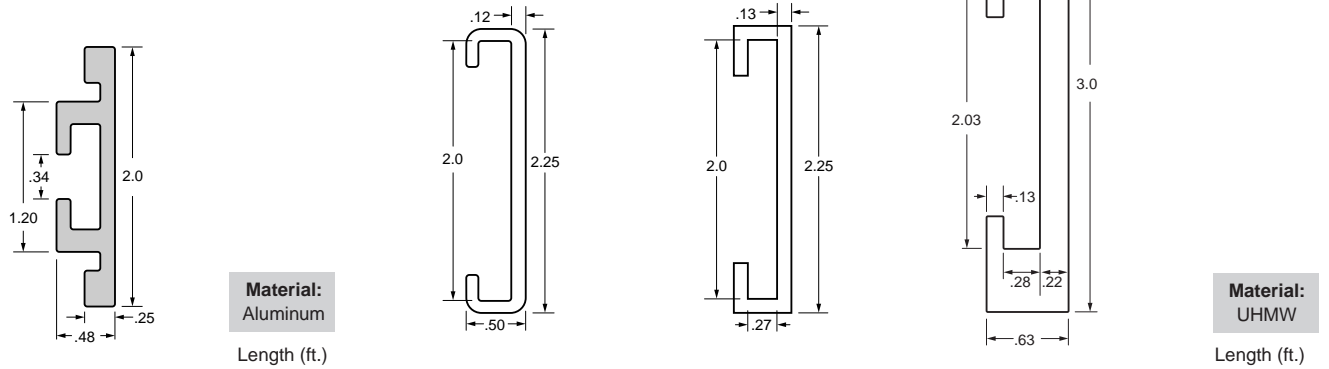
- Black UHMW: add "-B-" to part number
- Static Dissipative UHMW: add "-SD-" to part number
- Nolu-S UHMW: (reduced friction) add "-NS-" to part number
- UV Stabilized UHMW: add "-UV-" to part number

Example: **VG-P316HD-NS-10**

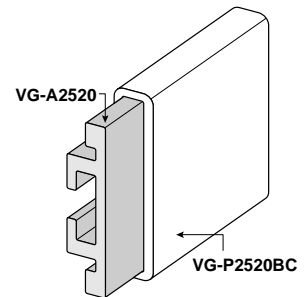
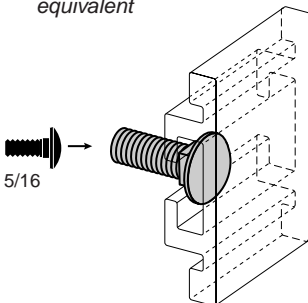
UHMW Covers & Aluminum Rails

## Combination Group D

The following aluminum extrusions can be used with any of the UHMW inserts listed in this group. These rails are commonly used as side guides and as support members under belting and table top chain. The aluminum rail fastens with a 5/16 hex head bolt (not included).



<b>VG-A2520-10</b>	<b>10</b>	<b>VG-P2520BC-10</b>	<b>VG-P2520NBC-10</b>	<b>VG-P2520WBC-10</b>	<b>10</b>
<b>VG-A2520-20</b>	<b>20</b>	<b>VG-P2520BC-20</b>	<b>VG-P2520NBC-20</b>		<b>20</b>
<i>GR-430</i> equivalent		<i>HSS-0404</i> equivalent	<i>HSS-0432C</i> equivalent		





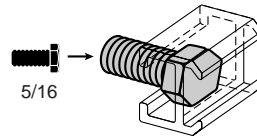
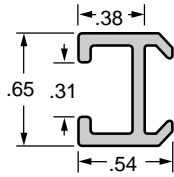
# Aluminum and UHMW Guide Rails

## A350



### Light Duty Aluminum Rail

Light duty. Accepts VG-P350 UHMW cover. Fastens with 5/16 hex head bolt (not included).



Material: Aluminum

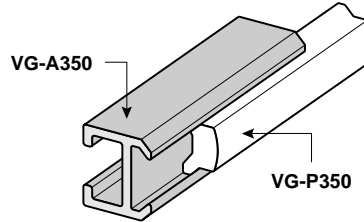
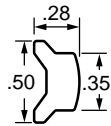
Part Number	Length (ft.)
VG-A350-10	10
VG-A350-20	20

GR-215 equivalent

## P350

### UHMW Cover

For use with VG-A350 rail.



Material: UHMW

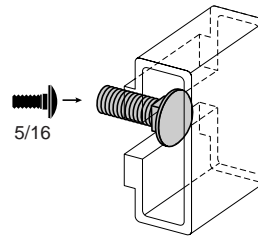
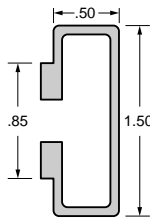
Part Number	Length (ft.)
VG-P350-10	10
VG-P350-20	20

HSS-2005 equivalent

## A5015

### Aluminum Guide Rail

Aluminum extrusions commonly used as side guide rails and as support members under belting and table top chain. Fastens with 5/16 carriage bolt (not included).



Material: Aluminum

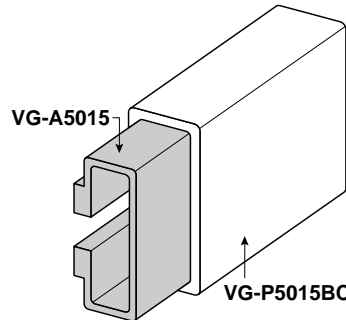
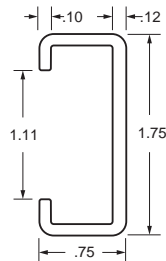
Part Number	Length (ft.)
VG-A5015-10	10
VG-A5015-20	20

GR-450 equivalent

## P5015BC

### UHMW Cover

Low friction, wear resistant UHMW cover designed to be used with VG-A5015.



Material: UHMW

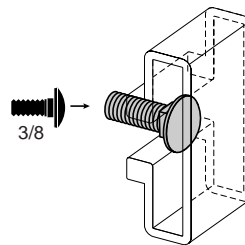
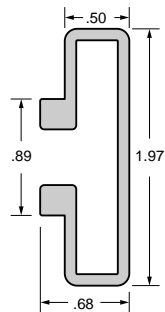
Part Number	Length (ft.)
VG-P5015BC-10	10
VG-P5015BC-20	20

HSS-0824B equivalent  
Also shown on page 74.

## A5020

### Aluminum Rail

Accepts VG-P5020BC UHMW cover. Fastens with 3/8 carriage bolt (not included).



Material: Aluminum

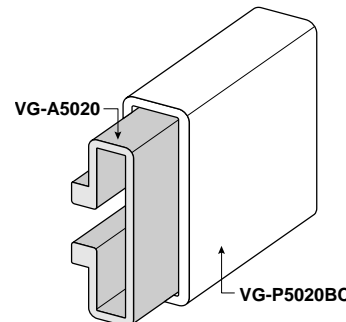
Part Number	Length (ft.)
VG-A5020-10	10
VG-A5020-20	20

GR-420 equivalent

## P5020BC

### UHMW Cover

For use with VG-A5020 rail.



Material: UHMW

Part Number	Length (ft.)
VG-P5020BC-10	10
VG-P5020BC-20	20

HSS-0832 equivalent

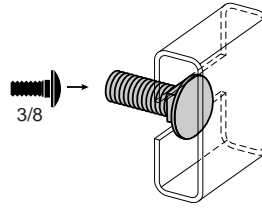
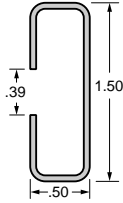
UHMW Covers & Aluminum Rails



## 5015

### Steel Rail

Galvanized (G5015) or stainless steel (S5015). Accepts VG-P5015BC UHMW cover. Fastens with 3/8 carriage head bolt (not included).



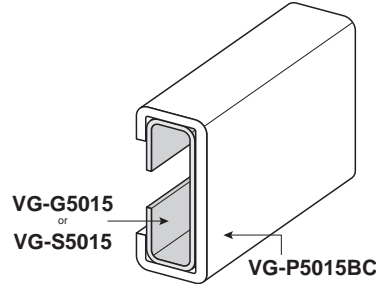
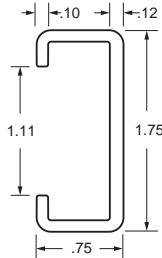
**Material:** Galvanized (G) or stainless steel (S).

Part Number	Length (ft.)
VG-G5015-10	10
VG-G5015-20	20
VG-S5015-10	10
VG-S5015-20	20

## P5015BC

### UHMW Cover

For use with VG-G5015 or VG-S5015 rail or any 1/2 x 1-1/2 bar.



**Material:** UHMW

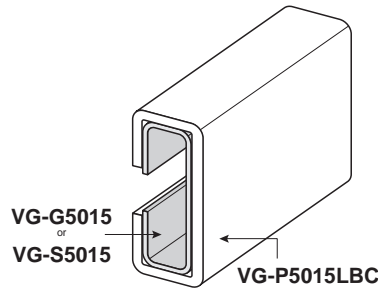
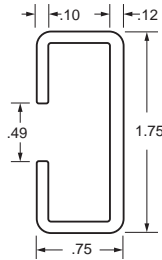
Part Number	Length (ft.)
VG-P5015BC-10	10
VG-P5015BC-20	20

*HSS-0824B equivalent*

## P5015LBC

### UHMW Cover

For use with VG-G5015 or VG-S5015 rail or any 1/2 x 1-1/2 bar.



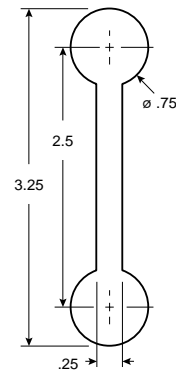
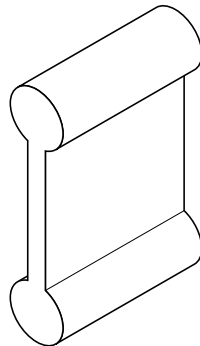
**Material:** UHMW

Part Number	Length (ft.)
VG-P5015LBC-10	10
VG-P5015LBC-20	20

Also shown on [page 74](#).

## P2.5DB

### Dogbone



**Material:** UHMW

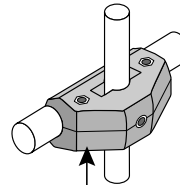
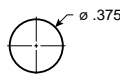
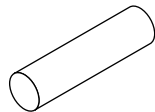
Part Number	Length (ft.)
VG-P2.5DB-10	10
VG-P2.5DB-20	20

*HSS-1252 equivalent*

## P38

### 3/8 UHMW Round Bar

Can be used with VG-021-03.



VG-021-

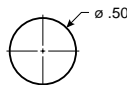
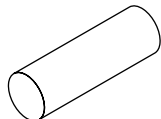
**Material:** UHMW

Part Number	Dia.	Length (ft.)
VG-P38RDBAR-10	3/8	10
VG-P38RDBAR-20	3/8	20

## P12

### 1/2 UHMW Round Bar

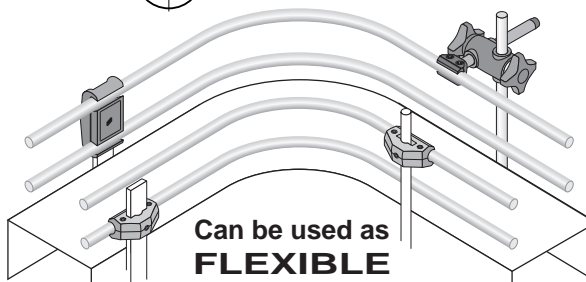
Can be used with VG-032-12-, VG-021-02 or VG-019-12.



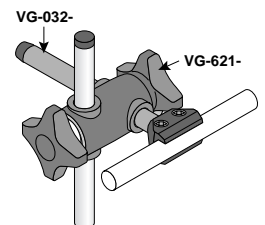
**Material:** UHMW

Part Number	Dia.	Length (ft.)
VG-P12RDBAR-10	1/2	10
VG-P12RDBAR-20	1/2	20

See [pages 40-41](#) for more information, including 1/2" stainless steel rod.



Can be used as **FLEXIBLE** guides or rails!





# Flight Edging

## Flight Edging

Made from low friction, low wear, corrosive resistant UHMW, flight edging is a proven value that can extend the life of new screws and salvage existing ones with worn edges. It has also proven beneficial on inclined conveyors by safely reducing the clearance between screw and trough, helping to minimize fall-back of smaller particles.

Flight edging is simply installed by winding the material around the shaft between the flights, then starting at one end, progressively tapping the extrusion onto the edge of the flight with a block or hammer. A fastener is required at the leading edge to hold flight edging in place.

All flight edging is UV stabilized to reduce the effects of ultraviolet radiation. This will significantly improve the life of the profile when exposed to direct sunlight, yet will not degrade any of the other desirable properties of the UHMW.

Improve clean-out of troughs

UV stabilized for outdoor use

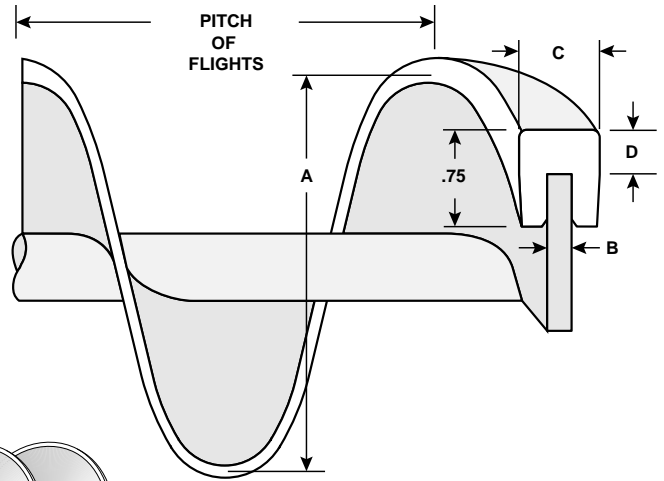
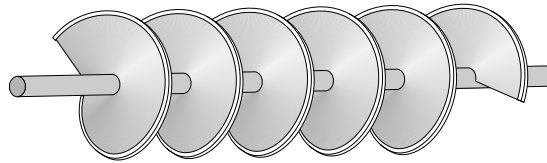
Reduce fall-back on inclined screws

Eliminate hangers on shorter screws

Use with helicoid or sectional flights

Quick installation and replacement

Reduce noise and wear

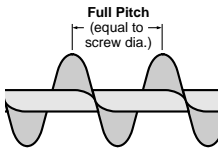


Material: UHMW

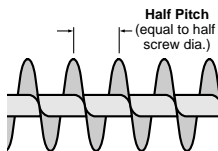
Nolu Part Number, 50 ft.	Valu Guide equivalent, 50 ft.	Nolu Part Number, 100 ft.	Valu Guide equivalent, 100 ft.	A Screw Dia. (in.)	B Flight Thickness	C Profile Width	D Profile Thickness
SCX-6-1/16-50	VFE4-6-063-50	SCX-6-1/16-100	VFE4-6-063-100	6	1/16 (.063)	.437	.350
SCX-6-1/34-50	VFE4-6-134-50	SCX-6-1/34-100	VFE4-6-134-100	6	1/8 (.125)	.437	.350
SCX-6-1/34-50	VFE4-6-134-50	SCX-6-1/34-100	VFE4-6-134-100	6	.134	.437	.350
SCY-6-3/16-50	VFE6-6-188-50	SCY-6-3/16-100	VFE6-6-188-100	6	3/16 (.188)	.625	.350
SCX-9-104-50	-	SCX-9-104-100	-	9	3/32 (.094)	.437	.350
SCX-9-104-50	-	SCX-9-104-100	-	9	.104	.437	.350
SCX-9-134-50	VFE4-9-134-50	SCX-9-134-100	VFE4-9-134-100	9	.134	.437	.350
SCY-9-3/16-50	VFE6-9-188-50	SCY-9-3/16-100	VFE6-9-188-100	9	3/16 (.188)	.625	.350
SCY-9-1/4-50	VFE6-9-250-50	SCY-9-1/4-100	VFE6-9-250-100	9	7/32 (.219)	.625	.350
SCY-9-1/4-50	VFE6-9-250-50	SCY-9-1/4-100	VFE6-9-250-100	9	1/4 (.250)	.625	.350
-	VFE7-9-375-50	-	VFE7-9-375-100	9	3/8 (.375)	.750	.350
SCY-9-3/8-50	-	SCY-9-3/8-100	-	9	3/8 (.375)	.625	.350
SCX-12-134-50	VFE4-12-134-50	SCX-12-134-100	VFE4-12-134-100	12	1/8 (.125)	.437	.350
SCX-12-134-50	VFE4-12-134-50	SCX-12-134-100	VFE4-12-134-100	12	.134	.437	.350
SCY-12-3/16-50	VFE6-12-188-50	SCY-12-3/16-100	VFE6-12-188-100	12	3/16 (.188)	.625	.350
SCY-12-1/4-50	VFE6-12-250-50	SCY-12-1/4-100	VFE6-12-250-100	12	1/4 (.250)	.625	.350
-	VFE7-12-375-50	-	VFE7-12-375-100	12	3/8 (.375)	.750	.350
SCY-12-3/8-50	-	SCY-12-3/8-100	-	12	3/8 (.375)	.625	.350
SCX-16-134-50	VFE4-16-134-50	SCX-16-134-100	VFE4-16-134-100	16	.134	.437	.350
SCY-16-1/4-50	VFE6-16-250-50	SCY-16-1/4-100	VFE6-16-250-100	16	7/32 (.219)	.625	.350
SCY-16-1/4-50	VFE6-16-250-50	SCY-16-1/4-100	VFE6-16-250-100	16	1/4 (.250)	.625	.350
-	VFE7-16-375-50	-	VFE7-16-375-100	16	3/8 (.375)	.750	.350
SCY-16-3/8-50	-	SCY-16-3/8-100	-	16	3/8 (.375)	.625	.350
SCY-20-1/4-50	VFE6-20-250-50	SCY-20-1/4-100	VFE6-20-250-100	20	1/4 (.250)	.625	.350
-	VFE7-20-375-50	-	VFE7-20-375-100	20	3/8 (.375)	.750	.350
SCY-24-1/4-50	VFE6-24-250-50	SCY-24-1/4-100	VFE6-24-250-100	24	1/4 (.250)	.625	.350
-	VFE7-24-375-50	-	VFE7-24-375-100	24	3/8 (.375)	.750	.350
SCY-24-3/8-50	-	SCY-24-3/8-100	-	24	3/8 (.375)	.625	.350
SCY-24-3/16-50	-	SCY-24-3/16-100	-	24	3/16 (.188)	.625	.350

To determine approximate amount of edging required (in feet), use the following formulas:

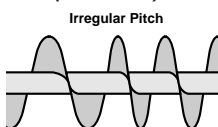
For Full Pitch Screws:  
**Length of conveyor section in feet x 3.4**



For Half Pitch Screws:  
**Length of conveyor section in feet x 6.7**



For Irregular Pitch Screws:  
**Number of pitches x dia. (in inches) x .283**

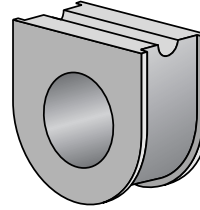
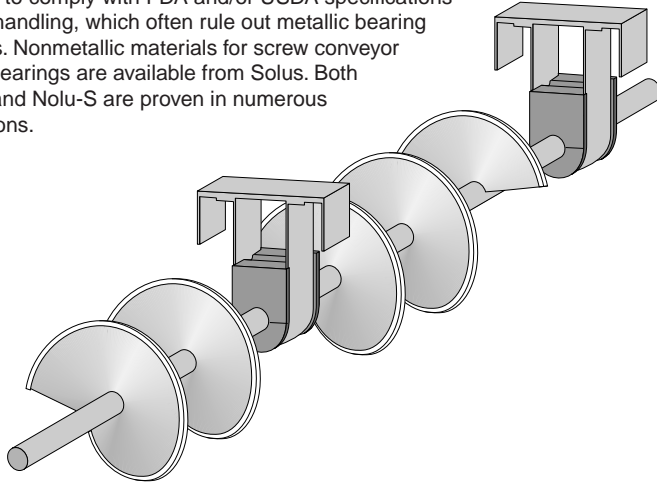




## Hanger Bearings

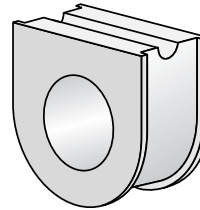
Screw Conveyor Hanger Bearings are designed to support the center shaft of a feed screw, and are exposed to all media or products being conveyed. The bearing material used for screw conveyors must be carefully selected in order to withstand the environmental conditions and the presence of abrasive materials.

In some applications, material selection is further limited by the need to comply with FDA and/or USDA specifications for food handling, which often rule out metallic bearing materials. Nonmetallic materials for screw conveyor hanger bearings are available from Solus. Both UHMW and Nolu-S are proven in numerous applications.



**Nolu-S**

Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.



**UHMW**

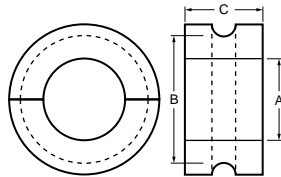
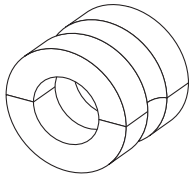
H series hanger bearings are manufactured from UHMW, the most abrasion resistant, low friction thermoplastic created. This material complies with FDA and USDA specifications for direct food contact applications. Impact loads will not crack these even at low temperature.

UHMW Covers & Aluminum Rails

## HAA

### Hanger Bearing

Hanger styles: 17-18B-19B-40



Bearings of other dimensions or manufactured from other engineered plastics can be made readily available.

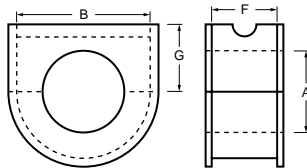
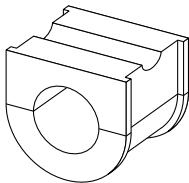
**Material:** UHMW, Nolu-S

UHMW	Nolu-S	A	B	C
HAA-1624	SAA-1624	1	1-1/2	1-7/16
HAA-2432	SAA-2432	1-1/2	2	1-15/16
HAA-2438	SAA-2438	1-1/2	2-3/8	1-15/16
HAA-3248	SAA-3248	2	3	1-15/16
HAA-3959	SAA-3959	2-7/16	3-11/16	2-15/16
HAA-4866	SAA-4866	3	4-1/8	2-15/16

## HAB

### Hanger Bearing

Hanger styles: 16B-216-216F-230-316

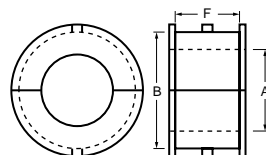
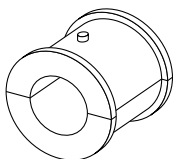


UHMW	Nolu-S	A	B	F	G
HAB-1625	SAB-1625	1	1-9/16	1-1/8	1
HAB-2436	SAB-2436	1-1/2	2-1/4	1-3/8	1-3/8
HAB-3252	SAB-3252	2	3-1/4	1-5/8	1-5/8
HAB-3964	SAB-3964	2-7/16	4	1-5/8	2-1/8
HAB-4872	SAB-4872	3	4-1/2	2-1/8	2-1/4
HAB-5578	SAB-5578	3-7/16	4-7/8	2-11/16	2-7/16

## HAC

### Hanger Bearing

Hanger styles: 20B-26B-28B-220-226-326



UHMW	Nolu-S	A	B	C
HAC-1624	SAC-1624	1	1-1/2	1-1/16
HAC-2434	SAC-2434	1-1/2	2-1/8	1-9/16
HAC-3244	SAC-3244	2	2-3/4	1-9/16
HAC-3952	SAC-3952	2-7/16	3-1/4	2-3/8
HAC-4864	SAC-4864	3	4	2-3/8
HAC-5576	SAC-5576	3-7/16	4-3/4	3-1/8

Shaded items are "Off The Shelf" stock items.



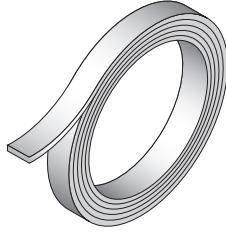
# UHMW Tape Rolls



## VGT

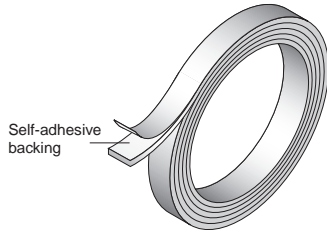
### Standard UHMW Coiled Strip

Available in standard 50ft. rolls. Longer lengths available. Fast UPS shipping. Easy to cut, no saw required. Easy to install. Rivets can be used with 1/8" material.



### Adhesive Backed UHMW Coiled Strip

Allows strip to be quickly and easily mounted.



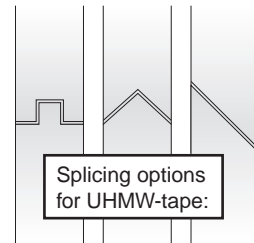
**Note: Maximum thickness for all UHMW coiled strips is 1/8".**

### "Off the Shelf" Sizes\*

Material: UHMW in 50 ft. coils

Standard coiled strip	Adhesive backed coiled strip	Thickness (in.)	Width (in.)
VGT-0612-050	VGT-0612PS-050	1/16	3/4
VGT-0616-050	VGT-0616PS-050	1/16	1
VGT-0624-050	VGT-0624PS-050	1/16	1-1/2
VGT-0632-050	VGT-0632PS-050	1/16	2
VGT-1212-050	VGT-1212PS-050	1/8	3/4
VGT-1216-050	VGT-1216PS-050	1/8	1
VGT-1224-050	VGT-1224PS-050	1/8	1-1/2
VGT-1232-050	VGT-1232PS-050	1/8	2

\*Other sizes available as special order



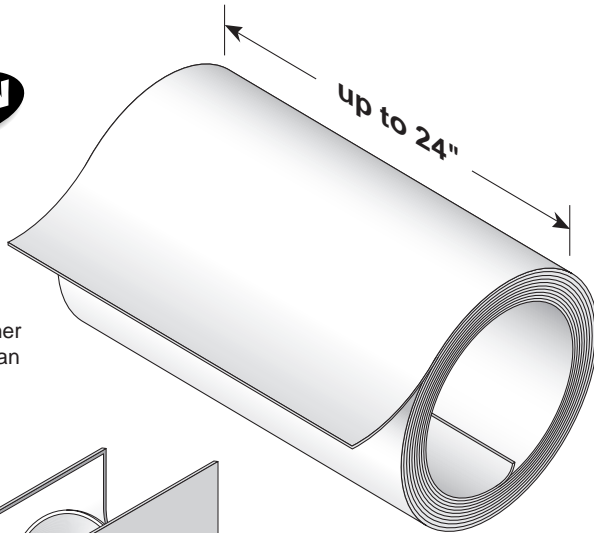
UHMW Covers & Aluminum Rails

**NEW**

## VGRU

### Roll UHMW

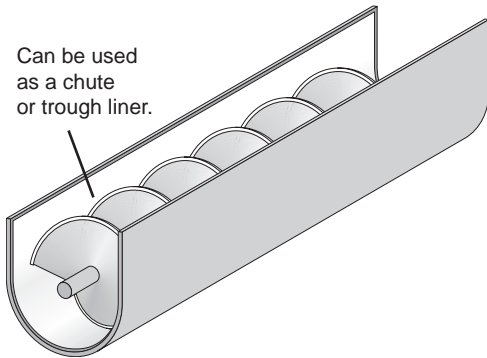
Available in standard 50 ft. rolls. Longer lengths and other materials available. Rivets can be used with 1/8" material.



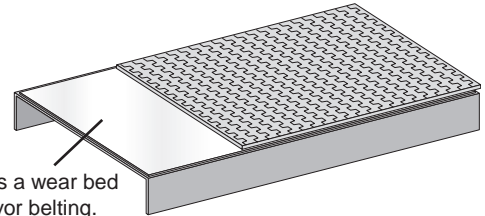
Material: UHMW in 50 ft. coils

Part Number	Thickness (in.)	Width (in.)
VGRU-116-6-50	1/16	6
VGRU-116-12-50	1/16	12
VGRU-116-18-50	1/16	18
VGRU-116-24-50	1/16	24
VGRU-18-6-50	1/8	6
VGRU-18-12-50	1/8	12
VGRU-18-18-50	1/8	18
VGRU-18-24-50	1/8	24

Can be used as a chute or trough liner.



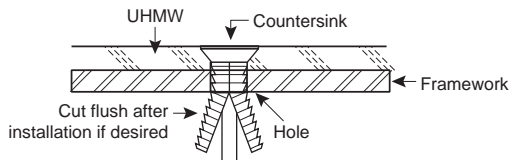
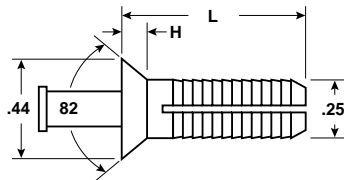
Can be used as a wear bed for wide conveyor belting.



## 750

### Drive Rivet

Used to attach wear strips to metal or plastic frames. Can be used for slotted holes with washer. Head can be mounted flush with thinner wear strips using standard countersink. Rivets wear at the same rate as wear strips, and will not cut into chains. Easily installed into .257 dia. (F drill), blind or thru hole. Maximum continuous service temperature: 180° F.



Material: Polyamide rivet. Acetal pin.

Part Number	L	H	Grip (Min.)	Grip (Max.)
VG-750-10	.75	.111	.188	.5
VG-750-20	1.0	.111	.25	.75
VG-750-30	1.5	.111	.375	1.25

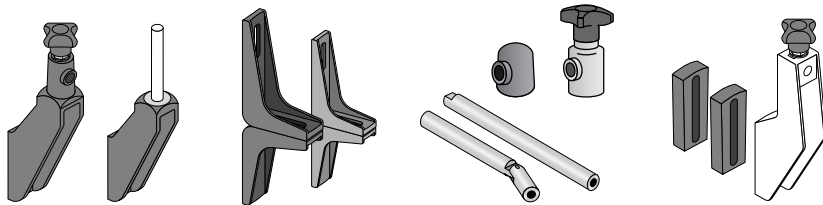
Drive Rivets sold in bags of 100.



## Section Overview

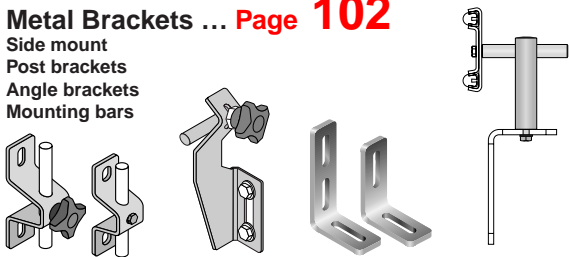
### Polyamide Brackets ... Page 85

- Standard duty
- Heavy duty
- Swivel caps
- Adjusting rods
- Angle brackets
- Knobs
- Spacers



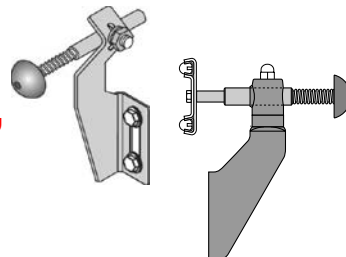
### Metal Brackets ... Page 102

- Side mount
- Post brackets
- Angle brackets
- Mounting bars



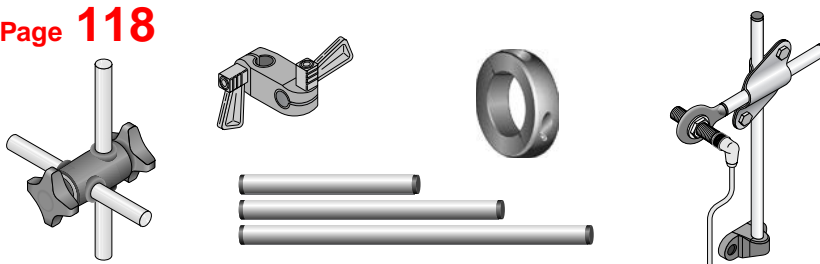
### SpeedSet ...

**93-97,  
106-107,  
109-111**



### Positioning ... Page 118

- Cross blocks
- Shaft collars
- Accessory mounts
- Support rods



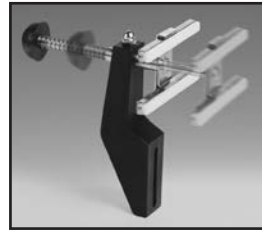
# Valu Guide™ Brackets

The Ultimate in Adjustability and Cost Savings

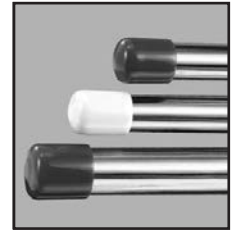
Valu Guide brackets are part of a family of products that work together to make guide rail adjusting easy. A variety of bracket styles and materials combined with accessories such as spacers, knobs, and adjusting rods are designed for maximum versatility. Every bracket has been designed to meet the needs of the demanding environments in which they are used. From a simple fixed metal bracket to our newest Speed-Set bracket, you will find a solution to meet your application and cost requirements.



L Brackets



SpeedSet™ Brackets



Adjusting Rods and Caps



Adjusting knobs eliminate the need for tools when repositioning guide rail.

Brackets & Position Components

Swivel caps are available in a variety of heights and materials for some bracket styles. Stacking rings can be used for additional height requirements.

A complete line of adjusting rods is available for all Valu Guide bracket styles.

Valu Guide brackets are manufactured from engineered plastics designed to offer the optimum in strength and resistance to corrosion.



All fittings and hardware are made from corrosion resistant materials. The eyelets provide excellent gripping strength on the adjusting rods without marring the rod which means longer, trouble free life.

The VG-210 bracket shown can also be configured with the adjusting knob on the side of the bracket body.

Some molded brackets come with a lip which allows for single bolt mounting and helps to square the bracket with the conveyor.

Spacers can be used to offset the bracket from the mounting location.

Mounting slots instead of holes allow for bracket adjustment after initial installation.

**VG-210 shown  
see page 88.**

# Guide Rail Brackets



## Guide Rail Brackets

Valu Guide brackets offer the ultimate in guide rail adjustability. Choose from bolt tightening assemblies or hand knob tightening assemblies that eliminate the need for tools. Use Valu Guide spacers, adapters, and stacking rings for even greater bracket versatility. Valu Guide also offers a full line of adjusting rods designed for use with each bracket.



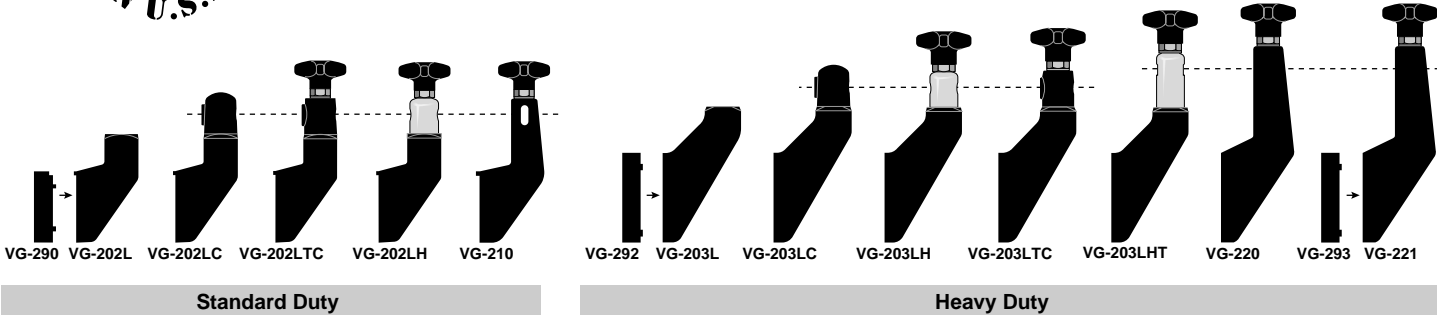
## Quality products start with quality materials.

### Polyamide

The characteristics of **polyamide (PA)** resin make it an excellent material choice for molded component parts that must stand up to demanding industrial applications. Valu Guide uses reinforced polyamide (nylon) to provide our customers with products that are dimensionally stable, have very high mechanical strength, high rigidity and toughness, resistance to heat deformation, and satisfactory chemical resistance. Continuous operating temperature range: -4°F to +190°F. Withstands intermittent temperatures up to 215°F.

### Polypropylene

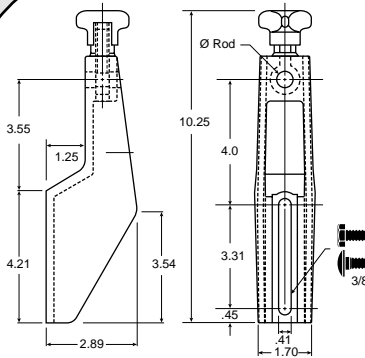
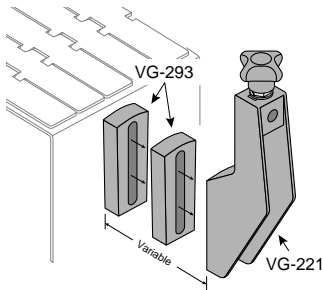
For applications that require even greater resistance to chemicals, selected Valu Guide parts are also available in reinforced **polypropylene (PP)**. Continuous operating temperature range: -40°F to +190°F. Withstands intermittent temperatures up to 215°F.



## 221

### Heavy Duty Guide Rail Bracket

Longer slots allow mounting bolt centers up to 3 inches.



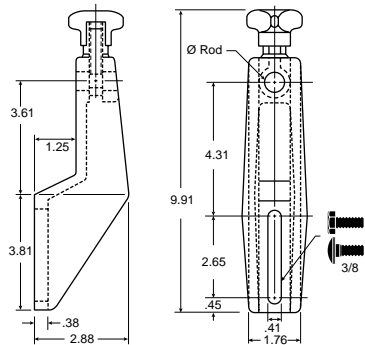
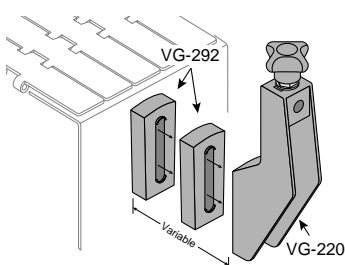
**Material:** Polyamide (PA) or polypropylene (PP) bracket body and knob. Nickel plated brass knob bushing. Stainless steel hardware.

Part Number	Ø Rod	Material
VG-221-12	1/2	PA
VG-221-58	5/8	PA
VG-221-34	3/4	PA
VG-221PP-12	1/2	PP
VG-221PP-58	5/8	PP
VG-221PP-34	3/4	PP

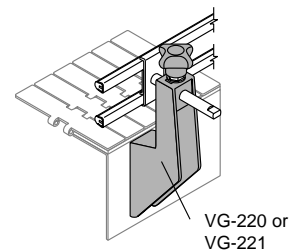
## 220

### Heavy Duty Guide Rail Bracket

Guide rail support where lateral adjustment is needed.



Part Number	Ø Rod	Material
VG-220-12	1/2	PA
VG-220-58	5/8	PA
VG-220-34	3/4	PA
VG-220PP-12	1/2	PP
VG-220PP-58	5/8	PP
VG-220PP-34	3/4	PP



Brackets & Position Components

# Guide Rail Brackets

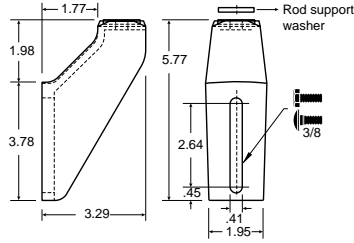
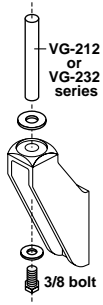


## 203L

### Bracket Body

For use with threaded adjusting rod and cross blocks where vertical and horizontal adjustment is needed.

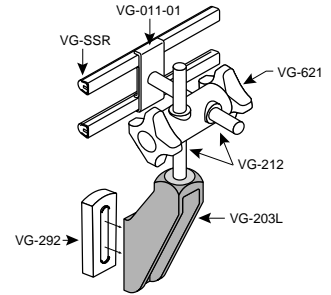
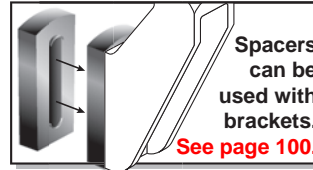
Rod not included.



**Material:** Polyamide bracket body. Stainless steel washer.

Part Number

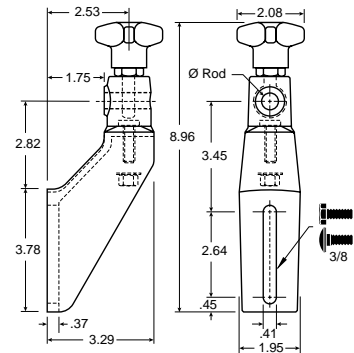
**VG-203L**



## 203LTC

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



**Material:** Polyamide bracket body, transition cap and knob. Stainless steel hardware.

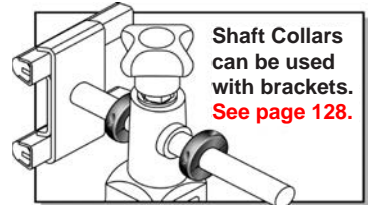
Part Number

Ø Rod

**VG-203LTC-12** 1/2

**VG-203LTC-58** 5/8

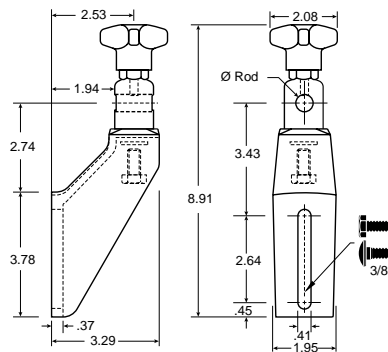
**VG-203LTC-34** 3/4



## 203LHS

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



**Material:** Polyamide bracket body and knob. Stainless steel swivel cap and hardware.

Part Number

Ø Rod

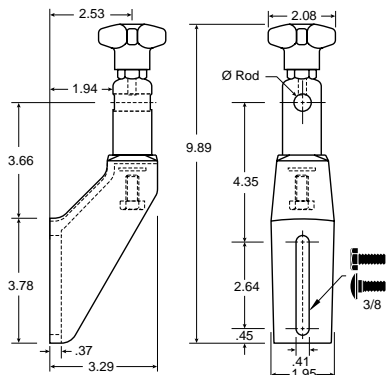
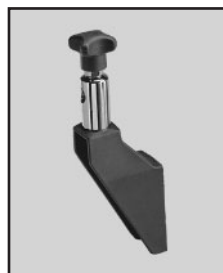
**VG-203LHS-12** 1/2

**VG-203LHS-58** 5/8

## 203LHTS

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



**Material:** Polyamide bracket body and knob. Stainless steel swivel cap and hardware.

Part Number

Ø Rod

**VG-203LHTS-12** 1/2

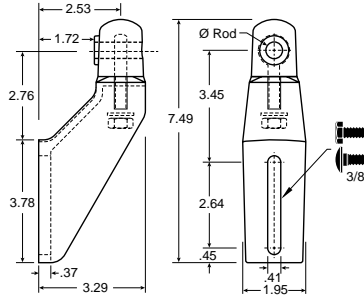
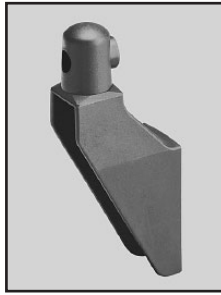
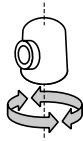
**VG-203LHTS-58** 5/8



## 203LC

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required. VG-CTOP swivel cap only is on page 89.



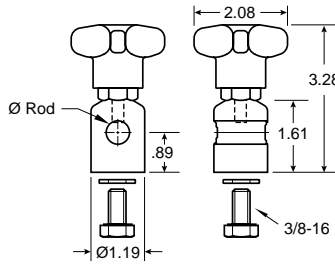
**Material:** Polyamide bracket body, cap and knob. Stainless steel hardware.

Part Number	Ø Rod
<b>VG-203LC-12</b>	<b>1/2</b>
<b>VG-203LC-58</b>	<b>5/8</b>

## 203HS

### Swivel Cap Assembly

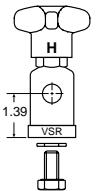
Support for guide rails where swivel adjustment is required. For use on VG-203L body.



**Material:** Stainless steel cap and hardware. Polyamide knob.

Part Number	Ø Rod
<b>VG-203HS-12</b>	<b>1/2</b>
<b>VG-203HS-58</b>	<b>5/8</b>

*Note: When stacking rings are used, rod center line changes and a longer bolt is required.*

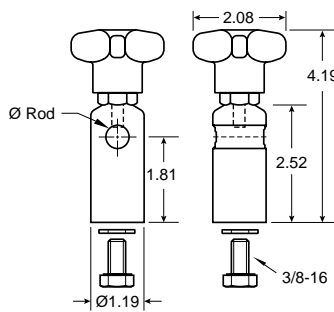
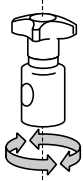


Bolt Part# 10018  
3/8-16 x 1 1/4

## 203HTS

### Swivel Cap Assembly

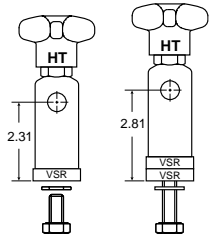
Support for guide rails where swivel adjustment is required. For use on VG-203L body.



**Material:** Stainless steel cap and hardware. Polyamide knob.

Part Number	Ø Rod
<b>VG-203HTS-12</b>	<b>1/2</b>
<b>VG-203HTS-58</b>	<b>5/8</b>

*Note: When stacking rings are used, rod center line changes and a longer bolt is required.*



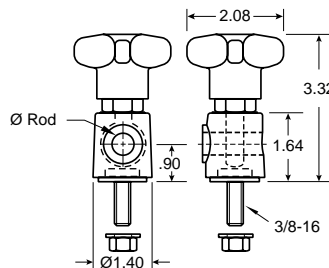
Bolt Part# 10018  
3/8-16 x 1 1/4

Bolt Part# 10011  
3/8-16 x 2

## 203TC

### Transition Cap Assembly

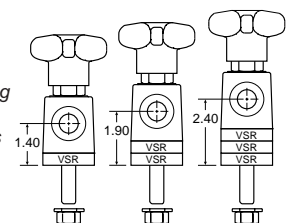
Support for guide rails where swivel adjustment is required. For use on VG-203L body.



**Material:** Polyamide cap and knob. Stainless steel eyelet and nut.

Part Number	Ø Rod
<b>VG-203TC-12</b>	<b>1/2</b>
<b>VG-203TC-58</b>	<b>5/8</b>
<b>VG-203TC-34</b>	<b>3/4</b>

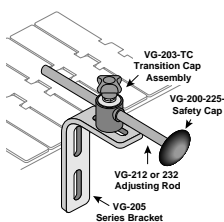
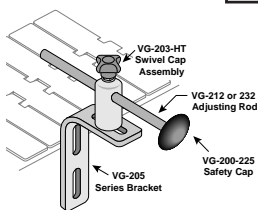
*Note: When stacking rings are used, rod center line changes and a longer bolt is required.*



Bolt Part#10018  
3/8-16 x 1 1/4

Bolt Part#10011  
3/8-16 x 2

Bolt Part#10009  
3/8-16 x 2 1/2



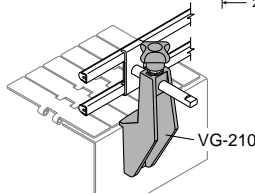
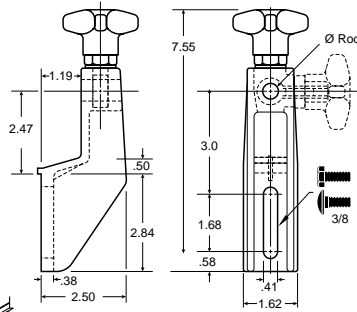
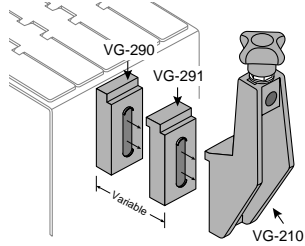
# Guide Rail Brackets



## 210

### Guide Rail Bracket

Guide rail support where lateral adjustment is needed.



**Material:** Polyamide (PA) or polypropylene (PP) bracket body and knob. Nickel plated brass knob bushing. Stainless steel hardware.

Part Number	Ø Rod	Material
VG-210-12	1/2	PA
VG-210-58	5/8	PA
VG-210-34	3/4	PA
VG-210PP-12	1/2	PP
VG-210PP-58	5/8	PP
VG-210PP-34	3/4	PP

*Brackets without positioning lip*

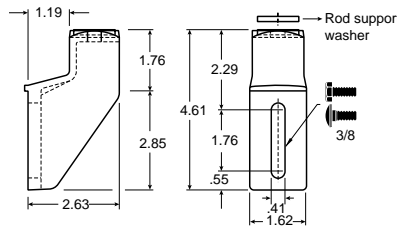
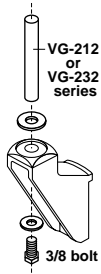
VG-210F-12	1/2	PA
VG-210F-58	5/8	PA
VG-210F-34	3/4	PA
VG-210FPP-12	1/2	PP
VG-210FPP-58	5/8	PP
VG-210FPP-34	3/4	PP

## 202L

### Bracket Body

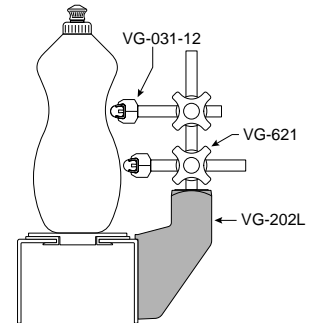
For use with threaded adjusting rod and cross blocks where vertical and horizontal adjustment is needed.

Rod not included.



**Material:** Polyamide bracket body. Stainless steel washer.

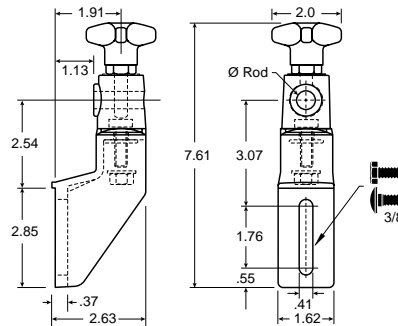
Part Number	Without positioning lip
VG-202L	VG-202FL



## 202LTC

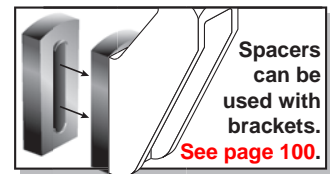
### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



**Material:** Polyamide bracket body, transition cap and knob. Stainless steel hardware.

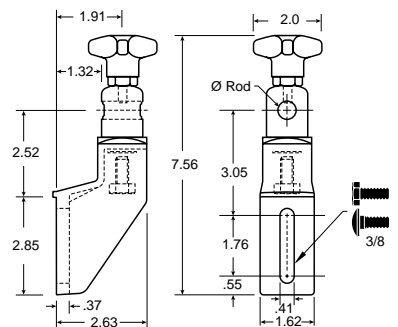
Part Number	Ø Rod
VG-202LTC-12	1/2
<i>Brackets without positioning lip</i>	
VG-202FLTC-12	1/2



## 202LHS

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



**Material:** Polyamide bracket body and knob. Stainless steel swivel cap and hardware.

Part Number	Ø Rod
VG-202LHS-12	1/2
<i>Brackets without positioning lip</i>	
VG-202FLHS-12	1/2

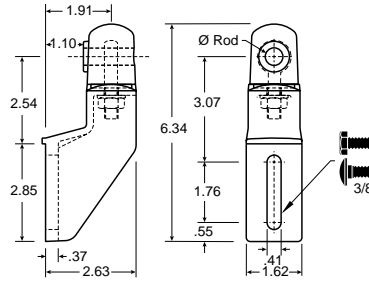
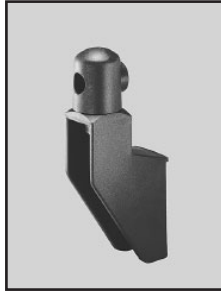
# Guide Rail Brackets



## 202LC

### Swivel Bracket

Support for guide rails where both horizontal and swivel adjustment is required.



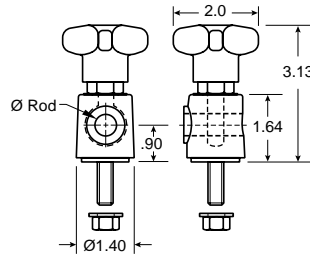
**Material:** Polyamide bracket body, cap and knob. Stainless steel hardware.

Part Number	Ø Rod
<b>VG-202LC-12</b>	<b>1/2</b>
<i>Brackets without positioning lip</i>	
<b>VG-202FLC-12</b>	<b>1/2</b>

## 202TC

### Transition Cap Assembly

Support for guide rails where swivel adjustment is required. For use on VG-202L body.



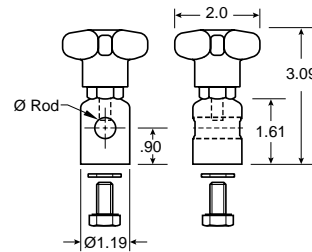
**Material:** Polyamide cap and knob. Stainless steel eyelet and nut.

Part Number	Ø Rod
<b>VG-202TC-12</b>	<b>1/2</b>

## 202HS

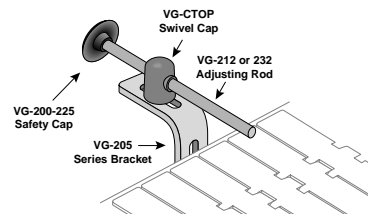
### Swivel Cap Assembly

Support for guide rails where swivel adjustment is required. For use on VG-202L body.



**Material:** Stainless steel cap and hardware. Polyamide knob.

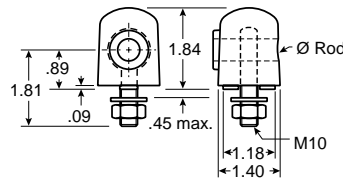
Part Number	Ø Rod
<b>VG-202HS-12</b>	<b>1/2</b>



## CTOP

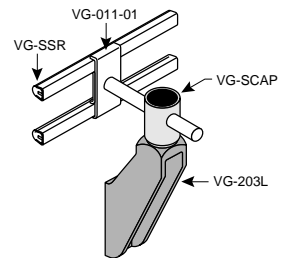
### Swivel Cap

Support for guide rails where swivel adjustment is required. For use on VG-202L and VG-203L bracket bodies or other mounting surfaces.



**Material:** Polyamide cap. Stainless steel eyelet and nut.

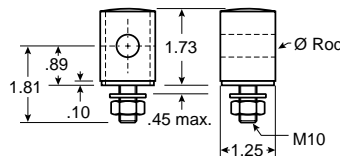
Part Number	Ø Rod
<b>VG-CTOP-12</b>	<b>1/2</b>
<b>VG-CTOP-58</b>	<b>5/8</b>



## SCAP

### Stainless Swivel Cap

Support for guide rails where swivel adjustment is required. For use on VG-202L and VG-203L bracket bodies or other mounting surfaces.



**Material:** Stainless steel cap eyelet and nut.

Part Number	Ø Rod
<b>VG-SCAP-12</b>	<b>1/2</b>
<b>VG-SCAP-58</b>	<b>5/8</b>

Brackets & Position Components



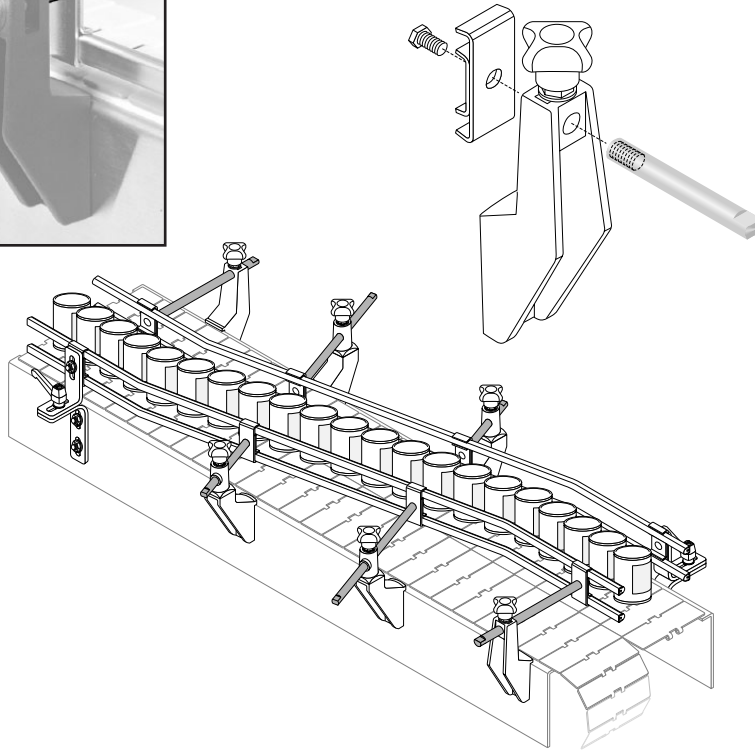
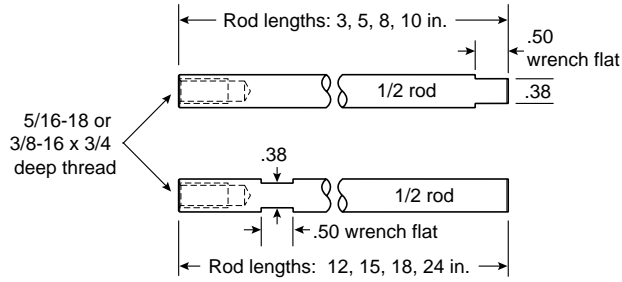
# Adjusting Rods



## 212

### 1/2 Adjusting Rod

Connects to VG-011, VG-012, VG-016 and VG-018 style clips and clamps.



Material: 303 stainless steel.

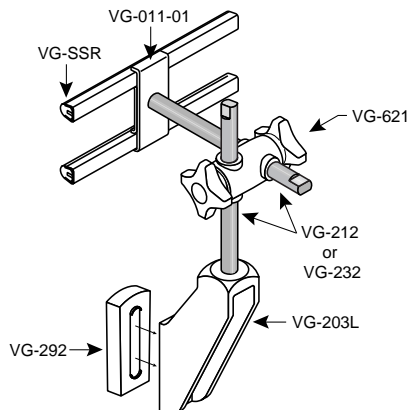
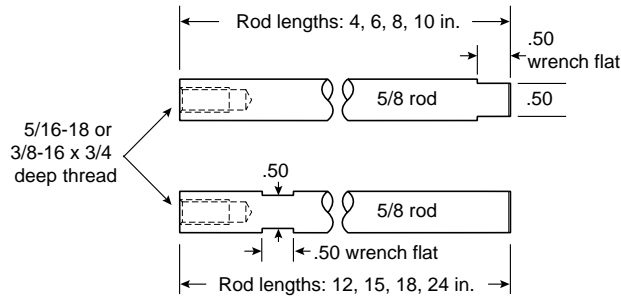
Part Number	Length (in.)	Tapped Thread
VG-212-3-516	3	5/16-18
VG-212-3-38	3	3/8-16
VG-212-5-516	5	5/16-18
VG-212-5-38	5	3/8-16
VG-212-8-516	8	5/16-18
VG-212-8-38	8	3/8-16
VG-212-10-516	10	5/16-18
VG-212-10-38	10	3/8-16
VG-212-12-516	12	5/16-18
VG-212-12-38	12	3/8-16
VG-212-15-516	15	5/16-18
VG-212-15-38	15	3/8-16
VG-212-18-516	18	5/16-18
VG-212-18-38	18	3/8-16
VG-212-24-516	24	5/16-18
VG-212-24-38	24	3/8-16

Brackets & Position Components

## 232

### 5/8 Adjusting Rod

Connects to VG-011, VG-012, VG-016 and VG-018 style clips and clamps.



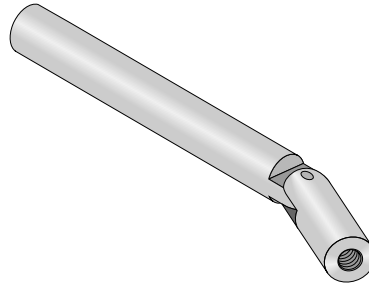
Part Number	Length (in.)	Tapped Thread
VG-232-4-516	4	5/16-18
VG-232-4-38	4	3/8-16
VG-232-6-516	6	5/16-18
VG-232-6-38	6	3/8-16
VG-232-8-516	8	5/16-18
VG-232-8-38	8	3/8-16
VG-232-10-516	10	5/16-18
VG-232-10-38	10	3/8-16
VG-232-12-516	12	5/16-18
VG-232-12-38	12	3/8-16
VG-232-15-516	15	5/16-18
VG-232-15-38	15	3/8-16
VG-232-18-516	18	5/16-18
VG-232-18-38	18	3/8-16
VG-232-24-516	24	5/16-18
VG-232-24-38	24	3/8-16



## 212J, 232J

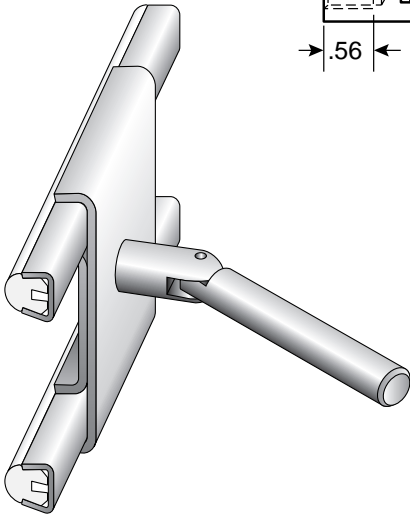
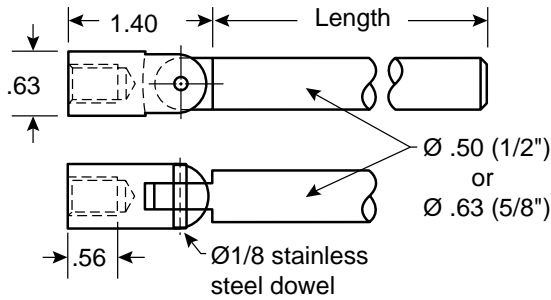
### Jointed Adjusting Rods: Tapped

Guide rail that has been formed into curves or angles can easily be positioned with Valu Guide Jointed Adjusting Rods. When used with Valu Guide brackets, spacers and rail clamps, the adjusting rods must be held in a parallel position for smooth adjustment while the pivoting clevis can be attached at various angles to the guide rail. A simple release of the bracket hand knobs allows the rails to be adjusted to the desired position.

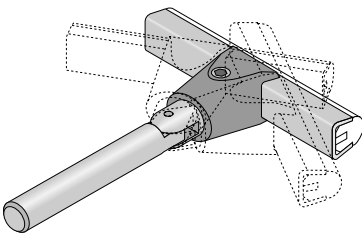


Material: 303 stainless steel.

Part Number	Ø (in.)	Length (in.)	Tapped Thread
VG-212J-3-516	1/2	3	5/16-18
VG-212J-3-38	1/2	3	3/8-16
VG-212J-5-516	1/2	5	5/16-18
VG-212J-5-38	1/2	5	3/8-16
VG-212J-7-516	1/2	7	5/16-18
VG-212J-7-38	1/2	7	3/8-16
VG-212J-9-516	1/2	9	5/16-18
VG-212J-9-38	1/2	9	3/8-16
VG-232J-4-516	5/8	4	5/16-18
VG-232J-4-38	5/8	4	3/8-16
VG-232J-6-516	5/8	6	5/16-18
VG-232J-6-38	5/8	6	3/8-16
VG-232J-8-516	5/8	8	5/16-18
VG-232J-8-38	5/8	8	3/8-16
VG-232J-10-516	5/8	10	5/16-18
VG-232J-10-38	5/8	10	3/8-16



Jointed rods can be used with VG-011 or VG-012 clamps. The cap screw can have a max. stud length of 5/8 inch.

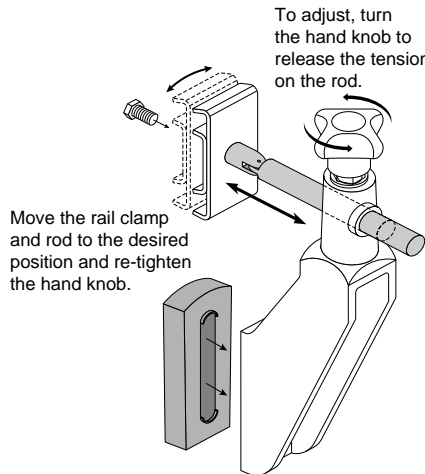


### Jointed Rods for Rod Ends

VG-019-12 and VG-020-01 use special grooved adjusting rods. Jointed versions of these rods can be found on [page 34](#).

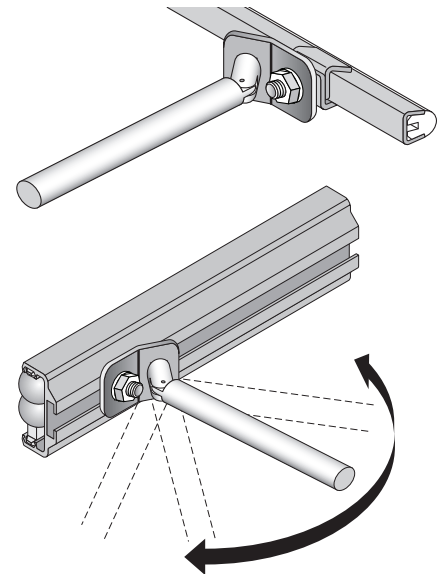
### Bracket Spacers for Jointed Rod Use

VG-290 series spacers may be required for proper set back of VG-202 and VG-203 brackets to allow for the jointed adjusting rod clevis extension.



### Special Clip for Jointed Rods and Fixed Threads.

Carriage bolts, captured hex bolts, or other threaded fasteners that do not rotate such as VG-018 or VG-015 rail clips, can attach to jointed rods with the new VG-040-01 clip. By using a hex head bolt to fasten the rod, the proper articulating plane can be maintained.



The VG-040-01 clip will also allow the use of a jointed rod when attaching to BeadRail or other products with fasteners that do not rotate.

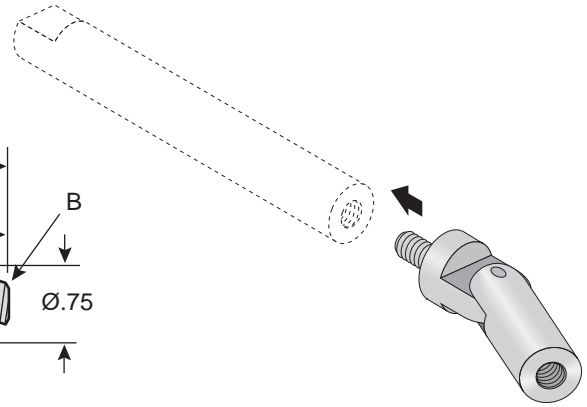
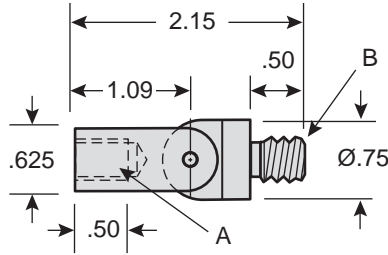


# SpeedSet Brackets

## 212JQ

### Jointed SpeedSet Rod Adapter

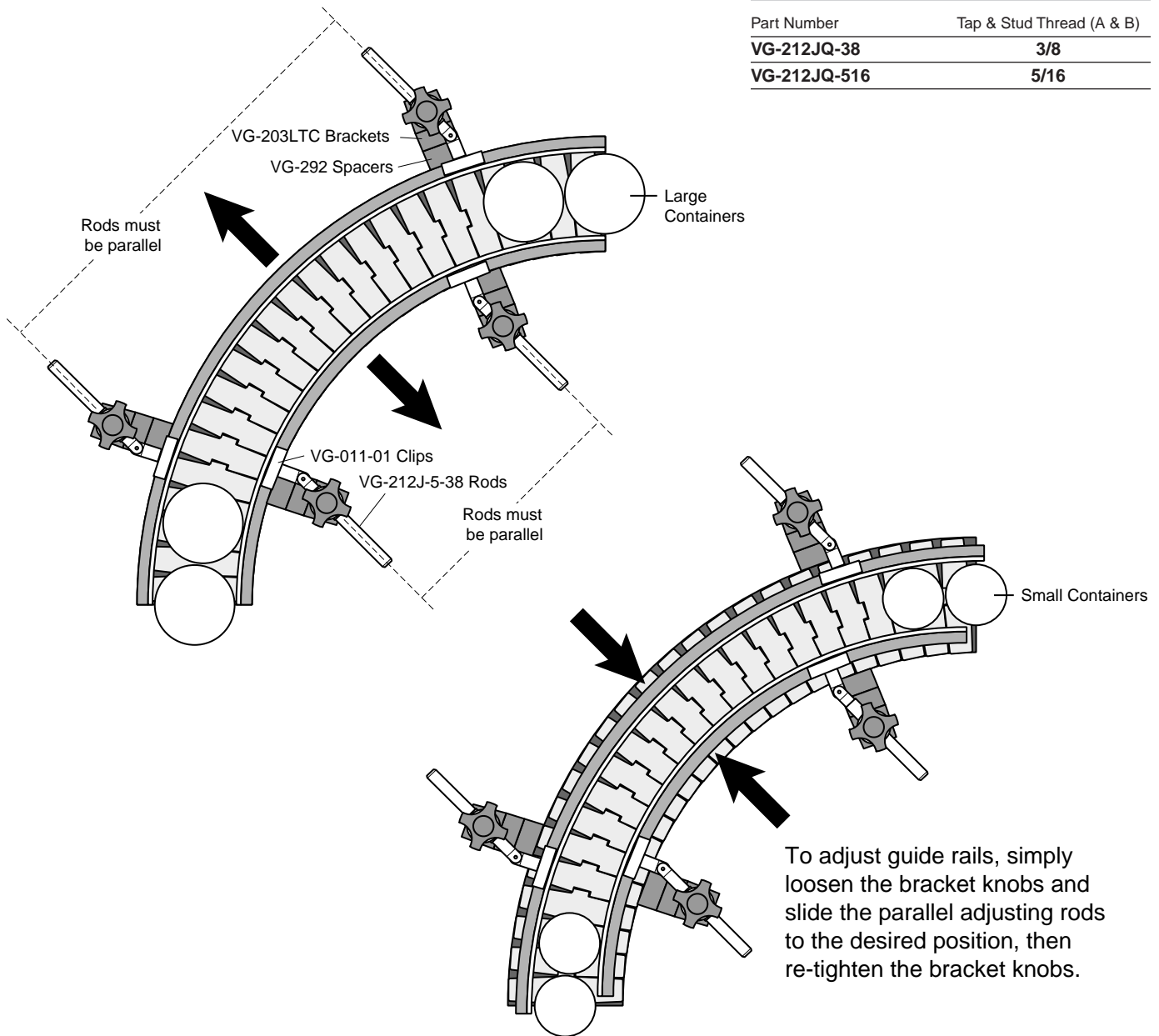
Threads into any 3/8 or 5/16 inch tapped SpeedSet rod to provide adjustability for positioning rails through a radius curve.



**Material:** Stainless steel.

Part Number	Tap & Stud Thread (A & B)
VG-212JQ-38	3/8
VG-212JQ-516	5/16

Brackets & Position Components

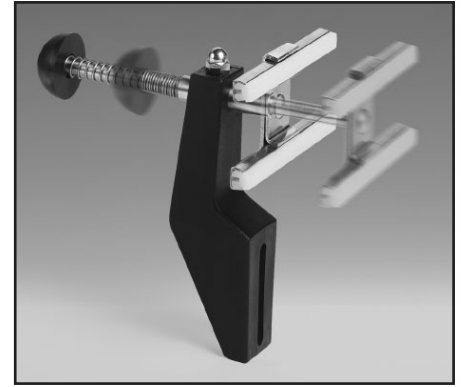


To adjust guide rails, simply loosen the bracket knobs and slide the parallel adjusting rods to the desired position, then re-tighten the bracket knobs.



## Fast, Accurate Changes!

SpeedSet™ Brackets solve conveyor line change problems...quickly. The benefit of SpeedSet is preset conveyor guide rail adjustability that is fast and accurate without the need for tools. SpeedSet is fast because a simple push on the end knob moves the rod, clamp, and guide rail. Within seconds, each rail holding point can be adjusted, saving valuable time on line changes. SpeedSet is accurate due to the innovative positioning spacer design. Customized to individual product requirements, positioning spacers accurately hold the rod and guide rail in position. Simply set the rails in "Home Position" for largest containers, and insert the positioning spacers for consistent spacing on smaller containers. Remove the blocks to return to the original "Home Position."



### Positioning Spacers

3 types available, [see page 96](#). Used to hold the rod in an extended position, insert positioning spacer between the rod sleeve and the guide rail holder. These spacers can be fabricated to provide a total of three positions within the Range of Travel (discussed later). One VG-QPC series spacer is included with each bracket.

### Piston Rod

Tapped piston rod can accept a wide variety of Valu Guide rail holders (double rail clamp shown).

### Rod Sleeve

The rod sleeve provides the reach to the largest conveyed container while the rod inside the sleeve adjusts to the smaller container.

Collar hangs loose on rod sleeve for "Home Position"

### Push Knob

The push knob is designed to have pressure applied to move the rod and guide rails into a new position.

### Spring

The spring maintains pressure which holds the positioning spacers and guide rail in place. When the positioning spacers are removed, the spring returns the guide rail to the "Home Position".

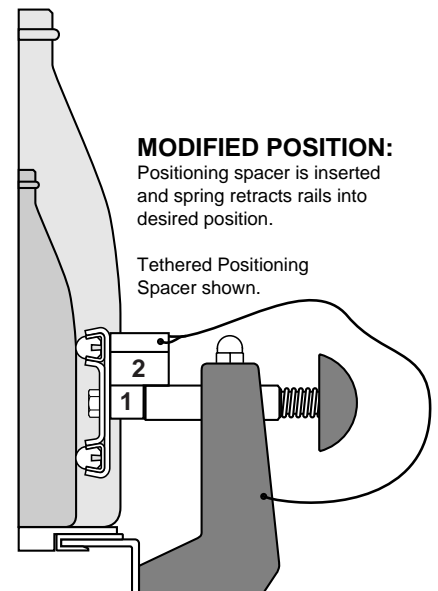
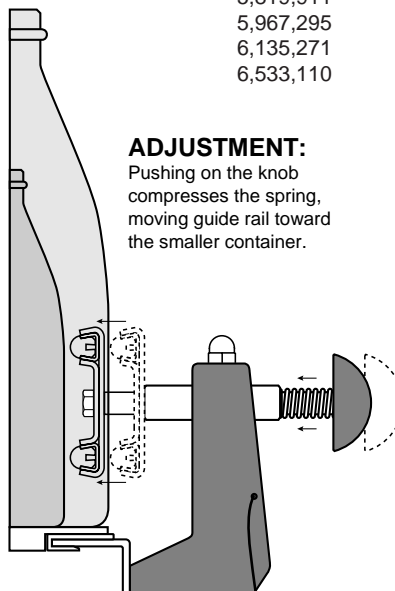
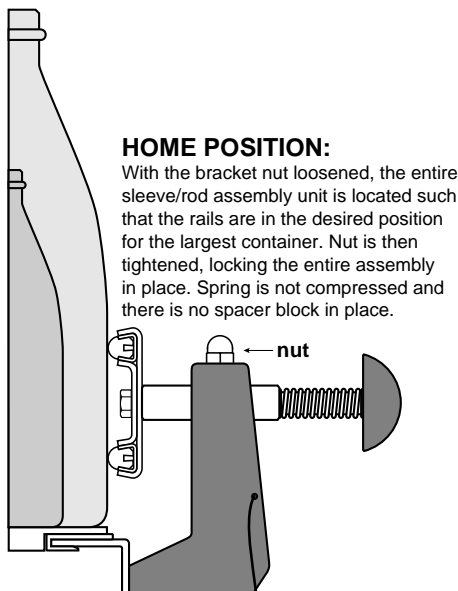
### Brackets

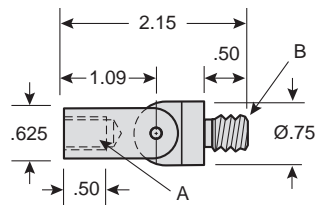
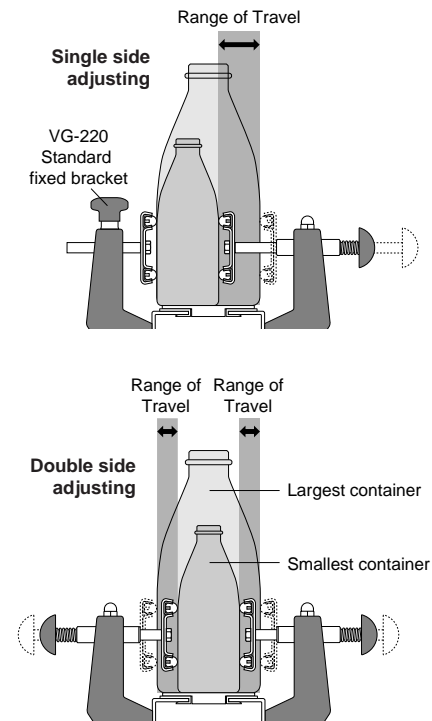
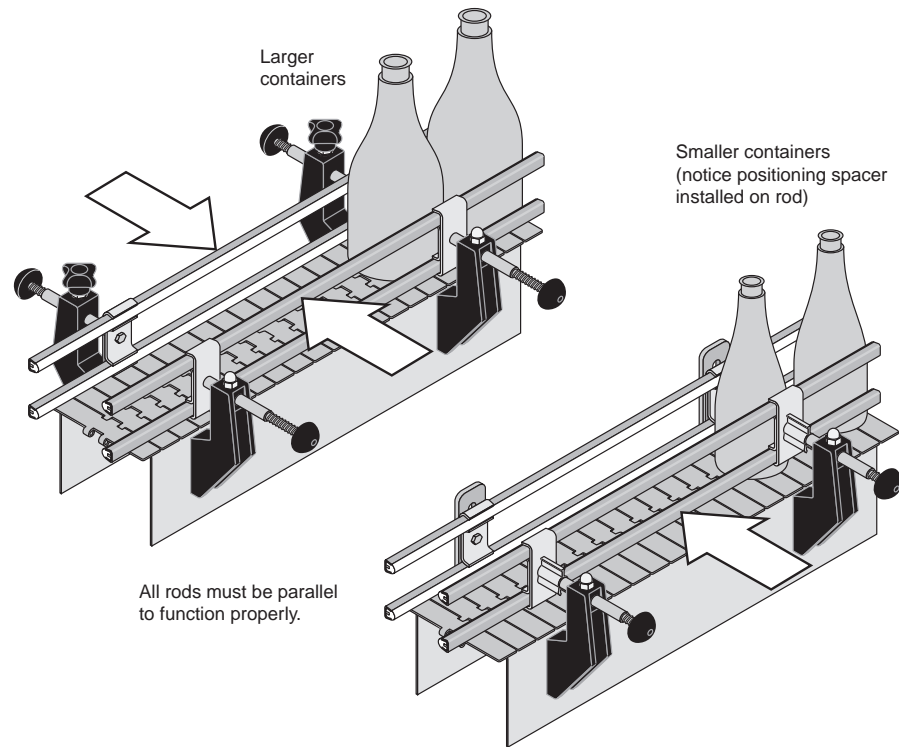
Valu Guide brackets are slotted to allow vertical height adjustment. The use of bracket spacers, swivel tops, and stacking rings allows virtually any conveyor line to take advantage of SpeedSet.



#### Patent Numbers

5,819,911  
5,967,295  
6,135,271  
6,533,110





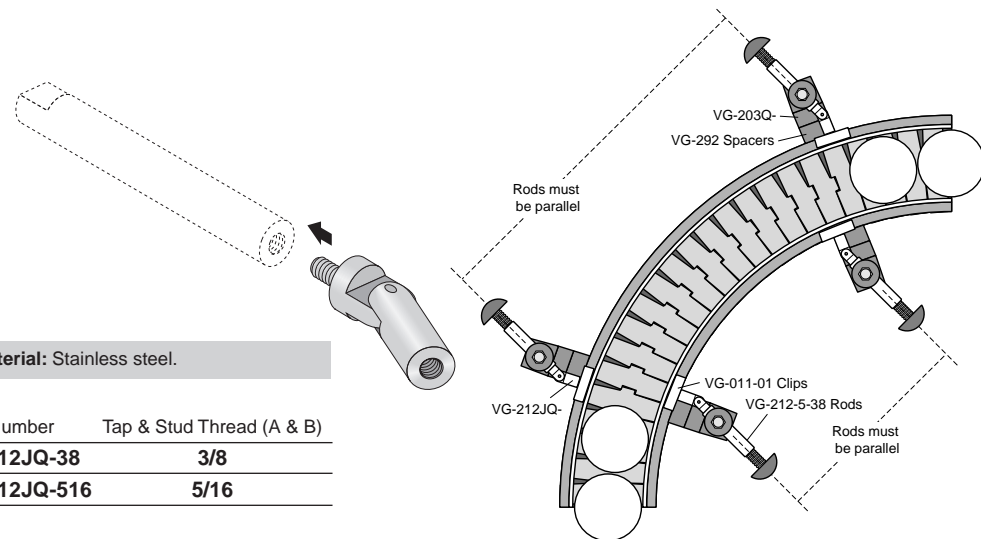
212JQ

Jointed SpeedSet Rod Adapter

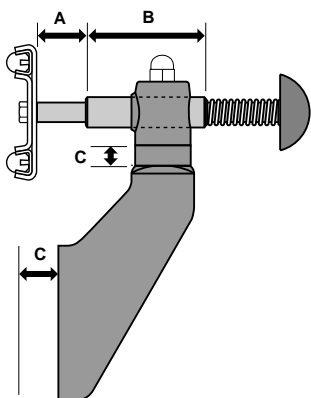
Threads into any 3/8 or 5/16 inch tapped SpeedSet rod to provide adjustability for positioning rails through a radius curve.

Material: Stainless steel.

Part Number	Tap & Stud Thread (A & B)
VG-212JQ-38	3/8
VG-212JQ-516	5/16



Types of Positioning



(A) Range of Rod Travel

Rod lengths provide either 1, 1.5 or 2.5 inches of travel from the end of the sleeve. Positioning spacers (page 96) are used to counter the force of the spring, and hold the rod and guide rails in an extended position. The spacer size determines the distance that the rails are positioned away from the sleeve and bracket. If no positioning spacers are used, the rod is retracted by the spring, and the rails are at "Home Position".

(B) Sleeve

The rod sleeve is available in 2, 3, and 5 inch lengths, and is positioned as needed in the bracket by tightening the acorn nut. Further rail adjustments should be made through the use of positioning spacers.

(C) Bracket

To help in finding the "Home Position" for the rod and guide rails, various bracket configurations can be used. Bracket sizes, bracket spacers, and stacking rings can be selected to best locate the rod. See page 100 for related components.



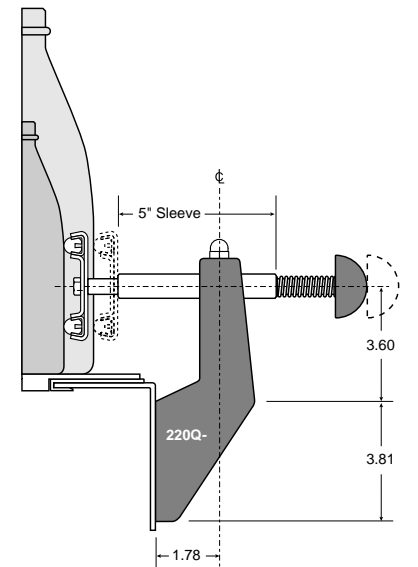
Step 1 Determining the Sleeve Length

The sleeve provides the reach needed to position the guide rails against the largest container. Valu Guide offers sleeves in 3", 4", and 5" lengths. Custom sleeve lengths are available. The sleeve is locked into place by tightening the acorn nut on top of the bracket. This is considered the home position. (see below) Further adjustment of the rails is achieved by sliding the piston rod through the sleeve.

The required sleeve length can be determined by measuring or calculating the distance from the edge of the largest container to the edge of the conveyor and adding 2". Once the calculation is done, select the next largest sleeve size.

$$\text{largest container to conveyor edge} + 2" = \text{Minimum sleeve length}$$

Example: 2.5" + 2.0" = 4.5" (requires 5" sleeve)



Step 2 Selecting the Range of Travel

The range of travel is defined as the distance that the guide rails must move to accommodate different container sizes. SpeedSet brackets are available with two ranges of travel: 1-1/2" and 2-1/2". These are maximum ranges, with the ability to adjust to any length within the maximum range.

To calculate the range of travel when both sides of the conveyor guide rail are adjusting, use the following formula:

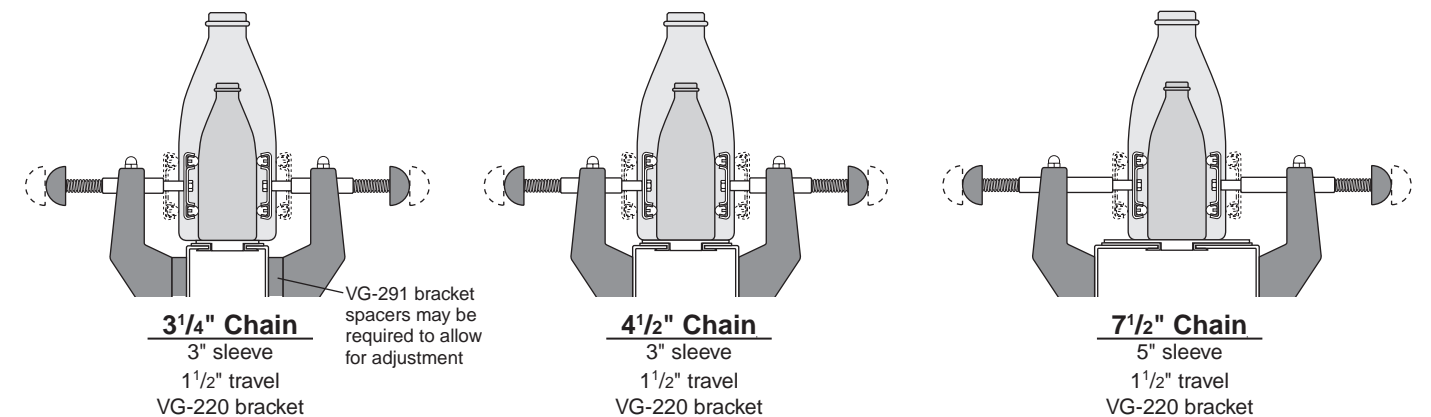
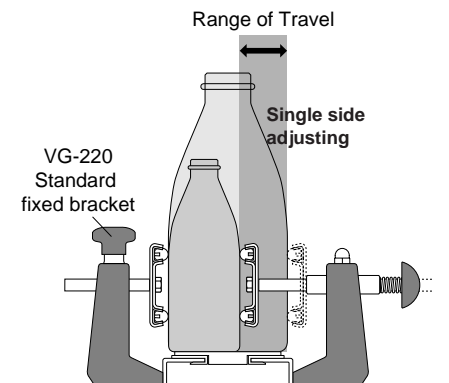
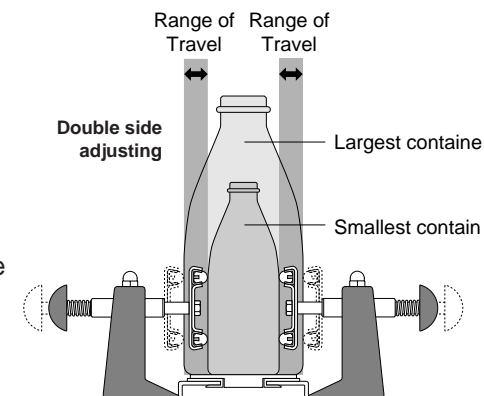
$$\text{largest container} - \text{smallest container} \div 2 = \text{range of travel for each side}$$

Example: 5" - 3" = 2" ÷ 2 = 1" travel per side

To calculate the range of travel when a single side of the conveyor guide rail is adjusting, use the following formula:

$$\text{largest container} - \text{smallest container} = \text{range of travel for a single side}$$

Example: 5" - 3" = 2" travel for one side



## SpeedSet Brackets

### SpeedSet Spacers Positioning for different size containers!

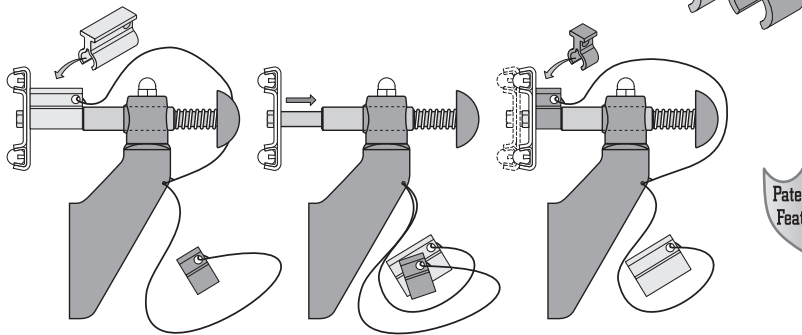
Three types of positioning spacers have been developed for SpeedSet brackets. A Positioning Collar is included with each SpeedSet bracket. The length of the spacer included with each bracket corresponds to the length of travel of the bracket ordered, either 1, 1-1/2 or 2-1/2 inches.

Some spacers can accommodate 3 positioning lengths including the "Home Position" by cutting to the required length as shown. Additional positioning spacers can be purchased in 18 inch lengths and cut to length as needed.

### QSC

#### Precut Spacers in Colors

Color coding makes these spacers easy to work with while providing exact spacing for SpeedSet spring loaded brackets. Use VG-QT-01 tether to keep spacers close to brackets for future use. Color code up to 7 line change colors per bracket.



**NEW**

Material: Polypropylene

Part Number	Color	Length (in.)
VG-QSC-10M	Red	.39
VG-QSC-12M	Blue	.47
VG-QSC-16M	Black	.63
VG-QSC-20M	Green	.79
VG-QSC-25M	Purple	.98
VG-QSC-30M	Orange	1.18
VG-QSC-40M	Gray	1.58

Tether Material: Clear PVC.

Part Number	Length (in.)
VG-QT-01	9

Material: Black PVC

Part Number	Length (in.)
VG-QPC-1.0	1
VG-QPC-1.5	1-1/2
VG-QPC-2.5	2-1/2
VG-QPC-18	18

Included with each SpeedSet Bracket!

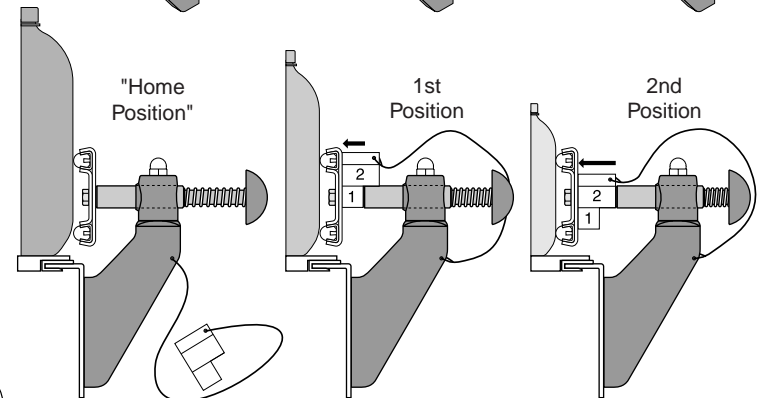
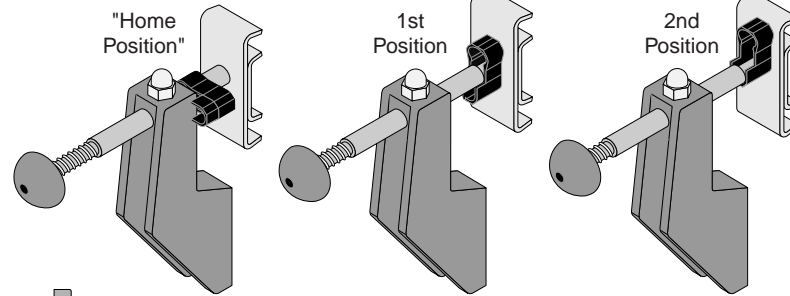
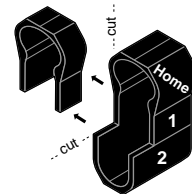
### QPC

#### Positioning Collar

This spacer, in 1, 1-1/2 or 2-1/2 inch length depending on travel chosen, is **included with each SpeedSet bracket**. A single spacer can accommodate 2 positioning lengths in addition to the "Home Position" by cutting as shown. To make additional spacers, 18 inch sections can be purchased and cut to length as needed. Use the following part number:

Patented Feature

Patent # 6,533,110



### QSB

#### Positioning Spacer

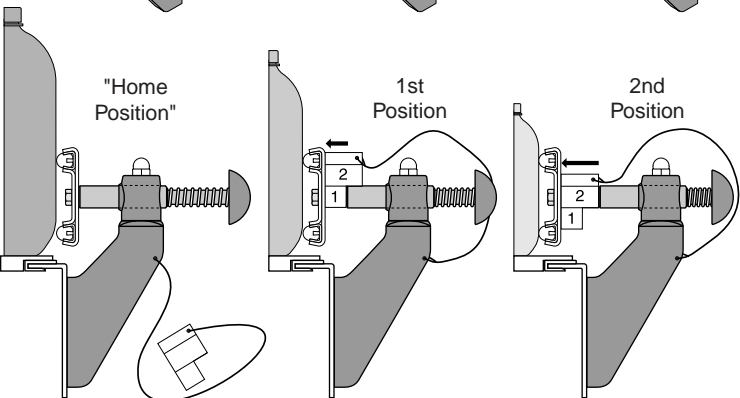
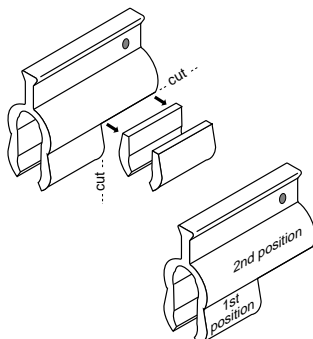
A single spacer can accommodate 2 positioning lengths in addition to the "Home Position" by cutting as shown. To make additional spacers, 18 inch sections, can be purchased and cut to length as needed. Use VG-QT-01 tether to keep spacers close to brackets for future use.

Spacer Material: Gray PVC.

Part Number	Length (in.)
VG-QSB-1.0	1
VG-QSB-1.5	1-1/2
VG-QSB-2.5	2-1/2
VG-QSB-18	18

Tether Material: Clear PVC.

Part Number	Length (in.)
VG-QT-01	9



## SpeedSet Brackets



### Swivel Top SpeedSet Brackets

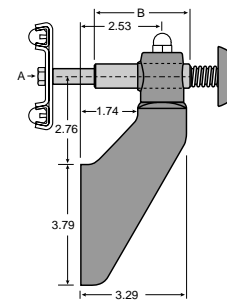
This bracket is required for curves, lane changes, and combiner areas, and allows in and out adjustments of the rails at any angle relative to the conveyor. For additional bracket body specifications, see VG-203 on page 86 and VG-202 on page 88.

1", 1 1/2" or 2 1/2" Collar Positioning Spacer included with each bracket. See page 96 for more information.



Materials: Polyamide bracket. Stainless steel rod and spring assembly. PVC push knob.

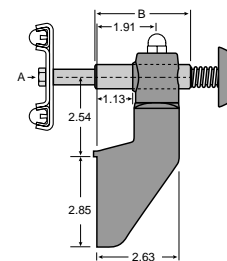
### 203Q



#### Adjustment Range (Travel):

Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-203Q-02-10-516			5/16	2
VG-203Q-02-10-38			3/8	2
VG-203Q-03-10-516	VG-203Q-03-15-516		5/16	3
VG-203Q-03-10-38	VG-203Q-03-15-38		3/8	3
VG-203Q-05-10-516	VG-203Q-05-15-516	VG-203Q-05-25-516	5/16	5
VG-203Q-05-10-38	VG-203Q-05-15-38	VG-203Q-05-25-38	3/8	5

### 202Q



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-202Q-02-10-516			5/16	2
VG-202Q-02-10-38			3/8	2
VG-202Q-03-10-516	VG-202Q-03-15-516		5/16	3
VG-202Q-03-10-38	VG-202Q-03-15-38		3/8	3
VG-202Q-05-10-516	VG-202Q-05-15-516	VG-202Q-05-25-516	5/16	5
VG-202Q-05-10-38	VG-202Q-05-15-38	VG-202Q-05-25-38	3/8	5

### Fixed SpeedSet Brackets

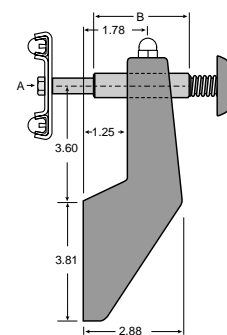
Used for straight running conveyors, this bracket style allows only in and out adjustments at a right angle to the conveyor. For additional bracket body specifications, see VG-220 on page 85 and VG-210 on page 88.

1", 1 1/2" or 2 1/2" Collar Positioning Spacer included with each bracket. See page 96 for more information.



Materials: Polyamide bracket. Stainless steel rod and spring assembly. PVC push knob.

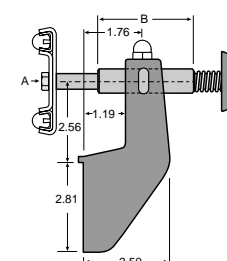
### 220Q



#### Adjustment Range (Travel):

Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-220Q-02-10-516			5/16	2
VG-220Q-02-10-38			3/8	2
VG-220Q-03-10-516	VG-220Q-03-15-516		5/16	3
VG-220Q-03-10-38	VG-220Q-03-15-38		3/8	3
VG-220Q-05-10-516	VG-220Q-05-15-516	VG-220Q-05-25-516	5/16	5
VG-220Q-05-10-38	VG-220Q-05-15-38	VG-220Q-05-25-38	3/8	5

### 210Q



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-210Q-02-10-516			5/16	2
VG-210Q-02-10-38			3/8	2
VG-210Q-03-10-516	VG-210Q-03-15-516		5/16	3
VG-210Q-03-10-38	VG-210Q-03-15-38		3/8	3
VG-210Q-05-10-516	VG-210Q-05-15-516	VG-210Q-05-25-516	5/16	5
VG-210Q-05-10-38	VG-210Q-05-15-38	VG-210Q-05-25-38	3/8	5

## Molded Plastic "L" Brackets

### Plastic "L" Brackets

Plastic "L" brackets are slotted for maximum adjustability, interchangeable, and can be used for upper or lower parts of a bracket assembly. The taller VG-245-K is especially useful as the top segment of an assembly where greater vertical adjustment is required.

#### Polyamide

The characteristics of **polyamide** resin make it an excellent material choice for molded component parts that must stand up to demanding industrial applications. Solus uses reinforced polyamide to provide our customers with products, such as the plastic "L" brackets, that are dimensionally stable and have high mechanical strength. The brackets have high rigidity and toughness, resistance to heat deformation, and resistance to many chemicals. Continuous operating temperature range: -4°F to +190°F. Withstands intermittent temperatures up to 220°F.

### As Strong as Steel!

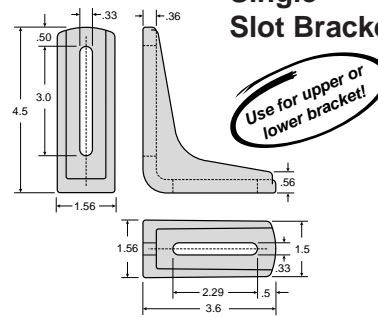


In simple load tests, VG-245 plastic brackets have deflection properties comparable to the 3/16 in. thick VG-205 steel bracket.



### 245-H

#### Single Slot Bracket

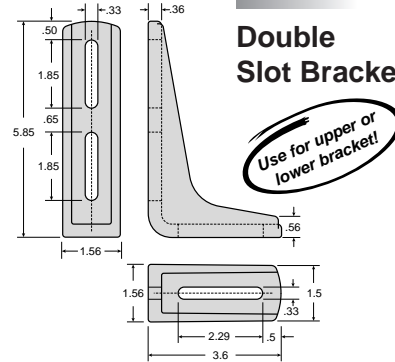


Material: Reinforced Polyamide.

Part Number	Black	Gray
VG-245-H-BK	•	
VG-245-H-GR		•

### 245-J

#### Double Slot Bracket

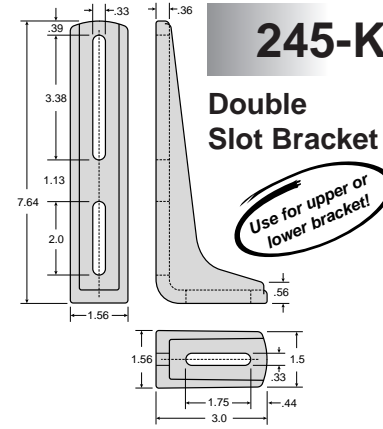


Material: Reinforced Polyamide.

Part Number	Black	Gray
VG-245-J-BK	•	
VG-245-J-GR		•

### 245-K

#### Double Slot Bracket



Material: Reinforced Polyamide.

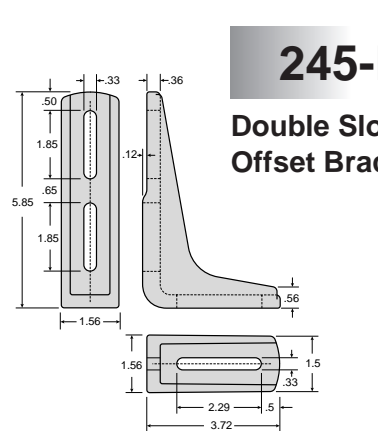
Part Number	Black	Gray
VG-245-K-BK	•	
VG-245-K-GR		•

### Plastic Offset "L" Brackets

Offset brackets are designed to intentionally set back the upper guide rail in a double guide rail configuration. This allows the container to be guided primarily by the lower guide rail. The upper guide rail acts as a secondary guide only when the container is tipping. Each bracket is slotted for maximum adjustability and the taller top segment is available for greater vertical adjustment.

### 245-L

#### Double Slot Offset Bracket

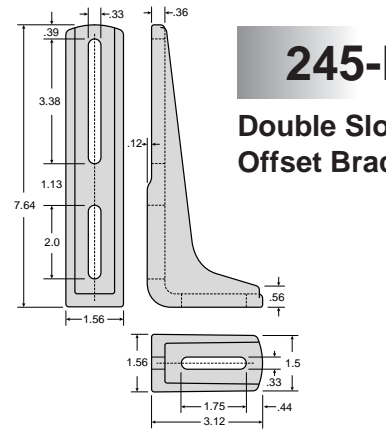


Material: Reinforced Polyamide.

Part Number	Black	Gray
VG-245-L-BK	•	
VG-245-L-GR		•

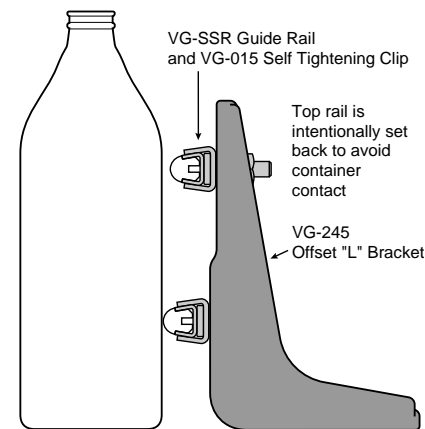
### 245-M

#### Double Slot Offset Bracket



Material: Reinforced Polyamide.

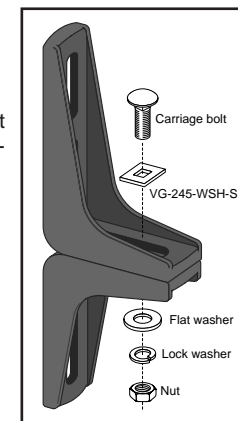
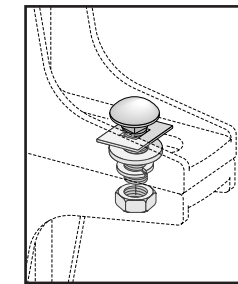
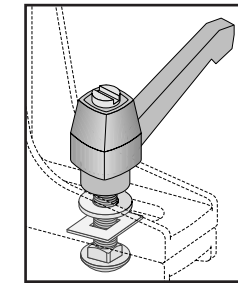
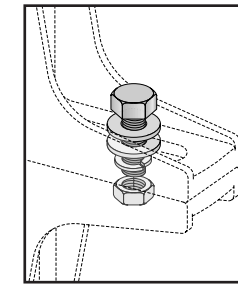
Part Number	Black	Gray
VG-245-M-BK	•	
VG-245-M-GR		•



## 245 Hardware Assemblies

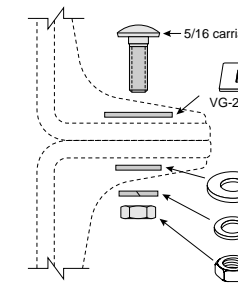
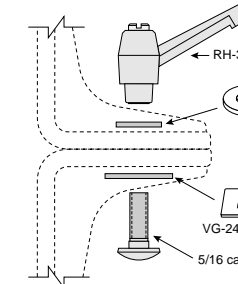
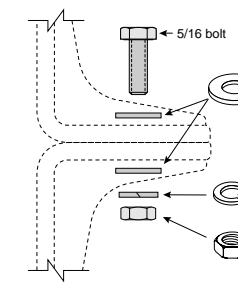
### Hardware Assemblies

For all VG-245 bracket assemblies.



### Square Washer

Prevents carriage bolt heads from stripping out the bracket slot. Recommended for use with 5/16 carriage bolts.



Material: Stainless steel.

Part Number  
VG-245-HDW-01-S516

Material: Polyamide ratchet handle, stainless steel hardware.

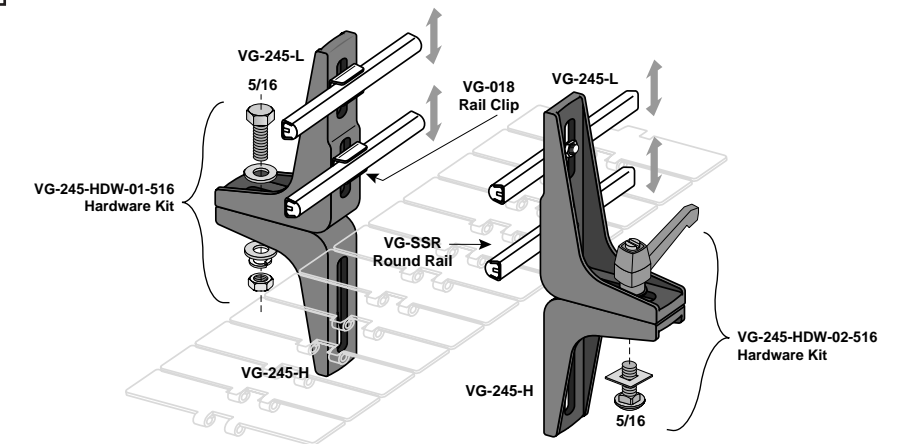
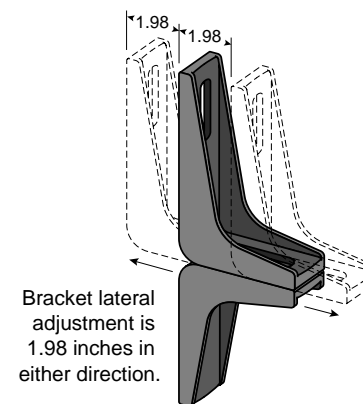
Part Number  
VG-245-HDW-02-S516

Material: Stainless steel.

Part Number  
VG-245-HDW-03-S516

Material: 18 ga. stainless steel.

Part Number  
VG-245-WSH-S

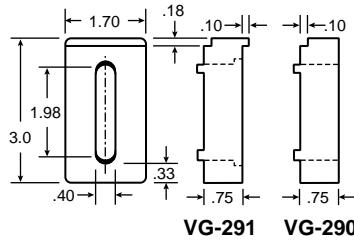




## 290 and 291

### Spacers

Used to increase the distance between VG-202 or VG-210 series brackets and the mounting surface. VG-291 is designed to be used with the bracket or in multiples when the squaring lip is desired. The VG-290 is used with the bracket or the VG-291 when no lip is desired.

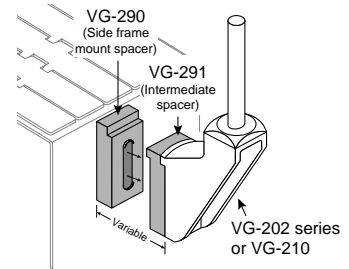


**Material:** Polyamide.

Part Number

**VG-290**

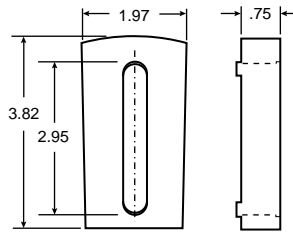
**VG-291**



## 292

### Spacer

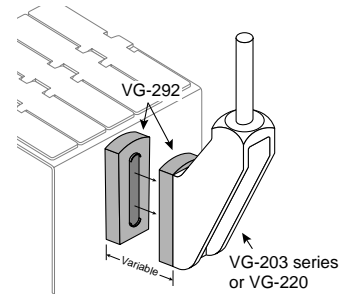
Used to increase the distance between VG-203 or VG-220 series brackets and the mounting surface. May be used in multiples.



**Material:** Polyamide.

Part Number

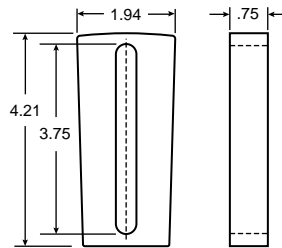
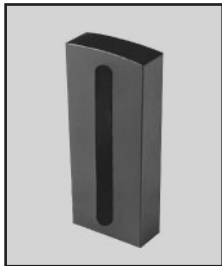
**VG-292**



## 293

### Spacer

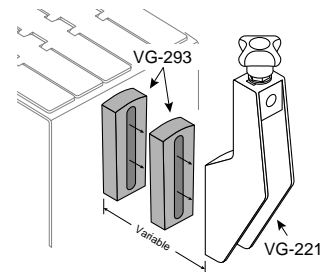
Used to increase the distance between VG-221 series brackets and the mounting surface. May be used in multiples.



**Material:** Polyamide.

Part Number

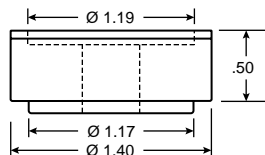
**VG-293**



## VSR

### Stacking Ring

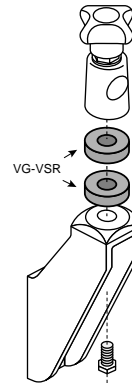
Use with VG-202/203 brackets and cap series where increased height is necessary.



**Material:** Polyamide.

Part Number

**VG-VSR**



**Note:** When stacking rings are used, rod center line changes and a longer bolt is required.

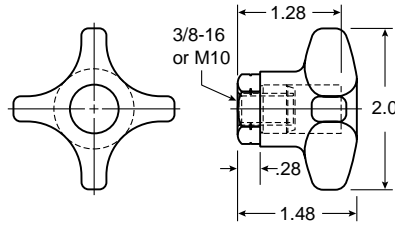




## 280

### Female Knob

Used alone or as replacement for VG-202TC bracket caps and VG-210 brackets.



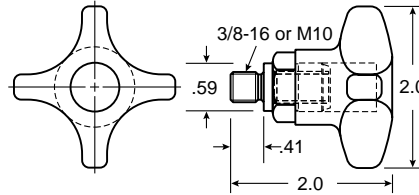
**Material:** Polyamide (PA) or Polypropylene (PP) knob. Nickel plated brass knob bushing.

Part Number	Material	Thread
VG-280-38F	PA	3/8-16
VG-280-M10F	PA	M10
VG-280PP-38F	PP	3/8-16
VG-280PP-M10F	PP	M10

## 280

### Male Knob

Used alone or as replacement for VG-202H series bracket caps.

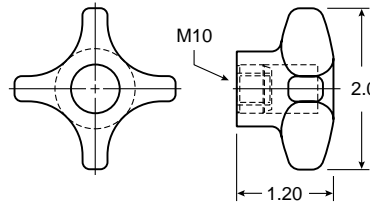
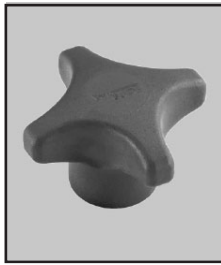


Part Number	Material	Thread
VG-280-38M	PA	3/8-16
VG-280-M10M	PA	M10

## 280K

### Female Knob

Used alone or as part of VG-253K bracket.

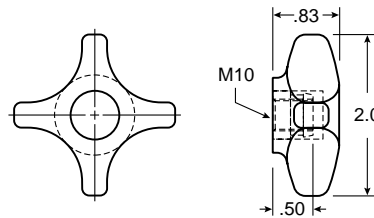


Part Number	Material	Thread
VG-280K	PA	M10

## 281

### Female Knob

Used alone or as replacements for VG-621 cross blocks. Insert is molded into the knob.

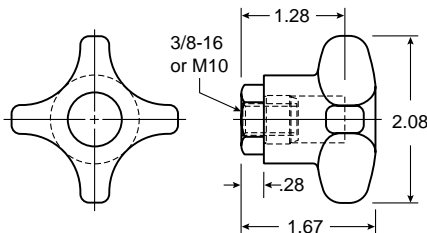


Part Number	Material	Thread
VG-281-M10F	PA	M10

## 282

### Female Knob

Used alone or as replacements for VG-203TC series bracket caps and VG-220 or VG-221 brackets.

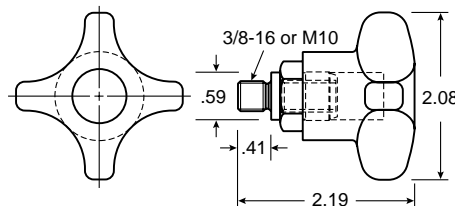


Part Number	Material	Thread
VG-282-38F	PA	3/8-16
VG-282-M10F	PA	M10
VG-282PP-38F	PP	3/8-16
VG-282PP-M10F	PP	M10

## 282

### Male Knob

Used alone or as replacement for VG-203H series bracket caps.



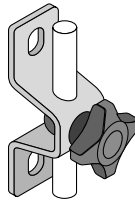
Part Number	Material	Thread
VG-282-38M	PA	3/8-16
VG-282-M10M	PA	M10

# Rod Mount Brackets

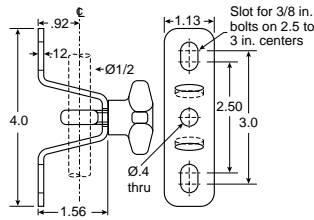
## 254K

### Small Bracket with Hand Knob

Provides holding and positioning of  $\varnothing 1/2$  in. rods. Heavy duty construction for increased strength and rigidity.



Eyelet does not mark rod surface!



**Material:** 10 ga. stainless steel bracket. Stainless steel eyelet. Polyamide hand knob.

Part Number  $\varnothing$  Rod (in.)

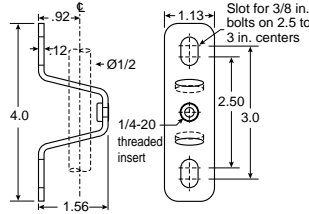
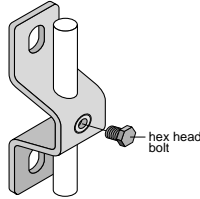
**VG-254K-S-12** 1/2

Rod not included.

## 254B

### Small Bracket with Hex Head Bolt

Set screw fastening provides holding and positioning of  $\varnothing 1/2$  in. rods. Heavy duty construction for increased strength and rigidity.



**Material:** 10 ga. stainless steel bracket and hex head bolt.

Part Number  $\varnothing$  Rod (in.)

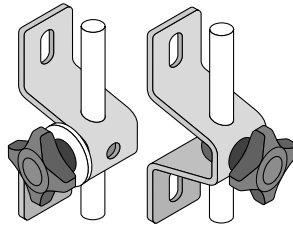
**VG-254B-S-12** 1/2

Rod not included.

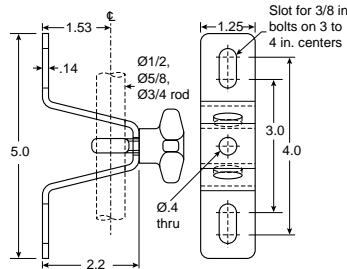
## 253K

### Bracket with Hand Knob

Provides holding and positioning of  $\varnothing 1/2$ ,  $\varnothing 5/8$  and  $\varnothing 3/4$  in. rods. Heavy duty construction for increased strength and rigidity.



Eyelet does not mark rod surface!



**Material:** 10 ga. stainless steel bracket. Stainless steel eyelet. Polyamide hand knob.

Part Number  $\varnothing$  Rod (in.)

**VG-253K-S-12** 1/2

**VG-253K-S-58** 5/8

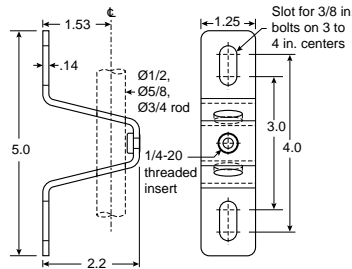
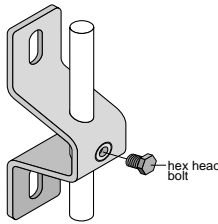
**VG-253K-S-34** 3/4

Rod not included.

## 253B

### Bracket with Hex Head Bolt

Set screw fastening provides holding and positioning of  $\varnothing 1/2$ ,  $\varnothing 5/8$  and  $\varnothing 3/4$  in. rods. Heavy duty construction for increased strength and rigidity.



**Material:** 10 ga. stainless steel bracket and hex head bolt.

Part Number  $\varnothing$  Rod (in.)

**VG-253B-S-12** 1/2

**VG-253B-S-58** 5/8

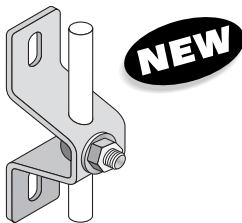
**VG-253B-S-34** 3/4

Rod not included.

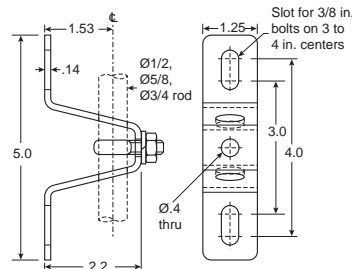
## 253N

### Bracket with Eyelet and Nut

Provides holding and positioning of  $\varnothing 1/2$ ,  $\varnothing 5/8$  and  $\varnothing 3/4$  in. rods. Heavy duty construction for increased strength and rigidity.



Eyelet does not mark rod surface!



**Material:** 10 ga. stainless steel bracket. Stainless steel hardware.

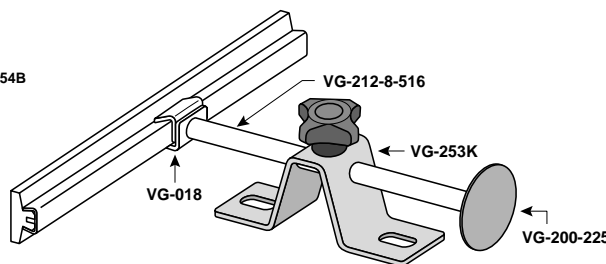
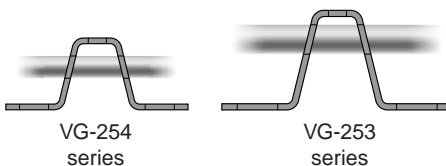
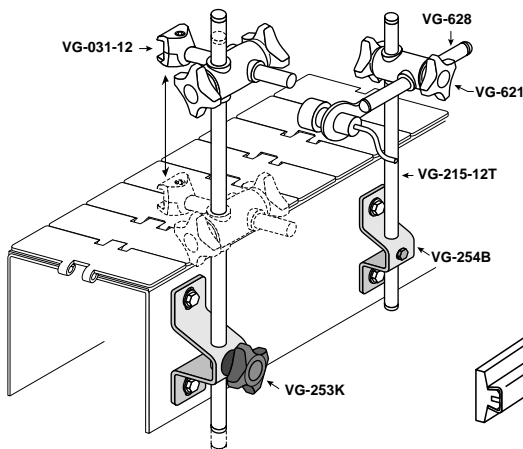
Part Number  $\varnothing$  Rod (in.)

**VG-253N-S-12** 1/2

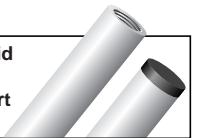
**VG-253N-S-58** 5/8

**VG-253N-S-34** 3/4

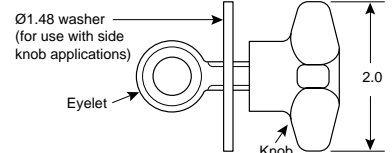
Rod not included.



See page 90 for solid adjusting rods or page 126 for support rods with end caps.



**Hand Knob Assembly** (eyelet, washer and knob)  
Included with 253K bracket. Knob only is available as part no. VG-280K on page 101.



# Stainless Steel Brackets

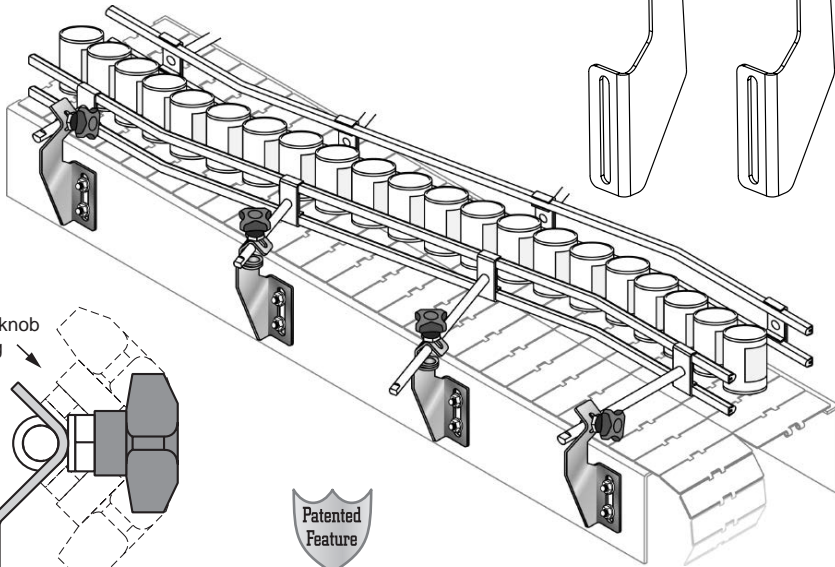


## New Valu Guide Stainless Steel Guide Rail Brackets

**Sanitary**

**Hi-Temp  
Resistant**

- Stainless steel
- Versatile, sanitary design
- High Temperature or corrosive environments
- Tall or short, fixed or swivel



Patented  
Feature

Patent #  
6,189,685  
6,669,009



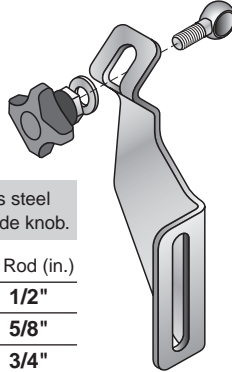
### 213-01

#### Stainless Steel Bracket

Guide rail support where lateral adjustment is needed. Sanitary design. Hi temp. and corrosion resistant.

**Material:** 304 Stainless steel bracket, 11ga. Polyamide knob.

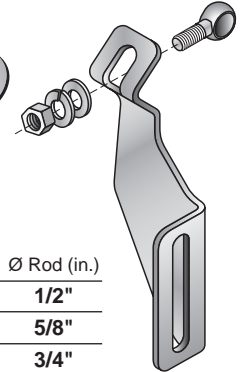
Part Number	Ø Rod (in.)
VG-213-12-01	1/2"
VG-213-58-01	5/8"
VG-213-34-01	3/4"



All stainless steel for Hi-Temp and Corrosive applications

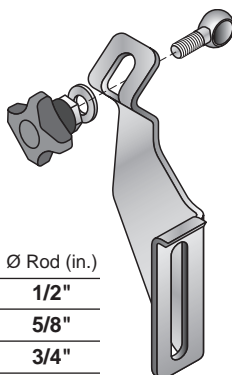
#### Stainless Steel Bracket with Nut Fastener

Part Number	Ø Rod (in.)
VG-213N-12-01	1/2"
VG-213N-58-01	5/8"
VG-213N-34-01	3/4"



#### Stainless Steel Bracket with Positioning Tab

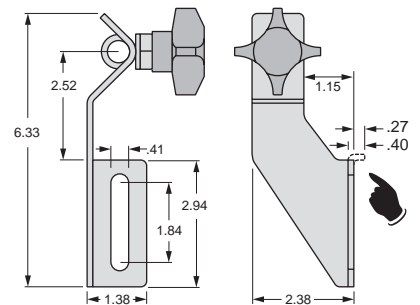
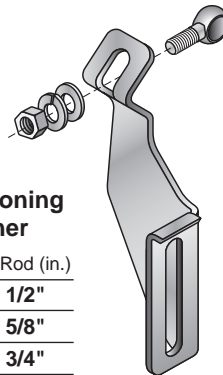
Part Number	Ø Rod (in.)
VG-213T-12-01	1/2"
VG-213T-58-01	5/8"
VG-213T-34-01	3/4"



#### Stainless Steel Bracket with Positioning Tab and Nut Fastener

Part Number	Ø Rod (in.)
VG-213TN-12-01	1/2"
VG-213TN-58-01	5/8"
VG-213TN-34-01	3/4"

All stainless steel for Hi-Temp and Corrosive applications



**Special Optional Feature!** Brackets can be ordered with a positioning tab which allows for **one-bolt** mounting and helps to square the bracket with the conveyor.

Brackets & Position  
Components

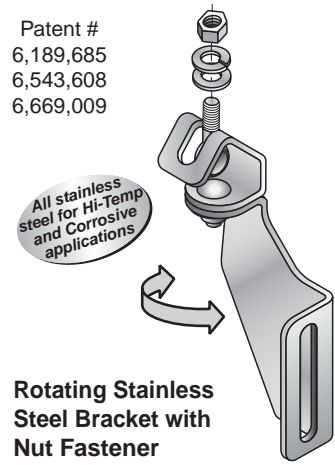
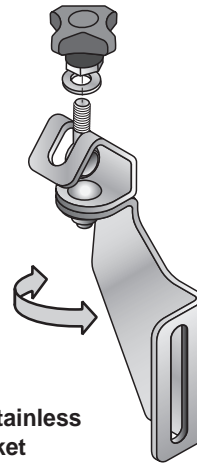
# Stainless Steel Brackets



**Material:** 304 Stainless steel bracket, 11ga. Polyamide knob.



Patent #  
6,189,685  
6,543,608  
6,669,009

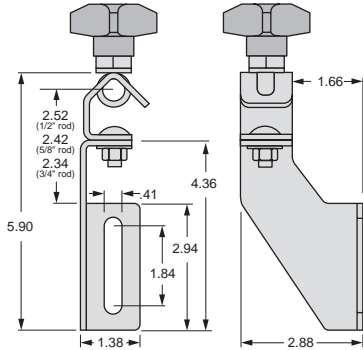


All stainless steel for Hi-Temp and Corrosive applications

## 213R

### Rotating Stainless Steel Bracket

Guide rail support where lateral adjustment and rotation are needed. Sanitary design. Hi temp. and corrosion resistant.



### Rotating Stainless Steel Bracket

Part Number	Ø Rod (in.)
VG-213R-12-01	1/2"
VG-213R-58-01	5/8"
VG-213R-34-01	3/4"

### Base Only

VG-213R-B

### Rotating Stainless Steel Bracket with Nut Fastener

Part Number	Ø Rod (in.)
VG-213RN-12-01	1/2"
VG-213RN-58-01	5/8"
VG-213RN-34-01	3/4"

### Base Only

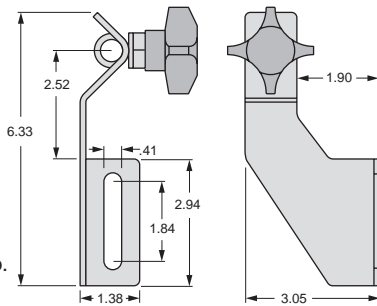
VG-213R-B

Brackets & Position Components

## 213-02

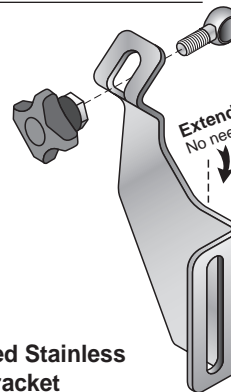
### Extended Stainless Steel Bracket

Guide rail support where lateral adjustment and setback spacing are needed. Sanitary design. Hi temp. and corrosion resistant.

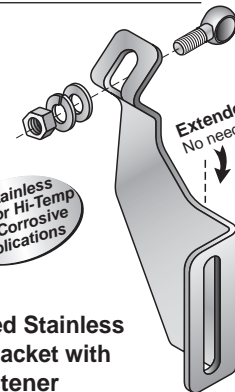


### Extended Stainless Steel Bracket

Part Number	Ø Rod (in.)
VG-213-12-02	1/2"
VG-213-58-02	5/8"
VG-213-34-02	3/4"



Extended Design:-  
No need for spacers.

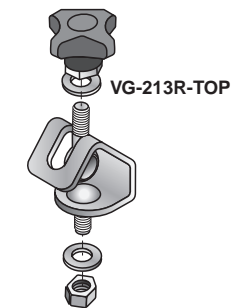


Extended Design:-  
No need for spacers.

All stainless steel for Hi-Temp and Corrosive applications

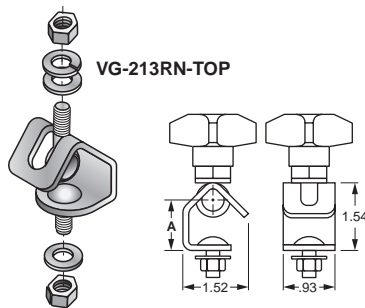
### Extended Stainless Steel Bracket with Nut Fastener

Part Number	Ø Rod (in.)
VG-213N-12-02	1/2"
VG-213N-58-02	5/8"
VG-213N-34-02	3/4"



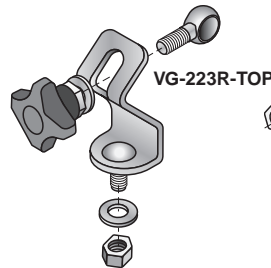
### 213R-TOP Rotating Top For Stainless Steel Bracket

Part Number	
VG-213R-TOP-12	
VG-213R-TOP-58	
VG-213R-TOP-34	



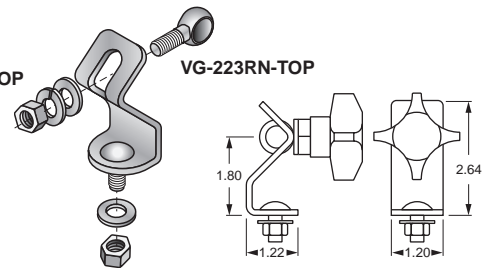
### 213RN-TOP Rotating Top with Nut Fastener For Stainless Steel Bracket

Part Number	A	Dia. Rod
VG-213RN-TOP-12	1.13	1/2"
VG-213RN-TOP-58	1.03	5/8"
VG-213RN-TOP-34	.95	3/4"



### 223R-TOP Rotating Top For Heavy Duty Stainless Steel Bracket

Part Number	
VG-223R-TOP-12	
VG-223R-TOP-58	
VG-223R-TOP-34	



### 223RN-TOP Rotating Top with Nut Fastener For Heavy Duty Stainless Steel Bracket

Part Number	Diameter Rod
VG-223RN-TOP-12	1/2"
VG-223RN-TOP-58	5/8"
VG-223RN-TOP-34	3/4"

# Stainless Steel Brackets



**Material:** 304 Stainless steel bracket, 10ga. Polyamide knob.

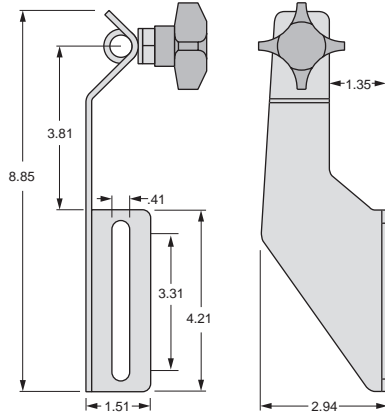


Patent #  
6,189,685  
6,669,009

## 223-01

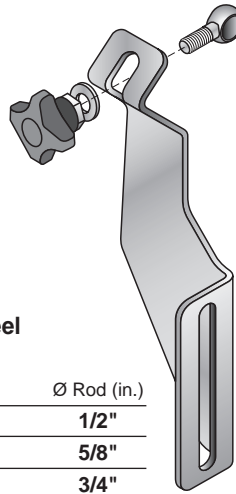
### Heavy Duty, Stainless Steel Bracket

Guide rail support where lateral adjustment is needed. Sanitary design. Hi temp. and corrosion resistant.



### Heavy Duty Stainless Steel Bracket

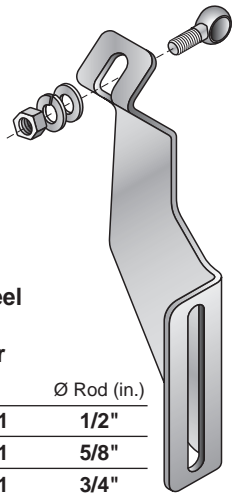
Part Number	Ø Rod (in.)
VG-223-12-01	1/2"
VG-223-58-01	5/8"
VG-223-34-01	3/4"



All stainless steel for Hi-Temp and Corrosive applications

### Heavy Duty Stainless Steel Bracket with Nut Fastener

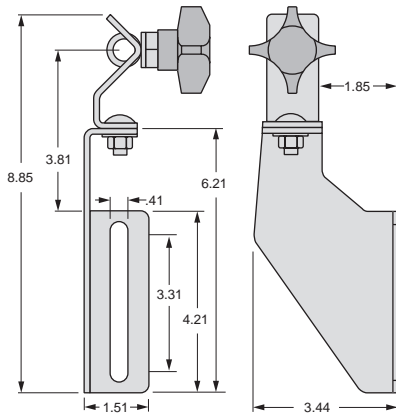
Part Number	Ø Rod (in.)
VG-223N-12-01	1/2"
VG-223N-58-01	5/8"
VG-223N-34-01	3/4"



## 223R

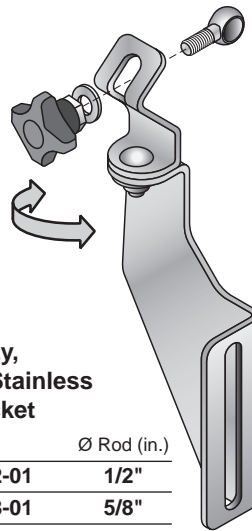
### Heavy Duty, Rotating Stainless Steel Bracket

Guide rail support where lateral adjustment is needed. Sanitary design. Hi temp. and corrosion resistant.



### Heavy Duty, Rotating Stainless Steel Bracket

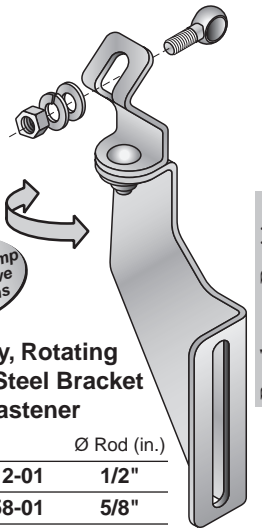
Part Number	Ø Rod (in.)
VG-223R-12-01	1/2"
VG-223R-58-01	5/8"
VG-223R-34-01	3/4"



All stainless steel for Hi-Temp and Corrosive applications

### Heavy Duty, Rotating Stainless Steel Bracket with Nut Fastener

Part Number	Ø Rod (in.)
VG-223RN-12-01	1/2"
VG-223RN-58-01	5/8"
VG-223RN-34-01	3/4"



Patent #  
6,189,685  
6,543,608  
6,669,009

### Base Only

VG-223R-B

### Base Only

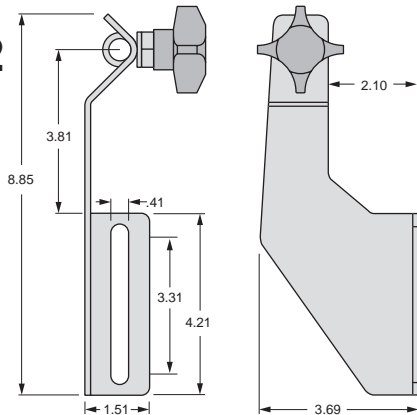
VG-223R-B

Brackets & Position Components

## 223-02

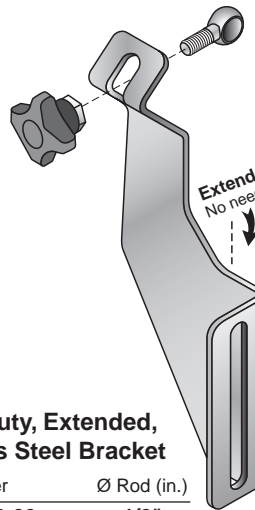
### Heavy Duty, Extended Stainless Steel Bracket

Guide rail support where lateral adjustment and setback spacing are needed. Sanitary design. Hi temp. and corrosion resistant.



### Heavy Duty, Extended, Stainless Steel Bracket

Part Number	Ø Rod (in.)
VG-223-12-02	1/2"
VG-223-58-02	5/8"
VG-223-34-02	3/4"

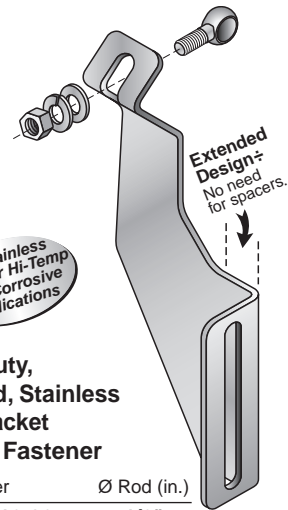


Extended Design:-  
No need for spacers.

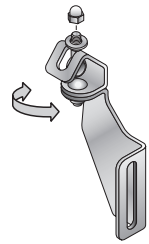
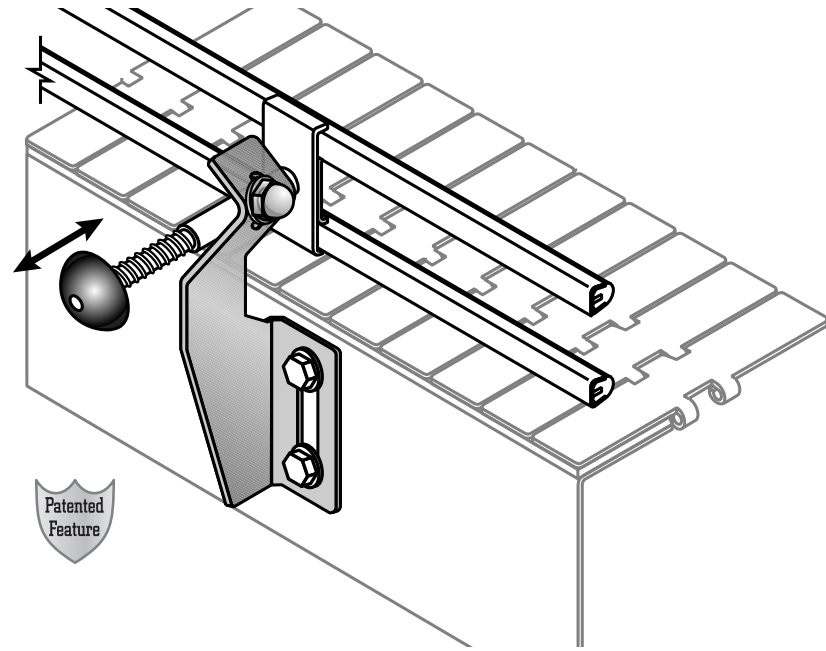
All stainless steel for Hi-Temp and Corrosive applications

### Heavy Duty, Extended, Stainless Steel Bracket with Nut Fastener

Part Number	Ø Rod (in.)
VG-223N-12-02	1/2"
VG-223N-58-02	5/8"
VG-223N-34-02	3/4"



Extended Design:-  
No need for spacers.



**Swivel Top SpeedSet Brackets**

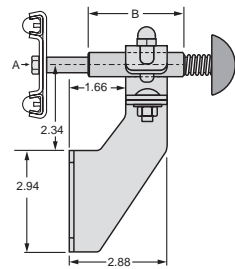
This bracket is required for curves, lane changes, and combiner areas, and allows in and out adjustments of the rails at any angle relative to the conveyor. For additional bracket body specifications, see VG-203 on page 86 and VG-202 on page 88.

1", 1 1/2" or 2 1/2" Collar Positioning Spacer included with each bracket. See page 96 for more information.

**Materials:** Stainless steel bracket, rod and spring assembly. PVC push knob.

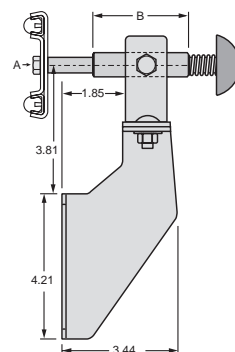
**213RQ**

**Adjustment Range (Travel):**



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-213RQ-02-10-516			5/16	2
VG-213RQ-02-10-38			3/8	2
VG-213RQ-03-10-516	VG-213RQ-03-15-516		5/16	3
VG-213RQ-03-10-38	VG-213RQ-03-15-38		3/8	3
VG-213RQ-05-10-516	VG-213RQ-05-15-516	VG-213RQ-05-25-516	5/16	5
VG-213RQ-05-10-38	VG-213RQ-05-15-38	VG-213RQ-05-25-38	3/8	5

**223RQ**



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-223RQ-02-10-516			5/16	2
VG-223RQ-02-10-38			3/8	2
VG-223RQ-03-10-516	VG-223RQ-03-15-516		5/16	3
VG-223RQ-03-10-38	VG-223RQ-03-15-38		3/8	3
VG-223RQ-05-10-516	VG-223RQ-05-15-516	VG-223RQ-05-25-516	5/16	5
VG-223RQ-05-10-38	VG-223RQ-05-15-38	VG-223RQ-05-25-38	3/8	5



**Fixed SpeedSet Brackets**

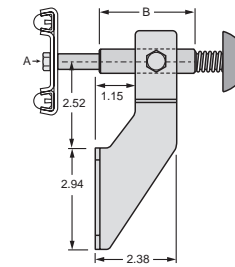
Used for straight running conveyors, this bracket style allows only in and out adjustments at a right angle to the conveyor. For additional bracket body specifications, see VG-220 on page 85 and VG-210 on page 88.

1", 1 1/2" or 2 1/2" Collar Positioning Spacer included with each bracket. See page 96 for more information.

**Materials:** Polyamide bracket. Stainless steel rod and spring assembly. PVC push knob.

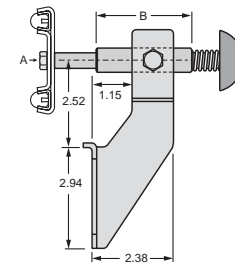
**213Q**

**Adjustment Range (Travel):**



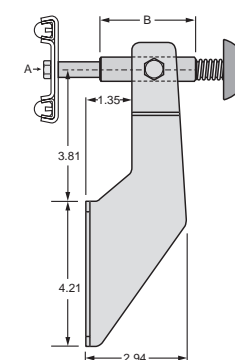
Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-213Q-02-10-516			5/16	2
VG-213Q-02-10-38			3/8	2
VG-213Q-03-10-516	VG-213Q-03-15-516		5/16	3
VG-213Q-03-10-38	VG-213Q-03-15-38		3/8	3
VG-213Q-05-10-516	VG-213Q-05-15-516	VG-213Q-05-25-516	5/16	5
VG-213Q-05-10-38	VG-213Q-05-15-38	VG-213Q-05-25-38	3/8	5

**213TQ**



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-213TQ-02-10-516			5/16	2
VG-213TQ-02-10-38			3/8	2
VG-213TQ-03-10-516	VG-213TQ-03-15-516		5/16	3
VG-213TQ-03-10-38	VG-213TQ-03-15-38		3/8	3
VG-213TQ-05-10-516	VG-213TQ-05-15-516	VG-213TQ-05-25-516	5/16	5
VG-213TQ-05-10-38	VG-213TQ-05-15-38	VG-213TQ-05-25-38	3/8	5

**223Q**



Part Number	Part Number	Part Number	Tapped Rod Thread (A)	Sleeve Length (B)
VG-223Q-02-10-516			5/16	2
VG-223Q-02-10-38			3/8	2
VG-223Q-03-10-516	VG-223Q-03-15-516		5/16	3
VG-223Q-03-10-38	VG-223Q-03-15-38		3/8	3
VG-223Q-05-10-516	VG-223Q-05-15-516	VG-223Q-05-25-516	5/16	5
VG-223Q-05-10-38	VG-223Q-05-15-38	VG-223Q-05-25-38	3/8	5

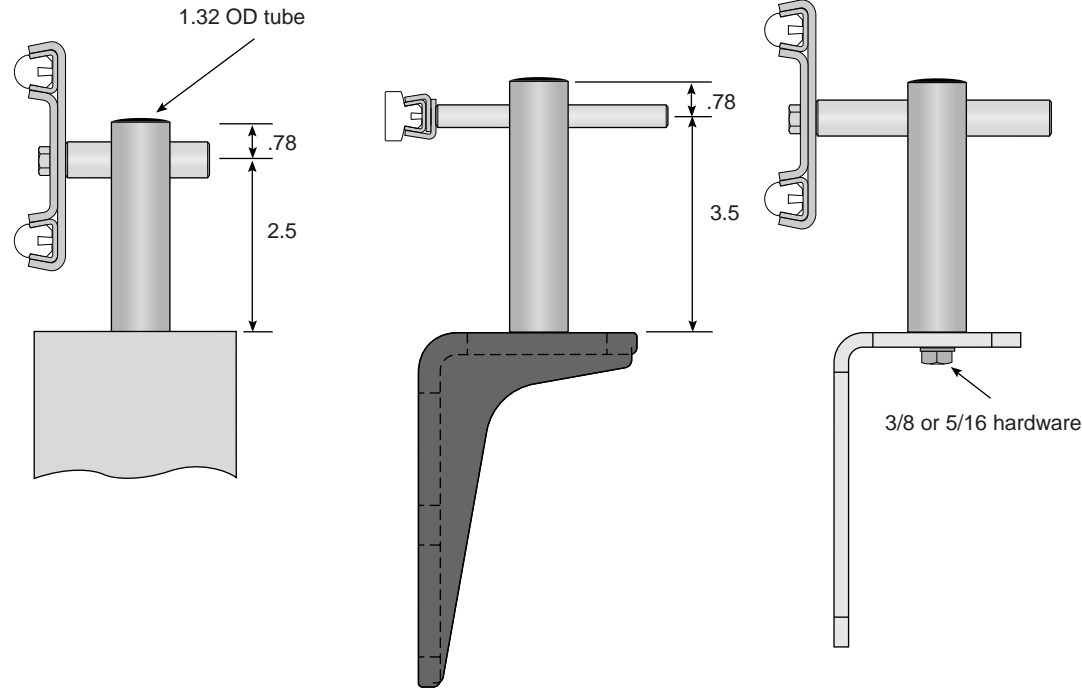


## Post Brackets

# 211

### Post Brackets

This stainless steel bracket offers a clean, finished look while firmly holding guide rails in place. Post Brackets can be used alone or in combination with VG-205 or VG-245 angle brackets.



#### Available options:

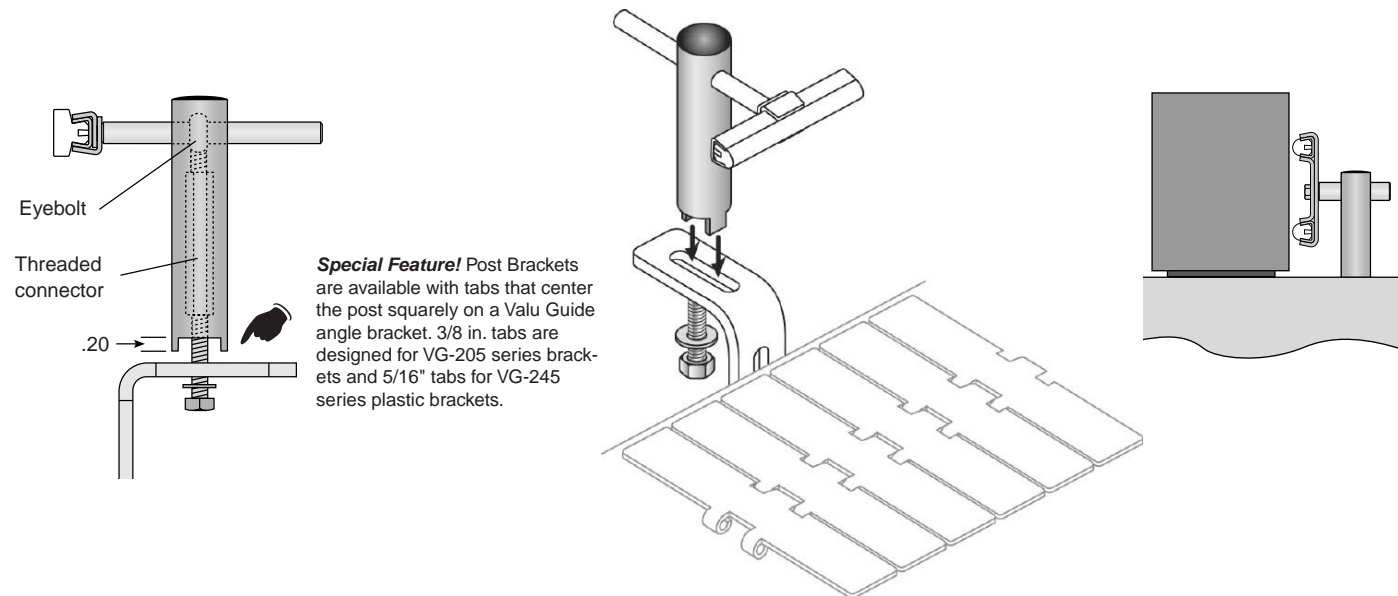
- 2-1/2 or 3-1/2 inch height
- With or without positioning tabs
- 1/2, 5/8, or 3/4 inch pilot holes

### Post Brackets with Positioning Tabs

Tab/Hdw. Size	Pilot Hole (in.)	2.5 in. Height	3.5 in. Height
3/8	3/4	VG-211T3-25-34	VG-211T3-35-34
5/16	3/4	VG-211T5-25-34	VG-211T5-35-34
3/8	5/8	VG-211T3-25-58	VG-211T3-35-58
5/16	5/8	VG-211T5-25-58	VG-211T5-35-58
3/8	1/2	VG-211T3-25-12	VG-211T3-35-12
5/16	1/2	VG-211T5-25-12	VG-211T5-35-12

### Post Brackets without Positioning Tabs

Hdw. Size	Pilot Hole (in.)	2.5 in. Height	3.5 in. Height
3/8	3/4	VG-211-3-25-34	VG-211-3-35-34
5/16	3/4	VG-211-5-25-34	VG-211-5-35-34
3/8	5/8	VG-211-3-25-58	VG-211-3-35-58
5/16	5/8	VG-211-5-25-58	VG-211-5-35-58
3/8	1/2	VG-211-3-25-12	VG-211-3-35-12
5/16	1/2	VG-211-5-25-12	VG-211-5-35-12



**Special Feature!** Post Brackets are available with tabs that center the post squarely on a Valu Guide angle bracket. 3/8 in. tabs are designed for VG-205 series brackets and 5/16" tabs for VG-245 series plastic brackets.

## SpeedSet Post Brackets



# 211Q

### SpeedSet Post Brackets

Combines the strength and appearance of post brackets with the innovative features of SpeedSet (page 93-95). SpeedSet Post Brackets can be used alone or in combination with VG-205 or VG-245 angle brackets.

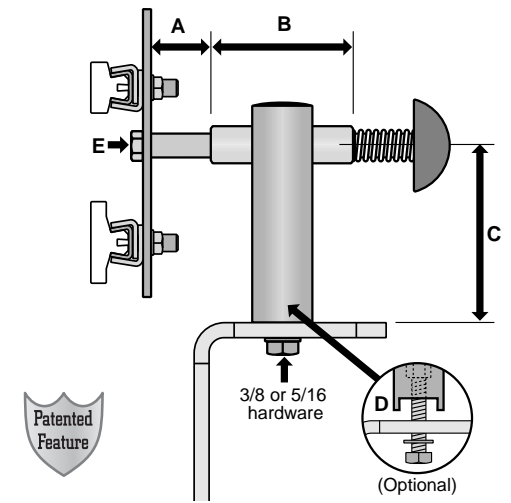
(A) Range of piston rod travel:  
1, 1-1/2 or 2-1/2 inches

(B) Sleeve length:  
2, 3, or 5 inches

(C) Bracket Height:  
2.5 or 3.5 inches

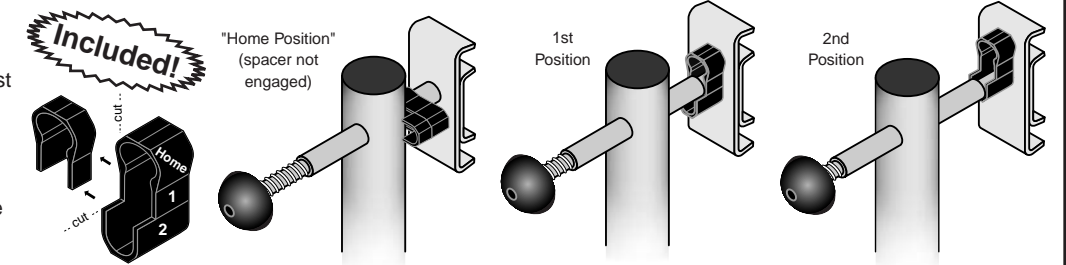
(D) Optional Positioning Tabs:  
3/8 and 5/16 inches

(E) Rod end tap:  
3/8-16 or 5/16-18 inches

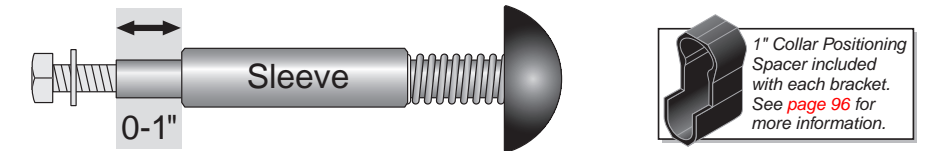


### Collar Positioning Spacer

Included with each SpeedSet post bracket is a single spacer that can accommodate 2 positioning lengths in addition to the "Home Position" by cutting as shown. Spacer length corresponds to the length of travel.



### Adjustment Range (Travel), 0 thru 1 inch



Tab/Hdw. Size (in.)	Sleeve Length (in.)	Travel (in.)	Rod Tap (in.)	2.5 in. Height Part Number	3.5 in. Height Part Number	2.5 in. Height Part Number	3.5 in. Height Part Number
3/8	2	1.0	3/8	VG-211QT3-25-02-10-38	VG-211QT3-35-02-10-38	VG-211Q-3-25-02-10-38	VG-211Q-3-35-02-10-38
3/8	2	1.0	5/16	VG-211QT3-25-02-10-516	VG-211QT3-35-02-10-516	VG-211Q-3-25-02-10-516	VG-211Q-3-35-02-10-516
5/16	2	1.0	3/8	VG-211QT5-25-02-10-38	VG-211QT5-35-02-10-38	VG-211Q-5-25-02-10-38	VG-211Q-5-35-02-10-38
5/16	2	1.0	5/16	VG-211QT5-25-02-10-516	VG-211QT5-35-02-10-516	VG-211Q-5-25-02-10-516	VG-211Q-5-35-02-10-516

### 2 inch sleeves

3/8	2	1.0	3/8	VG-211QT3-25-03-10-38	VG-211QT3-35-03-10-38	VG-211Q-3-25-03-10-38	VG-211Q-3-35-03-10-38
3/8	2	1.0	5/16	VG-211QT3-25-03-10-516	VG-211QT3-35-03-10-516	VG-211Q-3-25-03-10-516	VG-211Q-3-35-03-10-516
5/16	2	1.0	3/8	VG-211QT5-25-03-10-38	VG-211QT5-35-03-10-38	VG-211Q-5-25-03-10-38	VG-211Q-5-35-03-10-38
5/16	2	1.0	5/16	VG-211QT5-25-03-10-516	VG-211QT5-35-03-10-516	VG-211Q-5-25-03-10-516	VG-211Q-5-35-03-10-516

### 3 inch sleeves

3/8	3	1.0	3/8	VG-211QT3-25-05-10-38	VG-211QT3-35-05-10-38	VG-211Q-3-25-05-10-38	VG-211Q-3-35-05-10-38
3/8	3	1.0	5/16	VG-211QT3-25-05-10-516	VG-211QT3-35-05-10-516	VG-211Q-3-25-05-10-516	VG-211Q-3-35-05-10-516
5/16	3	1.0	3/8	VG-211QT5-25-05-10-38	VG-211QT5-35-05-10-38	VG-211Q-5-25-05-10-38	VG-211Q-5-35-05-10-38
5/16	3	1.0	5/16	VG-211QT5-25-05-10-516	VG-211QT5-35-05-10-516	VG-211Q-5-25-05-10-516	VG-211Q-5-35-05-10-516

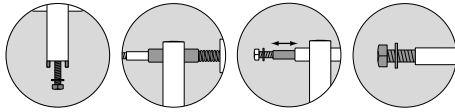
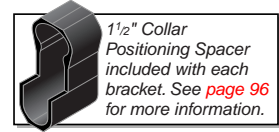
### 5 inch sleeves

3/8	5	1.0	3/8	VG-211QT3-25-05-10-38	VG-211QT3-35-05-10-38	VG-211Q-3-25-05-10-38	VG-211Q-3-35-05-10-38
3/8	5	1.0	5/16	VG-211QT3-25-05-10-516	VG-211QT3-35-05-10-516	VG-211Q-3-25-05-10-516	VG-211Q-3-35-05-10-516
5/16	5	1.0	3/8	VG-211QT5-25-05-10-38	VG-211QT5-35-05-10-38	VG-211Q-5-25-05-10-38	VG-211Q-5-35-05-10-38
5/16	5	1.0	5/16	VG-211QT5-25-05-10-516	VG-211QT5-35-05-10-516	VG-211Q-5-25-05-10-516	VG-211Q-5-35-05-10-516

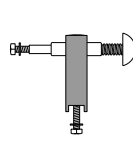


# SpeedSet Post Brackets

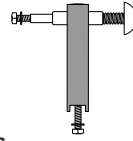
## Adjustment Range (Travel), 0 thru 1½ inches



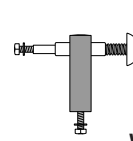
Tab/Hdw. Size (in.)    Sleeve Length (in.)    Travel (in.)    Rod Tap (in.)



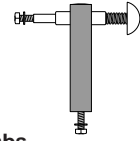
2.5 in. Height  
Part Number



3.5 in. Height  
Part Number



2.5 in. Height  
Part Number



3.5 in. Height  
Part Number

### With Tabs

### Without Tabs

## 3 inch sleeves

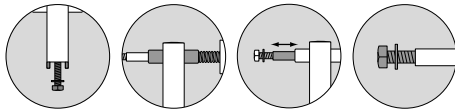
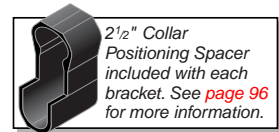
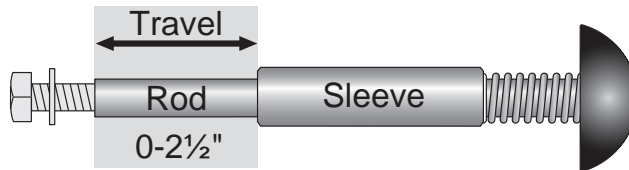
3/8	3	1.5	3/8	VG-211QT3-25-03-15-38	VG-211QT3-35-03-15-38	VG-211Q-3-25-03-15-38	VG-211Q-3-35-03-15-38
3/8	3	1.5	5/16	VG-211QT3-25-03-15-516	VG-211QT3-35-03-15-516	VG-211Q-3-25-03-15-516	VG-211Q-3-35-03-15-516
5/16	3	1.5	3/8	VG-211QT5-25-03-15-38	VG-211QT5-35-03-15-38	VG-211Q-5-25-03-15-38	VG-211Q-5-35-03-15-38
5/16	3	1.5	5/16	VG-211QT5-25-03-15-516	VG-211QT5-35-03-15-516	VG-211Q-5-25-03-15-516	VG-211Q-5-35-03-15-516

## 5 inch sleeves

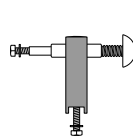
3/8	5	1.5	3/8	VG-211QT3-25-05-15-38	VG-211QT3-35-05-15-38	VG-211Q-3-25-05-15-38	VG-211Q-3-35-05-15-38
3/8	5	1.5	5/16	VG-211QT3-25-05-15-516	VG-211QT3-35-05-15-516	VG-211Q-3-25-05-15-516	VG-211Q-3-35-05-15-516
5/16	5	1.5	3/8	VG-211QT5-25-05-15-38	VG-211QT5-35-05-15-38	VG-211Q-5-25-05-15-38	VG-211Q-5-35-05-15-38
5/16	5	1.5	5/16	VG-211QT5-25-05-15-516	VG-211QT5-35-05-15-516	VG-211Q-5-25-05-15-516	VG-211Q-5-35-05-15-516

Brackets & Position Components

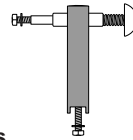
## Adjustment Range (Travel), 0 thru 2½ inches



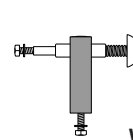
Tab/Hdw. Size (in.)    Sleeve Length (in.)    Travel (in.)    Rod Tap (in.)



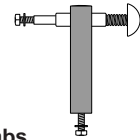
2.5 in. Height  
Part Number



3.5 in. Height  
Part Number



2.5 in. Height  
Part Number



3.5 in. Height  
Part Number

### With Tabs

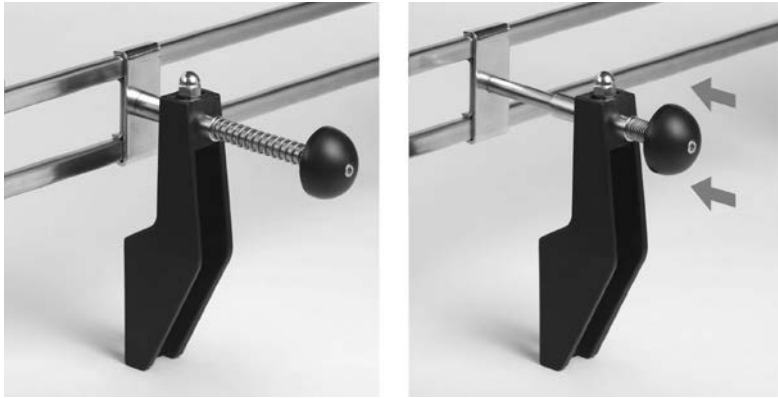
### Without Tabs

## 5 inch sleeves

3/8	5	2.5	3/8	VG-211QT3-25-05-25-38	VG-211QT3-35-05-25-38	VG-211Q-3-25-05-25-38	VG-211Q-3-35-05-25-38
3/8	5	2.5	5/16	VG-211QT3-25-05-25-516	VG-211QT3-35-05-25-516	VG-211Q-3-25-05-25-516	VG-211Q-3-35-05-25-516
5/16	5	2.5	3/8	VG-211QT5-25-05-25-38	VG-211QT5-35-05-25-38	VG-211Q-5-25-05-25-38	VG-211Q-5-35-05-25-38
5/16	5	2.5	5/16	VG-211QT5-25-05-25-516	VG-211QT5-35-05-25-516	VG-211Q-5-25-05-25-516	VG-211Q-5-35-05-25-516

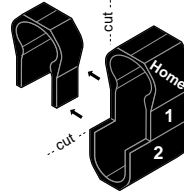
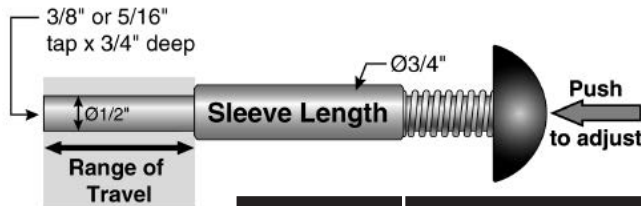


# SpeedSet Cartridges



## SpeedSet Cartridges

SpeedSet Cartridges solve conveyor line change problems... quickly. Use SpeedSet for preset conveyor guide rail adjustability that is fast and accurate without the need for tools. SpeedSet is fast because a simple push on the end knob moves the rod, clamp, and guide rail. SpeedSet is accurate due to the innovative positioning spacer design. Cartridges are available as part of bracket assemblies within this catalog, or choose from stand alone cartridges on this page. The SpeedSet Cartridge rod sleeve must be firmly held in position for proper operation.



Included with each SpeedSet Cartridge!

**Q-10**  
SpeedSet Cartridge,  
0-1" Travel

Range of Travel	Sleeve Length	Tapped Rod Thread	Part Number
0-1"		5/16	VG-Q-02-10-516
		3/8	VG-Q-02-10-38
0-1.5"		5/16	VG-Q-03-10-516
		3/8	VG-Q-03-10-38
0-2.5"		5/16	VG-Q-05-10-516
		3/8	VG-Q-05-10-38

**Q-15**  
SpeedSet Cartridge,  
0-1.5" Travel

0-1.5"		5/16	VG-Q-03-15-516
		3/8	VG-Q-03-15-38
0-2.5"		5/16	VG-Q-05-15-516
		3/8	VG-Q-05-15-38

**Q-25**  
SpeedSet Cartridge,  
0-2.5" Travel

0-2.5"		5/16	VG-Q-05-25-516
		3/8	VG-Q-05-25-38

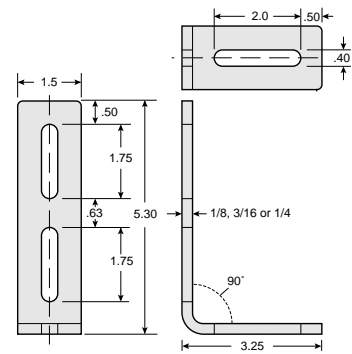
Brackets & Position  
Components



## Individual Metal "L" Brackets

### 205-A

Long  
Angle Bracket  
(Double Slot)

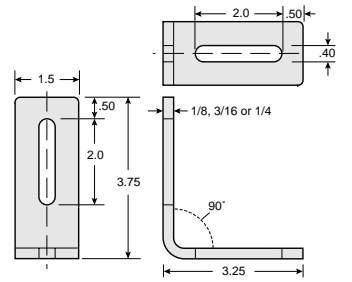


**Material:** Bracket is zinc plated or polished 304 stainless steel.

Part Number	Stainless	Plated	Thickness
VG-205-A-18-P		•	1/8
VG-205-A-18-S	•		1/8
VG-205-A-316-P		•	3/16
VG-205-A-316-S	•		3/16
VG-205-A-14-P		•	1/4
VG-205-A-14-S	•		1/4

### 205-B

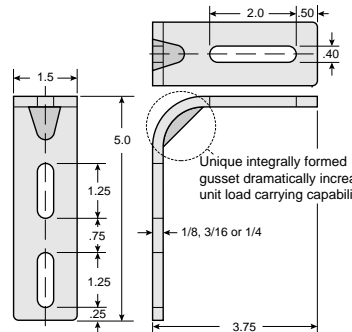
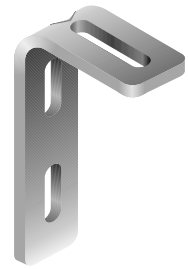
Standard  
Angle Bracket



Part Number	Stainless	Plated	Thickness
VG-205-B-18-P		•	1/8
VG-205-B-18-S	•		1/8
VG-205-B-316-P		•	3/16
VG-205-B-316-S	•		3/16
VG-205-B-14-P		•	1/4
VG-205-B-14-S	•		1/4

### 205-C

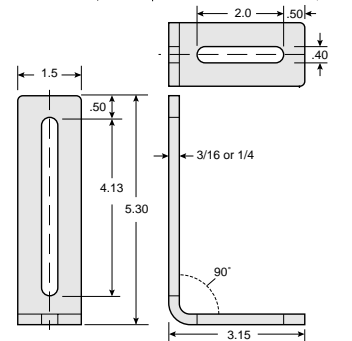
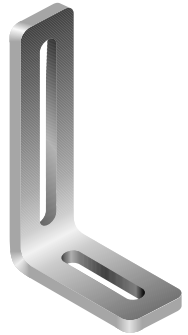
Gusseted  
Angle Bracket



Part Number	Stainless	Plated	Thickness
VG-205-C-18-P		•	1/8
VG-205-C-18-S	•		1/8
VG-205-C-316-P		•	3/16
VG-205-C-316-S	•		3/16
VG-205-C-14-P		•	1/4
VG-205-C-14-S	•		1/4

### 205-D

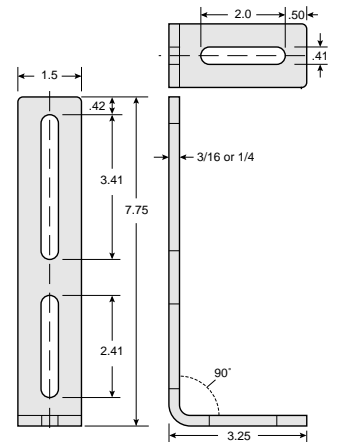
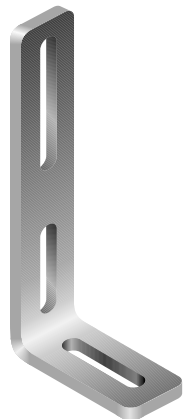
Long  
Angle Bracket  
(Single slot)



Part Number	Stainless	Plated	Thickness
VG-205-D-316-P		•	3/16
VG-205-D-316-S	•		3/16
VG-205-D-14-P		•	1/4
VG-205-D-14-S	•		1/4

### 205-E

Long  
Angle Bracket  
(Double slot)



Part Number	Stainless	Plated	Thickness
VG-205-E-316-P		•	3/16
VG-205-E-316-S	•		3/16
VG-205-E-14-P		•	1/4
VG-205-E-14-S	•		1/4

Note: Dimensions shown are nominal for 1/4 inch thick brackets.

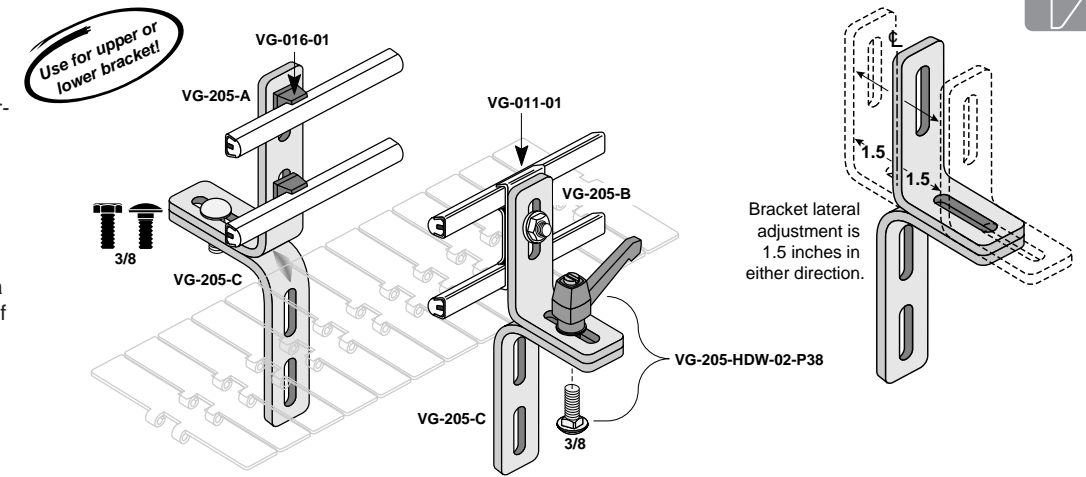
Matches 8" and 10" bead guide bolt hole patterns  
See page 57.

## Metal "L" Bracket Assemblies



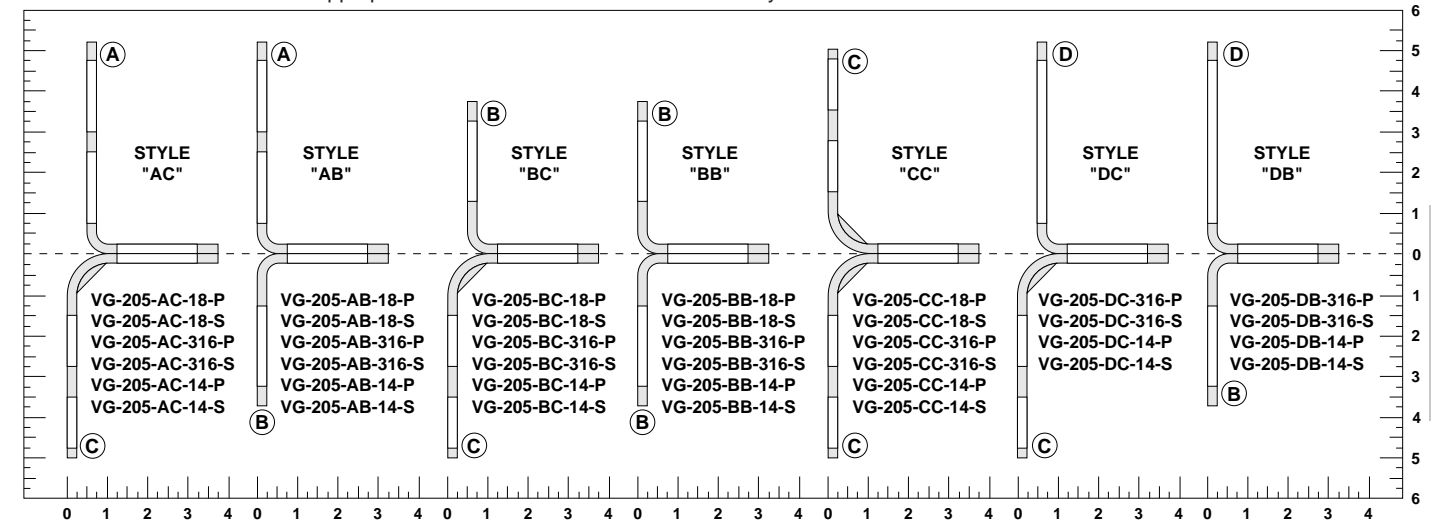
### Metal "L" Brackets

Adjustable metal bracket that fits most every application and cost requirement. Available in five different styles each with various metal thicknesses for light to heavy duty needs. The taller top angle, with single or double slots, provides increased rail adjustability. The 3 inch high VG-205-B may be used as a lower cost base angle or as a top angle where a shorter range of height adjustability is acceptable.



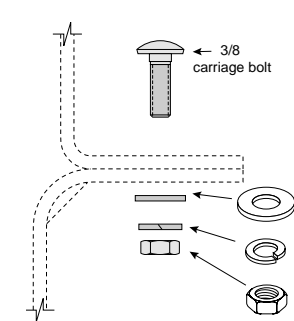
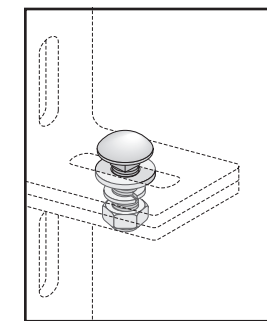
### Standard Metal "L" Bracket Assemblies

All bracket assemblies include appropriate VG-205-HDW-03 hardware assembly.



To order: Determine the style required from the chart above then select the part number based on the material type and thickness. Example: VG-205-AB-316-P = A top / B bottom, 3/16 inch thick material, zinc plated.

This hardware kit is included with 205 Bracket Assemblies shown above.

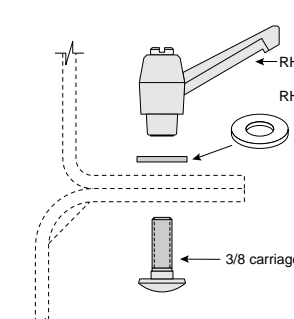
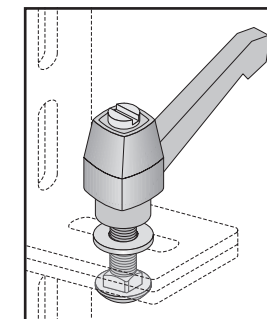


**Material:** Plated (P) or stainless steel (S) hardware.

Part Number	Material
VG-205-HDW-03-P38	P
VG-205-HDW-03-S38	S



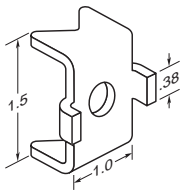
### Optional Hardware Kit



Part Number	Material
VG-205-HDW-02-P38	P
VG-205-HDW-02-S38	S



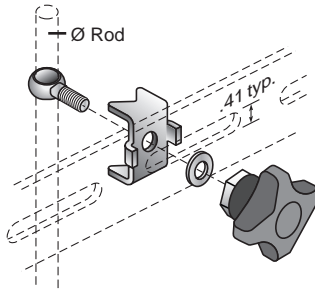
# Rod Mounts



## 641T

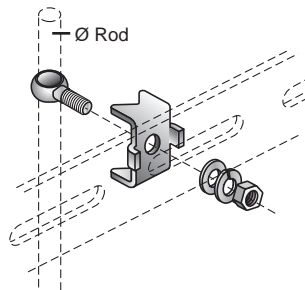
### Rod Mounts

Used for conveyor lane dividing applications or other rod adjustment situations. Positioning tabs lock the rod to bracket slots at 90°.



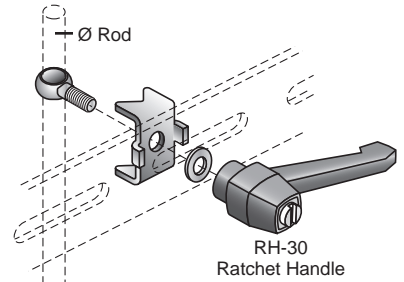
**Material:** Stainless steel.  
Black nylon knob.

Part Number	Ø Rod
VG-641T-K-12	1/2
VG-641T-K-58	5/8
VG-641T-K-34	*3/4



**Material:** Stainless steel.  
Stainless steel hardware.

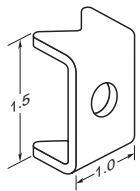
Part Number	Ø Rod
VG-641T-N-12	1/2
VG-641T-N-58	5/8
VG-641T-N-34	*3/4



**Material:** Stainless steel.  
Black nylon ratchet handle.

Part Number	Ø Rod
VG-641T-R-12	1/2
VG-641T-R-58	5/8
VG-641T-R-34	*3/4

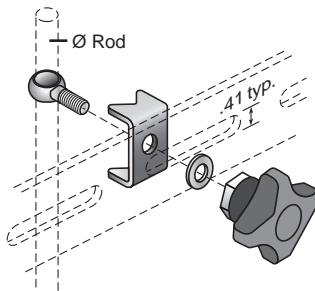
Brackets & Position Components



## 641

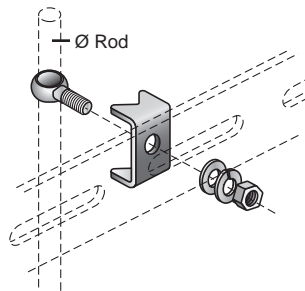
### Rod Mounts

Used for conveyor lane dividing applications or other rod adjustment situations. Rod can be rotated to any angle desired.



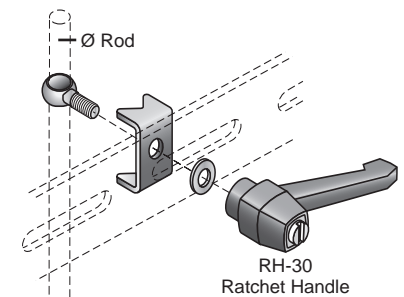
**Material:** Stainless steel.  
Black nylon knob.

Part Number	Ø Rod
VG-641-K-12	1/2
VG-641-K-58	5/8
VG-641-K-34	*3/4



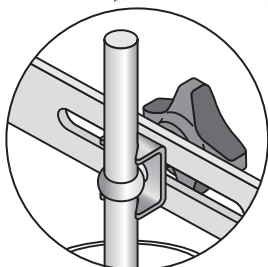
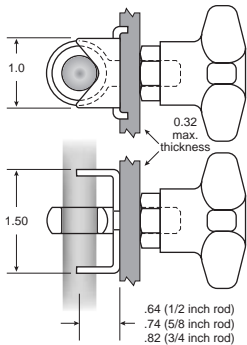
**Material:** Stainless steel.  
Stainless steel hardware.

Part Number	Ø Rod
VG-641-N-12	1/2
VG-641-N-58	5/8
VG-641-N-34	*3/4

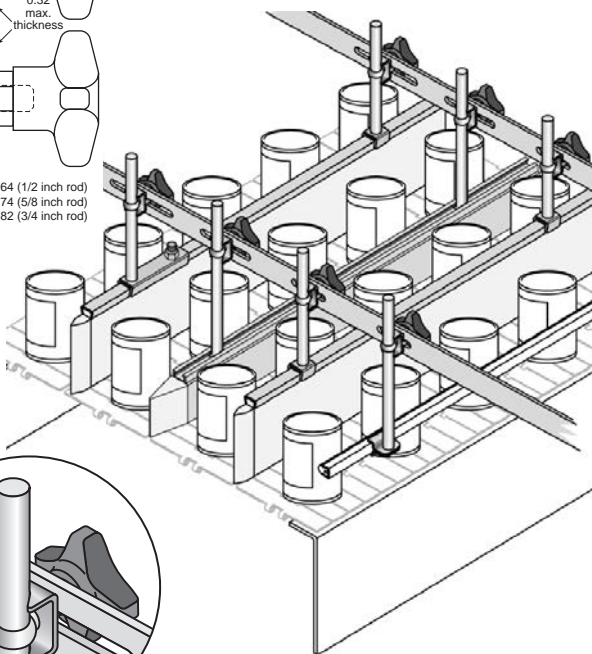


**Material:** Stainless steel.  
Black nylon ratchet handle.

Part Number	Ø Rod
VG-641-R-12	1/2
VG-641-R-58	5/8
VG-641-R-34	*3/4

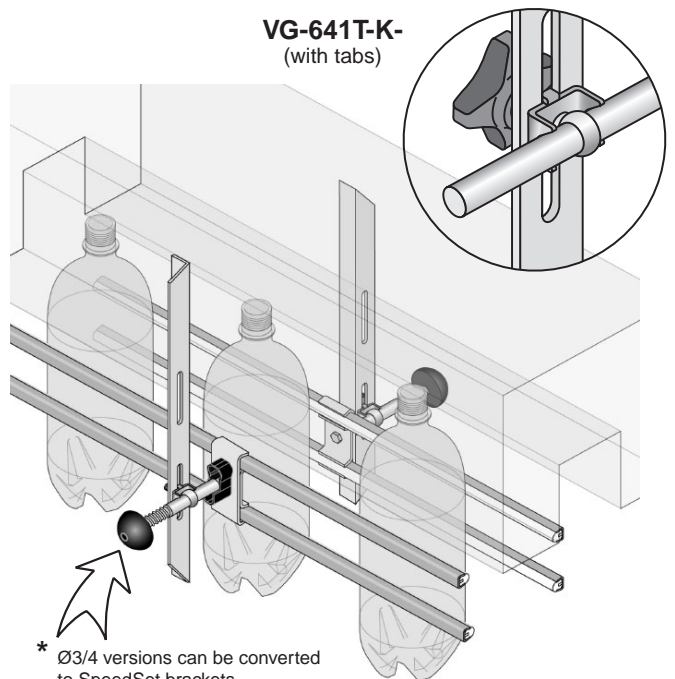


VG-641-K-  
(without tabs)



\* Ø3/4 versions can be converted to SpeedSet brackets.

VG-641T-K-  
(with tabs)



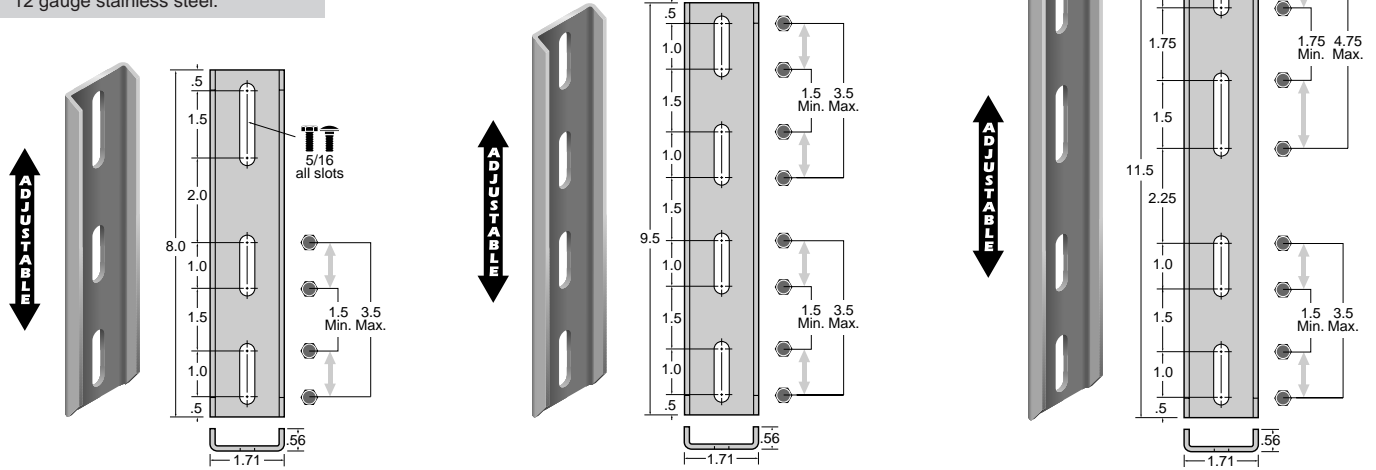
\* Ø3/4 versions can be converted to SpeedSet brackets.



## 201

### Fixed Guide Rail Bracket

**Material:** Bracket is zinc plated or 12 gauge stainless steel.



Part Number	Stainless	Plated	Length
VG-201-P08		•	8
VG-201-S08	•		8

Part Number	Stainless	Plated	Length
VG-201-P095		•	9.5
VG-201-S095	•		9.5

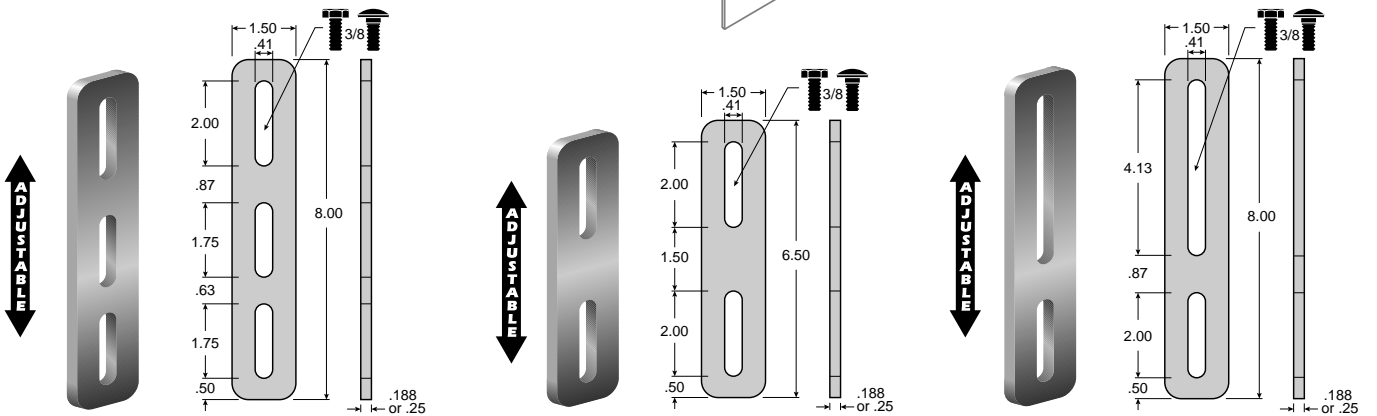
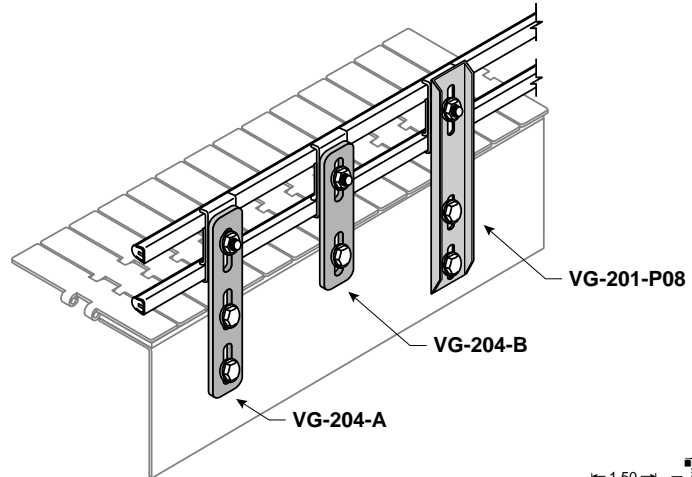
Part Number	Stainless	Plated	Length
VG-201-P115		•	11.5
VG-201-S115	•		11.5

## 204

### Adjustable Support Bar

Support for guide rail. The new 204-D series support bar features an extended slot for greater adjustability.

**Material:** Bracket is zinc plated or polished 304 stainless steel.



Part Number	Stainless	Plated	Thickness	Length
VG-204-A316-P		•	3/16	8
VG-204-A316-S	•		3/16	8
VG-204-A14-P		•	1/4	8
VG-204-A14-S	•		1/4	8

Part Number	Stainless	Plated	Thickness	Length
VG-204-B316-P		•	3/16	6.5
VG-204-B316-S	•		3/16	6.5
VG-204-B14-P		•	1/4	6.5
VG-204-B14-S	•		1/4	6.5

Part Number	Stainless	Plated	Thickness	Length
VG-204-D316-P		•	3/16	8
VG-204-D316-S	•		3/16	8
VG-204-D14-P		•	1/4	8
VG-204-D14-S	•		1/4	8



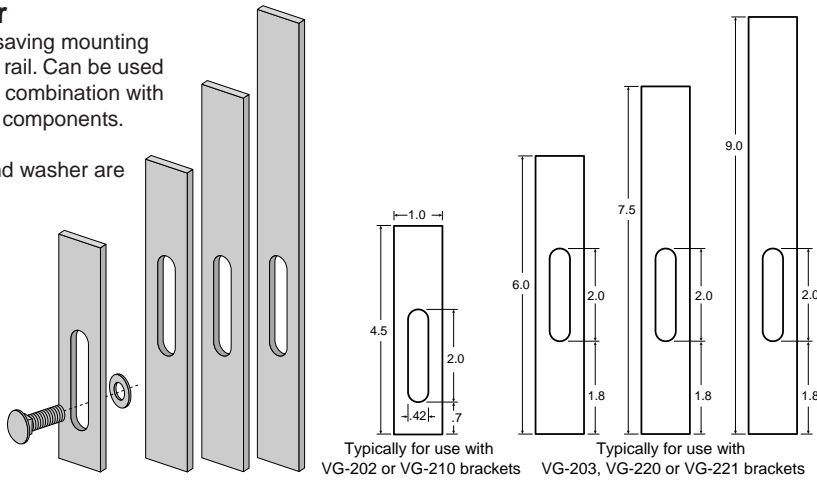
# Mounting Bars and Caps

## 204F

### Mounting Bar

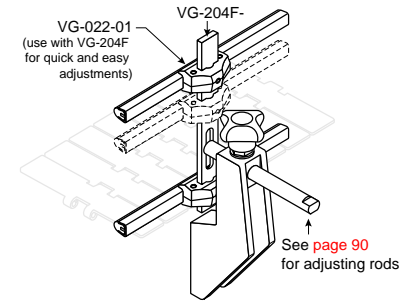
Versatile and time saving mounting bar positions guide rail. Can be used independently or in combination with various Valu Guide components.

3/8 carriage bolt and washer are included.



**Material:** 304 stainless steel, 3/16 x 1 inch.

Part Number	Length
VG-204F-45-316S	4.5
VG-204F-60-316S	6.0
VG-204F-75-316S	7.5
VG-204F-90-316S	9.0

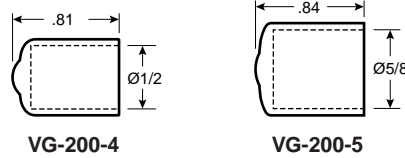


Brackets & Position Components

## 200

### Adjusting Rod Protective Caps

Can be used on all VG-020, VG-212 and VG-232 adjusting rods.



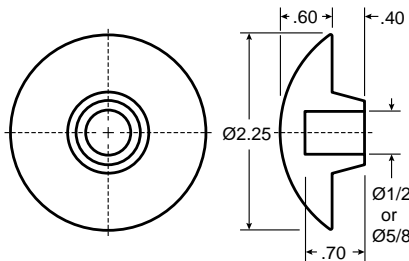
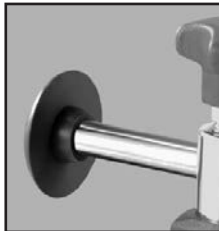
**Material:** Yellow (Y) or red (R) PVC.

Part Number	Color	Ø Rod
VG-200-4Y	Y	1/2
VG-200-4R	R	1/2
VG-200-5Y	Y	5/8
VG-200-5R	R	5/8

## 200-225

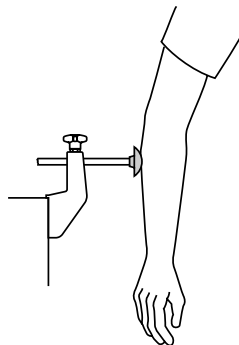
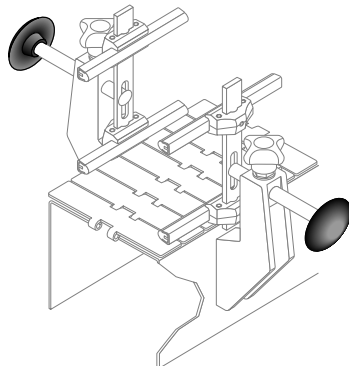
### Safety Cap

Provides personnel protection from exposed rod ends.



**Material:** Black rubber.

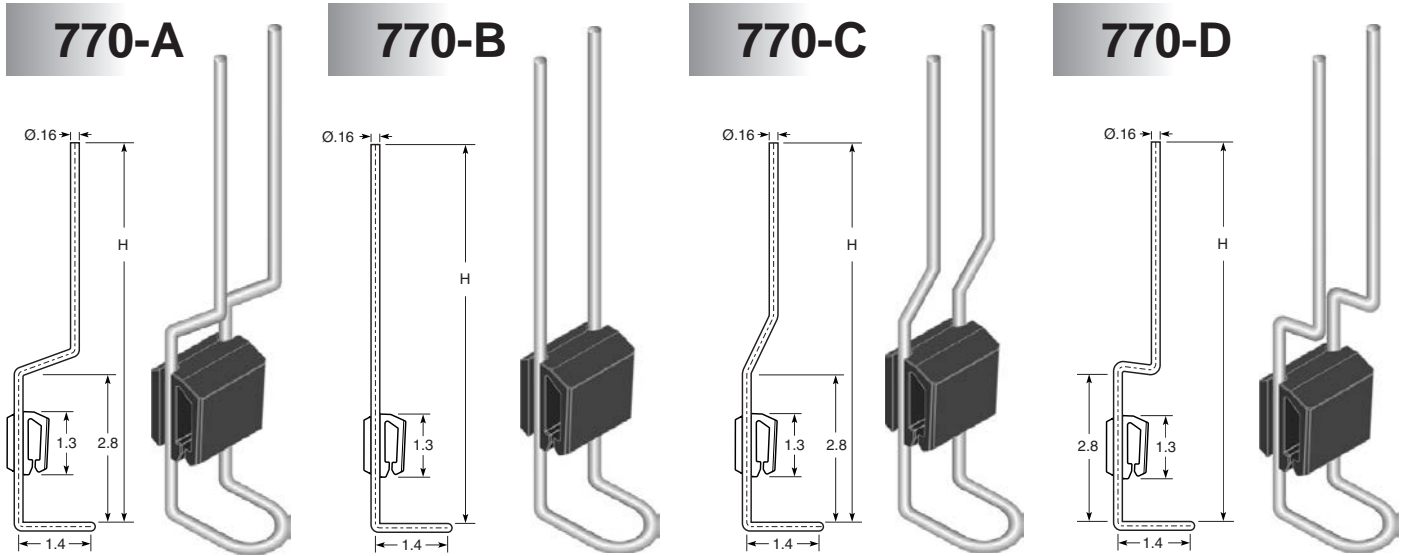
Part Number	Ø Rod
VG-200-225-12-B	1/2
VG-200-225-58-B	5/8



# Drip Pan Holders



Solus industrial Innovations introduces a complete line of Drip Pan Holders in a variety of configurations to accommodate most applications. Made of stainless steel and polyamide, these components are fully adjustable corrosion resistant.



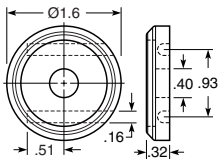
**Material:** Polyamide spacer block with 304 stainless steel wire holder.

Part Number	H (in.)	Part Number	H (in.)	Part Number	H (in.)	Part Number	H (in.)
VG-770-A-L180	7	VG-770-B-L250	10	VG-770-C-L180	7	VG-770-D-L180	7
VG-770-A-L250	10	VG-770-B-L300	12	VG-770-C-L250	10	VG-770-D-L300	12
VG-770-A-L300	12						

Brackets & Position Components

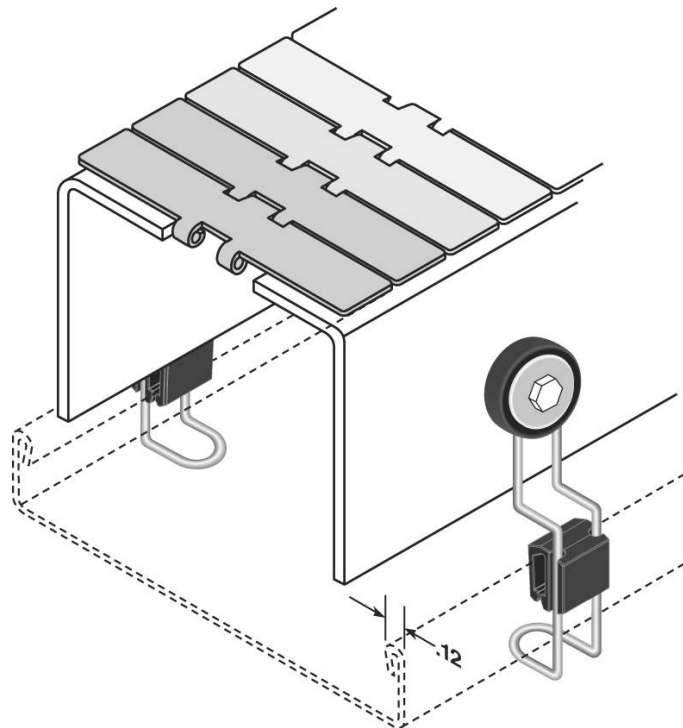
## 771

### Drip Pan Mounting Washer



**Material:** Polyamide plate with stainless steel washer.

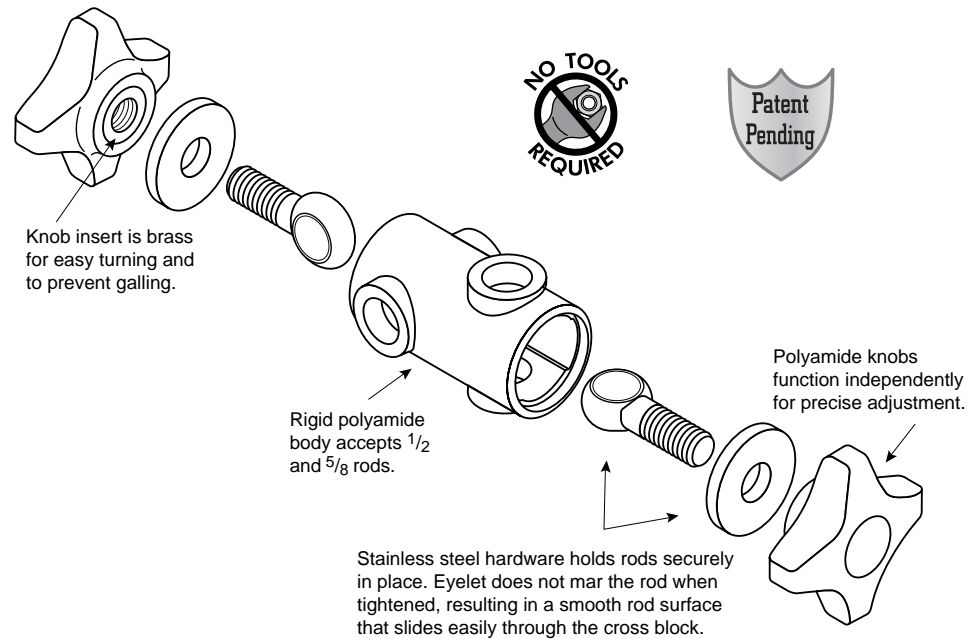
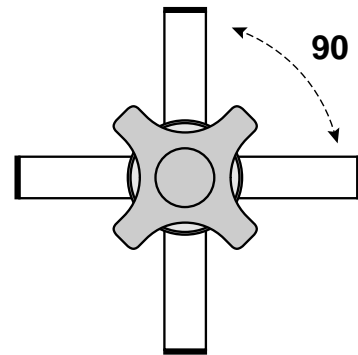
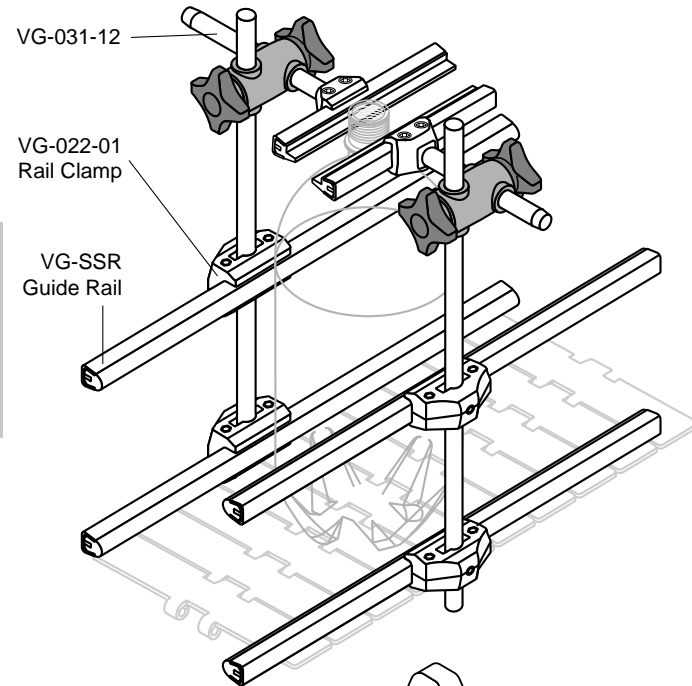
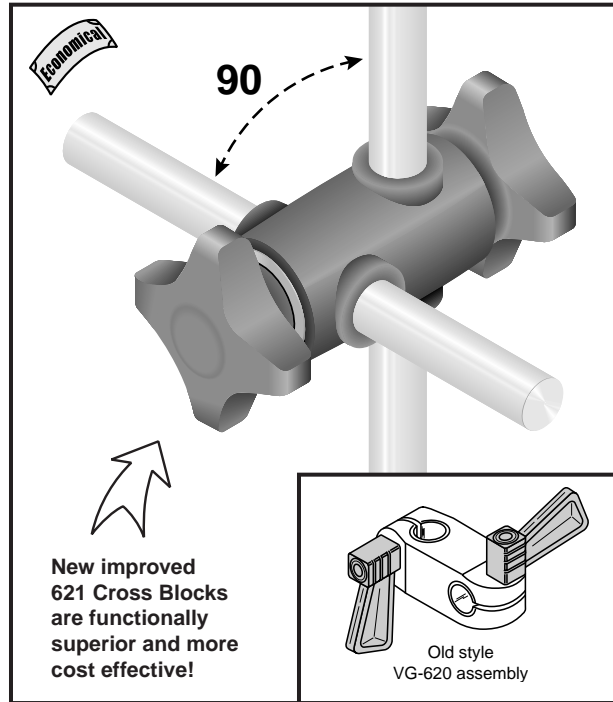
Part Number  
**VG-771-M10**



## Heavy Duty Cross Blocks

Valu Guide 621 series heavy duty cross blocks firmly hold two rods at 90°. When adjustment is necessary, a simple turn of the hand knob loosens the cross block's grip on the rod. When the adjustment is complete, retighten the hand knob to lock the new position in place. These heavy duty cross blocks are manufactured from corrosion resistant polyamide with stainless steel hardware which provide superior strength and rigidity.

The unique design of the 621 series cross blocks does not rely on set screws that can score and mar adjusting rods and subsequently hinder movement. Instead, we use an eyelet which firmly clamps around the adjusting rod for superior holding strength. Independent rod adjustment makes the 621 series easy to work with. Knob versions do not require any tools for adjustment. Variations on the cross block design include optional lock washer and nut tightening, stainless steel body designs, and 45° cross rod angles.



## Heavy Duty Cross Blocks

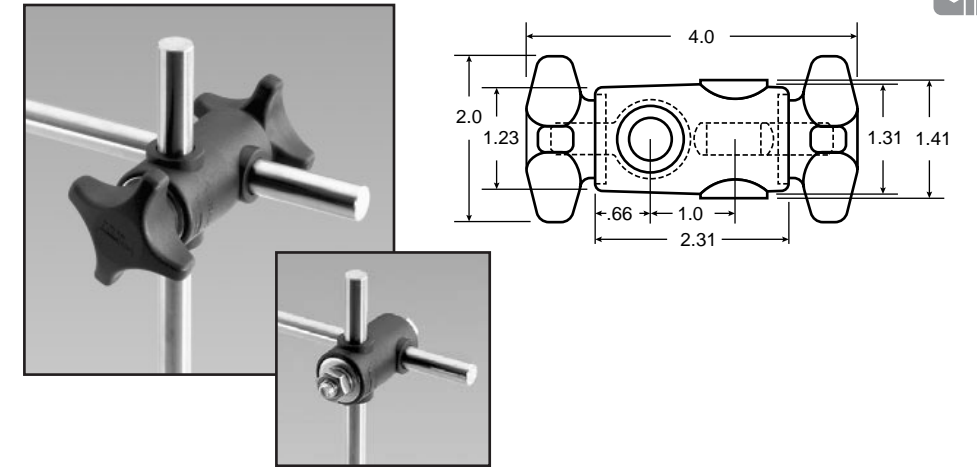
### 621 series

#### Cross Blocks

Connects two round rods at 90°. Versions available to hold Ø1/2 and Ø5/8 inch rods. Standard VG-621 cross blocks come with hand knobs on each side for quick adjustment.

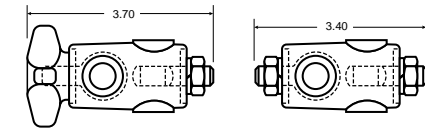
VG-621NK features a hand knob on one side and a nut with lock washer on the other side. The hand knob side is ideal for frequent adjustments while the lock washer and nut side is suited to more permanent positioning.

VG-621NN is supplied with lock washers and nuts on both sides for holding rods in place when less frequent adjustments are necessary.



**Material:** Polyamide body and knobs with brass inserts. Stainless steel hardware.

Part Number with 2 Knobs	Part Number with 1 Knob and 1 Nut	Part Number with 2 Nuts	Ø Rod	X	Ø Rod
VG-621-12-12	VG-621NK-12-12	VG-621NN-12-12	1/2		1/2
VG-621-12-58	VG-621NK-12-58	VG-621NN-12-58	1/2		5/8
VG-621-58-58	VG-621NK-58-58	VG-621NN-58-58	5/8		5/8



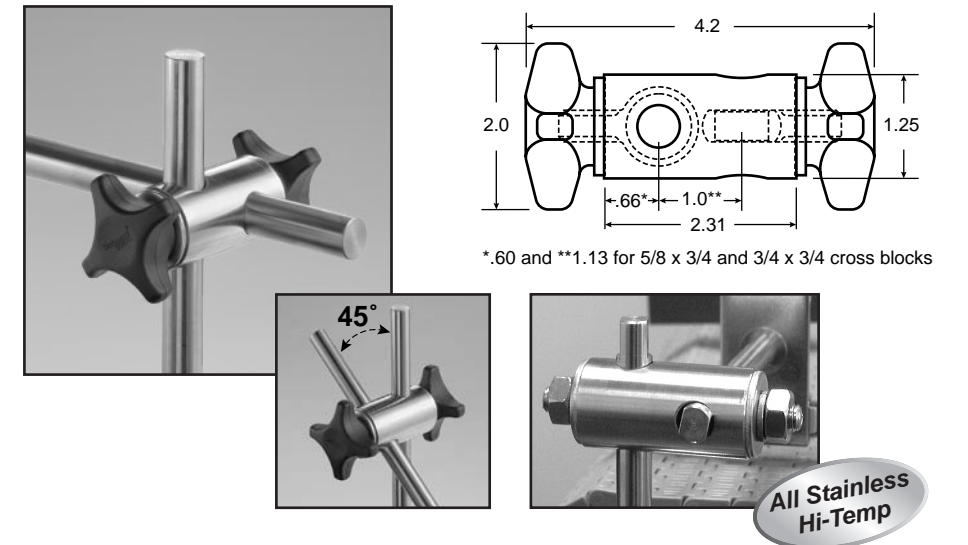
### 621S series

#### Stainless Steel Cross Blocks

VG-621S series connects two round rods at 90°. VG-621S-45 series connects two round rods at 45°. Versions available to hold Ø1/2, Ø5/8, and Ø3/4 inch rods. Standard cross blocks come with hand knobs on each side for quick adjustment.

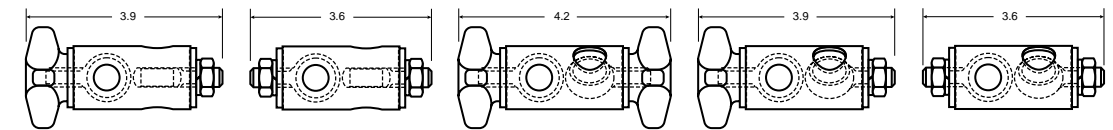
NK designated part numbers feature a hand knob on one side and a nut with lock washer on the other side. The hand knob side is ideal for frequent adjustments while the lock washer and nut side is suited to more permanent positioning.

NN designated part numbers are supplied with lock washers and nuts on both sides for holding rods in place when less frequent adjustments are necessary. NN versions of VG-621S series cross blocks are completely stainless steel.



**Material:** Polyamide body and knobs with brass inserts. Stainless steel hardware.

Part Number with 2 Knobs	Part Number with 1 Knob and 1 Nut	Part Number with 2 Nuts	Part Number with 2 Knobs, 45°	Part Number with 1 Knob and 1 Nut, 45°	Part Number with 2 Nuts, 45°	Ø Rod	X	Ø Rod
VG-621S-12-12	VG-621SNK-12-12	VG-621SNN-12-12	VG-621S-45-12-12R	VG-621SNK-45-12-12R	VG-621SNN-45-12-12R	1/2		1/2
VG-621S-12-58	VG-621SNK-12-58	VG-621SNN-12-58	VG-621S-45-12-58R	VG-621SNK-45-12-58R	VG-621SNN-45-12-58R	1/2		5/8
VG-621S-58-58	VG-621SNK-58-58	VG-621SNN-58-58	VG-621S-45-58-58R	VG-621SNK-45-58-58R	VG-621SNN-45-58-58R	5/8		5/8
VG-621S-58-34	VG-621SNK-58-34	VG-621SNN-58-34	-	-	-	5/8		3/4
VG-621S-34-34	VG-621SNK-34-34	VG-621SNN-34-34	-	-	-	3/4		3/4

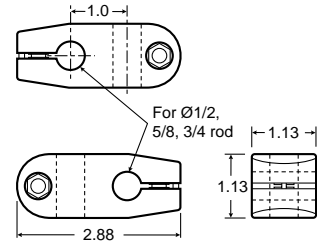


## Standard Cross Blocks

### 620

#### Rod to Rod Cross Block

Connects two round rods at 90°.



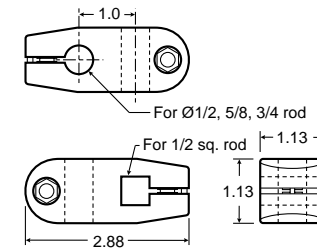
**Material:** Reinforced acetal with stainless steel bolt and nickel plated brass nut.

Part Number	Ø Rod	X	Ø Rod
VG-620-12-12	1/2		1/2
VG-620-12-58	1/2		5/8
VG-620-58-58	5/8		5/8
VG-620-34-34	3/4		3/4

### 620-12SQ

#### Rod to Square Rod Cross Block

Connects one round rod and one square rod at 90°.

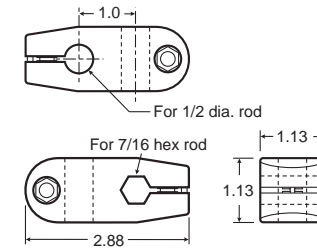


Part Number	Sq. Rod	X	Ø Rod
VG-620-12SQ-12	1/2		1/2
VG-620-12SQ-58	1/2		5/8
VG-620-12SQ-34	1/2		3/4

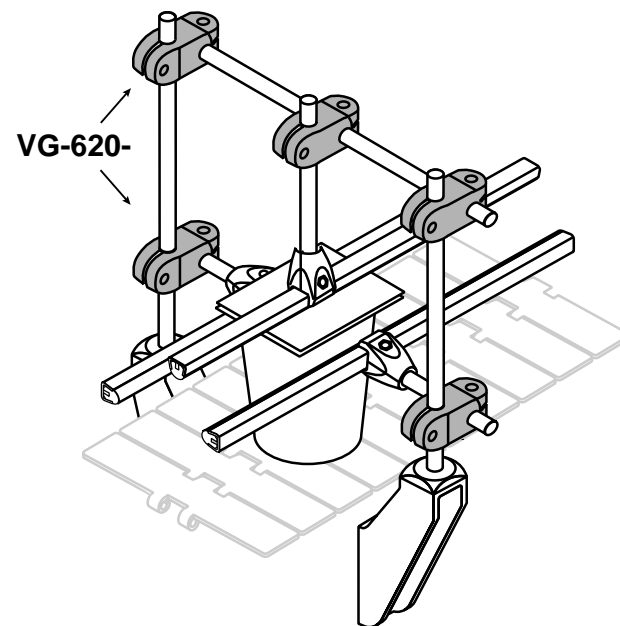
### 620-716HX

#### Rod to Hex Rod Cross Block

Connects one round rod and one hex rod at 90°.



Part Number	Hex. Rod	X	Ø Rod
VG-620-716HX-12	7/16		1/2

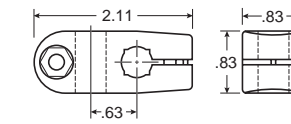


## Standard Cross Blocks, Ratchet Handle and Sensor Mount

### 619

#### Rod to Rod Cross Block

Connects one round rod and/or one square rod at 90°.



Accepts round rod or square rod!

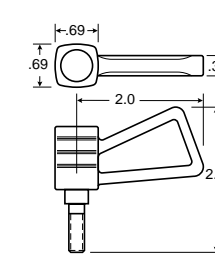
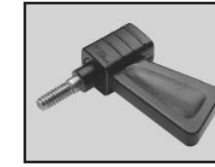
**Material:** Reinforced acetal with stainless steel bolt and nickel plated brass nut.

Part Number	Support Ø Rod (mm)
VG-619-10M	10mm/8mm sq.
VG-619-12M	12mm/10mm sq.
VG-619-14M	14mm/12mm sq.

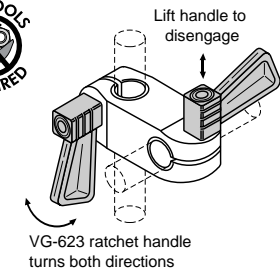
### 623

#### Ratchet Handle

Replaces fastener for easier adjustment. Used with VG-620 Cross Block. (Note: VG-621 Cross Blocks are functionally superior and more cost effective! See page 118.)



NO TOOLS REQUIRED



**Material:** Reinforced polyamide with stainless steel thread.

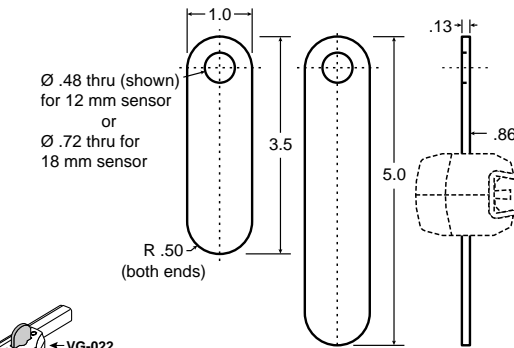
Part Number	Thread
VG-623-BK	1/4-20

See page 228 for additional ratchet handles.

### 612

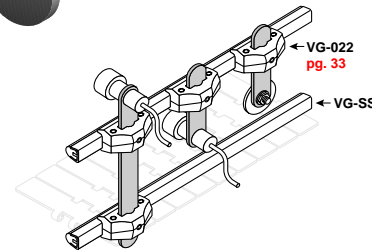
#### Sensor Mount

Accurately positions sensors and reflectors. Use with VG-022-01 rail clamp for ideal sensor mounting and quick adjustment, above or below guide rail.



**Material:** 304 stainless steel.

Part Number	Length(in.)	Sensor(mm)
VG-612-35-12	3.5	12
VG-612-35-18	3.5	18
VG-612-50-12	5	12
VG-612-50-18	5	18

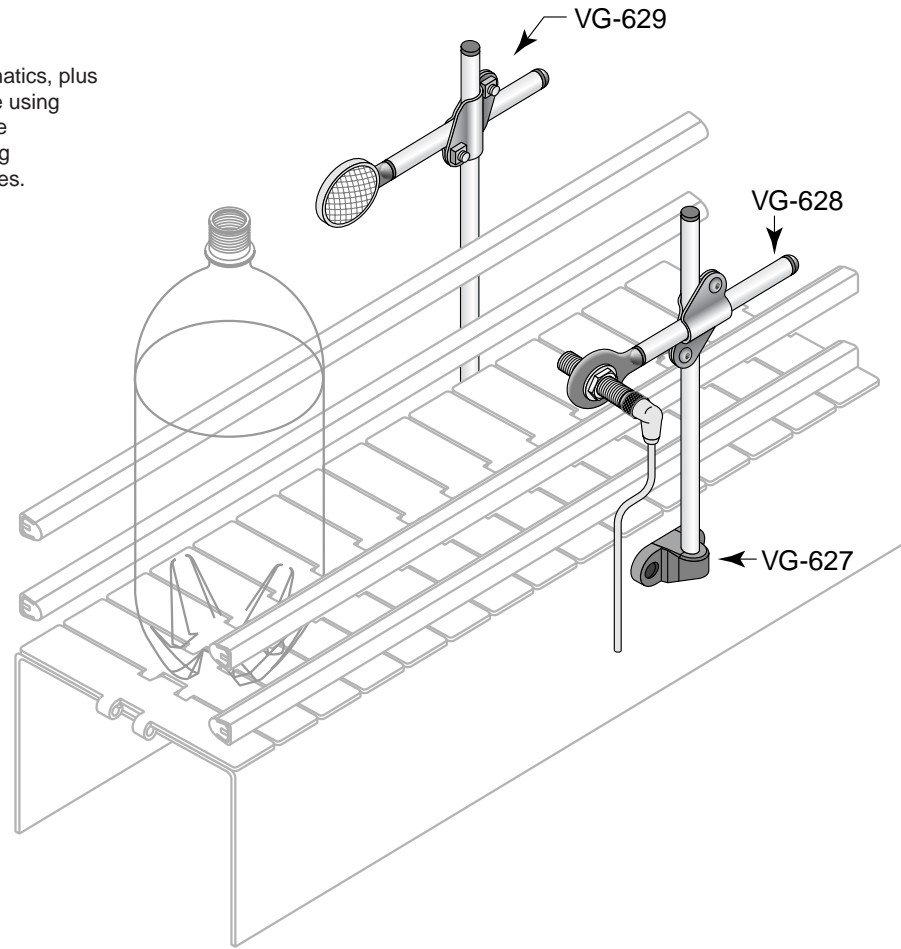




## Accessory Holders

### Universal Accessory Holders

Photocells, sensors, spray heads, miniature pneumatics, plus many other accessories can easily be held in place using accessory holders. These multi-axis assemblies are designed to offer unlimited possibilities for mounting accessories on conveyors and machinery of all types. Made of corrosion resistant thermoplastic and stainless steel, accessory holders can withstand harsh operating environments. Accessory holder assemblies are configured to hold either sensors or reflectors, and are available with Ø1/2 inch support rods. Each component is available individually.



Material: Polyamide and stainless steel.

Part Number	Rod Length (in.)	Rod Ø (in.)
VG-627-30-12	3.0	1/2
VG-627-45-12	4.5	1/2
VG-627-80-12	8.0	1/2

Patented Feature  
Patent Numbers  
6,427,829 B1  
6,591,978

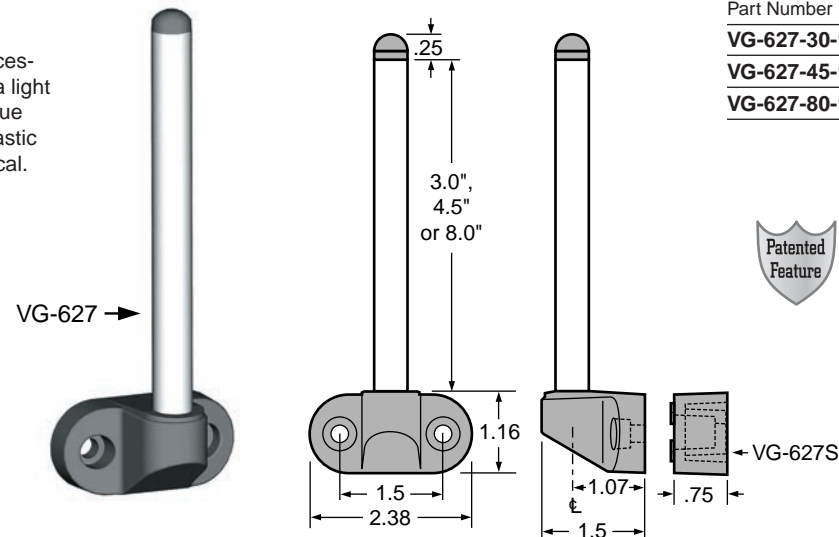
Material: Polyamide.

Part Number	Thickness (in.)
VG-627S-34	3/4

## 627

### Molded T-Rod

Can be used as part of an accessory holding assembly, or as a light duty side mount bracket. Unique stainless steel and molded plastic design is strong, yet economical.



## 627S

### T-Rod Offset Spacer

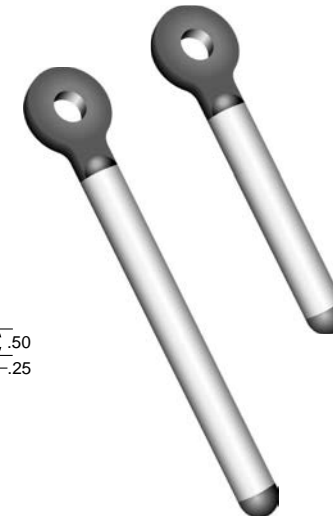
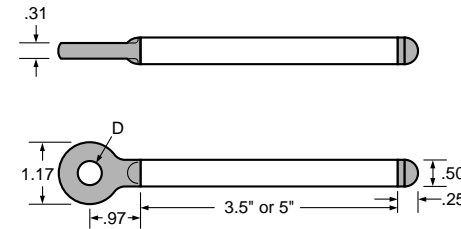
Plastic spacer is used to offset T-Rod from mounting surface. Multiples can be stacked.

## Accessory Holders

## 628

### Accessory Holder

This unique stainless steel and molded plastic design is a strong, yet economical method for holding many types of accessories. A variety of bore sizes are available.



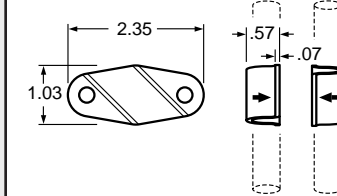
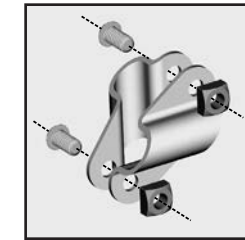
Material: Polyamide holder, stainless steel rod.

Part Number	Rod Length (in.)	Rod Ø (in.)	Accessory Hole Ø (D)
VG-628-35-12-14	3.5	1/2	.25
VG-628-35-12-38	3.5	1/2	.38
VG-628-35-12-12	3.5	1/2	.50
VG-628-35-12-58	3.5	1/2	.63
VG-628-35-12-34	3.5	1/2	.75
VG-628-50-12-14	5.0	1/2	.25
VG-628-50-12-38	5.0	1/2	.38
VG-628-50-12-12	5.0	1/2	.50
VG-628-50-12-58	5.0	1/2	.63
VG-628-50-12-34	5.0	1/2	.75

## 629

### Cross Clamp

Stainless steel clamp used to connect two Ø1/2 inch round rods at 90°. Fastening hardware is included.



Patented Feature

Patent No.  
6,591,978

Material: Stainless steel.

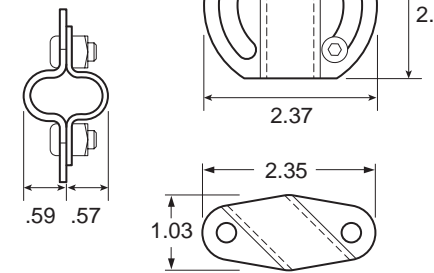
Part Number	Rod Ø (in.)	X	Rod Ø (in.)
VG-629-12-12	1/2		1/2

## 629R

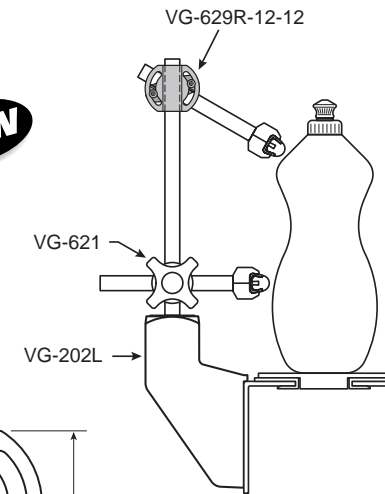
### Rotating Cross Clamp

Stainless steel clamp used to connect two Ø1/2 inch round rods at any angle. Fastening hardware is included.

Patent Pending

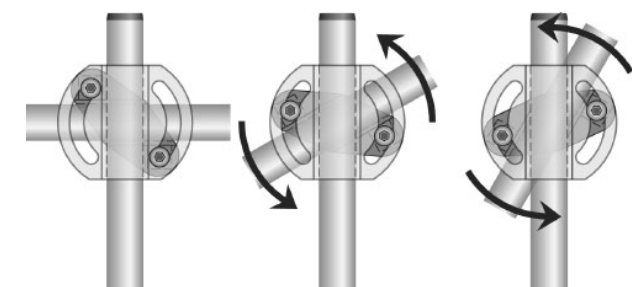
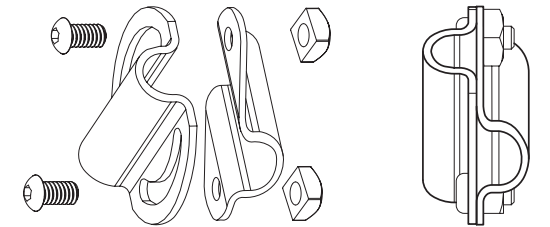


NEW



Material: Stainless steel.

Part Number	Rod Ø (in.)	X	Rod Ø (in.)
VG-629R-12-12	1/2		1/2



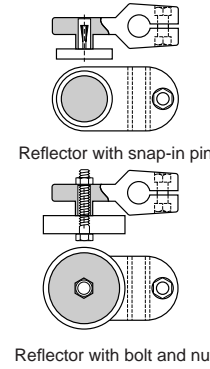
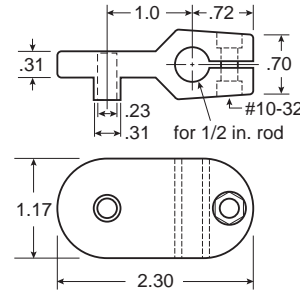


## Accessory Mount Components for 1/2" Rod

### 614

#### Reflector Mount

Used to hold reflectors using a cap screw and nut or press-in clip onto Ø1/2 inch support rods.



**Material:** Reinforced polyamide body with stainless steel fasteners.

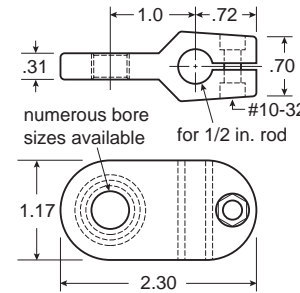
Part Number	Ø Rod (in.)
<b>VG-614-12</b>	<b>1/2</b>

*Note: Reflectors not included.*

### 618

#### Accessory Holder

Used to hold many types of accessories onto Ø1/2 inch support rods. A variety of bore sizes are available.

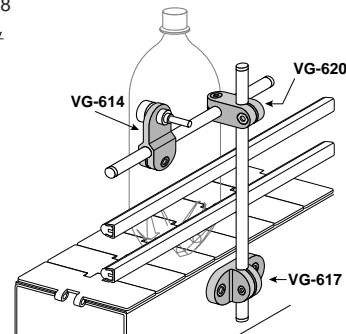
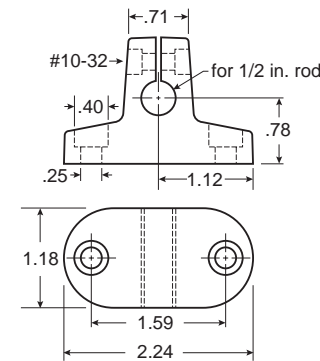


Part Number	Support Ø Rod (in.)	Accessory Ø Bore (in.)
<b>VG-618-12-14</b>	<b>1/2</b>	<b>1/4</b>
<b>VG-618-12-38</b>	<b>1/2</b>	<b>3/8</b>
<b>VG-618-12-12</b>	<b>1/2</b>	<b>1/2</b>
<b>VG-618-12-58</b>	<b>1/2</b>	<b>5/8</b>
<b>VG-618-12-34</b>	<b>1/2</b>	<b>3/4</b>

### 617

#### T-Clamp

Mounts to side of equipment to provide support for light duty rod type guide rail systems. Part of the VG-615 series accessory holder assembly.

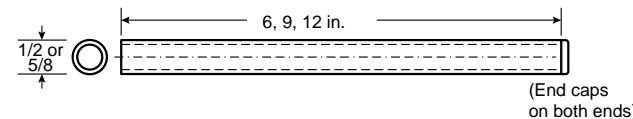
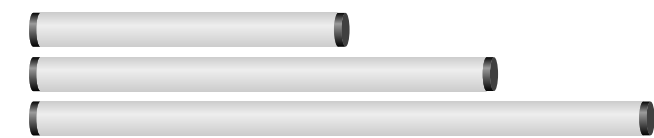


Part Number	Ø Rod (in.)
<b>VG-617-12</b>	<b>1/2</b>

### 215

#### Support Rods

Available in three lengths, these rods can be used with accessory cross blocks, holders and clamps. They are made from 1/2 and 5/8 inch OD stainless steel tubing. The ends are capped with a black polyethylene plug.



**Material:** 304 stainless steel tube. Black polyethylene end caps.

1/2" Part Number	5/8" Part Number	Length (in.)
<b>VG-215-06-12T</b>	<b>VG-215-06-58T</b>	<b>6</b>
<b>VG-215-09-12T</b>	<b>VG-215-09-58T</b>	<b>9</b>
<b>VG-215-12-12T</b>	<b>VG-215-12-58T</b>	<b>12</b>

## Accessory Mount Assemblies with 1/2" Rod

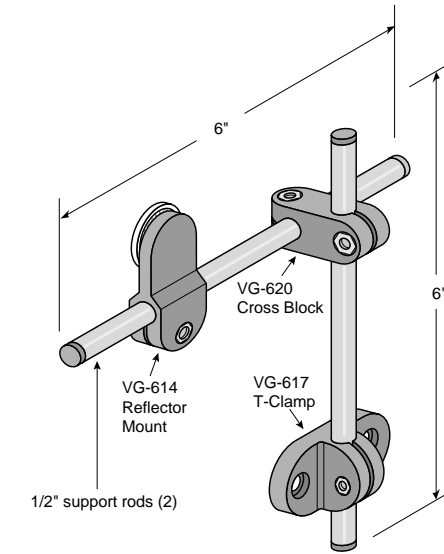


### 615R

#### Reflector Mounting Assembly

The assembly for holding reflectors is available with Ø1/2 inch support rods and corresponding attachments.

VG-615R-12 consists of the following parts:



**Material:** Corrosion resistant thermoplastic parts with stainless steel fasteners. Stainless steel tubes with plastic insert caps.

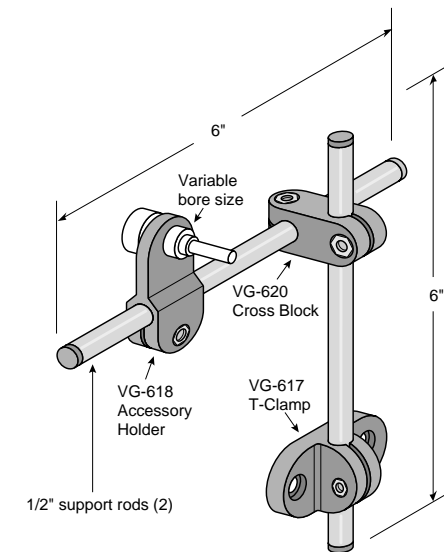
Part Number	Ø Support Rod (in.)
<b>VG-615R-12</b>	<b>1/2</b>

### 615A

#### Sensor Mounting Assembly

The assembly for holding sensors is available with Ø1/2 inch support rods and corresponding attachments. The accessory holder attachment is available in a variety of bore sizes as shown in the part number table.

VG-615A-12- assemblies consist of the following parts:



Part Number	Support Ø Rod (in.)	Accessory Holder Ø Bore (in.)
<b>VG-615A-12-14</b>	<b>1/2</b>	<b>1/4</b>
<b>VG-615A-12-38</b>	<b>1/2</b>	<b>3/8</b>
<b>VG-615A-12-12</b>	<b>1/2</b>	<b>1/2</b>
<b>VG-615A-12-58</b>	<b>1/2</b>	<b>5/8</b>
<b>VG-615A-12-34</b>	<b>1/2</b>	<b>3/4</b>

## Accessory Mount Components for 10mm Rod

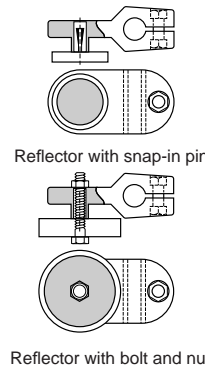
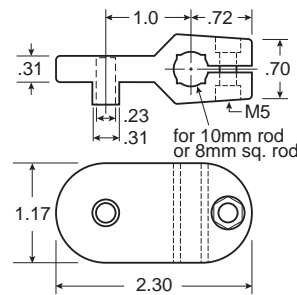
### 614-10M

#### Reflector Mount

Used to hold reflectors using a cap screw and nut or press-in clip onto Ø10mm support rods.



Accepts 10 mm round rod or 8 mm square rod!



**Material:** Reinforced polyamide body with stainless steel fasteners.

Part Number	Ø Rod (mm)
<b>VG-614-10M</b>	<b>10mm/8mm sq.</b>

*Note: Reflectors not included.*

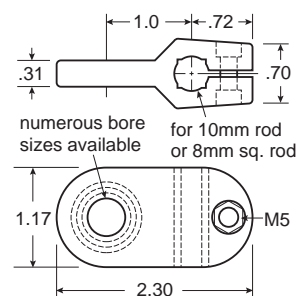
### 618-10M

#### Accessory Holder

Used to hold many types of accessories onto Ø10mm support rods. A variety of bore sizes are available.



Accepts 10 mm round rod or 8 mm square rod!



Part Number	Support Ø Rod (mm)	Accessory Ø Bore (mm)
<b>VG-618-10M-6</b>	<b>10mm/8mm sq.</b>	<b>6</b>
<b>VG-618-10M-10</b>	<b>10mm/8mm sq.</b>	<b>10</b>
<b>VG-618-10M-12</b>	<b>10mm/8mm sq.</b>	<b>12</b>
<b>VG-618-10M-16</b>	<b>10mm/8mm sq.</b>	<b>16</b>
<b>VG-618-10M-19</b>	<b>10mm/8mm sq.</b>	<b>19</b>

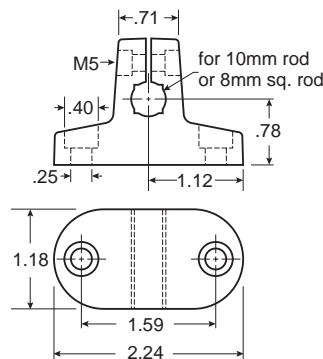
### 617-10M

#### T-Clamp

Mounts to side of equipment to provide support for light duty rod type guide rail systems. Part of the VG-615 series accessory holder assembly.



Accepts 10 mm round rod or 8 mm square rod!



Part Number	Support Ø Rod (mm)
<b>VG-617-10M</b>	<b>10mm/8mm sq.</b>

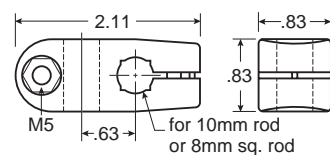
### 619-10M

#### Rod to Rod Cross Block

Connects two 10mm round rods or 8mm square rods at 90°. Part of the VG-615R-10M or VG-615A-10M accessory holder assembly.



Accepts 10 mm round rod or 8 mm square rod!

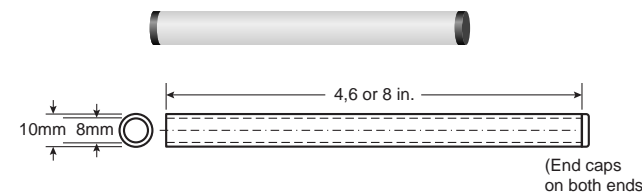


Part Number	Support Ø Rod (mm)
<b>VG-619-10M</b>	<b>10mm/8mm sq.</b>

### 616

#### Ø 10mm Support Rod

This 10mm OD stainless steel tube can be used with accessory cross blocks, holders and clamps. The ends are capped with a black polyethylene plug.

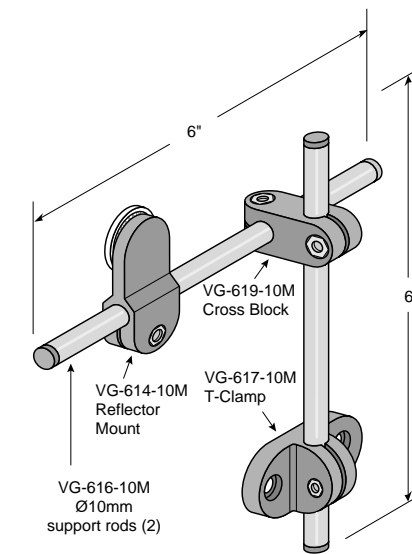


**Material:** 304 stainless steel tube. Black polyethylene end caps.

Part Number	Length (in.)
<b>VG-616-04-10M</b>	<b>4</b>
<b>VG-616-06-10M</b>	<b>6</b>
<b>VG-616-08-10M</b>	<b>8</b>

## Accessory Mount Assemblies with 10mm Rod

VG-615R-10M consists of the following parts:



### 615R-10M

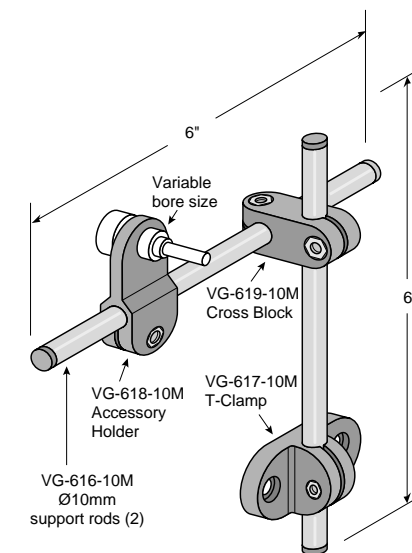
#### Reflector Mounting Assembly

The assembly for holding reflectors is available with Ø10mm support rods and corresponding attachments.

**Material:** Corrosion resistant thermoplastic parts with stainless steel fasteners. Stainless steel tubes with plastic insert caps.

Part Number	Ø Support Rod
<b>VG-615R-10M</b>	<b>10mm</b>

VG-615A-10M- assemblies consist of the following parts:



### 615A-10M

#### Sensor Mounting Assembly

The assembly for holding sensors is available with Ø10mm inch support rods and corresponding attachments. The accessory holder attachment is available in a variety of bore sizes as shown in the part number table.

Part Number	Support Ø Rod (mm)	Accessory Ø Bore (mm)
<b>VG-615A-10M-6</b>	<b>10mm</b>	<b>6.5</b>
<b>VG-615A-10M-10</b>	<b>10mm</b>	<b>9.5</b>
<b>VG-615A-10M-13</b>	<b>10mm</b>	<b>12.7</b>
<b>VG-615A-10M-16</b>	<b>10mm</b>	<b>16</b>
<b>VG-615A-10M-19</b>	<b>10mm</b>	<b>19</b>

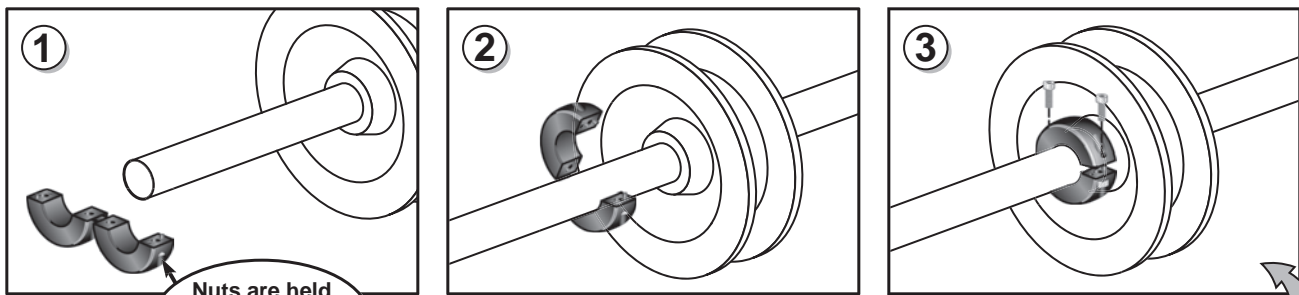
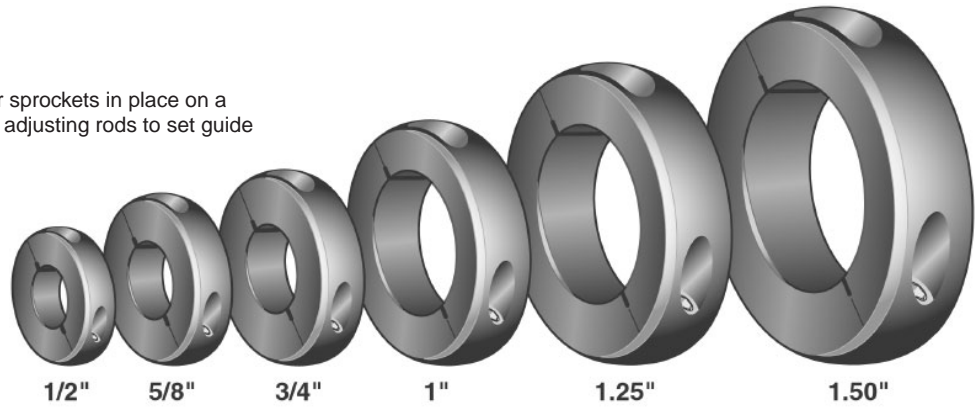


## SC

### Locking Shaft Collars

For holding idler wheels or various other sprockets in place on a shaft. Also can be used with Valu Guide adjusting rods to set guide rail positions for two container sizes.

- Available with or without keyways.
- Convenient hinge keeps parts together for easy installation.
- Fastening hardware included.

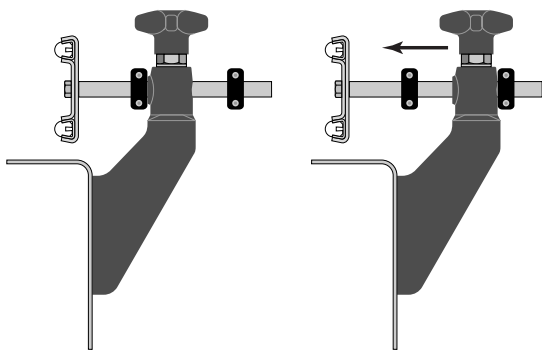


Nuts are held in place within the part

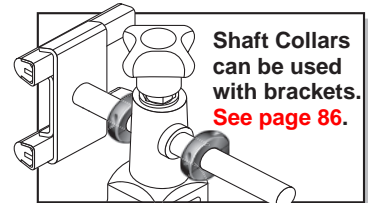
Shaft Collars can be used with idler wheels. See page 166.

Brackets & Position Components

Pre-set, repeatable adjustments!

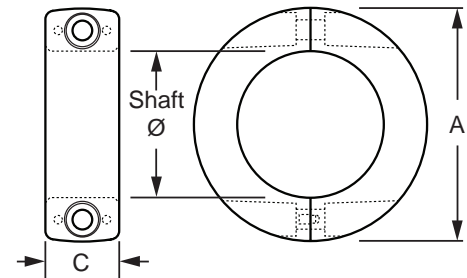


Shaft Collars can be used with Nolu-S bearings. See page 235.



Shaft Collars can be used with brackets. See page 86.

Easy to install on existing lines!



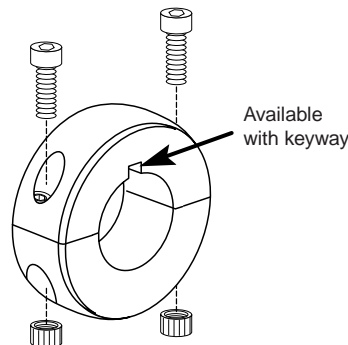
**Material:** Polyamide ring with stainless steel and nickel plated brass hardware.

Part Number	with keyway	A	Shaft Ø	C	keyway
VG-SC-12	-	1.10	1/2"	.46	-
VG-SC-58	-	1.22	5/8"	.46	-
VG-SC-34	-	1.50	3/4"	.55	-
VG-SC-100	VG-SCK-100	1.75	1"	.55	1/4"
VG-SC-125	VG-SCK-125	2.00	1-1/4"	.63	1/4"
VG-SC-150	VG-SCK-150	2.50	1-1/2"	.70	3/8"

## SCK

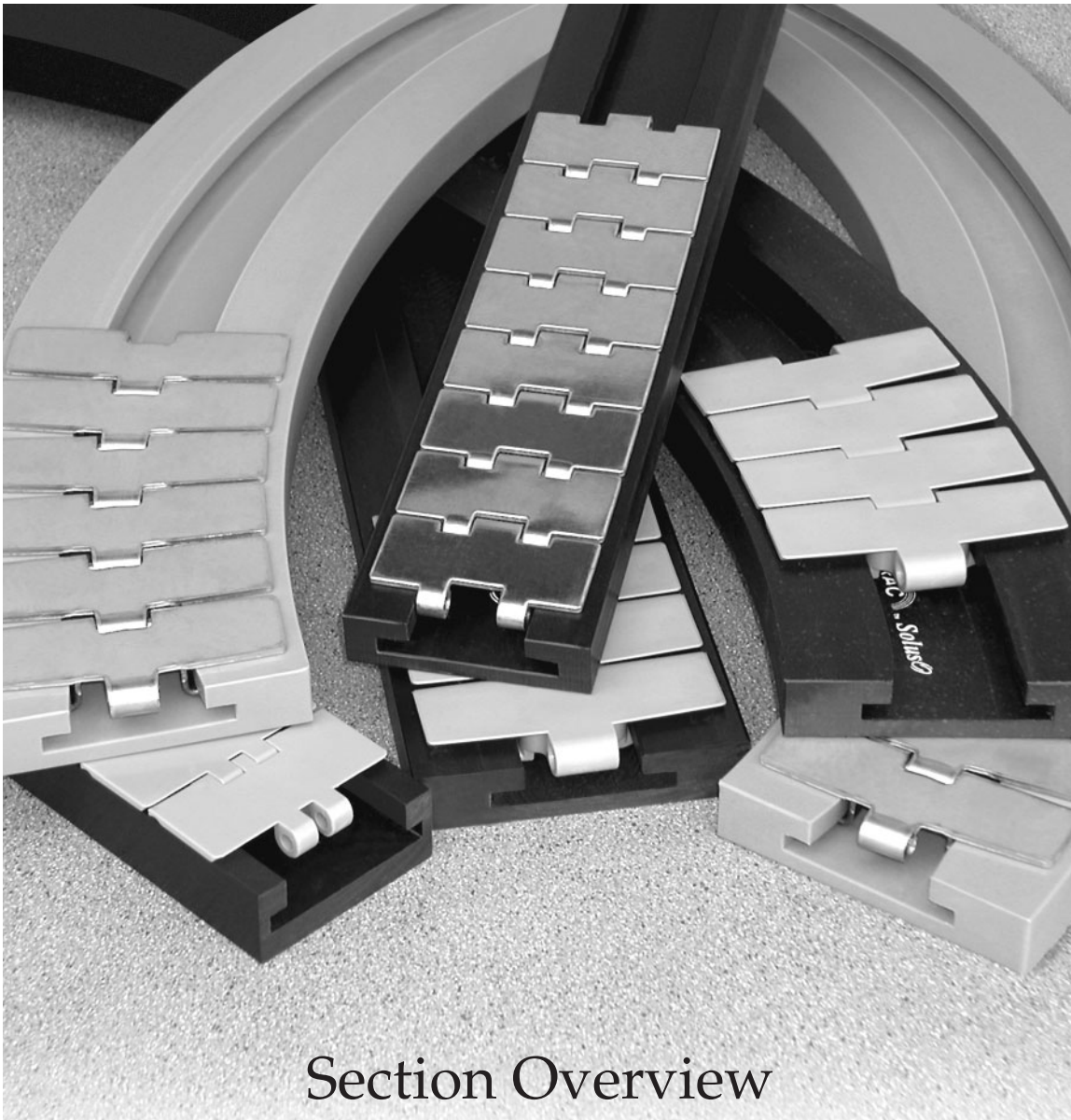
### Locking Shaft Collars with Keyway

For holding sprockets or idler wheels on keyed shafts.



Available with keyway

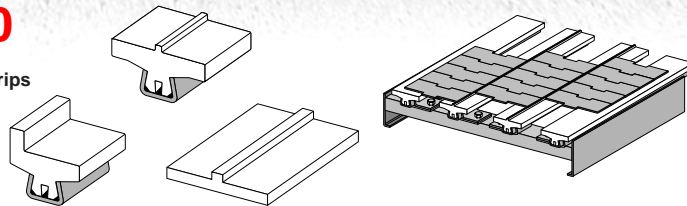
# Conveyor Chain Guides & Wear Strips



## Section Overview

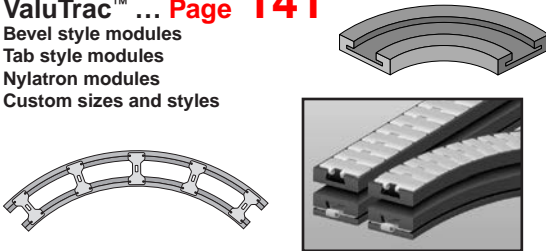
### Conveyor Wear Strips ... Page 130

- Chain Guides
- Tee Wear Strip
- Tab Chain Guide
- Rectangular Wear Strips
- Drive Rivets
- Two piece curved Wear Strips
- Chain Return Shoe



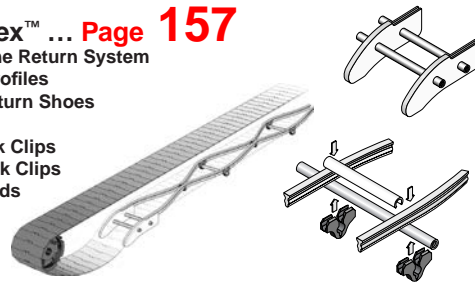
### ValuTrac™ ... Page 141

- Bevel style modules
- Tab style modules
- Nylatron modules
- Custom sizes and styles



### ValuFlex™ ... Page 157

- Serpentine Return System
- UHMW profiles
- Chain Return Shoes
- Spacers
- SnapLock Clips
- PinchLock Clips
- Cross Rods



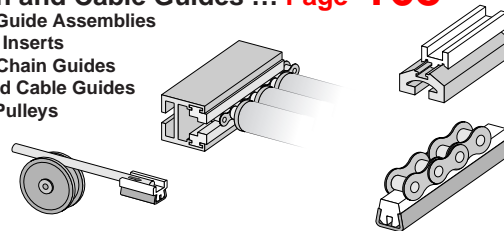
### Sprockets ... Page 166

- Split Sprockets
- Idler Wheels



### Chain and Cable Guides ... Page 168

- Chain Guide Assemblies
- UHMW Inserts
- Roller Chain Guides
- Belt and Cable Guides
- Cable Pulleys



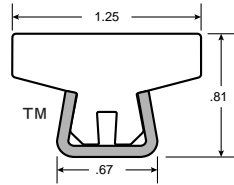
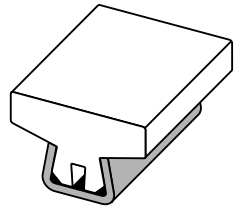
## Conveyor Wear Bed

### Chain Guides and Wear Beds

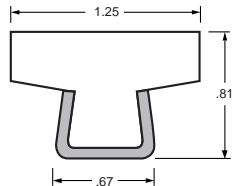
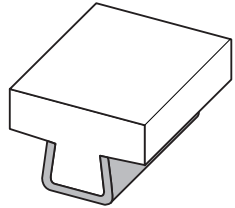
Valu Guide rail can be used as a guide or wear strip for wide metal or plastic belting and slat top chain. These rail shapes are also shown with conveyor guide rail on [page 10-13](#).



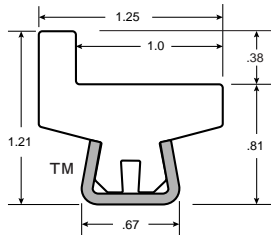
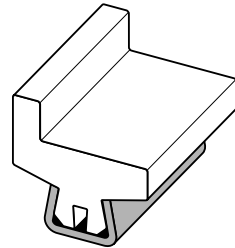
**T-1.25**



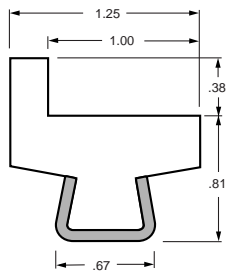
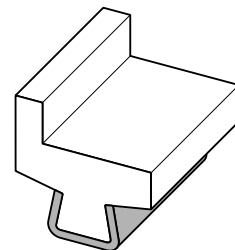
**TS-1.25**



**LT**



**LTS**



### Natural White UHMW

**Material:** UHMW Insert and stainless steel or galvanized steel sheath, 14 gauge.

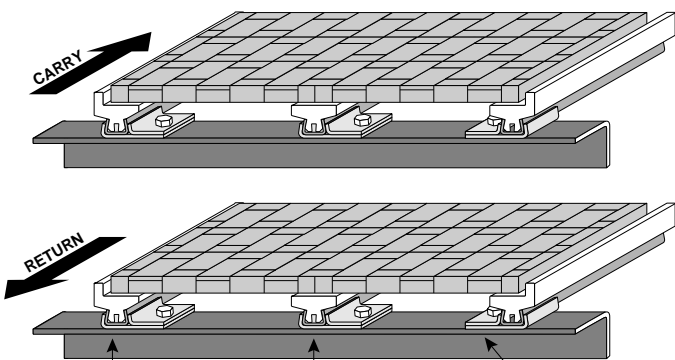
Stainless	Galvanized	Length* (ft.)
VG-SST-1.25-8	VG-GST-1.25-8	8
VG-SST-1.25-10	VG-GST-1.25-10	10
VG-SST-1.25-12	VG-GST-1.25-12	12
VG-SST-1.25-20	VG-GST-1.25-20	20

VG-SSTS-1.25-8		8
VG-SSTS-1.25-10		10
VG-SSTS-1.25-12		12
VG-SSTS-1.25-20		20

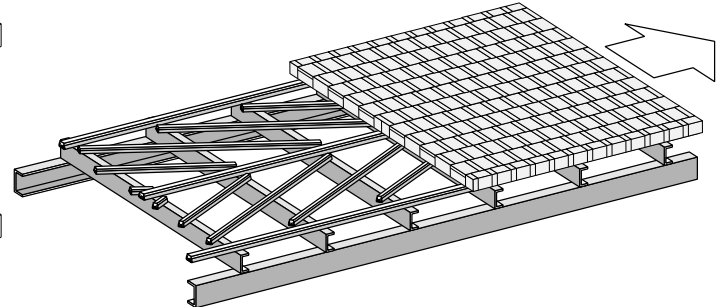
VG-SSLT-1.0x.38-8	VG-GSLT-1.0x.38-8	8
VG-SSLT-1.0x.38-10	VG-GSLT-1.0x.38-10	10
VG-SSLT-1.0x.38-12	VG-GSLT-1.0x.38-12	12
VG-SSLT-1.0x.38-20	VG-GSLT-1.0x.38-20	20

VG-SSLTS-1.0x.38-8		8
VG-SSLTS-1.0x.38-10		10
VG-SSLTS-1.0x.38-12		12
VG-SSLTS-1.0x.38-20		20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order. UV stabilized UHMW and 316 stainless steel are available on a special order basis.



VG-SSLT-1.0x.38- rail VG-SST-1.25- rail VG-012-01 single rail clamps



For applications such as high conveyor speeds, heavy loads or abrasive conditions, selected Tee rails are available in **Nylatron** material. **Nylatron** is a harder, stronger, higher temperature rated (up to 200°F) material for harsh conveying conditions. See [page 20](#).



See [page 21](#) for details on wear bed grid construction.

## Conveyor Wear Bed with Premium UHMW Materials

### Gray Nolu-S

Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.25-NS-8		
VG-SST-1.25-NS-10		
VG-SST-1.25-NS-12		
VG-SST-1.25-NS-20		

VG-SSTS-1.25-NS-8		
VG-SSTS-1.25-NS-10		
VG-SSTS-1.25-NS-12		
VG-SSTS-1.25-NS-20		

VG-SSLT-1.0x.38-NS-8		
VG-SSLT-1.0x.38-NS-10		
VG-SSLT-1.0x.38-NS-12		
VG-SSLT-1.0x.38-NS-20		

VG-SSLTS-1.0x.38-NS-8		
VG-SSLTS-1.0x.38-NS-10		
VG-SSLTS-1.0x.38-NS-12		
VG-SSLTS-1.0x.38-NS-20		

### Black

Black UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.25-B-8		
VG-SST-1.25-B-10		
VG-SST-1.25-B-12		
VG-SST-1.25-B-20		

VG-SSTS-1.25-B-8		
VG-SSTS-1.25-B-10		
VG-SSTS-1.25-B-12		
VG-SSTS-1.25-B-20		

VG-SSLT-1.0x.38-B-8		
VG-SSLT-1.0x.38-B-10		
VG-SSLT-1.0x.38-B-12		
VG-SSLT-1.0x.38-B-20		

VG-SSLTS-1.0x.38-B-8		
VG-SSLTS-1.0x.38-B-10		
VG-SSLTS-1.0x.38-B-12		
VG-SSLTS-1.0x.38-B-20		

### Static Dissipating

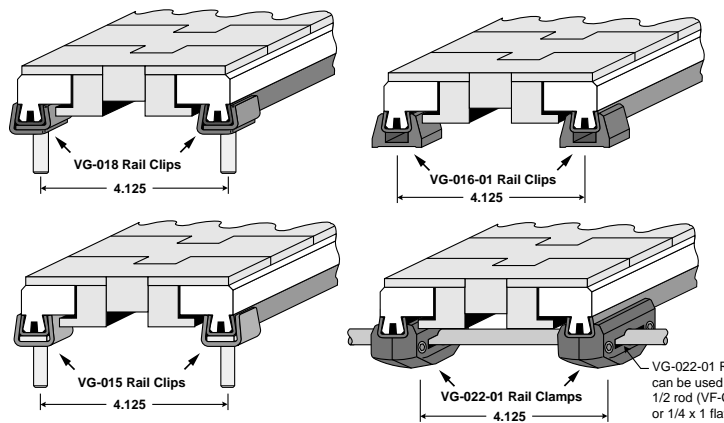
Static dissipating UHMW insert and stainless steel sheath, 14 gauge.

	Length* (ft.)
VG-SST-1.25-SD-8	8
VG-SST-1.25-SD-10	10
VG-SST-1.25-SD-12	12
VG-SST-1.25-SD-20	20

VG-SSTS-1.25-SD-8	8
VG-SSTS-1.25-SD-10	10
VG-SSTS-1.25-SD-12	12
VG-SSTS-1.25-SD-20	20

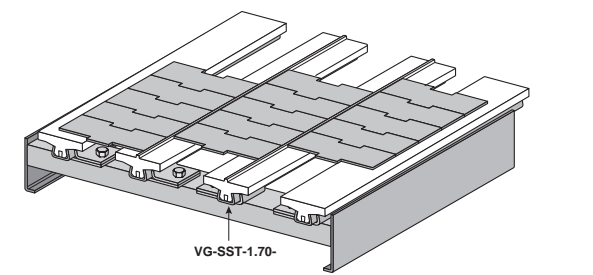
VG-SSLT-1.0x.38-SD-8	8
VG-SSLT-1.0x.38-SD-10	10
VG-SSLT-1.0x.38-SD-12	12
VG-SSLT-1.0x.38-SD-20	20

VG-SSLTS-1.0x.38-SD-8	8
VG-SSLTS-1.0x.38-SD-10	10
VG-SSLTS-1.0x.38-SD-12	12
VG-SSLTS-1.0x.38-SD-20	20



Tab Chain Guide mounting options

**Important Note:** When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.



VG-SST-1.70

## Conveyor Wear Bed

Valu Guide Tee Guide Rail can be used as a wear strip for wide metal or plastic belting and slat top chain. These rail shapes are also shown with conveyor guide rail on [page 10-13](#).



### Natural White UHMW

**Material:** UHMW Insert and stainless steel or galvanized steel sheath, 14 gauge.

Stainless	Galvanized	Length* (ft.)
VG-SST-1.60-8	VG-GST-1.60-8	8
VG-SST-1.60-10	VG-GST-1.60-10	10
VG-SST-1.60-12	VG-GST-1.60-12	12
VG-SST-1.60-20	VG-GST-1.60-20	20

VG-SST-1.70-8	VG-GST-1.70-8	8
VG-SST-1.70-10	VG-GST-1.70-10	10
VG-SST-1.70-12	VG-GST-1.70-12	12
VG-SST-1.70-20	VG-GST-1.70-20	20

VG-SST-2.25-8	VG-GST-2.25-8	8
VG-SST-2.25-10	VG-GST-2.25-10	10
VG-SST-2.25-12	VG-GST-2.25-12	12
VG-SST-2.25-20	VG-GST-2.25-20	20

VG-SSTG-02-8	VG-GSTG-02-8	8
VG-SSTG-02-10	VG-GSTG-02-10	10
VG-SSTG-02-12	VG-GSTG-02-12	12
VG-SSTG-02-20	VG-GSTG-02-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order. UV stabilized UHMW and 316 stainless steel are available on a special order basis.

See [page 21](#) for details on wear bed grid construction.

## Conveyor Wear Bed with Premium UHMW Materials



### Gray Nolu-S

Self lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.60-NS-8
VG-SST-1.60-NS-10
VG-SST-1.60-NS-12
VG-SST-1.60-NS-20

VG-SST-1.70-NS-8
VG-SST-1.70-NS-10
VG-SST-1.70-NS-12
VG-SST-1.70-NS-20

VG-SST-2.25-NS-8
VG-SST-2.25-NS-10
VG-SST-2.25-NS-12
VG-SST-2.25-NS-20

VG-SSTG-02-NS-8
VG-SSTG-02-NS-10
VG-SSTG-02-NS-12
VG-SSTG-02-NS-20



### Black

Black UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.60-B-8
VG-SST-1.60-B-10
VG-SST-1.60-B-12
VG-SST-1.60-B-20

VG-SST-1.70-B-8
VG-SST-1.70-B-10
VG-SST-1.70-B-12
VG-SST-1.70-B-20

VG-SST-2.25-B-8
VG-SST-2.25-B-10
VG-SST-2.25-B-12
VG-SST-2.25-B-20

VG-SSTG-02-B-8
VG-SSTG-02-B-10
VG-SSTG-02-B-12
VG-SSTG-02-B-20



### Static Dissipating

Static dissipating UHMW insert and stainless steel sheath, 14 gauge.

VG-SST-1.60-SD-8
VG-SST-1.60-SD-10
VG-SST-1.60-SD-12
VG-SST-1.60-SD-20

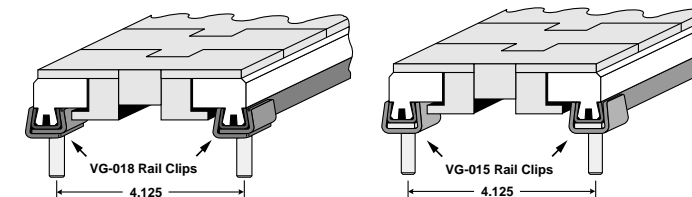
VG-SST-1.70-SD-8
VG-SST-1.70-SD-10
VG-SST-1.70-SD-12
VG-SST-1.70-SD-20

VG-SST-2.25-SD-8
VG-SST-2.25-SD-10
VG-SST-2.25-SD-12
VG-SST-2.25-SD-20

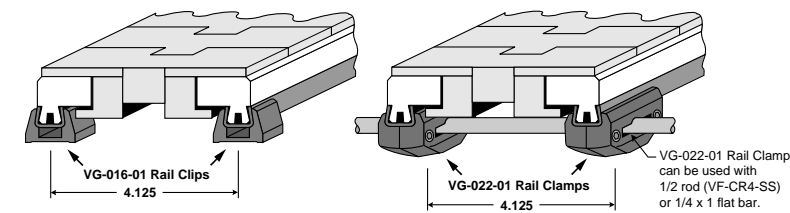
VG-SSTG-02-SD-8
VG-SSTG-02-SD-10
VG-SSTG-02-SD-12
VG-SSTG-02-SD-20

now available in **NYLATRON®**  
Nylatron is a trademark of Polymer Corporation.

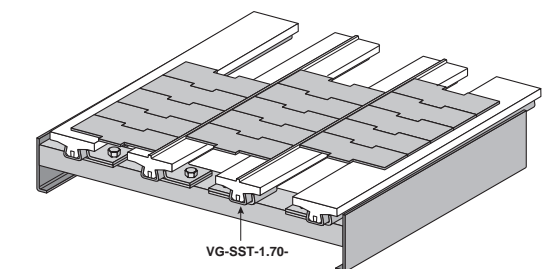
For applications such as high conveyor speeds, heavy loads or abrasive conditions, selected Tee rails are available in **Nylatron** material. Nylatron is a harder, stronger, higher temperature rated (up to 200°F) material for harsh conveying conditions. See [page 20](#).



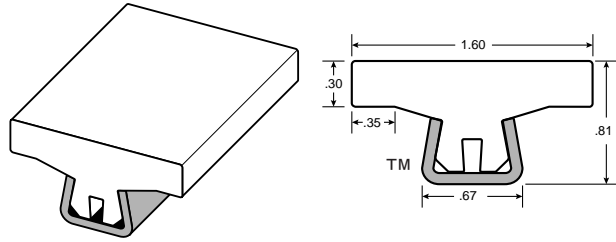
Tab Chain Guide mounting options



VG-022-01 Rail Clips can be used with 1/2 rod (VF-CR4-SS) or 1/4 x 1 flat bar.

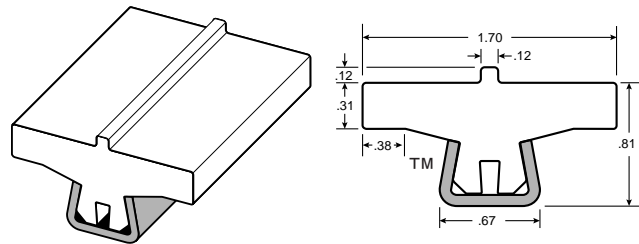


### T-1.60

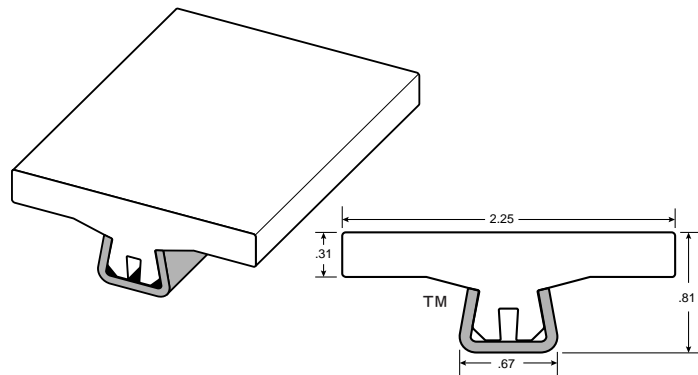


### T-1.70

Ribbed wide Tee rail used as wear strip and support assembly for multi-lane 3/4 in. slat top chain.

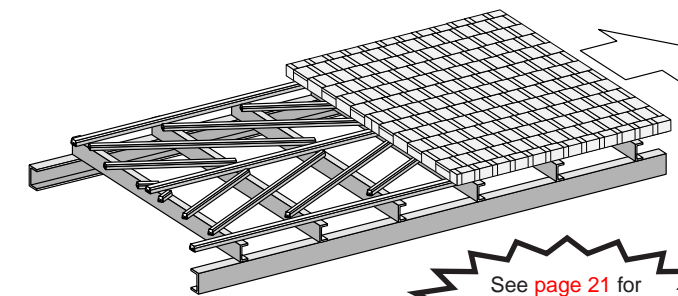
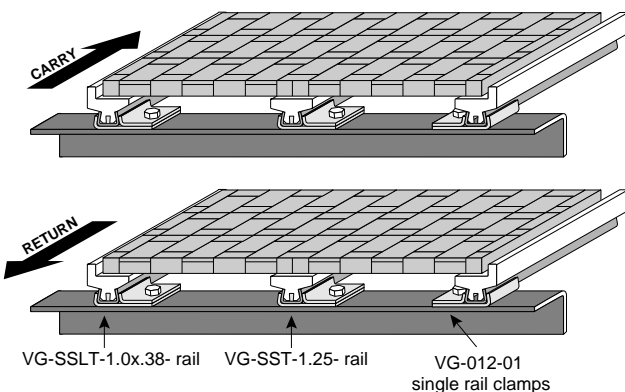
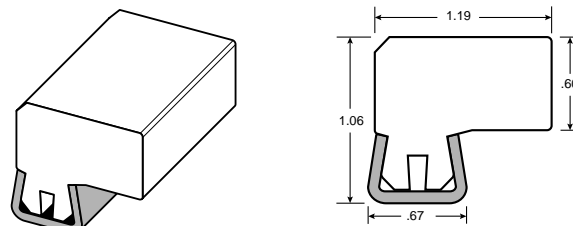


### T-2.25



### TG

**Tab Chain Guide**  
Economical alternative to other chain guiding systems. For use with 882-4-1/2 and 882-LBP-3-3/4 style chains.

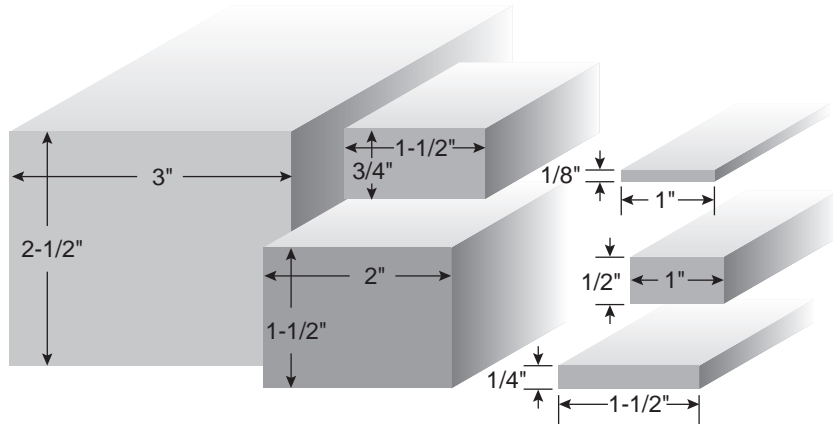
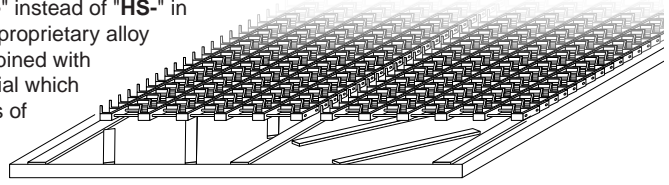


# UHMW Wear Strips



Rectangular wear strips are standard UHMW and Nolu-S, both of which are FDA and USDA accepted materials. Thicknesses range from 1/8" to 3" and widths from 1/2" to 6". The length is 10 feet. Other lengths are available upon request. Strip thickness tolerance is ±10% of the sheet and the width tolerance is ±1/64, with special tolerances available upon request. Rectangular wear strips can be fastened utilizing nylon drive rivets (VG-750). Applications for rectangular wear strips include: chain guide, wear strips, flat top chain contact guide, and dead plates.

The part number tables represent natural white UHMW, standard thicknesses, and 10 foot lengths. Other sizes or lengths can be accommodated on a custom basis. For Nolu-S material, specify "SS-" instead of "HS-" in the part number. Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.



**Available in 10ft. lengths**

Conveyor Chain Guides & Wear Strips

1/8"		3/16"		1/4"		5/16"		3/8"		1/2"	
Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width
HS-0208-10	1/2	HS-0308-10	1/2	HS-0408-10	1/2	HS-0508-10	1/2	HS-0608-10	1/2	HS-0808-10	1/2
HS-0212-10	3/4	HS-0312-10	3/4	HS-0412-10	3/4	HS-0512-10	3/4	HS-0612-10	3/4	HS-0812-10	3/4
HS-0216-10	1	HS-0316-10	1	HS-0416-10	1	HS-0516-10	1	HS-0616-10	1	HS-0816-10	1
HS-0220-10	1-1/4	HS-0320-10	1-1/4	HS-0420-10	1-1/4	HS-0520-10	1-1/4	HS-0620-10	1-1/4	HS-0820-10	1-1/4
HS-0224-10	1-1/2	HS-0324-10	1-1/2	HS-0424-10	1-1/2	HS-0524-10	1-1/2	HS-0624-10	1-1/2	HS-0824-10	1-1/2
HS-0228-10	1-3/4	HS-0328-10	1-3/4	HS-0428-10	1-3/4	HS-0528-10	1-3/4	HS-0628-10	1-3/4	HS-0828-10	1-3/4
HS-0232-10	2	HS-0332-10	2	HS-0432-10	2	HS-0532-10	2	HS-0632-10	2	HS-0832-10	2
HS-0240-10	2-1/2	HS-0340-10	2-1/2	HS-0440-10	2-1/2	HS-0540-10	2-1/2	HS-0640-10	2-1/2	HS-0840-10	2-1/2
HS-0248-10	3	HS-0348-10	3	HS-0448-10	3	HS-0548-10	3	HS-0648-10	3	HS-0848-10	3
HS-0264-10	4	HS-0364-10	4	HS-0464-10	4	HS-0564-10	4	HS-0664-10	4	HS-0864-10	4
5/8"		3/4"		7/8"		1"		1-1/4"		1-1/2"	
Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width
HS-1012-10	3/4	HS-1212-10	3/4	HS-1416-10	1	HS-1616-10	1	HS-2020-10	1-1/4	HS-2424-10	1-1/2
HS-1016-10	1	HS-1216-10	1	HS-1420-10	1-1/4	HS-1620-10	1-1/4	HS-2024-10	1-1/2	HS-2428-10	1-3/4
HS-1020-10	1-1/4	HS-1220-10	1-1/4	HS-1424-10	1-1/2	HS-1624-10	1-1/2	HS-2028-10	1-3/4	HS-2432-10	2
HS-1024-10	1-1/2	HS-1224-10	1-1/2	HS-1428-10	1-3/4	HS-1628-10	1-3/4	HS-2032-10	2	HS-2440-10	2-1/2
HS-1028-10	1-3/4	HS-1228-10	1-3/4	HS-1432-10	2	HS-1632-10	2	HS-2040-10	2-1/2	HS-2448-10	3
HS-1032-10	2	HS-1232-10	2	HS-1440-10	2-1/2	HS-1640-10	2-1/2	HS-2048-10	3	HS-2456-10	3-1/2
HS-1040-10	2-1/2	HS-1240-10	2-1/2	HS-1448-10	3	HS-1648-10	3	HS-2056-10	3-1/2	HS-2464-10	4
HS-1048-10	3	HS-1248-10	3	HS-1456-10	3-1/2	HS-1656-10	3-1/2	HS-2064-10	4	HS-2480-10	5
HS-1056-10	3-1/2	HS-1256-10	3-1/2	HS-1464-10	4	HS-1664-10	4	HS-2080-10	5	HS-2496-10	6
HS-1064-10	4	HS-1264-10	4	HS-1480-10	5	HS-1680-10	5	HS-2096-10	6		
						HS-1696-10	6				
1-3/4"		2"		2-1/4"		2-1/2"		3"			
Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width	Part Number	Width		
HS-2832-10	2	HS-3232-10	2	HS-3636-10	2-1/4	HS-4040-10	2-1/2	HS-4848-10	3		
HS-2840-10	2-1/2	HS-3240-10	2-1/2	HS-3640-10	2-1/2	HS-4048-10	3	HS-4856-10	3-1/2		
HS-2848-10	3	HS-3248-10	3	HS-3648-10	3	HS-4056-10	3-1/2	HS-4864-10	4		
HS-2856-10	3-1/2	HS-3256-10	3-1/2	HS-3656-10	3-1/2	HS-4064-10	4	HS-4880-10	5		
HS-2864-10	4	HS-3264-10	4	HS-3664-10	4	HS-4080-10	5	HS-4896-10	6		
HS-2880-10	5	HS-3280-10	5	HS-3680-10	5	HS-4096-10	6				
HS-2896-10	6	HS-3296-10	6	HS-3696-10	6						

Wear strip with a thickness of 1/4 in. or less can be shipped coiled in cartons (UPS) or straight in tubes by truck.

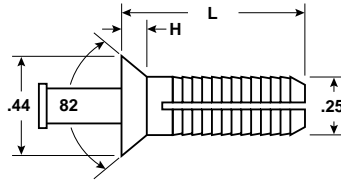




## 750

### Drive Rivet

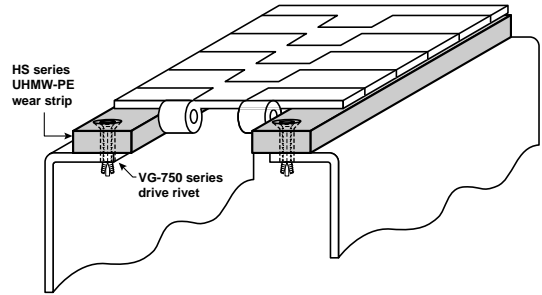
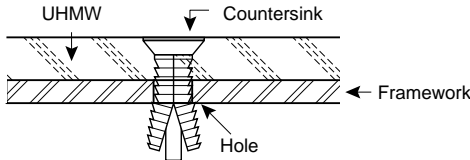
Used to attach wear strips to metal or plastic frames. Can be used for slotted holes with washer. Head can be mounted flush with thinner wear strips using standard countersink. Rivets wear at the same rate as wear strips, and will not cut into chains. Easily installed into .257 dia. (F drill), blind or thru hole. Max. continuous service temperature: 180° F. Bags of 100.



Material: Polyamide rivet. Acetal pin.

Part Number	L	H	Grip (min.)	Grip (max.)
VG-750-10	.75	.111	.188	.5
VG-750-20	1.0	.111	.25	.75
VG-750-30	1.5	.111	.375	1.25

Drive Rivets sold in bags of 100.



### Arguto-K Wear Strips

Arguto-K consists of a premium white maple wood impregnated with lubricants. The lubricants are permanently entrapped within the wood grain. Because of the permanent, self-lubricating quality of the wood and the hardness of the material, Arguto-K is an excellent choice for conveyor wear strips where there are heavy loads and high speeds.

Standard thicknesses and widths are listed in the charts below. **Standard length is 5'**



Available in 5ft. lengths

#### 1/4"

Part Number	Width
KS-0416-5	1
KS-0420-5	1-1/4
KS-0424-5	1-1/2

#### 1/2"

Part Number	Width
KS-0816-5	1
KS-0820-5	1-1/4
KS-0824-5	1-1/2

#### 5/8"

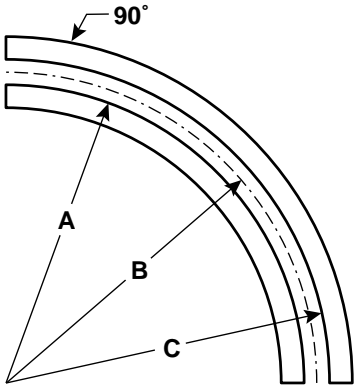
Part Number	Width
KS-1024-5	1-1/2

Arguto-K may be mounted on any flat supporting surface such as angle or channel shapes. Flat head screws or bolts, countersunk below the wear strip surface, are usually used as fasteners. Arguto-K is completely impregnated with lubricant and can easily operate under wet or dry conditions. However, for wet applications, it is recommended that strips with a maximum width of 2" be used.

For complete details on Arguto-K specifications, speed and load limits, operating conditions, installation procedures, and additional engineering information, contact Solus Customer Service at 1-866-765-8744.

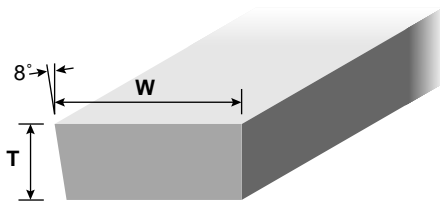
# Two Piece Curved Wear Strip

Material: White UHMW (See below for other available materials.)

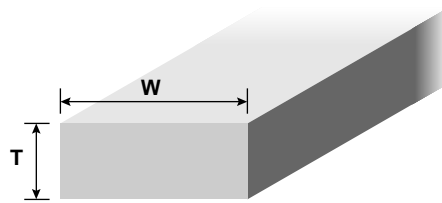


Bevel	A	B	C	Width	Thickness	Used With Chain#	Manufacturer Recommended Chain Clearance	Chain Width	Rivet#
VG-710-U18B3	17 <sup>3</sup> / <sub>16</sub>	18	18 <sup>13</sup> / <sub>16</sub>	1	3/8	879, 880, 881	1-5/8	K 3 <sup>1</sup> / <sub>4</sub>	VG-750-1
VG-710-U24B3	23 <sup>3</sup> / <sub>16</sub>	24	24 <sup>13</sup> / <sub>16</sub>	1	3/8		1-5/8	ALL	VG-750-1
VG-710-U30B3	29 <sup>3</sup> / <sub>16</sub>	30	30 <sup>13</sup> / <sub>16</sub>	1 1/2	3/8		1-5/8	ALL	VG-750-1
Rectangle									
VG-710-U18R3	17 <sup>1</sup> / <sub>8</sub>	18	18 <sup>7</sup> / <sub>8</sub>	1 1/2	3/8	879, 880, 881 Tab	1-3/4	K 3 <sup>1</sup> / <sub>4</sub>	VG-750-1
VG-710-U24R3	23 <sup>1</sup> / <sub>8</sub>	24	24 <sup>7</sup> / <sub>8</sub>	1 1/2	3/8		1-3/4	ALL	VG-750-1
VG-710-U30R3	29 <sup>1</sup> / <sub>8</sub>	30	30 <sup>7</sup> / <sub>8</sub>	1 1/2	3/8		1-3/4	ALL	VG-750-1
VG-710-U24R5	22 <sup>55</sup> / <sub>64</sub>	24	25 <sup>9</sup> / <sub>64</sub>	1 1/2	5/8	882 Tab, RR 882	2-9/32	ALL	VG-750-2
VG-710-U30R5	28 <sup>55</sup> / <sub>64</sub>	30	31 <sup>9</sup> / <sub>64</sub>	1 1/2	5/8		2-9/32	ALL	VG-750-2
VG-710-U18R6	17 <sup>5</sup> / <sub>16</sub>	18	18 <sup>11</sup> / <sub>16</sub>	1 1/2	3/4	1873, 1874, 3873, 4873, 4874	1-3/8		VG-750-3
VG-710-U24R6	23 <sup>5</sup> / <sub>16</sub>	24	24 <sup>11</sup> / <sub>16</sub>	1 1/2	3/4		1-3/8	ALL	VG-750-3
VG-710-U30R6	29 <sup>5</sup> / <sub>16</sub>	30	30 <sup>11</sup> / <sub>16</sub>	1 1/2	3/4		1-3/8	ALL	VG-750-3

## Custom Track Fax Form



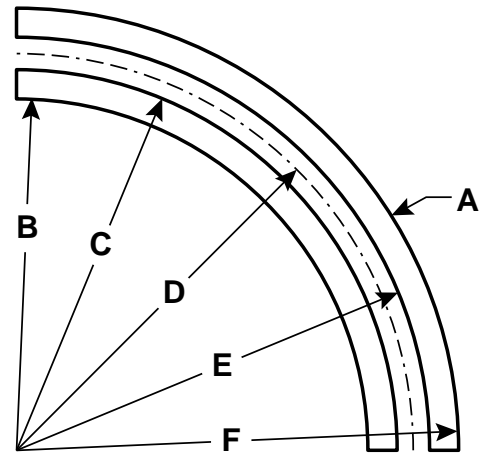
Bevel



Tab

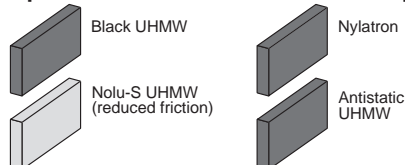
To order custom wear strips, specify the following things:

1. Material \_\_\_\_\_
2. Thickness of one curve (T) \_\_\_\_\_
3. Width of one curve (W) \_\_\_\_\_
4. Angle of curve (A) \_\_\_\_\_
6. Inside radius of inside curve (B) \_\_\_\_\_
7. Outside radius of inside curve (C) \_\_\_\_\_
5. Centerline radius (D) \_\_\_\_\_
8. Inside radius of outside curve (E) \_\_\_\_\_
9. Outside radius of outside curve (F) \_\_\_\_\_



Fill out the information in the blanks above and fax to Solus Customer Service toll free 866-447-6587.

### Options available for most wear strips:

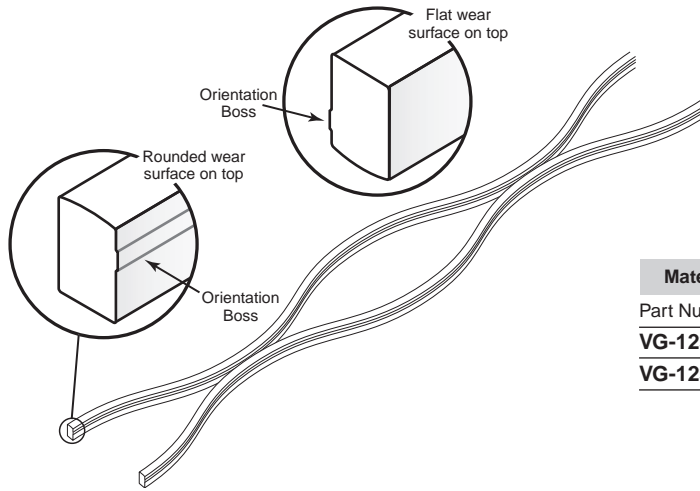
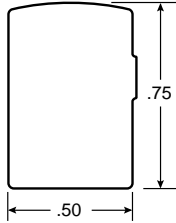




## 1234-SERP

### Serpentine Chain Return

Multi-purpose serpentine chain return profile. Radiused top is ideal for minimal chain contact and reduced friction. If full contact is required, simply invert the profile and use the flat surface.



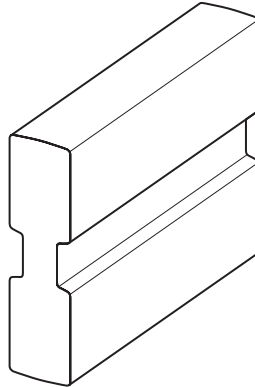
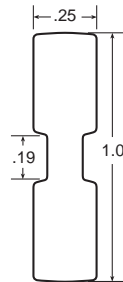
**Material:** UHMW.

Part Number	Length (ft.)
VG-1234-SERP-10.5	10.5
VG-1234-SERP-21	21

## 25100

### Serpentine Chain Return

Multi-purpose serpentine chain return profile. Radiused top is ideal for minimal chain contact and reduced friction.



**Material:** UHMW.

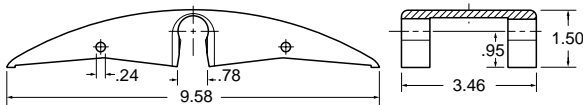
Part Number	Length (ft.)
VG-PCR-25100-21	21
VG-PCR-25100-100	100



## 650

### Chain Return Shoe

Radiused wear shoe for guiding chain or belting into return way. Single or multiple strand capabilities. Black polyamide shoe is designed for use with steel belts and chains. Gray polyethylene shoe is designed for use with plastic belts and chains.

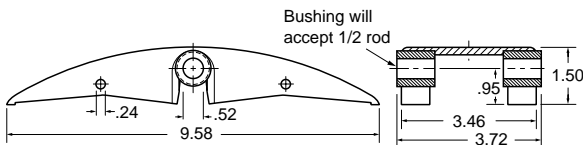


VG-650-A



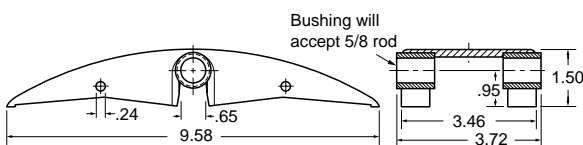
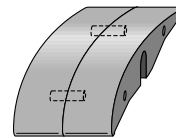
**Material:** Black polyamide or gray polyethylene.

Part Number	Color/Material	Ø Bushing
VG-650-A	black/PA	None
VG-650-12	black/PA	1/2
VG-650-58	black/PA	5/8
VG-650PE-A	gray/PE	None
VG-650PE-12	gray/PE	1/2
VG-650PE-58	gray/PE	5/8

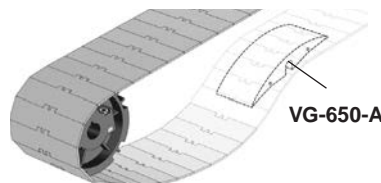


VG-650-12

Chain Return Shoes can be pinned together or gang mounted on common shaft for use with wide metal belts.



VG-650-58



For new or retrofitting existing chain returns, consider the Valu Flex serpentine chain return system. It is a more cost effective, maintenance free and quieter alternative to roller returns. See the Valu Flex section on [page 157](#) for more information.

# Modular Conveyor Belt Side Guides

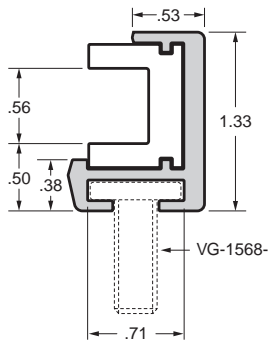
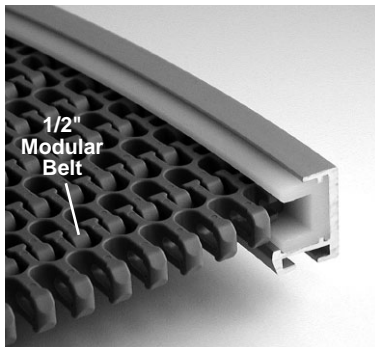
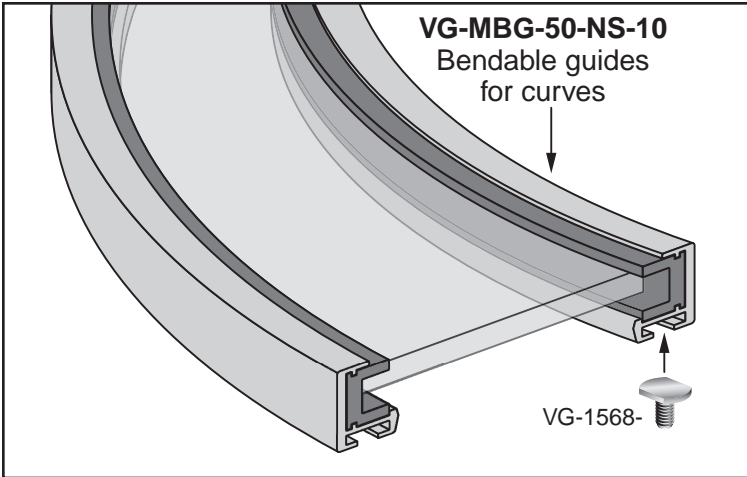
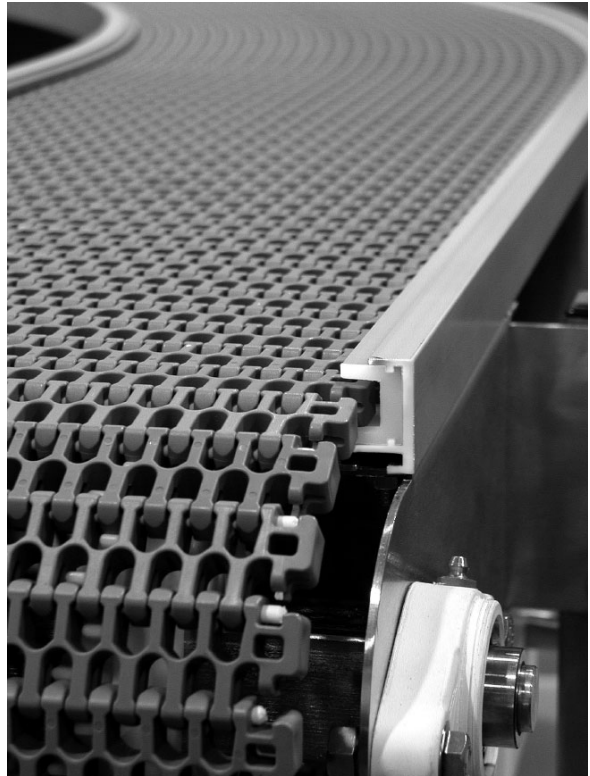
## MBG

**NEW**

Patent Pending

### Modular Conveyor Belt Side Guides

Aluminum and UHMW guide rail for use in guiding the sides of selected plastic modular conveyor belts through turns. Ultra-low friction. Top and bottom capture of belt. Easily formed into curves with the Valu Guide Rail Bending Machine. Available in 10 ft. lengths. Minimum radius 18" (inside edge). Replaceable UHMW strips.



**Material:** Self-lubricating Nolu-S or UHMW insert and aluminum guides.

Part Number	Material	Length (ft.)
<b>VG-MBG-50-NS-10</b>	<b>Nolu-S</b>	<b>10</b>
<b>VG-MBG-50-10</b>	<b>UHMW</b>	<b>10</b>
Insert Replacements	Material	Length (ft.)
<b>VG-PMBG-50-NS-10</b>	<b>Nolu-S</b>	<b>10</b>
<b>VG-PMBG-50-10</b>	<b>UHMW</b>	<b>10</b>

Conveyor Chain Guides & Wear Strips

## RS-13

Roller Set Part Number

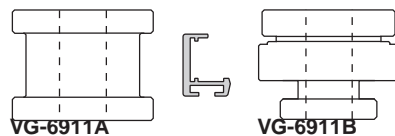
**VG-RS-13**

Included in set: **VG-6911A** (2 ea.)

**VG-6911B** (2 ea.)



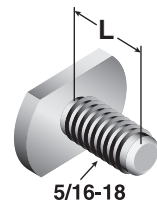
The VG-690 Bending Machine, page 26.



VG-MBG- Conveyor belt guide Minimum radius: 18 inches	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
	VG-6911B	VG-6911A	VG-6911A	VG-6911B

## 1568

T-head bolts



Part Number	L
<b>VG-1568-01</b>	<b>.64</b>
<b>VG-1568-02</b>	<b>.76</b>
<b>VG-1568-03</b>	<b>1.01</b>
<b>VG-1568-04</b>	<b>1.26</b>

# Wear Strip

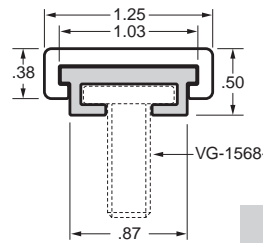
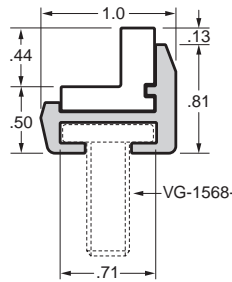
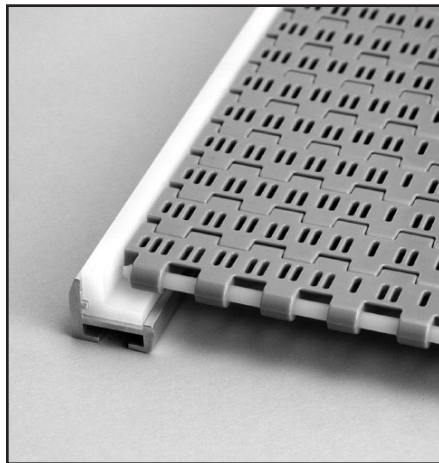
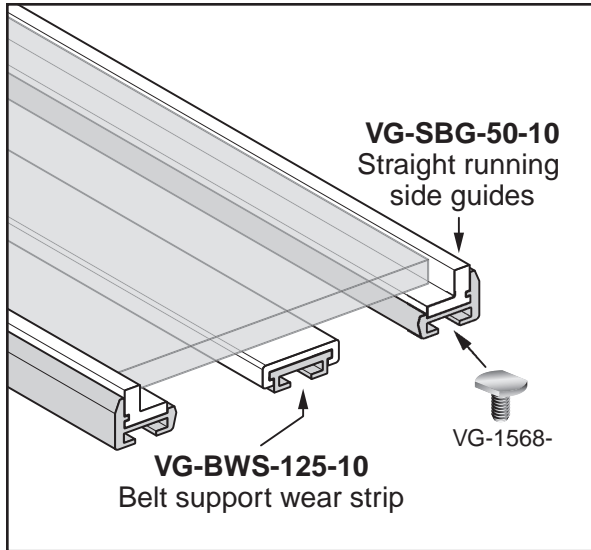
**SBG**

**NEW**



## Conveyor Belt Side Guides and Wear Strips

Aluminum and UHMW guide rail for use in guiding the sides and supporting the middle of modular conveyor belts. Ultra-low friction bottom and side support of belt. Easily formed into curves with the Valu Guide Rail Bending Machine. Available in 10 ft. lengths. Minimum radius 18" (inside edge). Replaceable UHMW strips.



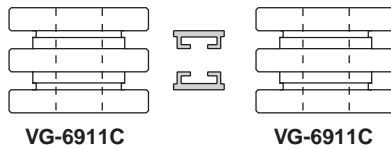
**Material:** UHMW insert and aluminum guides.

Part Number	Part Number	Length (ft.)
<b>VG-SBG-50-10</b>	<b>VG-BWS-125-10</b>	<b>10</b>
UHMW Insert Replacement	UHMW Insert Replacement	Length (ft.)
<b>VG-PSBG-50-10</b>	<b>VG-PBWS-125-10</b>	<b>10</b>

Conveyor Chain Guides & Wear Strips

## RS-14

Roller Set Part Number  
**VG-RS-14**  
Included in set: **VG-6911C** (3 ea.)

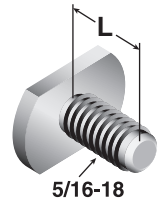


VG-BWS- Conveyor belt support Minimum radius: 18 inches	Outside Curves	Inside Curves
	VG-6911C	

For details on the VG-690 Bending Machine see [page 26](#).

## 1568

**T-head bolts**



Part Number	L
<b>VG-1568-01</b>	<b>.64</b>
<b>VG-1568-02</b>	<b>.76</b>
<b>VG-1568-03</b>	<b>1.01</b>
<b>VG-1568-04</b>	<b>1.26</b>



## SSUT

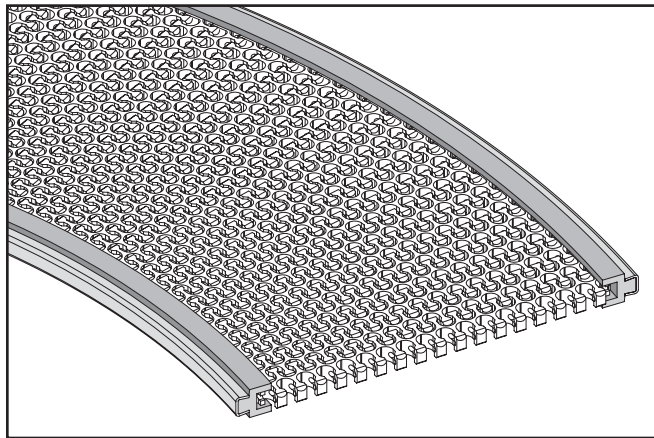


### Conveyor Belt Side Guides

Guide rail for use in guiding the sides of selected conveyor belts. Ultra-low friction. Easily formed into corners with the Valu Guide Rail Bending Machine.

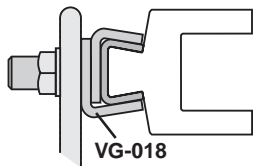
**Material:** Self-lubricating Nolu-S UHMW insert and stainless steel sheath, 14 gauge.

Part Number	Belt Thickness	Length (ft.)
<b>VG-SSUT-1.00-S-10</b>	<b>1/2"</b>	<b>10</b>
<b>VG-SSUT-1.30-S-10</b>	<b>3/4"</b>	<b>10</b>

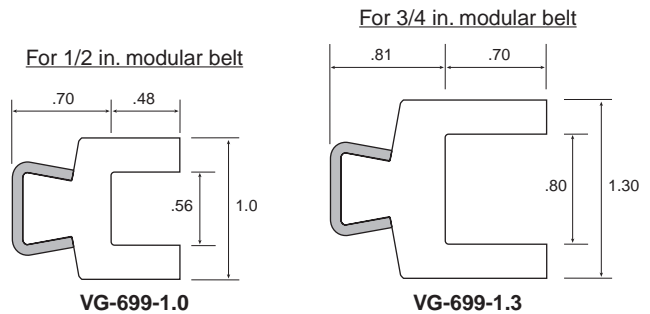


Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.

Conveyor Chain Guides & Wear Strips



VG-SSUT Guide Rail can be mounted with Valu Guide rail clamps.



## 699

### Bending Machine Rollers

VG-SSUT rail can be quickly and easily formed to a desired radius without distortion to the rail or damage to the guiding surface. The VG-690 Bending Machine (page 26) and the accompanying rollers can form inside or outside curves that are smooth and professional.



The VG-690 Bending Machine, page 26.

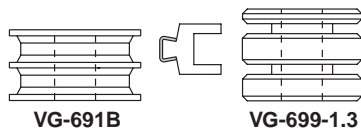
## RS-11

Roller Set Part Number

**VG-RS-11**

Included in set: **VG-699-1.3** (2 ea.)

*VG-691B set included with bender.*



VG-SSUT-1.30 Conveyor belt side guide Minimum radius: 18 inches	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
	VG-699-1.3	VG-691B	VG-691B	VG-699-1.3

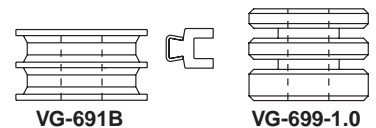
## RS-12

Roller Set Part Number

**VG-RS-12**

Included in set: **VG-699-1.0** (2 ea.)

*VG-691B set included with bender.*



VG-SSUT-1.00 Conveyor belt side guide Minimum radius: 18 inches	Outside Curves		Inside Curves	
	1 roller	2 rollers	1 roller	2 rollers
	VG-699-1.0	VG-691B	VG-691B	VG-699-1.0



# The Simple Solution for Tab and Bevel Style Conveyor Chains!



ValuTrac™ straight and corner modules are designed to guide side flexing steel and plastic conveyor chains. ValuTrac has proven to be a cost effective improvement over fabricated straight and corner wear strips. ValuTrac is manufactured with state of the art computer controlled machinery, assuring parallel module sides and a smooth uniform chain guiding surface. When it is necessary to modify or replace a guideway, ValuTrac's modular design will make the job easier. ValuTrac's quality and consistency assure conveyor chain guiding that is reliable and long lasting.



## ✓ Cost Savings

The modular design of ValuTrac™ significantly reduces fabrication time. Fewer parts require fewer fasteners, fewer connections and fewer supports. The result is an overall time and cost savings.

## ✓ Selection of Materials

Our standard series ValuTrac is precision machined from A4 black, a proprietary blend of UHMW resins, or Nolu-S or Nolu-SR, a grey, self lubricating UHMW blend. These materials maintain excellent chemical and corrosion resistance, while providing low friction,

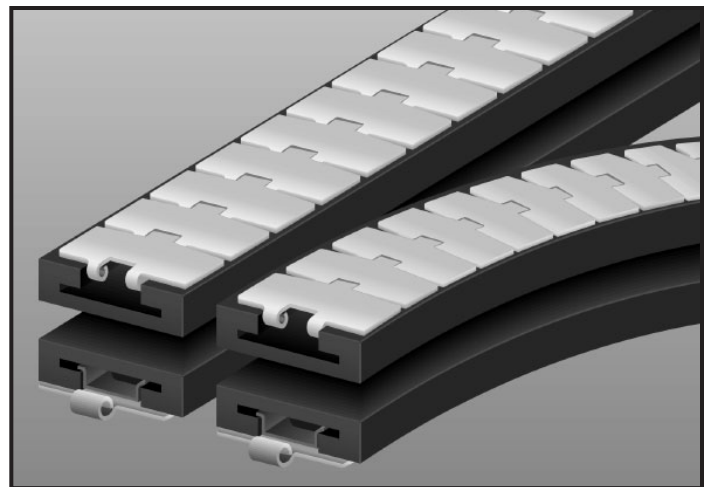
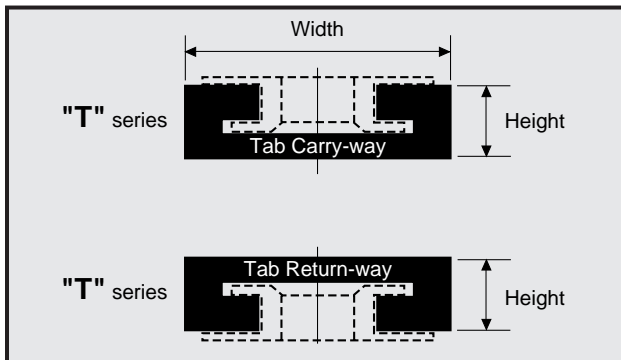
	Proprietary A4 UHMW	Nylatron	Nolu-S
Stainless steel chain static friction	0.24 + 0.03	NA	0.22 + 0.01
Stainless steel chain dynamic friction	0.18 + 0.01	.20	0.15 + 0.01
Acetal chain static friction	0.18 + 0.01	NA	0.15 + 0.01
Acetal chain dynamic friction	0.17 + 0.01	.25	0.14 + 0.01
Maximum, continuous operating temperature	160/180°F	220°F	160°F

Coefficients of Friction and Operating Temperatures

superior rigidity, and resistance to wear. ValuTrac is also available in Nylatron® for applications requiring greater wear resistance, surface hardness, and lubricity due to adverse environmental conditions.

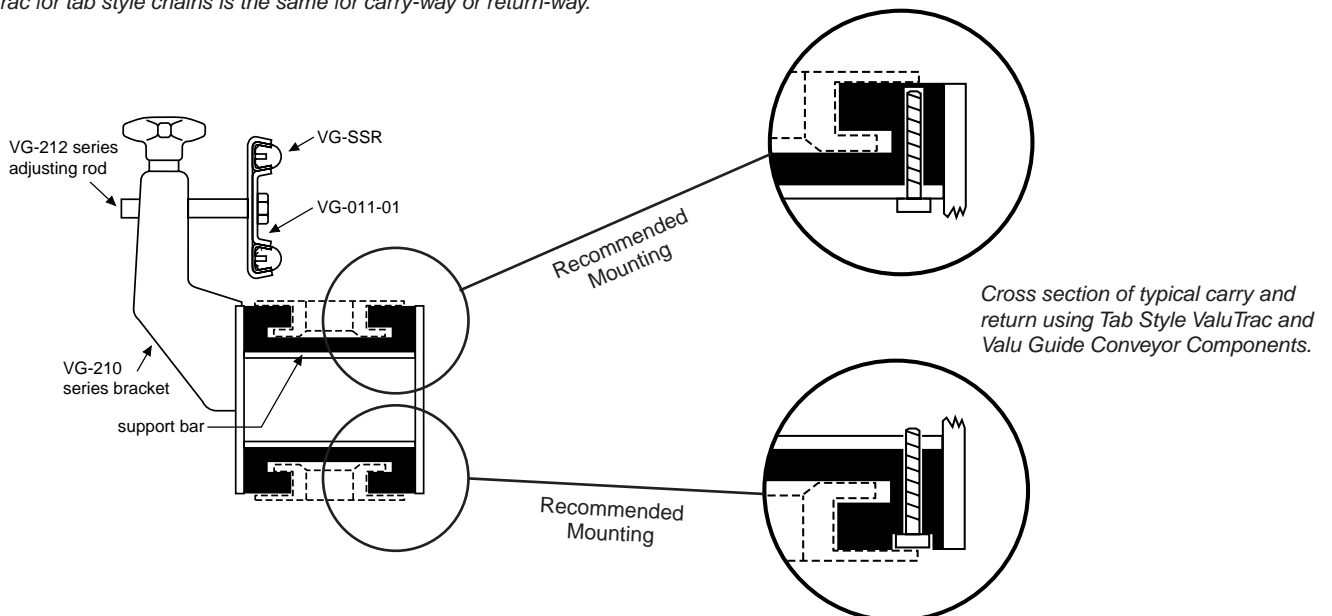


## Tab Style



Conveyor Chain Guides & Wear Strips

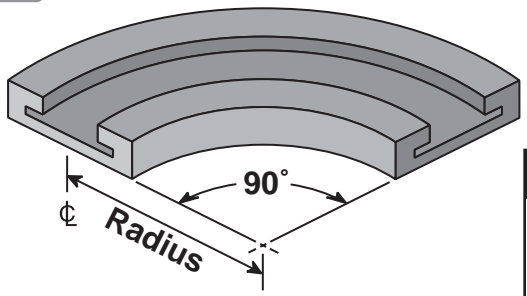
ValuTrac for tab style chains is the same for carry-way or return-way.



Cross section of typical carry and return using Tab Style ValuTrac and Valu Guide Conveyor Components.



### Curves for Tab Chain



ValuTrac™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.

A4 BLACK	NOLU-S	NOLU-SR	NYLATRON
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.	Nolu-SR combines the Nolu-S features with a much harder, longer wearing composition which can be used in some high-speed/high-load applications previously requiring Nylatron®.	Nylatron® is an extremely hard plastic which has characteristics allowing it to be used in high-speed/high-load applications or those involving abrasives.

Chain Number	Track Width	Track Height	Carry or Return	Radius	A4 Black Part Number	Nolu-S Part Number	Nolu-SR Part Number	Nylatron Part Number			
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.75	1		18	VT-980-T-18-0325	VT-S-980-T-18-0325	VT-SR-980-T-18-0325	VT-N-980-T-18-0325			
24				VT-980-T-24-0325	VT-S-980-T-24-0325	VT-SR-980-T-24-0325	VT-N-980-T-24-0325				
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2				5	1		24	VT-980-T-24-0450	VT-S-980-T-24-0450	VT-SR-980-T-24-0450	VT-N-980-T-24-0450
881TAB-K7-1/2	8	1					24	VT-981-T-24-0750	VT-S-981-T-24-0750	VT-SR-981-T-24-0750	VT-N-981-T-24-0750
* 882TAB-K4-1/2	5	1.188					24	VT-982-T-24-0450	VT-S-982-T-24-0450	VT-SR-982-T-24-0450	VT-N-982-T-24-0450
882TAB-K7-1/2	8	1.188		24	VT-982-T-24-0750	VT-S-982-T-24-0750	VT-SR-982-T-24-0750	VT-N-982-T-24-0750			
1843	2	1		10	VT-943-T-10-0150						
				18	VT-943-T-18-0150						
				24	VT-943-T-24-0150						
* 1873-K3-1/4 1874-K3-1/4	3.75	1.375		18	VT-973-T-18-0325	VT-S-973-T-18-0325	VT-SR-973-T-18-0325	VT-N-973-T-18-0325			
24				VT-973-T-24-0325	VT-S-973-T-24-0325	VT-SR-973-T-24-0325	VT-N-973-T-24-0325				
1873-K4-1/2 1874-K4-1/2	5	1.375		18	VT-973-T-18-0450						
				24	VT-973-T-24-0450	VT-S-973-T-24-0450	VT-SR-973-T-24-0450				
1873-K7-1/2 1874-K7-1/2	8	1.375		18	VT-973-T-18-0750						
				24	VT-973-T-24-0750	VT-S-973-T-24-0750	VT-SR-973-T-24-0750				
1701TAB	3.25	1.25		12	VT-901-T-12-0209						
				18	VT-901-T-18-0209						
				24	VT-901-T-24-0209						

### Chains typically used with ValuTrac™ Tab Modules:

Chain Number	1843	1843G	1701TAB	1873-	1873G	1874-
ValuTrac Module	943-T series		901-T series	973-T-series		

Chain number	879TAB-	880TAB-	881TAB-K3 3/4, 4 1/4	881TAB-K7 1/2	882TAB-	LBP882T-
ValuTrac Module	980-T-series			981-T-series	982-T-series	

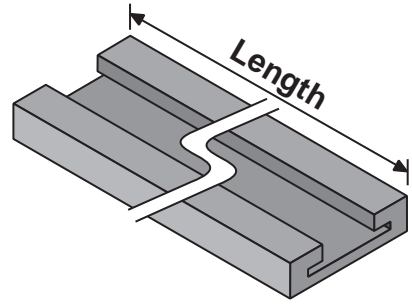


NOTE: Specialty chain styles such as gripper and low back pressure use the same ValuTrac module as the standard sideflexing counterpart. Example: Chain no. 1873G (grripper style) uses the same module as standard chain no. 1873-. For 815, 820, or 831 style chain, use ValuTrac part number VT-980-T.

\* These ValuTrac modules are commonly used on side gripping, elevator/lowerator systems.



### Straight Sections for Tab Chain



ValuTrac™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.



A4 BLACK	NOLU-S
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.

Chain Number	Track Width	Track Height	Carry or Return	Length in Feet	A4 Black Part Number	Nolu-S Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.75	1		3	VT-980-T-S-0325-3	VT-S-980-T-S-0325-3
				6	VT-980-T-S-0325-6	VT-S-980-T-S-0325-6
				10	VT-980-T-S-0325-10	VT-S-980-T-S-0325-10
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	5	1		3	VT-980-T-S-0450-3	VT-S-980-T-S-0450-3
				6	VT-980-T-S-0450-6	VT-S-980-T-S-0450-6
				10	VT-980-T-S-0450-10	VT-S-980-T-S-0450-10
881TAB-K7-1/2	8	1		3	VT-981-T-S-0750-3	VT-S-981-T-S-0750-3
				6	VT-981-T-S-0750-6	VT-S-981-T-S-0750-6
				10	VT-981-T-S-0750-10	VT-S-981-T-S-0750-10
* 882TAB-K4-1/2	5	1.188		3	VT-982-T-S-0450-3	VT-S-982-T-S-0450-3
				6	VT-982-T-S-0450-6	VT-S-982-T-S-0450-6
				10	VT-982-T-S-0450-10	VT-S-982-T-S-0450-10
882TAB-K7-1/2	8	1.188		3	VT-982-T-S-0750-3	VT-S-982-T-S-0750-3
				6	VT-982-T-S-0750-6	VT-S-982-T-S-0750-6
				10	VT-982-T-S-0750-10	VT-S-982-T-S-0750-10
1843	2	1		3	VT-943-T-S-0150-3	
				6	VT-943-T-S-0150-6	
				10	VT-943-T-S-0150-10	
* 1873-K3-1/4, 1874-K3-1/4	3.75	1.375		3	VT-973-T-S-0325-3	VT-S-973-T-S-0325-3
				6	VT-973-T-S-0325-6	VT-S-973-T-S-0325-6
				10	VT-973-T-S-0325-10	VT-S-973-T-S-0325-10
1873-K4-1/2, 1874-K4-1/2	5	1.375		3	VT-973-T-S-0450-3	
				6	VT-973-T-S-0450-6	
				10	VT-973-T-S-0450-10	
1873-K7-1/2, 1874-K7-1/2	8	1.375		3	VT-973-T-S-0750-3	
				6	VT-973-T-S-0750-6	
				10	VT-973-T-S-0750-10	
1701TAB	3.25	1.25		3	VT-901-T-S-0209-3	
				6	VT-901-T-S-0209-6	
				10	VT-901-T-S-0209-10	

\*These ValuTrac modules are commonly used on side gripping, elevator/lowerator systems.

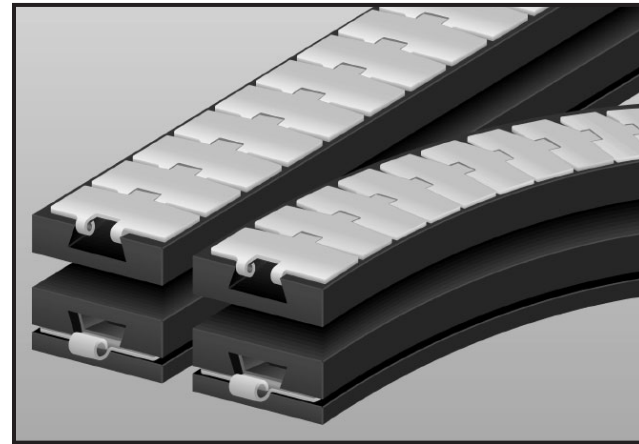
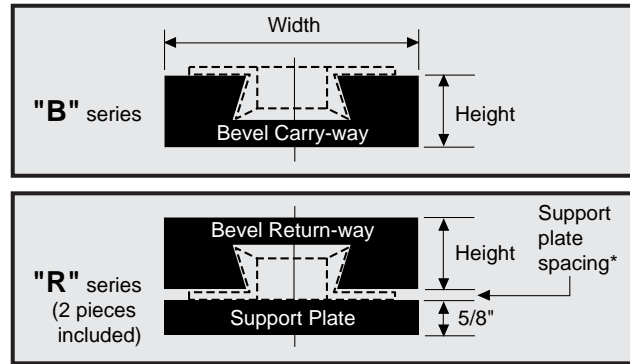
Conveyor Chain Guides & Wear Strips

Conveyor Chain Guides & Wear Strips





# Bevel Style

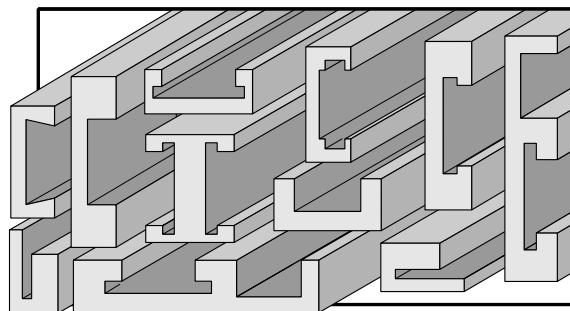
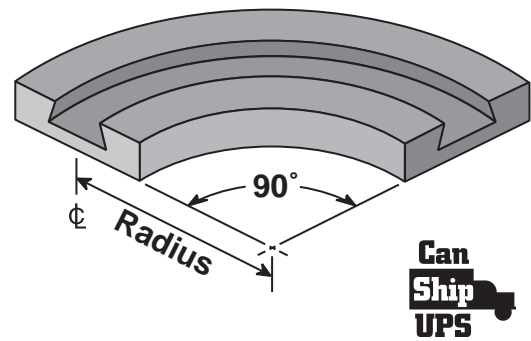


ValuTrac™ for bevel chains use a 1 piece track for carry-ways. Return-ways consist of 2 pieces, the track and a 5/8" thick chain support plate.

\* Support plate spacing: 879=(7/32") 880=(3/16") 881=(5/32") 882=(7/32")

**A4 BLACK**  
 A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.

# Curves for Bevel Chain



See page 156 for custom module ordering instructions.

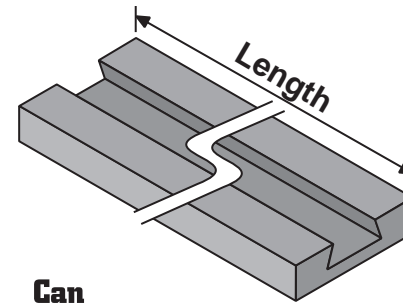
Chain Number	Track Width	Track Height	Carry or Return	Radius	A4 Black Part Number
879-K3-1/4 880-K3-1/4 881-K3-1/4	3.75	1	carry	18	VT-980-B-18-0325
				24	VT-980-B-24-0325
			return	18	VT-980-R-18-0325
				24	VT-980-R-24-0325
879-K4-1/2 880-K4-1/2 881-K4-1/2	5	1	carry	24	VT-980-B-24-0450
				24	VT-980-R-24-0450
			return	24	VT-980-R-24-0450
				24	VT-980-R-24-0450
881-K7-1/2	8	1	carry	24	VT-981-B-24-0750
				24	VT-981-R-24-0750
			return	24	VT-981-R-24-0750
				24	VT-981-R-24-0750
882-K4-1/2	5	1.188	carry	24	VT-982-B-24-0450
				24	VT-982-R-24-0450
			return	24	VT-982-R-24-0450
				24	VT-982-R-24-0450
882-K7-1/2	8	1.188	carry	24	VT-982-B-24-0750
				24	VT-982-R-24-0750
			return	24	VT-982-R-24-0750
				24	VT-982-R-24-0750

Note: Because the bottom dimensions of the 879, 880 and 881 chains are the same for widths up to 4 1/2", the VT-980 track is used for all three chains.

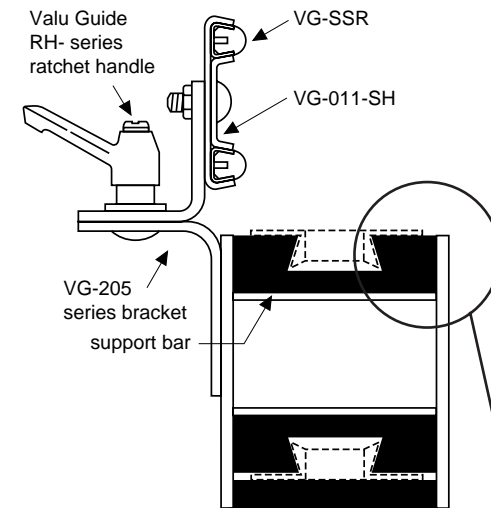


# Straight Sections for Bevel Chain

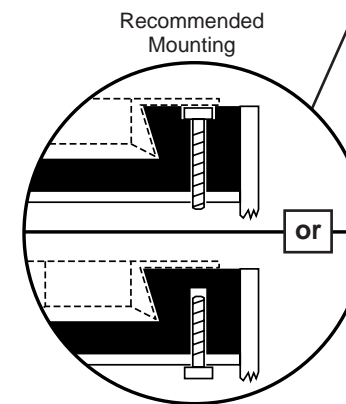
**A4 BLACK**  
 A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.



**Can Ship UPS**  
 (3 & 6 ft. lengths)



Cross section of typical carry and return using Bevel Style ValuTrac and Valu Guide Conveyor Components.



Chain Number	Track Width	Track Height	Carry or Return	Length in Feet	A4 Black Part Number
879-K3-1/4 880-K3-1/4 881-K3-1/4	3.75	1	carry	3	VT-980-B-S-0325-3
				6	VT-980-B-S-0325-6
				10	VT-980-B-S-0325-10
			return	3	VT-980-R-S-0325-3
				6	VT-980-R-S-0325-6
				10	VT-980-R-S-0325-10
879-K4-1/2 880-K4-1/2 881-K4-1/2	5	1	carry	3	VT-980-B-S-0450-3
				6	VT-980-B-S-0450-6
				10	VT-980-B-S-0450-10
			return	3	VT-980-R-S-0450-3
				6	VT-980-R-S-0450-6
				10	VT-980-R-S-0450-10
881-K7-1/2	8	1	carry	3	VT-981-B-S-0750-3
				6	VT-981-B-S-0750-6
				10	VT-981-B-S-0750-10
			return	3	VT-981-R-S-0750-3
				6	VT-981-R-S-0750-6
				10	VT-981-R-S-0750-10
882-K4-1/2	5	1.188	carry	3	VT-982-B-S-0450-3
				6	VT-982-B-S-0450-6
				10	VT-982-B-S-0450-10
			return	3	VT-982-R-S-0450-3
				6	VT-982-R-S-0450-6
				10	VT-982-R-S-0450-10
882-K7-1/2	8	1.188	carry	3	VT-982-B-S-0750-3
				6	VT-982-B-S-0750-6
				10	VT-982-B-S-0750-10
			return	3	VT-982-R-S-0750-3
				6	VT-982-R-S-0750-6
				10	VT-982-R-S-0750-10

Note: Because the bottom dimensions of the 879, 880 and 881 chains are the same for widths up to 4 1/2", the VT-980 track is used for all three chains.

# Chains typically used with ValuTrac™ Bevel Modules

Chain Number	879-	880-	881-K3 1/4, 4 1/2	881-K7 1/2	882-
ValuTrac Module	980-B or -R series			981-B or -R series	982-B or -R series



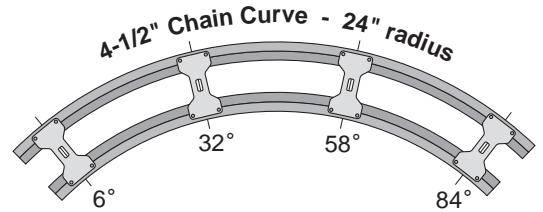
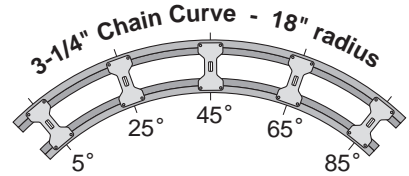


**NEW**

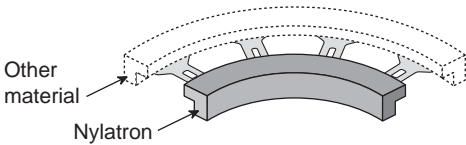
# Hybrid Curves for Tab Chain

**Can Ship UPS**

Patent Pending

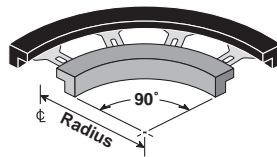


A4 BLACK	NOLU-S	NOLU-SR	NYLATRON
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.	Nolu-SR combines the Nolu-S features with a much harder, longer wearing composition which can be used in some high-speed/high-load applications previously requiring Nylatron®.	Nylatron® is an extremely hard plastic which has characteristics allowing it to be used in high-speed/high-load applications or those involving abrasives.

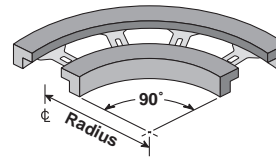


Most wear occurs on the inside portion of tracks. In some situations where Nylatron is necessary, ValuTrac III™ is an economical alternative to solid Nylatron curves.

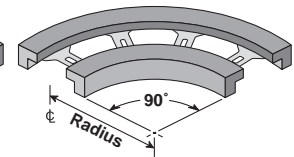
**Nylatron (inside) and A4 Black**



**Nylatron (inside) and Nolu-S**



**Nylatron (inside) and Nolu-SR**



Chain Number	Track Width	Track Height	Carry or Return	Radius	Part Number	Part Number	Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.75	1		18	VT3-N-B-980-T-18-0325	VT3-N-S-980-T-18-0325	VT3-N-SR-980-T-18-0325
24				VT3-N-B-980-T-24-0325	VT3-N-S-980-T-24-0325	VT3-N-SR-980-T-24-0325	
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	5	1		24	VT3-N-B-980-T-24-0450	VT3-N-S-980-T-24-0450	VT3-N-SR-980-T-24-0450
882TAB-K4-1/2				5	1.188		24
1873-K3-1/4 1874-K3-1/4	3.75	1.375		18	VT3-N-B-973-T-18-0325	VT3-N-S-973-T-18-0325	VT3-N-SR-973-T-18-0325
24				VT3-N-B-973-T-24-0325	VT3-N-S-973-T-24-0325	VT3-N-SR-973-T-24-0325	

Conveyor Chain Guides & Wear Strips

## Chains typically used with ValuTrac III™ Tab Modules:

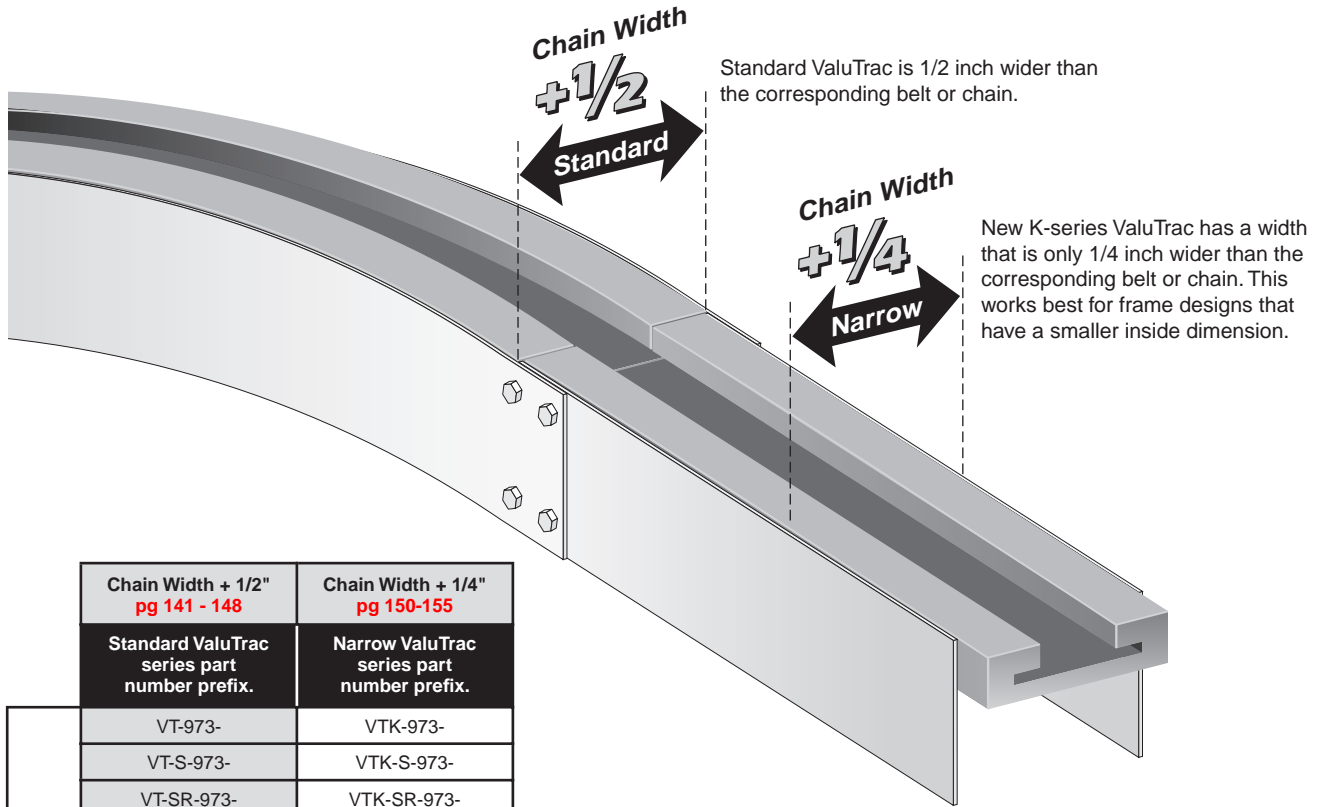
Chain Number	1873-	1873G	1874-	1874G		
ValuTrac III Module	973-T- series					
Chain number	879TAB-	880TAB-	881TAB-K3 1/4, 4 1/2	882TAB-	LBP882T-	882G
ValuTrac III Module	980-T- series			982-T- series		

**NOTE:** Specialty chain styles such as gripper and low back pressure use the same ValuTrac II module as the standard sideflexing counterpart. Example: Chain no. 1873G (grripper style) uses the same module as standard chain no. 1873-.



**NEW**

# Introducing **NARROW** VALU TRAC™



	Chain Width + 1/2" pg 141 - 148	Chain Width + 1/4" pg 150-155
	Standard ValuTrac series part number prefix.	Narrow ValuTrac series part number prefix.
VALU TRAC I	VT-973-	VTK-973-
	VT-S-973-	VTK-S-973-
	VT-SR-973-	VTK-SR-973-
	VT-N-973-	VTK-N-973-
	VT-980-	VTK-980-
	VT-S-980-	VTK-S-980-
	VT-SR-980-	VTK-SR-980-
	VT-N-980-	VTK-N-980-
	VT-981-	VTK-981-
	VT-982-	VTK-982-
	VT-S-982-	VTK-S-982-
	VT-SR-982-	VTK-SR-982-
VT-N-982-	VTK-N-982-	
VALU TRAC II	VT2-980-	VT2K-980-
	VT2-S-980-	VT2K-S-980-
	VT2-SR-980-	VT2K-SR-980-
	VT2-N-980-	VT2K-N-980-
	VT2-982-	VT2K-982-
	VT2-S-982-	VT2K-S-982-
	VT2-SR-982-	VT2K-SR-982-
	VT2-N-982-	VT2K-N-982-
VALU TRAC III	VT3-N-B-980-	VT3K-N-B-980-
	VT3-N-S-980-	VT3K-N-S-980-
	VT3-N-SR-980-	VT3K-N-SR-980-
	VT3-N-B-982-	VT3K-N-B-982-
	VT3-N-S-982-	VT3K-N-S-982-
	VT3-N-SR-982-	VT3K-N-SR-982-

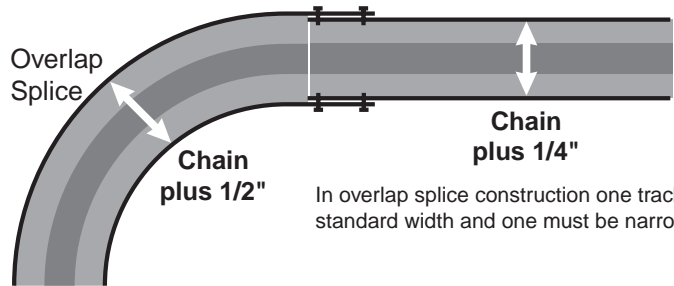


Narrow ValuTrac (chain width plus 1/4")

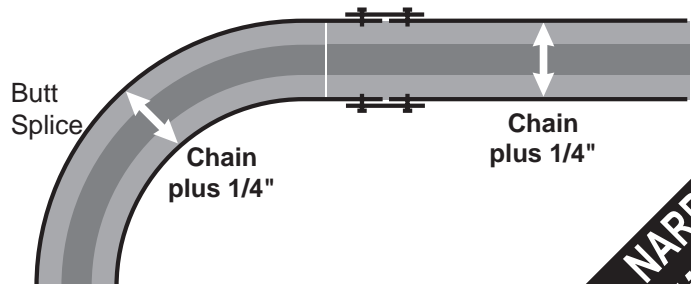


Standard ValuTrac (chain width plus 1/2")

### Typical conveyor frame construction methods:



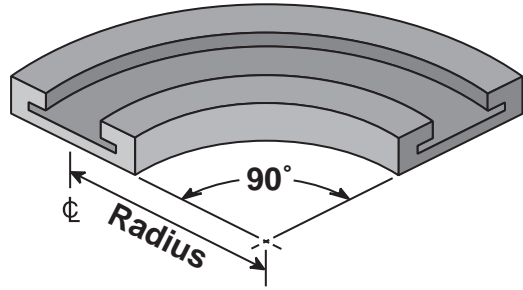
In overlap splice construction one track must be standard width and one must be narrow width.



Conveyor Chain Guides & Wear Strips



## NARROW VALU TRAC Curves for Tab Chain



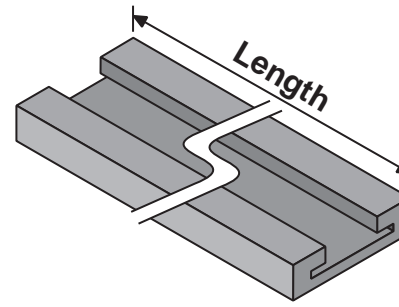
Narrow ValuTrac™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.

A4 BLACK	NOLU-S	NOLU-SR	NYLATRON
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.	Nolu-SR combines the Nolu-S features with a much harder, longer wearing composition which can be used in some high-speed/high-load applications previously requiring Nylatron®.	Nylatron® is an extremely hard plastic which has characteristics allowing it to be used in high-speed/high-load applications or those involving abrasives.

Chain Number	Track Width	Track Height	Carry or Return	Radius	A4 Black Part Number	Nolu-S Part Number	Nolu-SR Part Number	Nylatron Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.5	1		18	VTK-980-T-18-0325	VTK-S-980-T-18-0325	VTK-SR-980-T-18-0325	VTK-N-980-T-18-0325
				24	VTK-980-T-24-0325	VTK-S-980-T-24-0325	VTK-SR-980-T-24-0325	VTK-N-980-T-24-0325
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	4.75	1		24	VTK-980-T-24-0450	VTK-S-980-T-24-0450	VTK-SR-980-T-24-0450	VTK-N-980-T-24-0450
881TAB-K7-1/2	7.75	1		24	VTK-981-T-24-0750			
* 882TAB-K4-1/2	4.75	1.188		24	VTK-982-T-24-0450	VTK-S-982-T-24-0450	VTK-SR-982-T-24-0450	VTK-N-982-T-24-0450
882TAB-K7-1/2	7.75	1.188		24	VTK-982-T-24-0750	VTK-S-982-T-24-0750	VTK-SR-982-T-24-0750	VTK-N-982-T-24-0750
* 1873-K3-1/4 1874-K3-1/4	3.5	1.375		18	VTK-973-T-18-0325	VTK-S-973-T-18-0325	VTK-SR-973-T-18-0325	VTK-N-973-T-18-0325
				24	VTK-973-T-24-0325	VTK-S-973-T-24-0325	VTK-SR-973-T-24-0325	VTK-N-973-T-24-0325
1873-K4-1/2 1874-K4-1/2	4.75	1.375		18	VTK-973-T-18-0450			
				24	VTK-973-T-24-0450	VTK-S-973-T-24-0450	VTK-SR-973-T-24-0450	
1873-K7-1/2 1874-K7-1/2	7.75	1.375		18	VTK-973-T-18-0750			
				24	VTK-973-T-24-0750	VTK-S-973-T-24-0750	VTK-SR-973-T-24-0750	



## NARROW VALU TRAC Straight Sections for Tab Chain



Narrow ValuTrac™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.

(3 & 6 ft. lengths)

A4 BLACK	NOLU-S
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.

Chain Number	Track Width	Track Height	Carry or Return	Length in Feet	A4 Black Part Number	Nolu-S Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.5	1		3	VTK-980-T-S-0325-3	VTK-S-980-T-S-0325-3
				6	VTK-980-T-S-0325-6	VTK-S-980-T-S-0325-6
				10	VTK-980-T-S-0325-10	VTK-S-980-T-S-0325-10
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	4.75	1		3	VTK-980-T-S-0450-3	VTK-S-980-T-S-0450-3
				6	VTK-980-T-S-0450-6	VTK-S-980-T-S-0450-6
				10	VTK-980-T-S-0450-10	VTK-S-980-T-S-0450-10
881TAB-K7-1/2	7.75	1		3	VTK-981-T-S-0750-3	VTK-S-981-T-S-0750-3
				6	VTK-981-T-S-0750-6	VTK-S-981-T-S-0750-6
				10	VTK-981-T-S-0750-10	VTK-S-981-T-S-0750-10
* 882TAB-K4-1/2	4.75	1.188		3	VTK-982-T-S-0450-3	VTK-S-982-T-S-0450-3
				6	VTK-982-T-S-0450-6	VTK-S-982-T-S-0450-6
				10	VTK-982-T-S-0450-10	VTK-S-982-T-S-0450-10
882TAB-K7-1/2	7.75	1.188		3	VTK-982-T-S-0750-3	VTK-S-982-T-S-0750-3
				6	VTK-982-T-S-0750-6	VTK-S-982-T-S-0750-6
				10	VTK-982-T-S-0750-10	VTK-S-982-T-S-0750-10
* 1873-K3-1/4, 1874-K3-1/4	3.5	1.375		3	VTK-973-T-S-0325-3	VTK-S-973-T-S-0325-3
				6	VTK-973-T-S-0325-6	VTK-S-973-T-S-0325-6
				10	VTK-973-T-S-0325-10	VTK-S-973-T-S-0325-10
1873-K4-1/2, 1874-K4-1/2	4.75	1.375		3	VTK-973-T-S-0450-3	
				6	VTK-973-T-S-0450-6	
				10	VTK-973-T-S-0450-10	
1873-K7-1/2, 1874-K7-1/2	7.75	1.375		3	VTK-973-T-S-0750-3	
				6	VTK-973-T-S-0750-6	
				10	VTK-973-T-S-0750-10	

### Chains typically used with Narrow ValuTrac™ Tab Modules:

Chain Number	1873-	1873G	1874-	1874G
Narrow ValuTrac	973-T-series			

Chain number	879TAB-	880TAB-	881TAB-K3¼, 4½	881TAB-K7½	882TAB-	LBP882T-	882G
Narrow ValuTrac	980-T-series				981-T-series		982-T-series

**NOTE:** Specialty chain styles such as gripper and low back pressure use the same Narrow ValuTrac module as the standard sideflexing counterpart. Example: Chain no. 1873G (grripper style) uses the same module as standard chain no. 1873-. For 815, 820, or 831 style chain, use Narrow ValuTrac part number VTK-980-T.

\* These Narrow ValuTrac modules are commonly used on side gripping, elevator/lowerator systems.

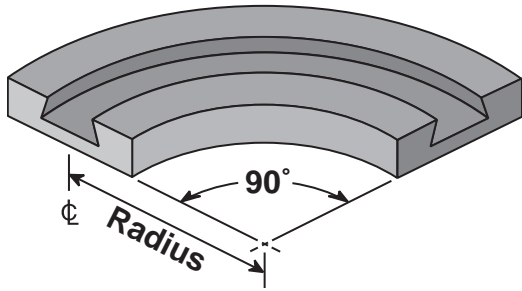
\*These Narrow ValuTrac modules are commonly used on side gripping, elevator/lowerator systems.



NARROW VALU-TRAC

Straight Sections for Bevel Chain

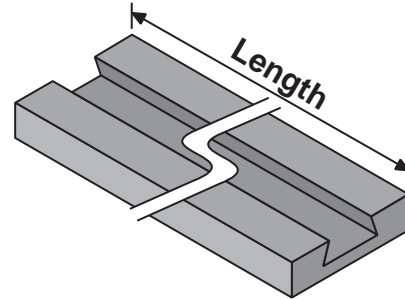
Curves for Bevel Chain



(3 & 6 ft. lengths)

A4 BLACK

A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.



Chain Number	Track Width	Track Height	Carry or Return	Radius	A4 Black Part Number
879-K3-1/4 880-K3-1/4 881-K3-1/4	3.5	1	carry	18	VTK-980-B-18-0325
				24	VTK-980-B-24-0325
			return	18	VTK-980-R-18-0325
				24	VTK-980-R-24-0325
879-K4-1/2 880-K4-1/2 881-K4-1/2	4.75	1	carry	24	VTK-980-B-24-0450
					VTK-980-R-24-0450
			return		VTK-980-B-24-0450
					VTK-980-R-24-0450
881-K7-1/2	7.75	1	carry	24	VTK-981-B-24-0750
					VTK-981-R-24-0750
			return		VTK-981-B-24-0750
					VTK-981-R-24-0750
882-K4-1/2	4.75	1.188	carry	24	VTK-982-B-24-0450
					VTK-982-R-24-0450
			return		VTK-982-B-24-0450
					VTK-982-R-24-0450
882-K7-1/2	7.75	1.188	carry	24	VTK-982-B-24-0750
					VTK-982-R-24-0750
			return		VTK-982-B-24-0750
					VTK-982-R-24-0750

Chain Number	Track Width	Track Height	Carry or Return	Length (Feet)	A4 Black Part Number
879-K3-1/4 880-K3-1/4 881-K3-1/4	3.5	1	carry	3	VTK-980-B-S-0325-3
				6	VTK-980-B-S-0325-6
				10	VTK-980-B-S-0325-10
			return	3	VTK-980-R-S-0325-3
				6	VTK-980-R-S-0325-6
				10	VTK-980-R-S-0325-10
879-K4-1/2 880-K4-1/2 881-K4-1/2	4.75	1	carry	3	VTK-980-B-S-0450-3
				6	VTK-980-B-S-0450-6
				10	VTK-980-B-S-0450-10
			return	3	VTK-980-R-S-0450-3
				6	VTK-980-R-S-0450-6
				10	VTK-980-R-S-0450-10
881-K7-1/2	7.75	1	carry	3	VTK-981-B-S-0750-3
				6	VTK-981-B-S-0750-6
				10	VTK-981-B-S-0750-10
			return	3	VTK-981-R-S-0750-3
				6	VTK-981-R-S-0750-6
				10	VTK-981-R-S-0750-10
882-K4-1/2	4.75	1.188	carry	3	VTK-982-B-S-0450-3
				6	VTK-982-B-S-0450-6
				10	VTK-982-B-S-0450-10
			return	3	VTK-982-R-S-0450-3
				6	VTK-982-R-S-0450-6
				10	VTK-982-R-S-0450-10
882-K7-1/2	7.75	1.188	carry	3	VTK-982-B-S-0750-3
				6	VTK-982-B-S-0750-6
				10	VTK-982-B-S-0750-10
			return	3	VTK-982-R-S-0750-3
				6	VTK-982-R-S-0750-6
				10	VTK-982-R-S-0750-10

Narrow ValuTrac™ for bevel chains use a 1 piece track for carry-ways. Return-ways consist of 2 pieces, the track and a 5/8" thick chain support plate.

\* Support plate spacing: 879=(7/32") 880=(3/16") 881=(6/32") 882=(7/32")

Note: Because the bottom dimensions of the 879, 880 and 881 chains are the same for widths up to 4 1/2", the VTK-980 track is used for all three chains.

Chains typically used with Narrow ValuTrac™ Bevel Modules

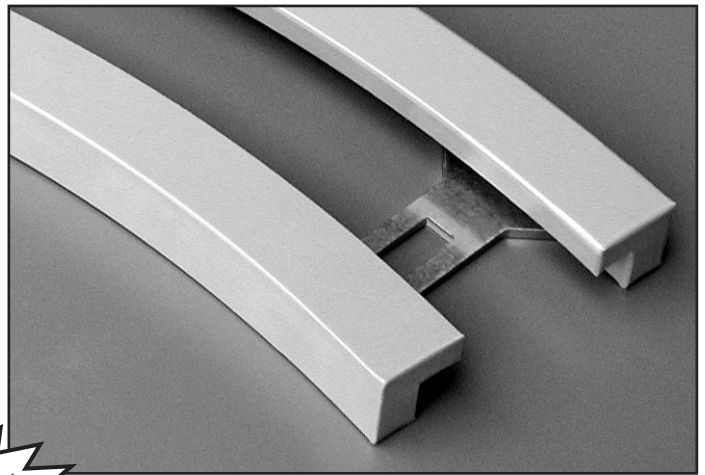
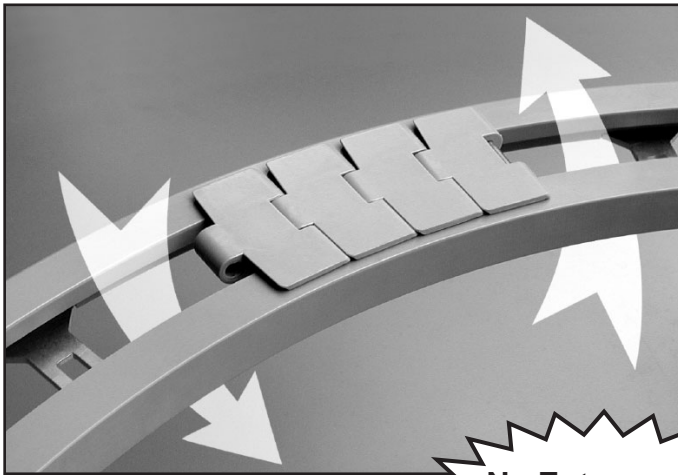
Chain Number	879-	880-	881-K3 1/4, 4 1/2	881-K7 1/2	882-
Narrow ValuTrac	980-B or -R series			981-B or -R series	982-B or -R series

Conveyor Chain Guides & Wear Strips

**NARROW VALU-TRAC**  
Chain width plus 1/4 inch



# NARROW VALU TRAC II <sup>TM</sup> Revolution in conveyor chain track



**No Entrapment or Debris Buildup Areas!**

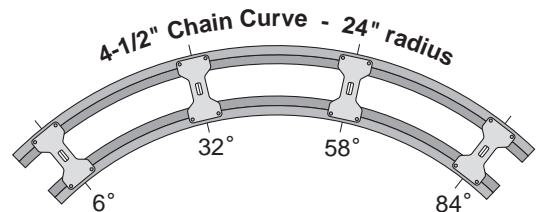
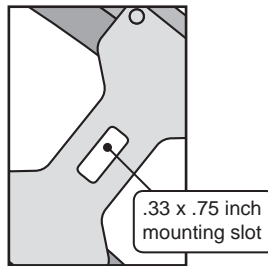
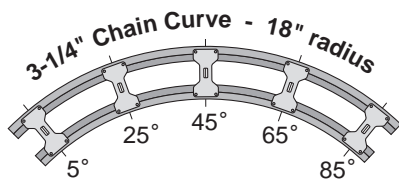
## VTK2

### Narrow ValuTrac 2

Combines the durability and low friction of our engineered plastic wear materials with sturdy stainless steel mounting plates. This makes mounting and replacement easy and quick.



- Stainless steel mounting plates.
- Standardized geometry for fast, repeatable installations.
- No entrapment or debris buildup areas - easy cleaning.
- Variety of track materials.
- Available for most popular chain sizes.
- Precision manufactured to exacting standards.



Conveyor Chain Guides & Wear Strips

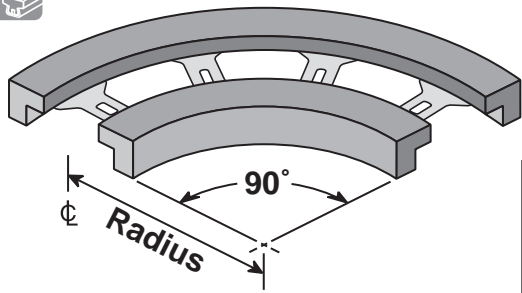
### Chains typically used with Narrow ValuTrac II™ Tab Modules:

Chain Number	1873-	1873G	1874-	1874G
ValuTrac II Module	973-T-©series			

Chain number	879TAB-	880TAB-	881TAB-K3 ©1/2	882TAB-	LBP882T-	882G
ValuTrac II Module	980-T-©series			982-T-©series		

**NOTE:** Specialty chain styles such as gripper and low back pressure use the same ValuTrac II module as the standard sideflexing counterpart. Example: Chain no. 1873G (gripper style) uses the same module as standard chain no. 1873-.

# Narrow ValuTrac II



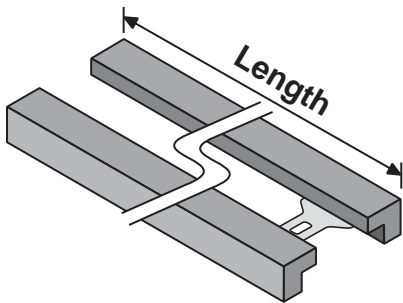
## NARROW VALU TRAC II Curves for Tab Chain



ValuTrac II™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.

A4 BLACK	NOLU-S	NOLU-SR	NYLATRON
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.	Nolu-SR combines the Nolu-S features with a much harder, longer wearing composition which can be used in some high-speed/high-load applications previously requiring Nylatron®.	Nylatron® is an extremely hard plastic which has characteristics allowing it to be used in high-speed/high-load applications or those involving abrasives.

Chain Number	Track Width	Track Height	Carry or Return	Radius	A4 Black Part Number	Nolu-S Part Number	Nolu-SR Part Number	Nylatron Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.5	1		18	VT2K-980-T-18-0325	VT2K-S-980-T-18-0325	VT2K-SR-980-T-18-0325	VT2K-N-980-T-18-0325
24				VT2K-980-T-24-0325	VT2K-S-980-T-24-0325	VT2K-SR-980-T-24-0325	VT2K-N-980-T-24-0325	
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	4.75	1		24	VT2K-980-T-24-0450	VT2K-S-980-T-24-0450	VT2K-SR-980-T-24-0450	VT2K-N-980-T-24-0450
882TAB-K4-1/2				4.75	1.188		24	VT2K-982-T-24-0450
1873-K3-1/4 1874-K3-1/4	3.5	1.375		18	VT2K-973-T-18-0325	VT2K-S-973-T-18-0325	VT2K-SR-973-T-18-0325	VT2K-N-973-T-18-0325
				24	VT2K-973-T-24-0325	VT2K-S-973-T-24-0325	VT2K-SR-973-T-24-0325	VT2K-N-973-T-24-0325



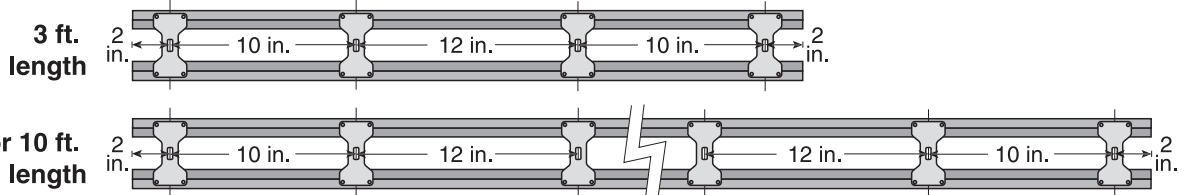
## Straight Sections for Tab Chain



(3 & 6 ft. lengths)

A4 BLACK	NOLU-S
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.

Chain Number	Track Width	Track Height	Carry or Return	Length in Feet	A4 Black Part Number	Nolu-S Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.5	1		3	VT2K-980-T-S-0325-3	VT2K-S-980-T-S-0325-3
				6	VT2K-980-T-S-0325-6	VT2K-S-980-T-S-0325-6
				10	VT2K-980-T-S-0325-10	VT2K-S-980-T-S-0325-10
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	4.75	1		3	VT2K-980-T-S-0450-3	VT2K-S-980-T-S-0450-3
				6	VT2K-980-T-S-0450-6	VT2K-S-980-T-S-0450-6
				10	VT2K-980-T-S-0450-10	VT2K-S-980-T-S-0450-10
882TAB-K4-1/2	4.75	1.188		3	VT2K-982-T-S-0450-3	VT2K-S-982-T-S-0450-3
				6	VT2K-982-T-S-0450-6	VT2K-S-982-T-S-0450-6
				10	VT2K-982-T-S-0450-10	VT2K-S-982-T-S-0450-10
1873-K3-1/4 1874-K3-1/4	3.5	1.375		3	VT2K-973-T-S-0325-3	VT2K-S-973-T-S-0325-3
				6	VT2K-973-T-S-0325-6	VT2K-S-973-T-S-0325-6
				10	VT2K-973-T-S-0325-10	VT2K-S-973-T-S-0325-10



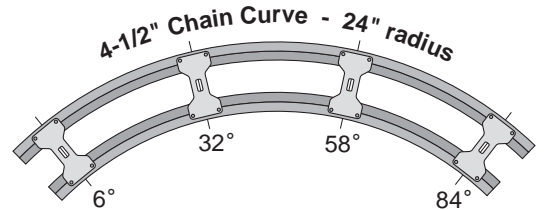
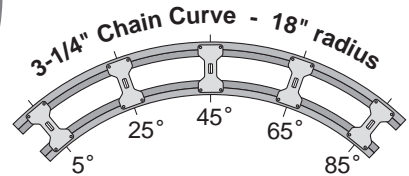
Conveyor Chain Guides & Wear Strips

**NARROW VALU TRAC II**  
Chain width plus 1/4 inch



# NARROW VALU TRAC III™

## Hybrid Curves for Tab Chain



A4 BLACK	NOLU-S	NOLU-SR	NYLATRON
A4 Black UHMW is our standard track material. It is a proprietary blend of resins and reground UHMW that maximizes wear and friction properties for most applications.	Nolu-S is a patented alloy of UHMW and other dry lubricants that maintains good wear characteristics while significantly reducing the track's coefficient of friction.	Nolu-SR combines the Nolu-S features with a much harder, longer wearing composition which can be used in some high-speed/high-load applications previously requiring Nylatron®.	Nylatron® is an extremely hard plastic which has characteristics allowing it to be used in high-speed/high-load applications or those involving abrasives.

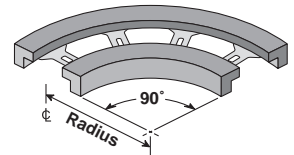
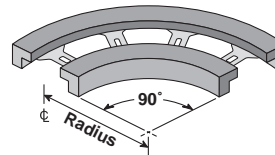
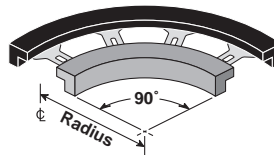
Nylatron (inside) and A4 Black

Nylatron (inside) and Nolu-S

Nylatron (inside) and Nolu-SR



ValuTrac III™ for tab chains can be used as carry-ways, or flipped upside down and used as return-ways.



Chain Number	Track Width	Track Height	Carry or Return	Radius	Part Number	Part Number	Part Number
879TAB-K3-1/4 880TAB-K3-1/4 881TAB-K3-1/4	3.5	1		18	VT3K-N-B-980-T-18-0325	VT3K-N-S-980-T-18-0325	VT3K-N-SR-980-T-18-0325
24				VT3K-N-B-980-T-24-0325	VT3K-N-S-980-T-24-0325	VT3K-N-SR-980-T-24-0325	
879TAB-K4-1/2 880TAB-K4-1/2 881TAB-K4-1/2	4.75	1		24	VT3K-N-B-980-T-24-0450	VT3K-N-S-980-T-24-0450	VT3K-N-SR-980-T-24-0450
882TAB-K4-1/2				4.75	1.188		24
1873-K3-1/4 1874-K3-1/4	3.5	1.375		18	VT3K-N-B-973-T-18-0325	VT3K-N-S-973-T-18-0325	VT3K-N-SR-973-T-18-0325
				24	VT3K-N-B-973-T-24-0325	VT3K-N-S-973-T-24-0325	VT3K-N-SR-973-T-24-0325

Conveyor Chain Guides & Wear Strips

### Chains typically used with ValuTrac III™ Tab Modules:

Chain Number	1873-	1873G	1874-	1874G		
ValuTrac III Module	973-T- series					
Chain number	879TAB-	880TAB-	881TAB-K3 3/4, 4 1/2	882TAB-	LBP882T-	882G
ValuTrac III Module	980-T- series			982-T- series		



**NOTE:** Specialty chain styles such as gripper and low back pressure use the same ValuTrac II module as the standard sideflexing counterpart. Example: Chain no. 1873G (gripper style) uses the same module as standard chain no. 1873-.



NOLU PLASTICS

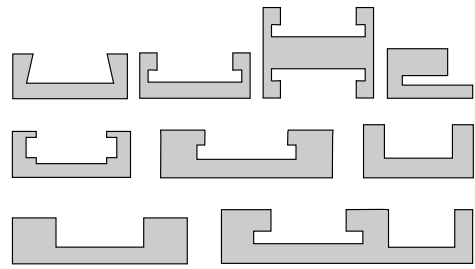
Solus Industrial Innovations, LLC.  
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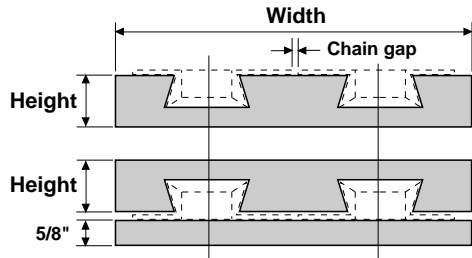


# Custom ValuTrac Sizes and Styles

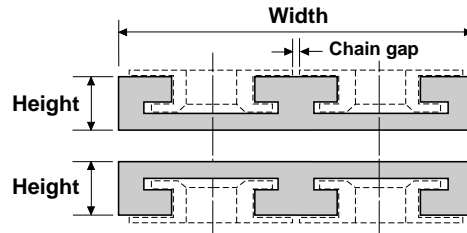
ValuTrac™ is available in a wide variety of custom sizes and styles. One piece modules with angles up to 180° can be manufactured with special radius selections, widths, and thicknesses. Special styles include: multi-lane, multi-chain, kits for side gripper style elevators, lowerators, rinsers, and other styles of side flexing chain. Tangents are also available on custom corner modules.



Additional ValuTrac custom modules



Section view of typical multi-lane bevel chain module



Section view of typical multi-lane tab chain module

Enter the information in the boxes below and fax to Solus Customer Service at 866-447-6587.

Conveyor Chain Guides & Wear Strips

**Custom Straights**

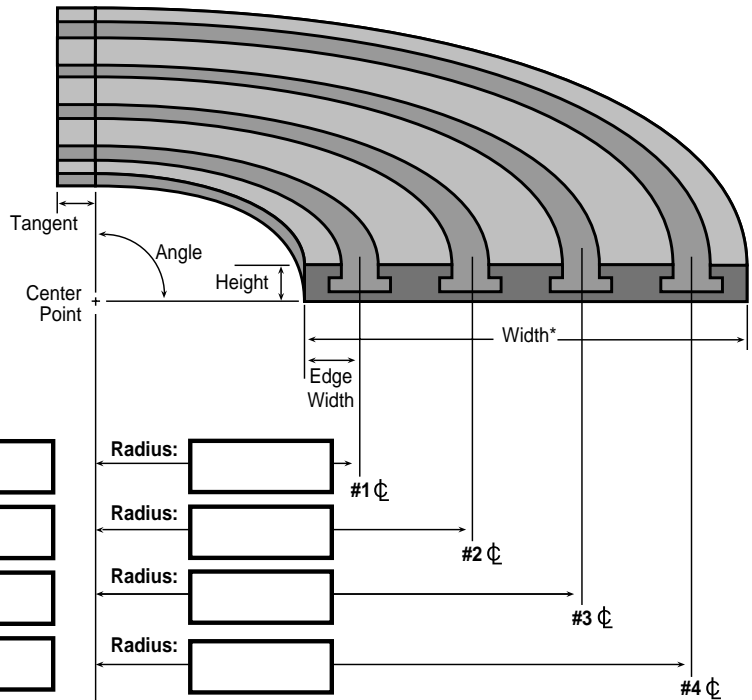
**Custom Turns**

No. of carry modules	<input type="text"/>	<input type="text"/>
No. of return modules	<input type="text"/>	<input type="text"/>
Length (Overall length of module 6 feet typical)	<input type="text"/>	NOT APPLICABLE
Tangent length (if req.) (3 inches typical, both ends unless indicated)	NOT APPLICABLE	<input type="text"/>
Angle (in degrees)	NOT APPLICABLE	<input type="text"/>
Height (Overall height of module in inches)	<input type="text"/>	<input type="text"/>
Width* (Overall width of module considering all chain widths and chain gaps)	<input type="text"/>	<input type="text"/>
Edge Width (Edge of module to center- line of chain #1 in inches)	<input type="text"/>	<input type="text"/>
Chain Gap (Space between edges of chain)	<input type="text"/>	<input type="text"/>
Chain Style #1: (Example: 880 TAB K3 1/4)	<input type="text"/>	<input type="text"/>
Chain Style #2:	<input type="text"/>	<input type="text"/>
Chain Style #3:	<input type="text"/>	<input type="text"/>
Chain Style #4:	<input type="text"/>	<input type="text"/>

Person requesting custom information

Company Name

Phone  Fax



**Material:** (Please check one)

Proprietary A4  Black UHMW:  Nylon:  Nolu-S  Nolu-SR Reinforced  Virgin White  Lubricated UHMW:  Lubricated UHMW:  UHMW:

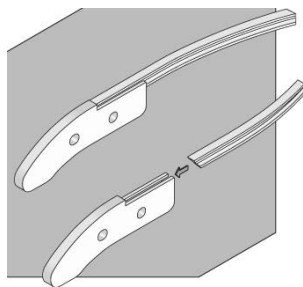
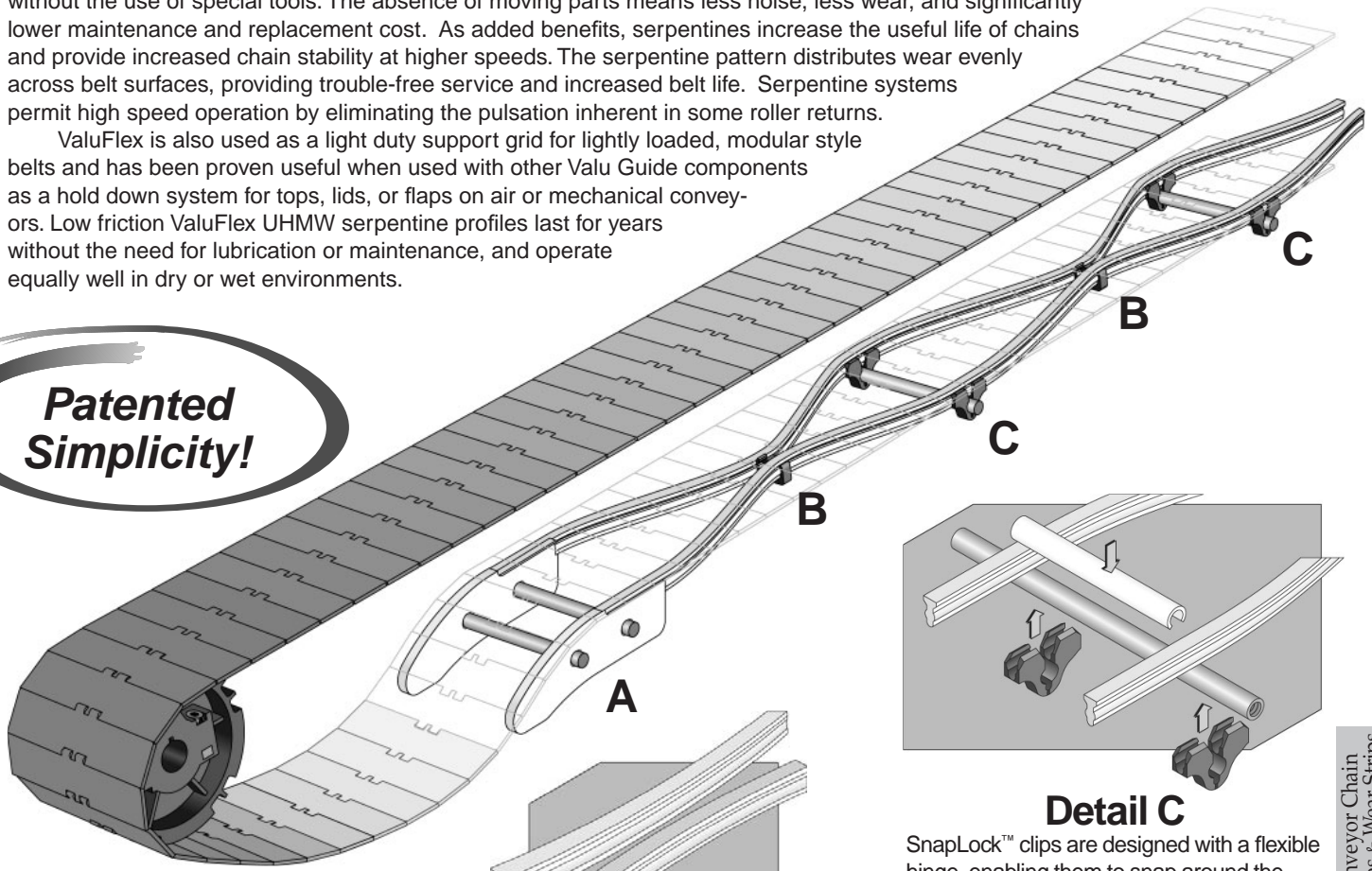
Other:  \_\_\_\_\_

\*NOTE: Please include the desired gap between each chain when calculating the overall module width. Recommended minimum gap is 1/16".

ValuFlex is a patented, serpentine wear strip system that solves conveyor return problems associated with metal and plastic slat top chains and wide modular type belts. The ValuFlex system uses standardized parts that help reduce design and fabrication time. ValuFlex can be easily installed, new or retrofitted, without the use of special tools. The absence of moving parts means less noise, less wear, and significantly lower maintenance and replacement cost. As added benefits, serpentine profiles increase the useful life of chains and provide increased chain stability at higher speeds. The serpentine pattern distributes wear evenly across belt surfaces, providing trouble-free service and increased belt life. Serpentine systems permit high speed operation by eliminating the pulsation inherent in some roller returns.

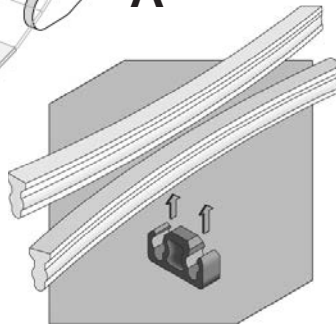
ValuFlex is also used as a light duty support grid for lightly loaded, modular style belts and has been proven useful when used with other Valu Guide components as a hold down system for tops, lids, or flaps on air or mechanical conveyors. Low friction ValuFlex UHMW serpentine profiles last for years without the need for lubrication or maintenance, and operate equally well in dry or wet environments.

**Patented Simplicity!**



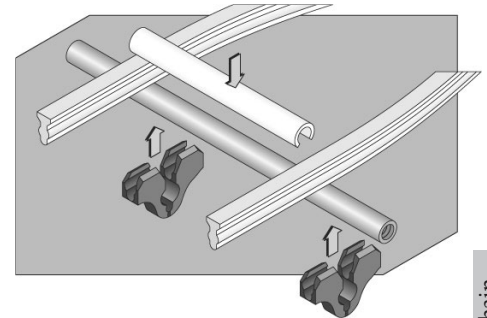
### Detail A

ValuFlex™ chain return shoes are made from the same durable UHMW material as the extruded profiles. They are designed to provide a generous entry radius, feeding the chain smoothly onto the serpentine profile for a trouble free transition. Conveyor design and fabrication is simplified by the geometry of the shoe and the location of the mounting holes.



### Detail B

Intermediate PinchLock™ clips reduce the number of cross members required by 50 percent. Most serpentine systems require a mid-cycle crossmember to pull the profiles together. With ValuFlex, on normal cycles of 18"-24", no center member is necessary. Midway between the cross rods, simply snap the PinchLock clips onto the serpentine profiles to complete the cycle which, in effect, eliminates every other cross support.



### Detail C

SnapLock™ clips are designed with a flexible hinge, enabling them to snap around the cross rod. Position the clips in the desired location along the rod. Then snap the ValuFlex serpentine profile into the clips by hand — no special tools are necessary. This assembled configuration creates a unique interference lock throughout the clip, profile, and rod, securing their relative positions. ValuFlex serpentine profiles are now securely locked to the cross rods and will not work up out of their slots, as other serpentine fabrications are prone to do. Splicing, though easily accomplished, is rarely needed because ValuFlex serpentine profiles are available in standard 100' coils (longer if needed), not the 10' lengths typical of "cut strip" serpentine systems.

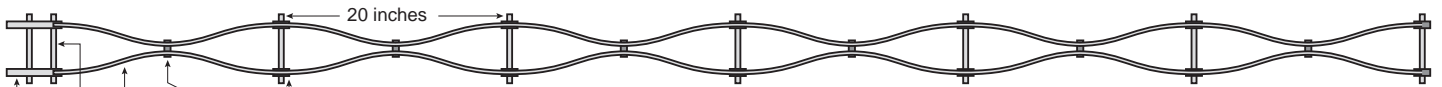
Conveyor Chain Guides & Wear Strips



The ValuFlex system combines four basic elements to form a complete, simple and cost-effective chain return solution. Flexible design accommodates virtually every width and length of conveyor. ValuFlex can be installed during or after conveyor frame assembly, or retro-fits can be installed directly on the existing conveyor with very little disassembly required.

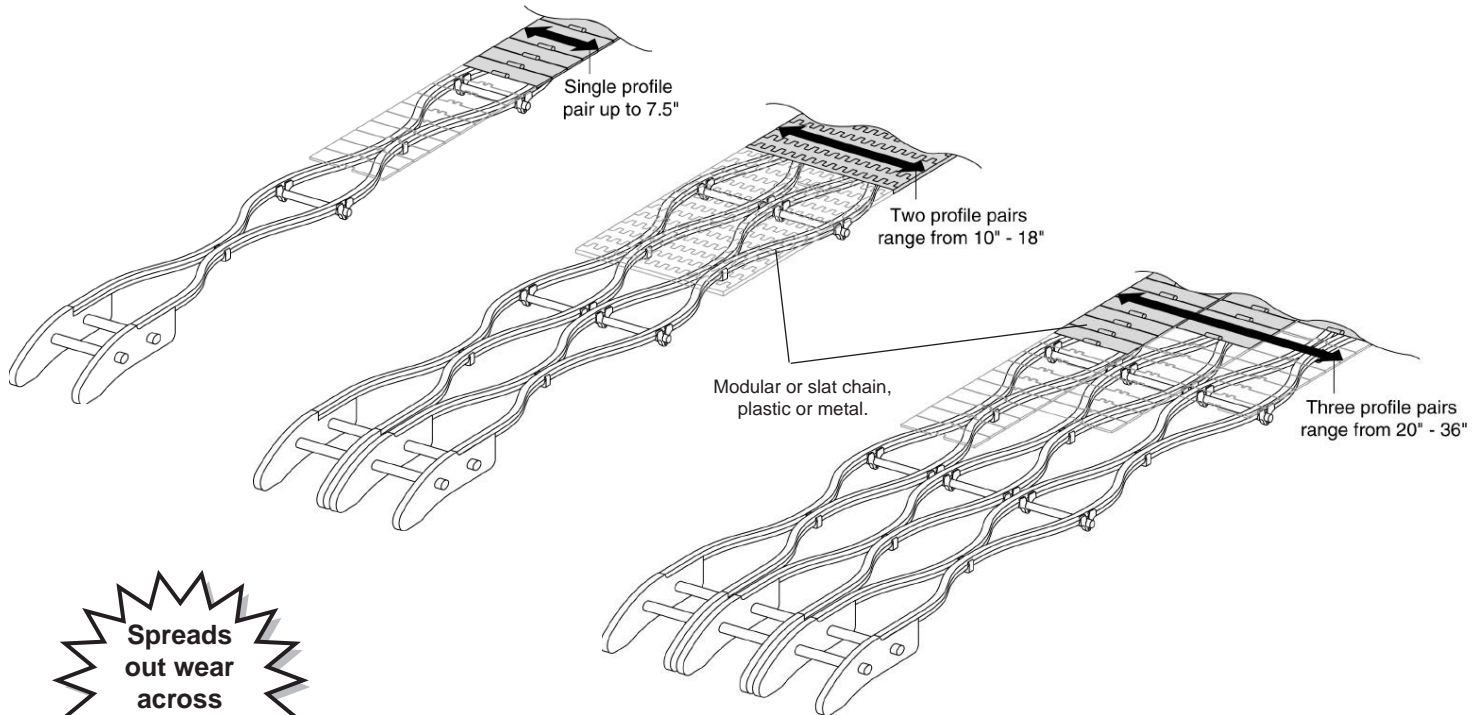


# Serpentine Chain Return System

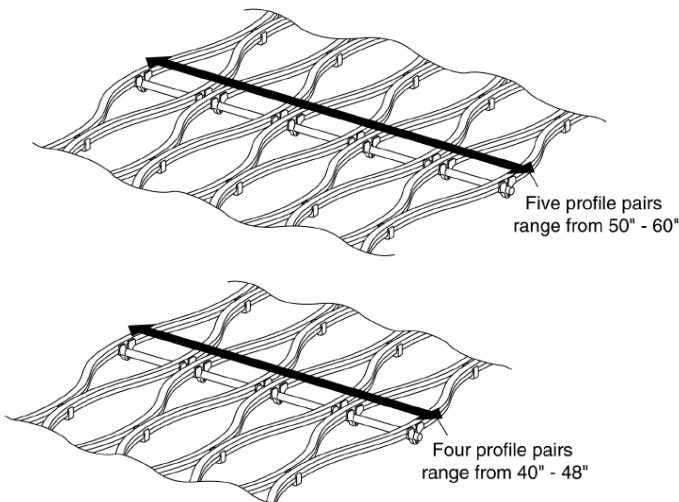


### Parts list for typical 10 ft. section of ValuFlex

- 12 each VF-CRC series SnapLock Clips
- 6 each VF-CRC-T PinchLock Clips
- 22-24 feet VF-38 series profile
- 8 each VF-CRP series spacers
- 2 each VF-CRS series chain return shoes (start of run only)



**Spreads out wear across chain!**

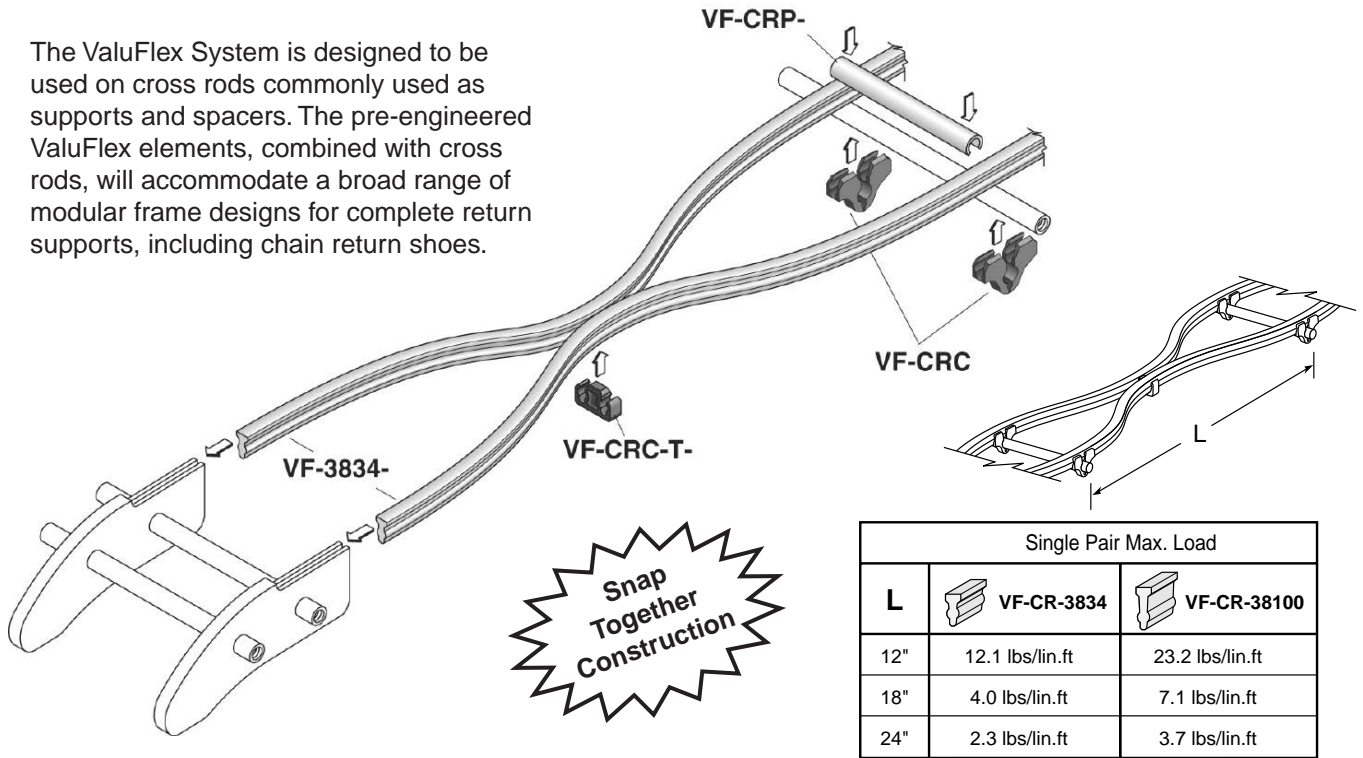


System Considerations	Roller	ValuFlex
Cost-Effective/Labor Saving	X	X
Flexible Design/Standard Parts	X	X
Trouble Free/Secure		X
Guaranteed Materials		X
Long Life/Lower Chain Wear		X
Low/No Maintenance		X
Stable at High Speeds		X
Universal Belt Compatibility	X	X
Industry Proven Reliable	X	X

Conveyor Chain Guides & Wear Strips



The ValuFlex System is designed to be used on cross rods commonly used as supports and spacers. The pre-engineered ValuFlex elements, combined with cross rods, will accommodate a broad range of modular frame designs for complete return supports, including chain return shoes.

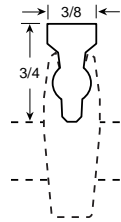
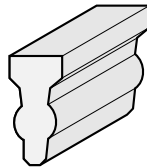


Single Pair Max. Load		
L	VF-CR-3834	VF-CR-38100
12"	12.1 lbs/lin.ft	23.2 lbs/lin.ft
18"	4.0 lbs/lin.ft	7.1 lbs/lin.ft
24"	2.3 lbs/lin.ft	3.7 lbs/lin.ft

## 3834

### Standard Duty Profile

Securely snaps and locks into ValuFlex clips and return shoes providing a smooth and level return surface.



Material: UHMW.



Part Number	Height (in.)	Length
VF-CR-3834-50	3/4	50
VF-CR-3834-100	3/4	100

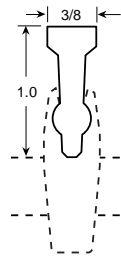
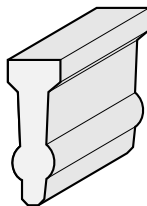


Patent # 336,712

## 38100

### Heavy Duty Profile

Securely snaps and locks into ValuFlex clips and return shoes providing a smooth and level return surface.

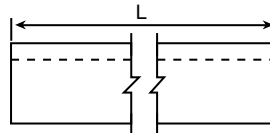
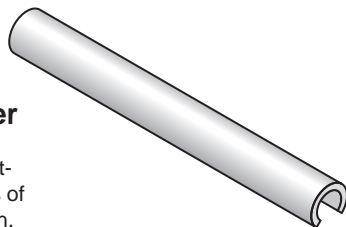


Part Number	Height (in.)	Length
VF-CR-38100-50	1	50
VF-CR-38100-100	1	100

## CRP

### Full Round Spacer

Maintains clip spacing, at any chain speed, by resisting the natural side forces of drifting and vibrating chain.



Part Number	ØRod	Chain Width	L
VF-CRP-325	1/2 or 9/16*	3.25	2.3
VF-CRP-450	1/2 or 9/16*	4.50	3.55
VF-CRP-600	1/2 or 9/16*	6.0	5.05
VF-CRP-750	1/2 or 9/16*	7.50	6.05
VF-CRP-8FT	1/2 or 9/16*	8'	96

VF-CRP5-325	5/8	3.25	2.3
VF-CRP5-450	5/8	4.50	3.55
VF-CRP5-600	5/8	6.0	5.05
VF-CRP5-750	5/8	7.50	6.05
VF-CRP5-8FT	5/8	8'	96

\*1/4" sch. 80 pipe diameter.

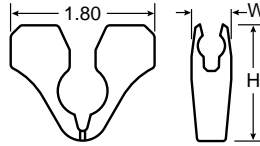
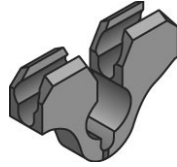


# SnapLock™ and PinchLok™ Clips

## CRC

### SnapLock™ Clip

Securely locks ValuFlex profiles onto rod or pipe.



Material: Black acetal.

Part Number	H	W	Ø Rod
VF-CRC-12	1.30	.45	1/2
VF-CRC-916	1.30	.45	1/4 SCH 80
VF-CRC-58	1.43	.50	5/8 or M16



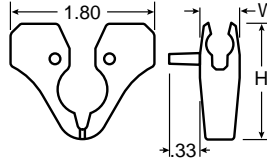
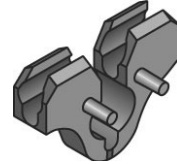
Patent # 340,564



## CRCP

### SnapLock™ Clip with pin

Securely locks ValuFlex profiles onto rod or pipe. Pins act as automatic side-frame spacers.

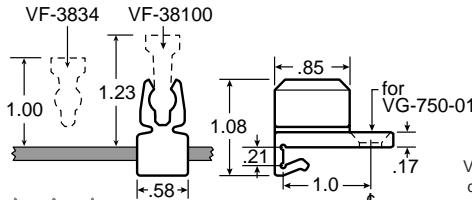


Part Number	H	W	Ø Rod
VF-CRCP-12	1.30	.45	1/2
VF-CRCP-916	1.30	.45	1/4 SCH 80
VF-CRCP-58	1.43	.50	5/8 or M16

## CRA

### SnapLock™ Clip

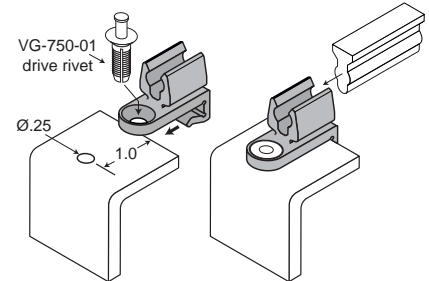
Fastens onto 7 to 11 gauge angle bar cross supports. Locks ValuFlex profiles securely in place. Clip is held secure with VG-750-01 drive rivet, which is included.



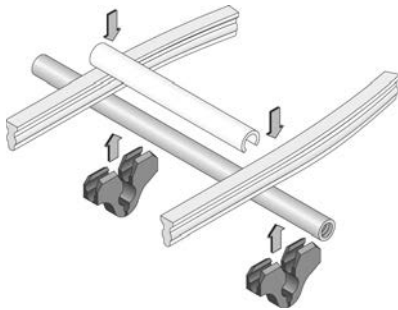
Patent # 6,533,108

Part Number

VF-CRA

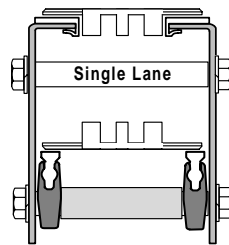


Conveyor Chain Guides & Wear Strips

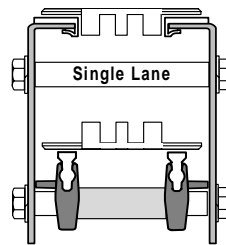


SnapLock Clips fit onto the cross rods and hold the serpentine profile in position.

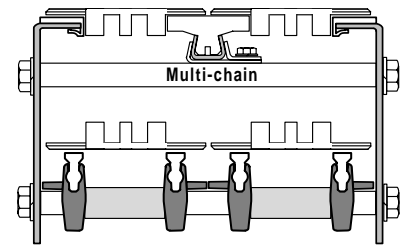
Typical SnapLock™ Mounting Applications:



VF-CRC-12



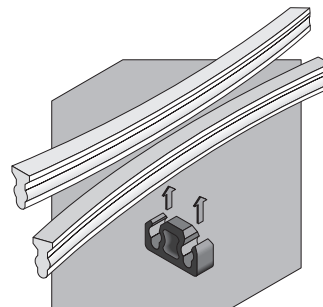
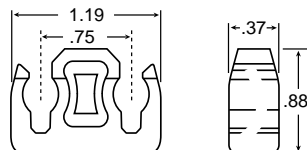
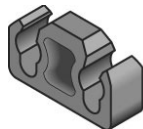
VF-CRCP-12



## CRC-T

### PinchLock™ Clip

Installed at the midpoint of the ValuFlex serpentine span, pinching and locking the two strips of ValuFlex profiles together. Recommended for use with all chain widths when cross rod centers are 14" or greater.



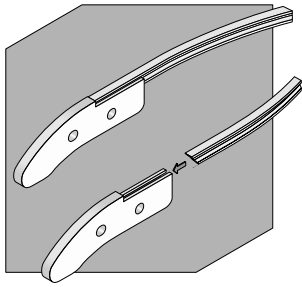
Material: Black acetal.

Part Number

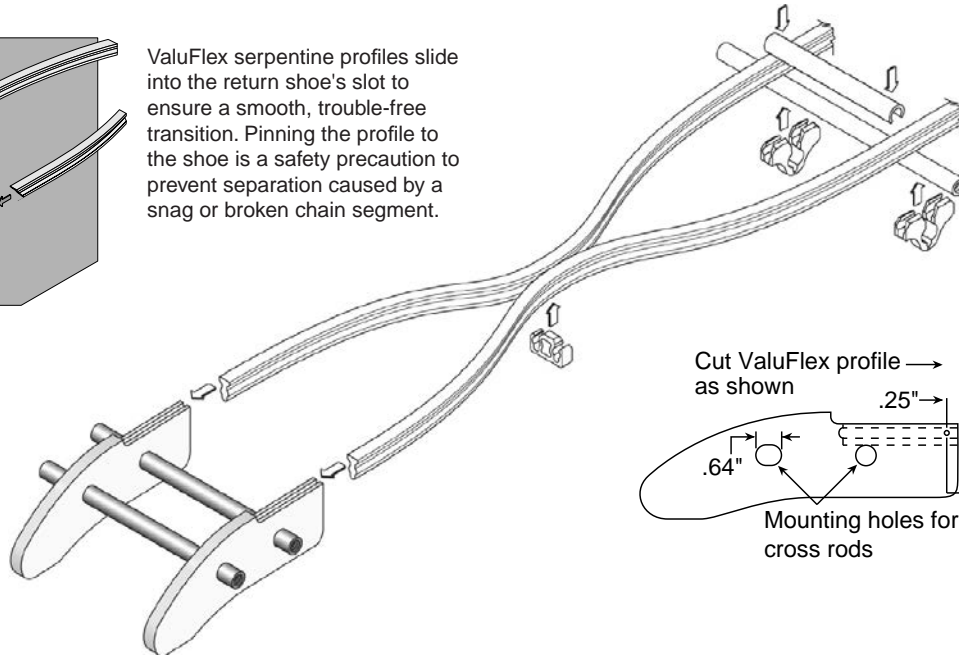
VF-CRC-T



# Chain Return Shoes and Cross Rods



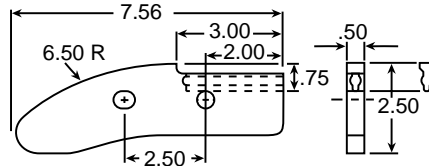
ValuFlex serpentine profiles slide into the return shoe's slot to ensure a smooth, trouble-free transition. Pinning the profile to the shoe is a safety precaution to prevent separation caused by a snag or broken chain segment.



## CRS-34

### Chain Return Shoe

For use with VF-CR-3834 profile. Designed with a generous entry radius to feed the chain smoothly onto the serpentine profile.



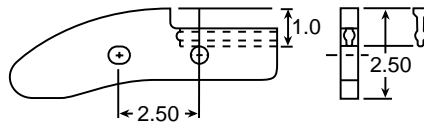
Material: UHMW.

Part Number	Profile	Ø Cross Rod (in.)
VF-CRS-34	VF-CR-3834	1/2
VF-CRS-34-58	VF-CR-3834	5/8
VF-CRS-34-916	VF-CR-3834	9/16*

## CRS-100

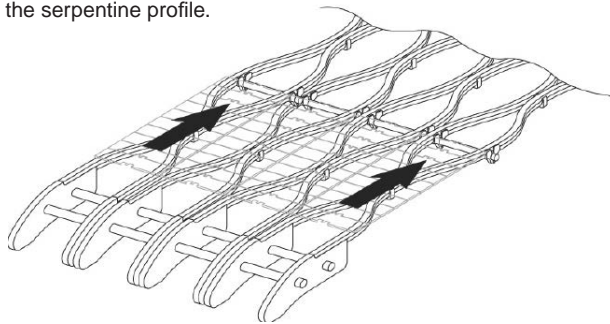
### Chain Return Shoe

For use with VF-CR-38100 profile. Designed with a generous entry radius to feed the chain smoothly onto the serpentine profile.

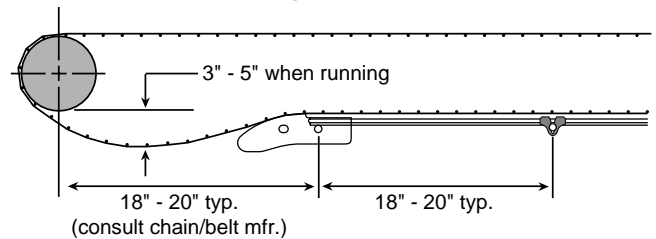


Part Number	Profile	Ø Cross Rod (in.)
VF-CRS-100	VF-CR-38100	1/2
VF-CRS-100-58	VF-CR-38100	5/8
VF-CRS-100-916	VF-CR-38100	9/16*

\* 1/4" sch. 80 pipe diameter



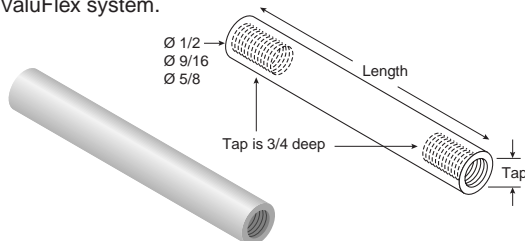
Shown are dimensional guidelines for positioning chain return shoes



## CR4

### Round Cross Rod

Commonly used as side-frame spacers and to support the entire ValuFlex system.



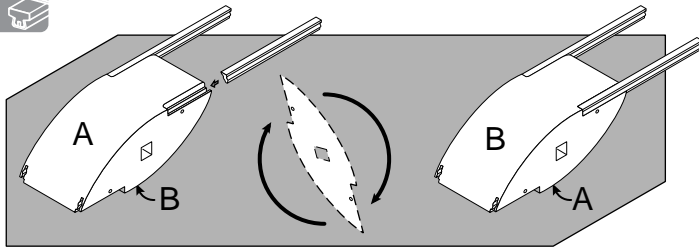
Material: 303 stainless steel.

Ø 1/2" Part Number	Length	Tap	Ø 9/16" Part Number	Length	Tap
VF-CR4-SS-0325-516	3.50	5/16-18	VF-CR4.5-SS-0325-38	3.50	3/8-16
VF-CR4-SS-0325-38	3.50	3/8-16	VF-CR4.5-SS-0400-38	4.25	3/8-16
VF-CR4-SS-0400-516	4.25	5/16-18	VF-CR4.5-SS-0450-38	4.75	3/8-16
VF-CR4-SS-0400-38	4.25	3/8-16	VF-CR4.5-SS-0600-38	6.25	3/8-16
VF-CR4-SS-0450-516	4.75	5/16-18	VF-CR4.5-SS-0750-38	7.75	3/8-16
VF-CR4-SS-0450-38	4.75	3/8-16			
VF-CR4-SS-0600-516	6.25	5/16-18			
VF-CR4-SS-0600-38	6.25	3/8-16			
VF-CR4-SS-0750-516	7.75	5/16-18			
VF-CR4-SS-0750-38	7.75	3/8-16			

Ø 5/8" Part Number	Length	Tap
VF-CR5-SS-0325-38	3.50	3/8-16
VF-CR5-SS-0400-38	4.25	3/8-16
VF-CR5-SS-0450-38	4.75	3/8-16
VF-CR5-SS-0600-38	6.25	3/8-16
VF-CR5-SS-0750-38	7.75	3/8-16

# Reversible Chain Return Shoes and Cross Rods

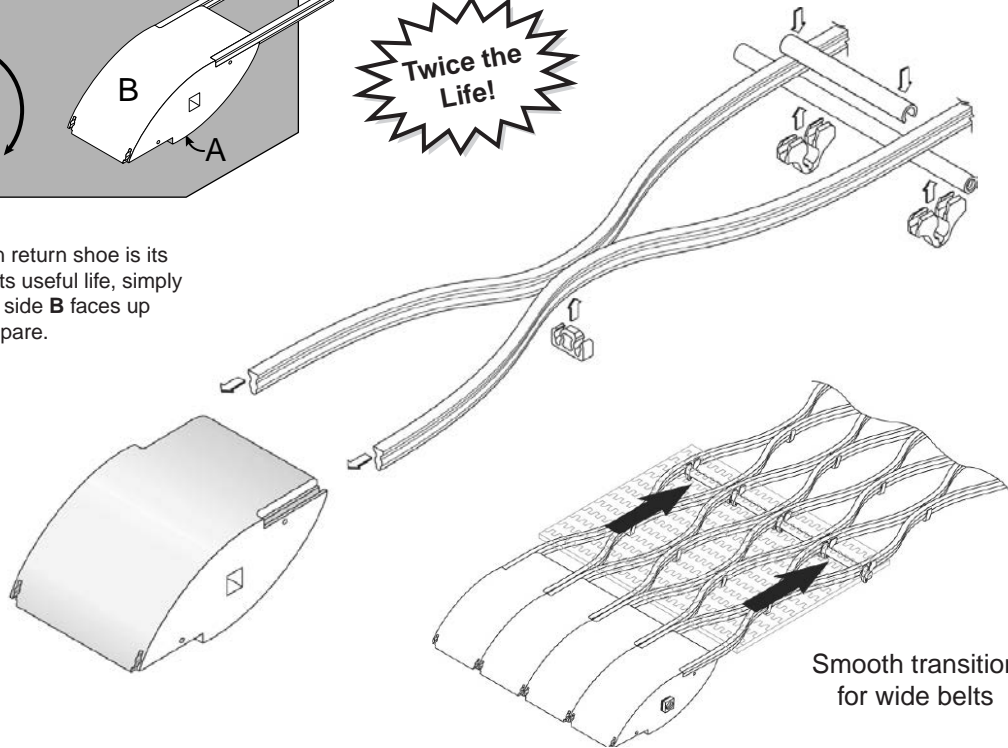


**Twice the Life!**

A unique, patented feature of this chain return shoe is its reversibility. When side **A** is worn past its useful life, simply unfasten the profile, rotate the shoe so side **B** faces up and reattach the profile - it's a built-in spare.



Patent # 5,310,047

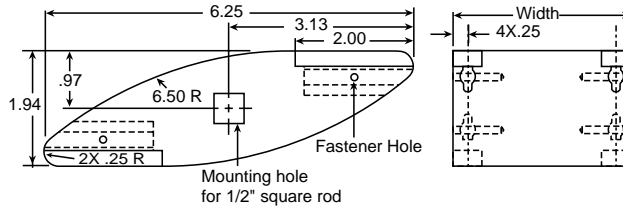


Smooth transition for wide belts

## CRSR-34

### Reversible Chain Return Shoe

For use with VF-CR-3834 profile. Designed primarily for slat-top hinged chains. Shoe can be used individually with the appropriate chain or ganged together for wider belts.



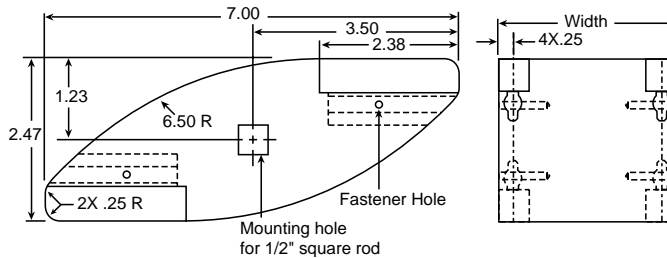
Material: UHMW.

Part Number	Width (in.)
VF-CRSR-34-0325	3
VF-CRSR-34-0400	3 3/4
VF-CRSR-34-0450	4 1/4
VF-CRSR-34-0600	5 3/4
VF-CRSR-34-0750	7

## CRSR-100

### Reversible Chain Return Shoe

For use with VF-CR-38100 profile. Designed primarily for slat-top hinged chains. Shoe can be used individually with the appropriate chain or ganged together for wider belts.



Part Number	Width (in.)
VF-CRSR-100-0325	3
VF-CRSR-100-0400	3 3/4
VF-CRSR-100-0450	4 1/4
VF-CRSR-100-0600	5 3/4
VF-CRSR-100-0750	7

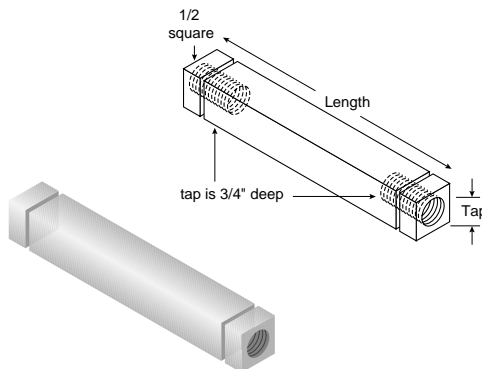
Material: 303 stainless steel.

Part Number	Length	Tap
VF-CRQ-SS-0325-516	3.50	5/16-18
VF-CRQ-SS-0325-38	3.50	3/8-16
VF-CRQ-SS-0400-516	4.25	5/16-18
VF-CRQ-SS-0400-38	4.25	3/8-16
VF-CRQ-SS-0450-516	4.75	5/16-18
VF-CRQ-SS-0450-38	4.75	3/8-16
VF-CRQ-SS-0600-516	6.25	5/16-18
VF-CRQ-SS-0600-38	6.25	3/8-16
VF-CRQ-SS-0750-516	7.75	5/16-18
VF-CRQ-SS-0750-38	7.75	3/8-16

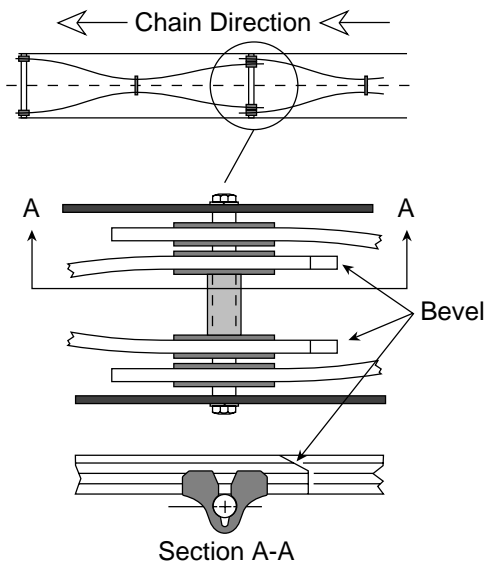
## CRQ

### Square Cross Rod

Used with VF-CRSR chain return shoes, they fit into a square slot in the return shoe which is easily centered with the snap rings provided.



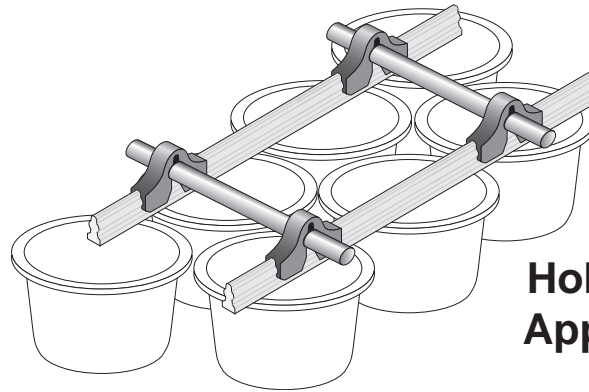




Splicing with the overlap method is quick and easy with ValuFlex.

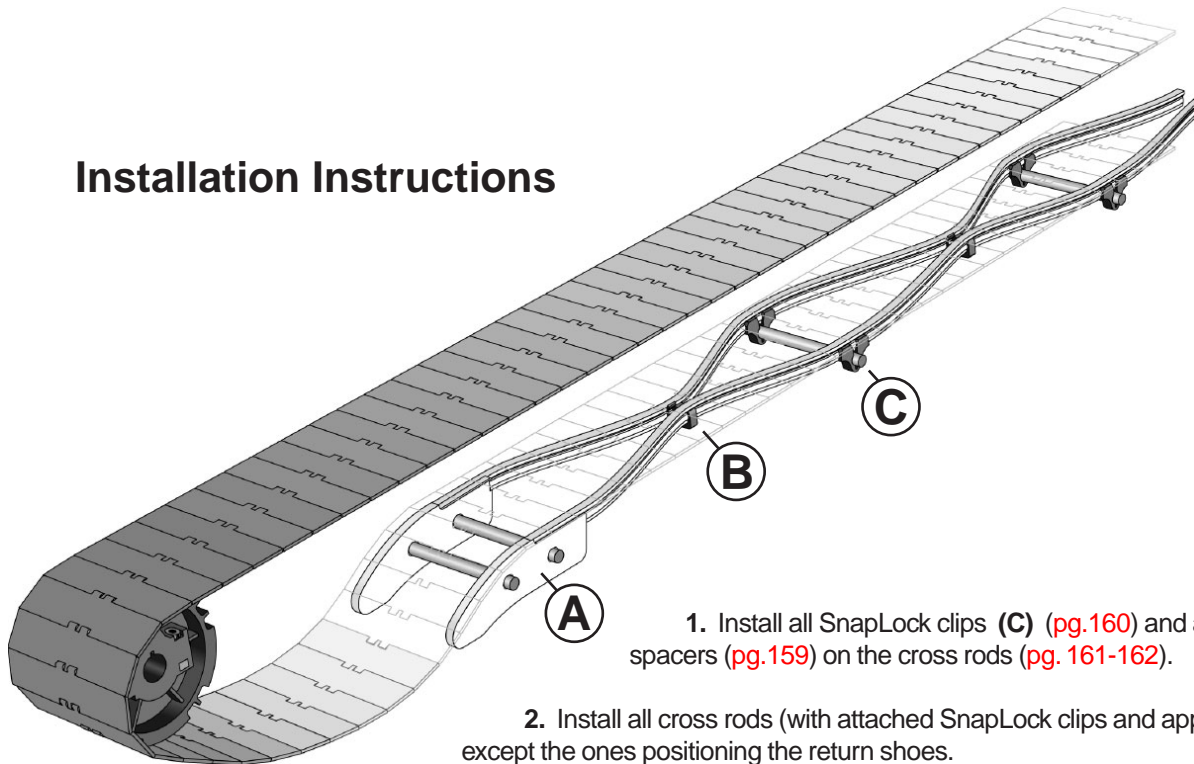
## Splicing

When necessary, splicing is quick, easy, and trouble-free. The overlap method pictured here is preferred. Pick a convenient cross rod and terminate the ValuFlex serpentine profiles 1" to 2" past the ends of the clips. Attach new clips on the same rod, inside those just mentioned. Begin the new ValuFlex profiles, again leaving 1" to 2" ahead of the clip. Before snapping the profiles into place, be sure to bevel the edges to avoid any possible snag by the chain or belt (as shown). Never try to butt-splice two profiles by joining them into the same clip.



## Hold-Down Application

## Installation Instructions



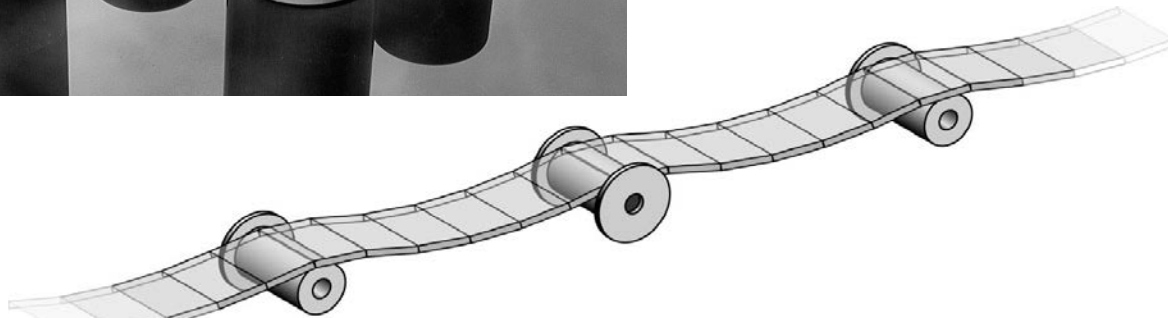
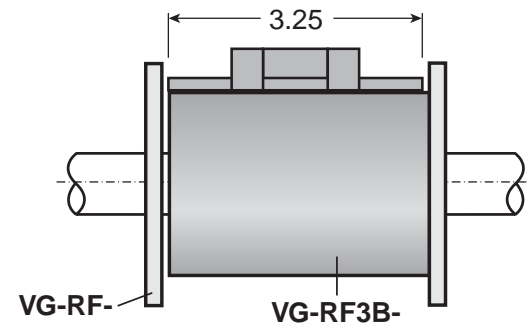
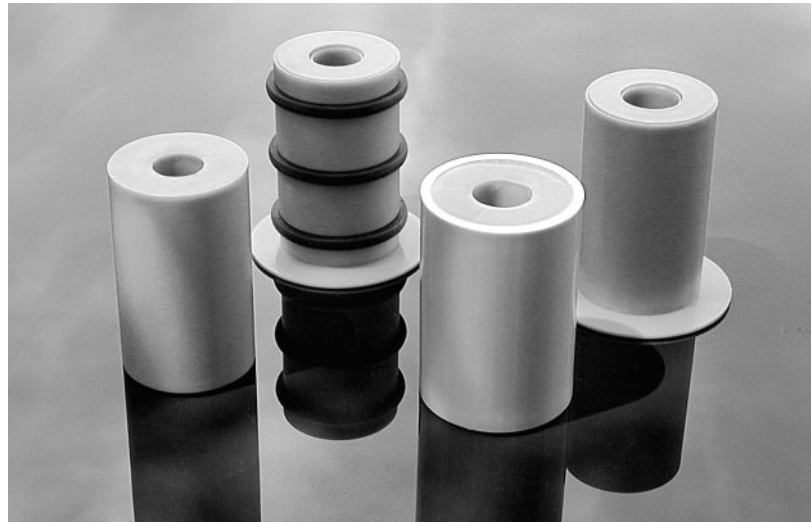
1. Install all SnapLock clips (C) (pg.160) and appropriate spacers (pg.159) on the cross rods (pg. 161-162).
2. Install all cross rods (with attached SnapLock clips and appropriate spacers) except the ones positioning the return shoes.
3. Thread the ValuFlex serpentine profiles (pg. 159) through the conveyor frame and fasten the profiles to the return shoes (A) (pg. 161-162).
4. Mount shoes on the appropriate cross rods and fasten the rods in place.
5. Starting at the return shoe, move to the next cross rod and snap the serpentine profile into the clips. If intermediate PinchLock clips (B) (pg. 160) are being used, install the first one now between the return shoe(s) and the first cross rod/SnapLock assembly.
6. Repeat this process, first installing the profile into the next cross rod/SnapLock clip assembly and then installing a PinchLock clip between two new secured rod locations.

## Return Rollers

Solus Industrial Innovations introduces new Valu Guide conveyor chain return rollers. Made from impact resistant material, these rollers are highly resistant to chemicals and have self lubricating characteristics. The roller components are ultrasonically welded to ensure watertight construction and long life. A urethane cover option is available for better traction, low noise, and long service life. Other options include rubber O-rings and side flanges.

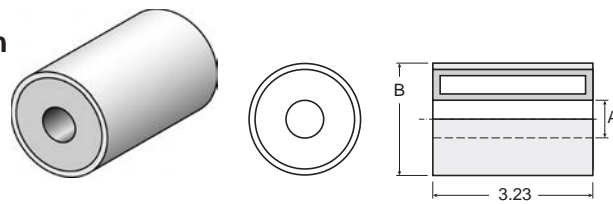
**NEW** *The Next Generation of conveyor chain return rollers!*

- Sanitary / Sealed
- Replacement for European Equipment
- Low Noise



### R3U

Return Roller with Urethane Surface

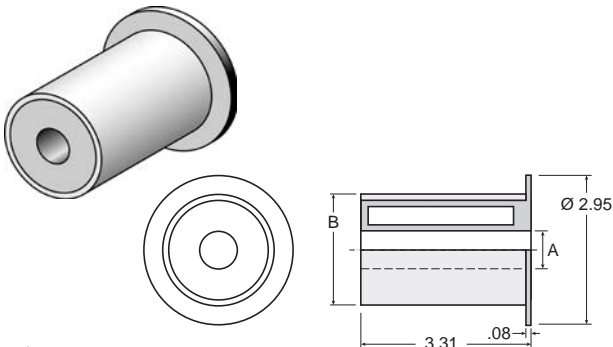


Material: Impact resistant HDPE with urethane cover.  
Colors: G=green, R=orange.

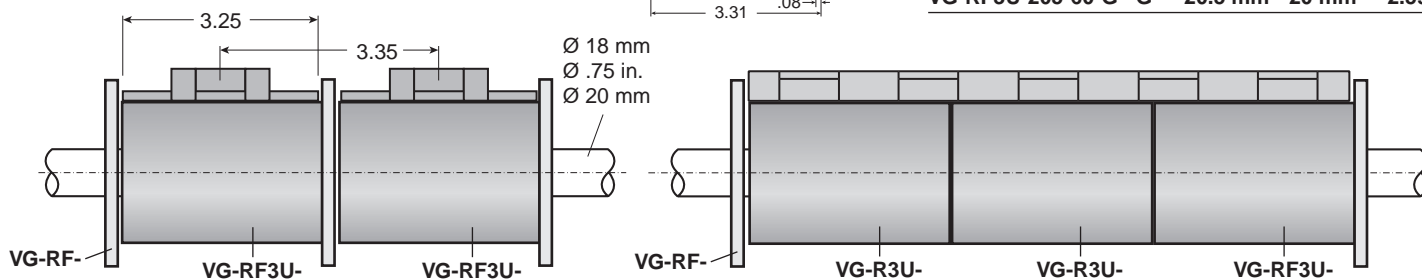
Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3U-185-50-G	G	18.5 mm	18 mm	2.20
VG-R3U-77-50-R	R	.77 in.	.75 in.	2.20
VG-R3U-205-50-G	G	20.5 mm	20 mm	2.20
VG-R3U-185-60-G	G	18.5 mm	18 mm	2.59
VG-R3U-77-60-R	R	.77 in.	.75 in.	2.59
VG-R3U-205-60-G	G	20.5 mm	20 mm	2.59

### RF3U

Return Roller with Flange and Urethane Surface



Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3U-185-50-G	G	18.5 mm	18 mm	2.20
VG-RF3U-77-50-R	R	.77 in.	.75 in.	2.20
VG-RF3U-205-50-G	G	20.5 mm	20 mm	2.20
VG-RF3U-185-60-G	G	18.5 mm	18 mm	2.59
VG-RF3U-77-60-R	R	.77 in.	.75 in.	2.59
VG-RF3U-205-60-G	G	20.5 mm	20 mm	2.59

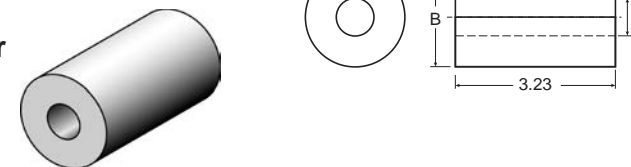


## Return Rollers

Material: Impact resistant HDPE.  
Colors: G=green, R=orange.

### R3

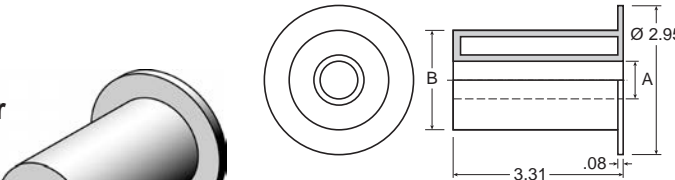
Return Roller



1.97 dia. version shown

### RF3

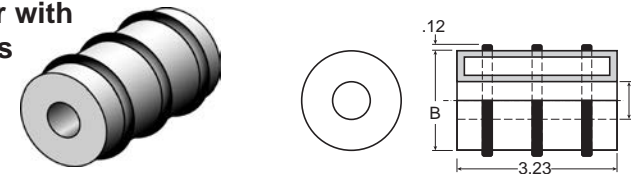
Return Roller with Flange



1.97 dia. version shown

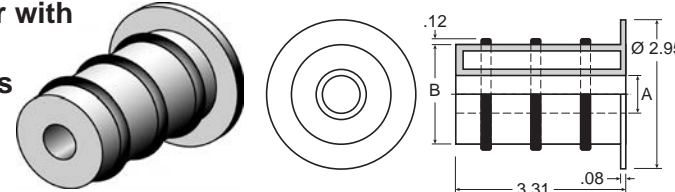
### R3B

Return Roller with Rubber Rings



### RF3B

Return Roller with Flange and Rubber Rings



Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3-185-50-G	G	18.5 mm	18 mm	1.97
VG-R3-77-50-R	R	.77 in.	.75 in.	1.97
VG-R3-205-50-G	G	20.5 mm	18 mm	1.97
VG-R3-185-60-G	G	18.5 mm	18 mm	2.36
VG-R3-77-60-R	R	.77 in.	.75 in.	2.36
VG-R3-205-60-G	G	20.5 mm	20 mm	2.36

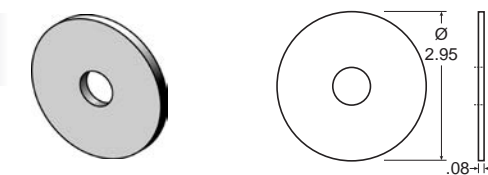
Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3-185-50-G	G	18.5 mm	18 mm	1.97
VG-RF3-77-50-R	R	.77 in.	.75 in.	1.97
VG-RF3-205-50-G	G	20.5 mm	18 mm	1.97
VG-RF3-185-60-G	G	18.5 mm	18 mm	2.36
VG-RF3-77-60-R	R	.77 in.	.75 in.	2.36
VG-RF3-205-60-G	G	20.5 mm	20 mm	2.36

Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3B-185-50-G	G	18.5 mm	18 mm	1.97
VG-R3B-77-50-R	R	.77 in.	.75 in.	1.97
VG-R3B-205-50-G	G	20.5 mm	18 mm	1.97
VG-R3B-185-60-G	G	18.5 mm	18 mm	2.36
VG-R3B-205-60-G	G	20.5 mm	20 mm	2.36

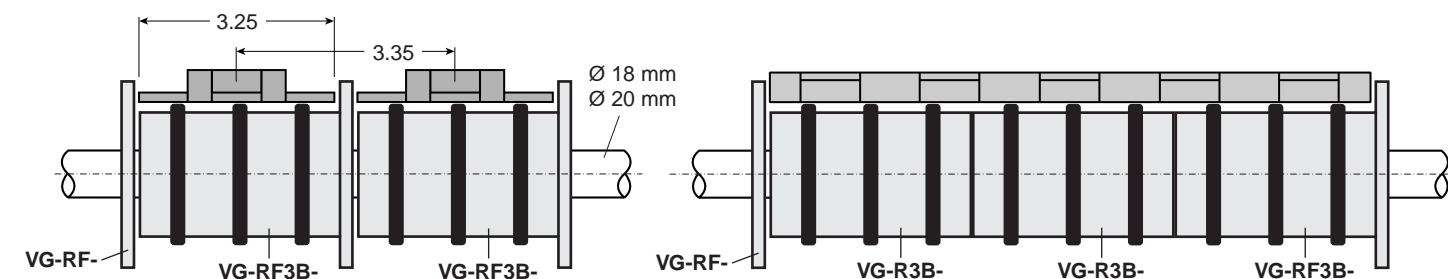
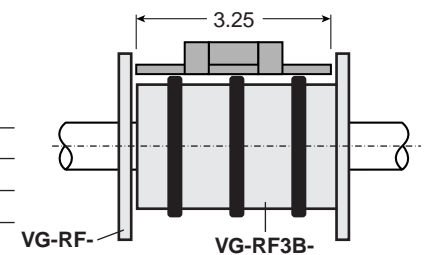
Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3B-185-50-G	G	18.5 mm	18 mm	1.97
VG-RF3B-205-50-G	G	20.5 mm	18 mm	1.97
VG-RF3B-185-60-G	G	18.5 mm	18 mm	2.36
VG-RF3B-205-60-G	G	20.5 mm	20 mm	2.36

### RF

Flange



Part Number	Color	Ø A
VG-RF-185-50-G	G	18.5 mm
VG-RF-77-50-R	R	.77 in.
VG-RF-205-50-G	G	20.5 mm





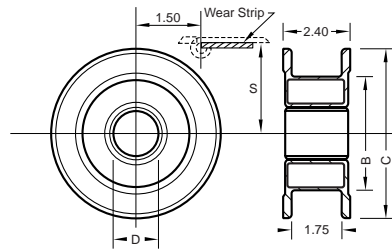
## Sprockets



### 800

#### Idler Wheel

For use with 815, 820, 831, or 879, 880, 881 bevel chain.



Material: Polyamide with Acetal Bore.

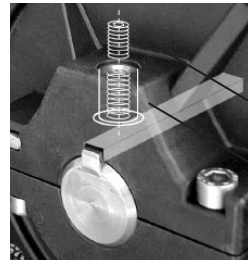
Part Number	Teeth Equiv.	B	C	S	D
VG-800-21-1	21	4.03	5.12	2.70	1.0
VG-800-21-1.25	21	4.03	5.12	2.70	1.25
VG-800-23-1	23	4.03	5.61	2.94	1.0
VG-800-23-1.25	23	4.03	5.61	2.94	1.25
VG-800-25-1	25	4.82	6.08	3.17	1.0
VG-800-25-1.25	25	4.82	6.08	3.17	1.25

The Next Generation of Idler Wheels!



Shaft Collars keep idler in position. See page 128.

Sanitary / Sealed



Stainless steel set screw

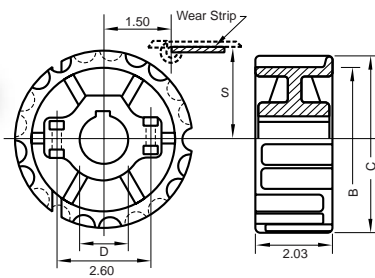
Nickel plated brass insert design resists pull-out



### 815

#### Split Sprocket

For use with 815 series chain.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

Part Number	Part No. w/ Set Screw	Teeth	B	C	S	D
VG-815-21P-1	VG-815L-21P-1	21	5.09	5.12	2.70	1.0
VG-815-21P-1.25	VG-815L-21P-1.25	21	5.09	5.12	2.70	1.25
VG-815-23P-1	VG-815L-23P-1	23	5.56	5.59	2.92	1.0
VG-815-23P-1.25	VG-815L-23P-1.25	23	5.56	5.59	2.92	1.25
VG-815-25P-1	VG-815L-25P-1	25	6.03	6.07	3.17	1.0
VG-815-25P-1.25	VG-815L-25P-1.25	25	6.03	6.07	3.17	1.25

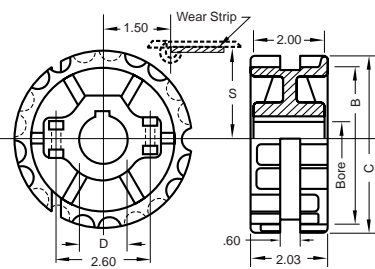
Full length key required for 1/4" keyway.



### 820

#### Split Sprocket

For use with straight running chain series 820, 831 and 815.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

Part Number	Part No. w/ Set Screw	Teeth	B	C	S	D
VG-820-21P-1	VG-820L-21P-1	21	5.09	5.12	2.70	1.0
VG-820-21P-1.25	VG-820L-21P-1.25	21	5.09	5.12	2.70	1.25
VG-820-23P-1	VG-820L-23P-1	23	5.56	5.59	2.92	1.0
VG-820-23P-1.25	VG-820L-23P-1.25	23	5.56	5.59	2.92	1.25
VG-820-25P-1	VG-820L-25P-1	25	6.03	6.07	3.17	1.0
VG-820-25P-1.25	VG-820L-25P-1.25	25	6.03	6.07	3.17	1.25

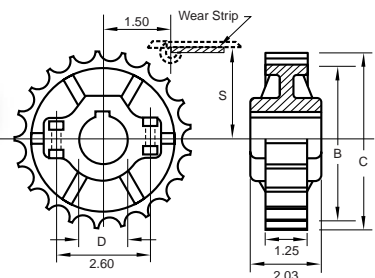
Full length key required for 1/4" keyway.



### 881

#### Split Sprocket

For use with chain series 881 and 881 Tab.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

Part Number	Part No. w/ Set Screw	Teeth	B	C	S	D
VG-881-21P-1	VG-881L-21P-1	21	5.09	5.12	2.70	1.0
VG-881-21P-1.25	VG-881L-21P-1.25	21	5.09	5.12	2.70	1.25
VG-881-23P-1	VG-881L-23P-1	23	5.56	5.59	2.92	1.0
VG-881-23P-1.25	VG-881L-23P-1.25	23	5.56	5.59	2.92	1.25
VG-881-25P-1	VG-881L-25P-1	25	6.03	6.07	3.17	1.0
VG-881-25P-1.25	VG-881L-25P-1.25	25	6.03	6.07	3.17	1.25

Full length key required for 1/4" keyway.

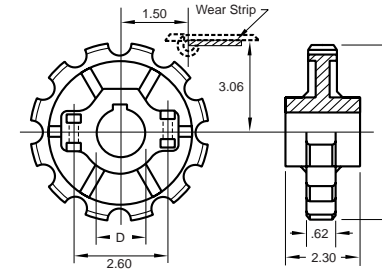


## Sprockets

### 880

#### Split Sprocket

For use with flex chain series 880 Tab.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

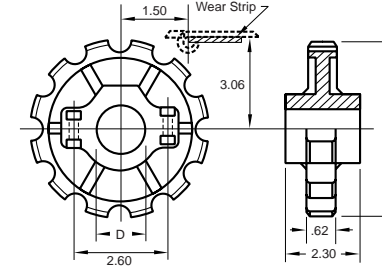
Part Number	Part No. w/ Set Screw	Teeth	D
VG-880-12P-1	VG-880L-12P-1	12	1.0
VG-880-12P-1.25	VG-880L-12P-1.25	12	1.25

Full length key required for 1/4" keyway.

### 880-IDL

#### Idler Sprocket (without keyway)

For use with flex chain series 880 Tab.



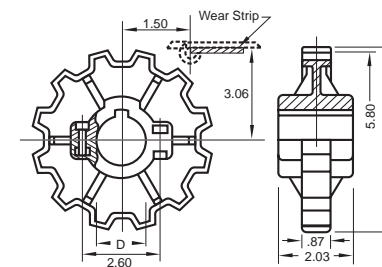
Material: Polyamide, 304 stainless steel hardware.

Part Number	Teeth	D
VG-880-12P-IDL-1	12	1.0
VG-880-12P-IDL-1.25	12	1.25

### 882

#### Split Sprocket

For use with side flex chain series 882, 882 Tab, and LBP882.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

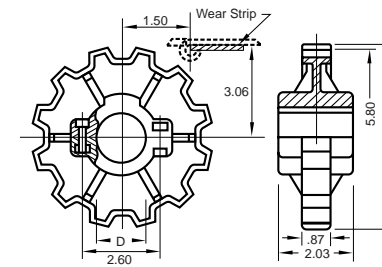
Part Number	Part No. w/ Set Screw	Teeth	D
VG-882-12P-1	VG-882L-12P-1	12	1.0
VG-882-12P-1.25	VG-882L-12P-1.25	12	1.25

Full length key required for 1/4" keyway.

### 882-IDL

#### Idler Sprocket (without keyway)

For use with side flex chain series 882, 882 Tab, and LBP882.



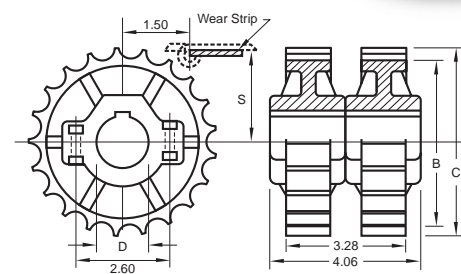
Material: Polyamide, 304 stainless steel hardware.

Part Number	Teeth	D
VG-882-12P-IDL-1	12	1.0
VG-882-12P-IDL-1.25	12	1.25

### 821

#### Drive Sprocket

For use with 821 series chain.



Material: Polyamide reinforced with fiberglass, 304 stainless steel hardware. U.S. standard key seat.

Part Number	Part No. w/ Set Screw	Teeth	B	C	S	D
VG-821-21P-1	VG-821L-21P-1	21	5.09	5.12	2.70	1.0
VG-821-21P-1.25	VG-821L-21P-1.25	21	5.09	5.12	2.70	1.25
VG-821-23P-1	VG-821L-23P-1	23	5.56	5.59	2.92	1.0
VG-821-23P-1.25	VG-821L-23P-1.25	23	5.56	5.59	2.92	1.25
VG-821-25P-1	VG-821L-25P-1	25	6.03	6.07	3.17	1.0
VG-821-25P-1.25	VG-821L-25P-1.25	25	6.03	6.07	3.17	1.25

Full length key required for 1/4" keyway.

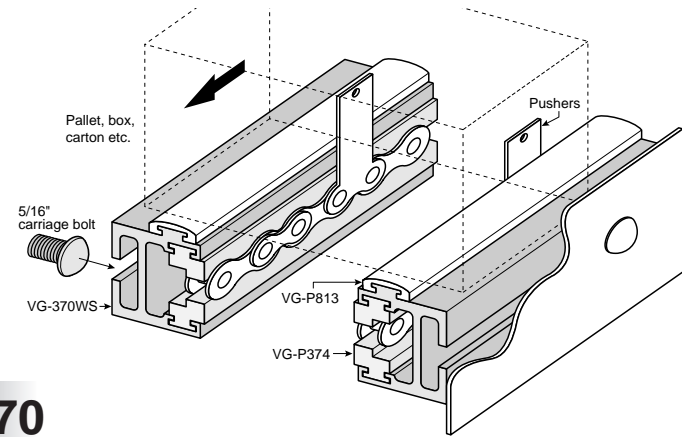


## Roller Chain Guide Assemblies

### Aluminum Channel Chain Guides

These aluminum extrusions with plastic wear strip inserts are designed to be roller chain guides with structural rigidity. The plastic inserts allow for the economical replacement of the chain guide wear surface without replacing the entire rail. These units will guide various ANSI roller chain sizes, depending upon the plastic insert used.

The insert is produced from Nolu-G, a UHMW product preferred for typical chain guiding applications. Standard color is green. Also, UHMW cover profiles can be fitted onto some aluminum designs to act as a low friction, guiding surface.



### 370

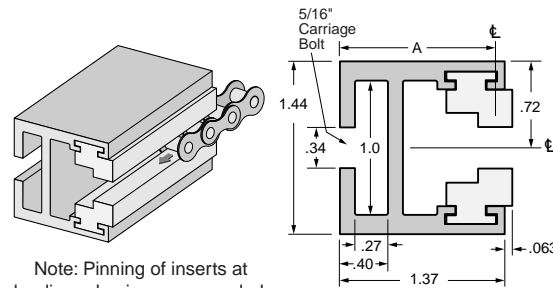
#### Chain Guide Assembly

Assembly includes aluminum extrusion and wear strips. These units can be configured to accept #40, #50 or #60 ANSI roller chains.

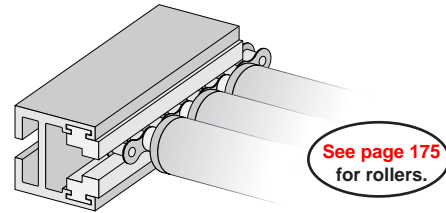
**Material:** Guide: aluminum. Insert: green UHMW.

8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	A	Chain#
VG-370-40-8	VG-370-40-10	VG-370-40-12	VG-370-40-20	1.28	40
VG-370-50-8	VG-370-50-10	VG-370-50-12	VG-370-50-20	1.25	50
VG-370-60-8	VG-370-60-10	VG-370-60-12	VG-370-60-20	1.19	60

GR-300 equivalent



Note: Pinning of inserts at leading edge is recommended.



### 370WS

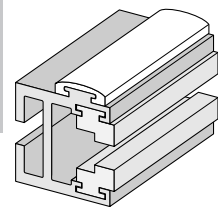
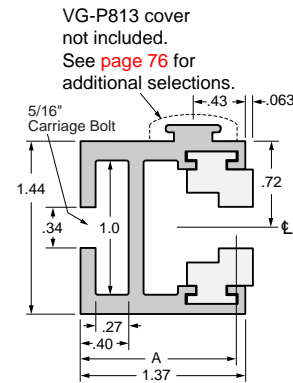
#### Chain Guide Assembly with Wear Strip

Assembly includes aluminum extrusion and wear strips. These units can be configured to accept #40, #50 or #60 ANSI roller chains.

**Material:** Guide: aluminum. Insert: green UHMW.

8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	A	Chain#
VG-370WS-40-8	VG-370WS-40-10	VG-370WS-40-12	VG-370WS-40-20	1.28	40
VG-370WS-50-8	VG-370WS-50-10	VG-370WS-50-12	VG-370WS-50-20	1.25	50
VG-370WS-60-8	VG-370WS-60-10	VG-370WS-60-12	VG-370WS-60-20	1.19	60

GR-310 equivalent



### 340-80

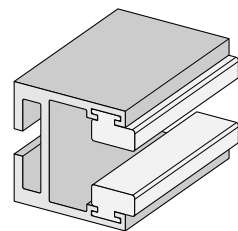
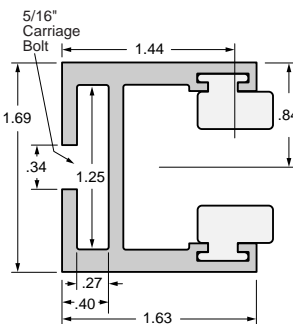
#### Chain Guide Assembly

Assembly includes aluminum extrusion and wear strips. These units can be configured to accept #80 ANSI roller chains.

**Material:** Guide: aluminum. Insert: green UHMW.

8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	Chain#
VG-340-80-8	VG-340-80-10	VG-340-80-12	VG-340-80-20	80

GR-340 equivalent



## Roller Chain Guides



### 340-PC

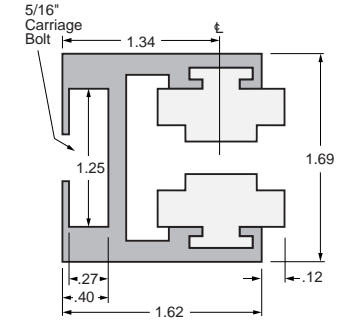
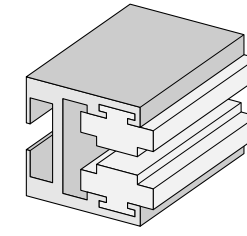
#### Chain Guide Assembly

Assembly includes aluminum extrusion and wear strips. Special chain track designed for use in can making systems to guide #60 high speed extended pin chain.

**Material:** Guide: aluminum. Insert: green UHMW.

8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	Chain#
VG-340-PC-60-8	VG-340-PC-60-10	VG-340-PC-60-12	VG-340-PC-60-20	60

GR-340-PC equivalent



### 360

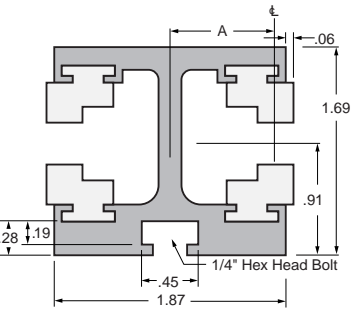
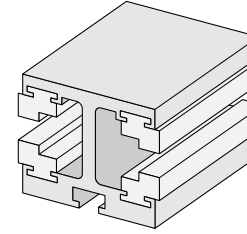
#### Double Chain Guide Assembly

Assembly includes aluminum extrusion and wear strips. These units can be configured to accept #40, #50 or #60 ANSI roller chains.

**Material:** Guide: aluminum. Insert: green UHMW.

8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	A	Chain#
VG-360-40-8	VG-360-40-10	VG-360-40-12	VG-360-40-20	.86	40
VG-360-50-8	VG-360-50-10	VG-360-50-12	VG-360-50-20	.83	50
VG-360-60-8	VG-360-60-10	VG-360-60-12	VG-360-60-20	.77	60

GR-360 equivalent



### 380

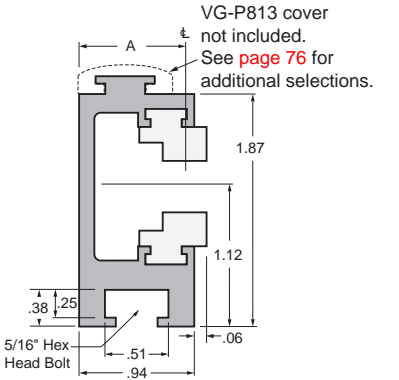
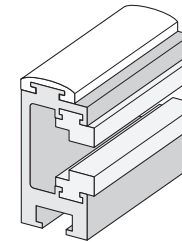
#### Vertical Chain Guide Assembly with Wear Strip

Assembly includes aluminum extrusion and wear strips for roller chain. Outer wear strip attachment is not included. These units can be configured to accept #50 or #60 ANSI roller chains.

**Material:** Guide: aluminum. Insert: green UHMW.

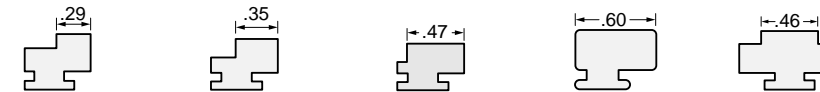
8ft. Part Number	10ft. Part Number	12ft. Part Number	20ft. Part Number	A	Chain#
VG-380-40-8	VG-380-40-10	VG-380-40-12	VG-380-40-20	.84	40
VG-380-50-8	VG-380-50-10	VG-380-50-12	VG-380-50-20	.81	50
VG-380-60-8	VG-380-60-10	VG-380-60-12	VG-380-60-20	.75	60

GR-380 equivalent



### P300 series

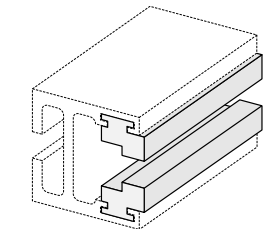
#### UHMW Inserts



**Material:** Green UHMW.

Part Number	Part Number	Part Number	Part Number	Part Number	Length (ft.)
VG-P374-8	VG-P375-8	VG-P376-8	VG-P379-8	VG-P378-8	8
VG-P374-10	VG-P375-10	VG-P376-10	VG-P379-10	VG-P378-10	10
VG-P374-12	VG-P375-12	VG-P376-12	VG-P379-12	VG-P378-12	12
VG-P374-20	VG-P375-20	VG-P376-20	VG-P379-20	VG-P378-20	20

Guides #40 and #2040 ANSI chain. Used with 360, 370, 370WS & 380 series aluminum channel.	Guides #50 and #2050 ANSI chain. Used with 360, 370, 370WS & 380 series aluminum channel.	Guides #60 and #2060 ANSI chain. Used with 360, 370, 370WS & 380 series aluminum channel.	Guides #80 and 2080 ANSI chain. Used with 340 series aluminum channel.	Guides #60 and #2060 ANSI chain. Used with 340-PC series aluminum channel.
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**Shipping Information:** UHMW covers and inserts are typically shipped straight in tubes. 8' lengths can be shipped UPS. Standard 10' or 20' lengths are shipped by common carrier. Selected items can be coiled into cartons for more convenient shipping.

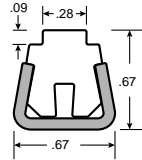
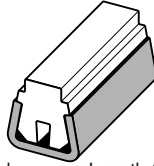


# Roller Chain Guide Rail

## #40

### Chain Guide

Wear strip and guide for #40 ANSI single roller chains.

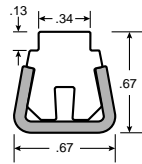
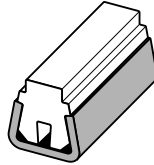


Stainless	Galvanized	Length (ft.)
VG-SSCG-#40-8	VG-GSCG-#40-8	8
VG-SSCG-#40-10	VG-GSCG-#40-10	10
VG-SSCG-#40-12	VG-GSCG-#40-12	12
VG-SSCG-#40-20	VG-GSCG-#40-20	20

## #50

### Chain Guide

Wear strip and guide for #50 ANSI single roller chains.

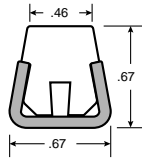
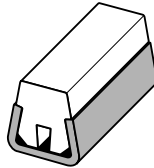


VG-SSCG-#50-8	VG-GSCG-#50-8	8
VG-SSCG-#50-10	VG-GSCG-#50-10	10
VG-SSCG-#50-12	VG-GSCG-#50-12	12
VG-SSCG-#50-20	VG-GSCG-#50-20	20

## #60

### Chain Guide

Wear strip and guide for #60 ANSI single roller chains. Can also be used as side rail or wear strip when a wider surface contact is required.

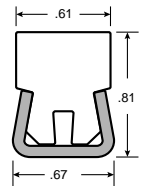
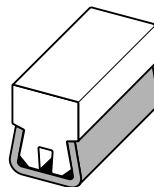


VG-SSF-8	VG-GSF-8	8
VG-SSF-10	VG-GSF-10	10
VG-SSF-12	VG-GSF-12	12
VG-SSF-20	VG-GSF-20	20

## #80

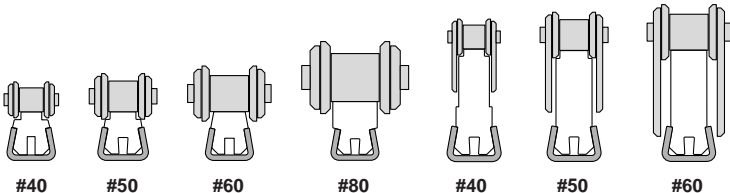
### Chain Guide

Wear strip and guide for #80 ANSI single roller chains.



VG-SSCG-#80-8	VG-GSCG-#80-8	8
VG-SSCG-#80-10	VG-GSCG-#80-10	10
VG-SSCG-#80-12	VG-GSCG-#80-12	12
VG-SSCG-#80-20	VG-GSCG-#80-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order.

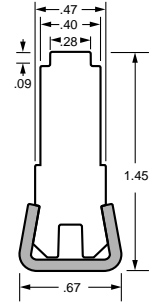
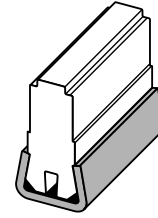


Material: Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is UHMW.

## #40

### Extended Chain Guide

Wear strip and guide for #40 ANSI single roller chains.

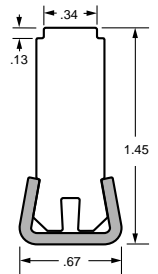
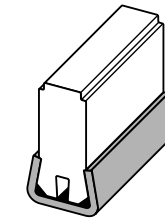


Stainless	Galvanized	Length (ft.)
VG-SSECG-#40-8	VG-GSECG-#40-8	8
VG-SSECG-#40-10	VG-GSECG-#40-10	10
VG-SSECG-#40-12	VG-GSECG-#40-12	12
VG-SSECG-#40-20	VG-GSECG-#40-20	20

## #50

### Extended Chain Guide

Wear strip and guide for #50 ANSI single roller chains.

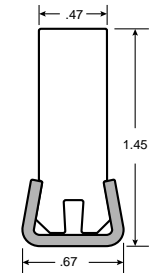
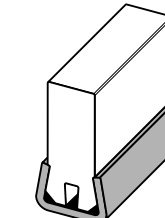


VG-SSECG-#50-8	VG-GSECG-#50-8	8
VG-SSECG-#50-10	VG-GSECG-#50-10	10
VG-SSECG-#50-12	VG-GSECG-#50-12	12
VG-SSECG-#50-20	VG-GSECG-#50-20	20

## #60

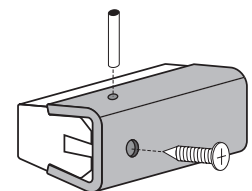
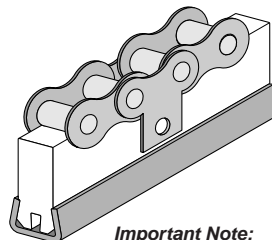
### Extended Chain Guide

Wear strip and guide for #60 ANSI single roller chains.



VG-SSECG-#60-8	VG-GSECG-#60-8	8
VG-SSECG-#60-10	VG-GSECG-#60-10	10
VG-SSECG-#60-12	VG-GSECG-#60-12	12
VG-SSECG-#60-20	VG-GSECG-#60-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order.



#### Important Note:

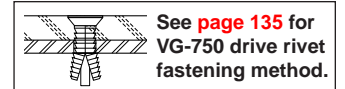
When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.

# Roller Chain Guides

## Chain Track

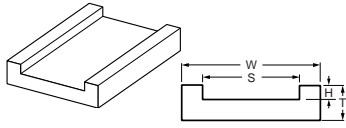
Standard plastic tracks are primarily used to guide and support ANSI double pitch chain in packaging and drag chain conveying systems. Experience has shown that the best way to distribute the load and increase capacity is to support these chains on a flat edge of the side plates. These UHMW based products provide low friction surfaces with outstanding wear resistance when the load is distributed in this manner.

Material: White UHMW, Nolu-S or Nylatron.



### Straight

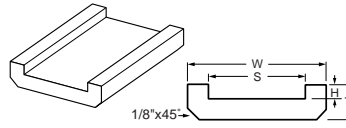
## HA



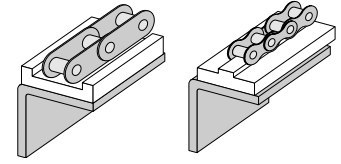
UHMW	Nolu-S	Nylatron
HA-2040-5	SA-2040-5	NA-2040-5
HA-2040-10	SA-2040-10	NA-2040-10
HA-2050-5	SA-2050-5	NA-2050-5
HA-2050-10	SA-2050-10	NA-2050-10
HA-2060-5	SA-2060-5	NA-2060-5
HA-2060-10	SA-2060-10	NA-2060-10
HA-2080-5	SA-2080-5	NA-2080-5
HA-2080-10	SA-2080-10	NA-2080-10
HA-2100-5	SA-2100-5	NA-2100-5
HA-2100-10	SA-2100-10	NA-2100-10
HA-2120-5	SA-2120-5	NA-2120-5
HA-2120-10	SA-2120-10	NA-2120-10

### Chamfer

## HB

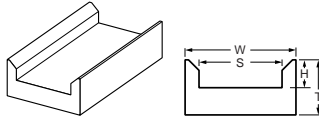


UHMW w/ Chamfer	Nolu-S w/ Chamfer	Nylatron w/ Chamfer
HB-2040-5	SB-2040-5	NB-2040-5
HB-2040-10	SB-2040-10	NB-2040-10
HB-2050-5	SB-2050-5	NB-2050-5
HB-2050-10	SB-2050-10	NB-2050-10
HB-2060-5	SB-2060-5	NB-2060-5
HB-2060-10	SB-2060-10	NB-2060-10
HB-2080-5	SB-2080-5	NB-2080-5
HB-2080-10	SB-2080-10	NB-2080-10
HB-2100-5	SB-2100-5	NB-2100-5
HB-2100-10	SB-2100-10	NB-2100-10
HB-2120-5	SB-2120-5	NB-2120-5
HB-2120-10	SB-2120-10	NB-2120-10



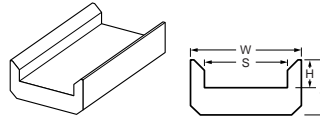
T	W	H	S	Chain Size	Length (ft.)
5/16	1-1/4	1/8	7/8	40	5
5/16	1-1/4	1/8	7/8	40	10
3/8	1-1/4	5/32	1	50	5
3/8	1-1/4	5/32	1	50	10
3/8	1-1/2	3/16	1-1/4	60	5
3/8	1-1/2	3/16	1-1/4	60	10
1/2	2	1/4	1-9/16	80	5
1/2	2	1/4	1-9/16	80	10
5/8	2-1/4	5/16	1-7/8	100	5
5/8	2-1/4	5/16	1-7/8	100	10
5/8	2-3/4	3/8	2-1/4	120	5
5/8	2-3/4	3/8	2-1/4	120	10

## HC



UHMW	Nolu-S	Nylatron
HC-2040-5	SC-2040-5	NC-2040-5
HC-2040-10	SC-2040-10	NC-2040-10
HC-2050-5	SC-2050-5	NC-2050-5
HC-2050-10	SC-2050-10	NC-2050-10
HC-2060-5	SC-2060-5	NC-2060-5
HC-2060-10	SC-2060-10	NC-2060-10
HC-2080-5	SC-2080-5	NC-2080-5
HC-2080-10	SC-2080-10	NC-2080-10
HC-2100-5	SC-2100-5	NC-2100-5
HC-2100-10	SC-2100-10	NC-2100-10
HC-2120-5	SC-2120-5	NC-2120-5
HC-2120-10	SC-2120-10	NC-2120-10

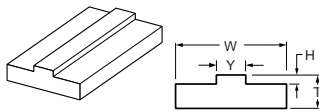
## HD



UHMW w/ Chamfer	Nolu-S w/ Chamfer	Nylatron w/ Chamfer
HD-2040-5	SD-2040-5	ND-2040-5
HD-2040-10	SD-2040-10	ND-2040-10
HD-2050-5	SD-2050-5	ND-2050-5
HD-2050-10	SD-2050-10	ND-2050-10
HD-2060-5	SD-2060-5	ND-2060-5
HD-2060-10	SD-2060-10	ND-2060-10
HD-2080-5	SD-2080-5	ND-2080-5
HD-2080-10	SD-2080-10	ND-2080-10
HD-2100-5	SD-2100-5	ND-2100-5
HD-2100-10	SD-2100-10	ND-2100-10
HD-2120-5	SD-2120-5	ND-2120-5
HD-2120-10	SD-2120-10	ND-2120-10

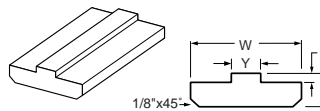
T	W	H	S	Chain Size	Length (ft.)
1/2	1	1/4	3/4	40	5
1/2	1	1/4	3/4	40	10
1/2	1-1/4	9/32	1	50	5
1/2	1-1/4	9/32	1	50	10
5/8	1-1/2	5/16	1-1/4	60	5
5/8	1-1/2	5/16	1-1/4	60	10
5/8	2	3/8	1-1/2	80	5
5/8	2	3/8	1-1/2	80	10
3/4	2-1/4	7/16	1-13/16	100	5
3/4	2-1/4	7/16	1-13/16	100	10
7/8	3	9/16	2-1/4	120	5
7/8	3	9/16	2-1/4	120	10

## HE



UHMW	Nolu-S	Nylatron
HE-2040-5	SE-2040-5	NE-2040-5
HE-2040-10	SE-2040-10	NE-2040-10
HE-2050-5	SE-2050-5	NE-2050-5
HE-2050-10	SE-2050-10	NE-2050-10
HE-2060-5	SE-2060-5	NE-2060-5
HE-2060-10	SE-2060-10	NE-2060-10
HE-2080-5	SE-2080-5	NE-2080-5
HE-2080-10	SE-2080-10	NE-2080-10
HE-2100-5	SE-2100-5	NE-2100-5
HE-2100-10	SE-2100-10	NE-2100-10
HE-2120-5	SE-2120-5	NE-2120-5
HE-2120-10	SE-2120-10	NE-2120-10

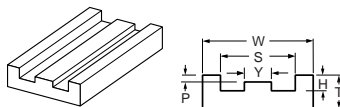
## HF



UHMW w/ Chamfer	Nolu-S w/ Chamfer	Nylatron w/ Chamfer
HF-2040-5	SF-2040-5	NF-2040-5
HF-2040-10	SF-2040-10	NF-2040-10
HF-2050-5	SF-2050-5	NF-2050-5
HF-2050-10	SF-2050-10	NF-2050-10
HF-2060-5	SF-2060-5	NF-2060-5
HF-2060-10	SF-2060-10	NF-2060-10
HF-2080-5	SF-2080-5	NF-2080-5
HF-2080-10	SF-2080-10	NF-2080-10
HF-2100-5	SF-2100-5	NF-2100-5
HF-2100-10	SF-2100-10	NF-2100-10
HF-2120-5	SF-2120-5	NF-2120-5
HF-2120-10	SF-2120-10	NF-2120-10

T	W	H	Y	Chain Size	Length (ft.)
5/16	1	.08	1/4	40	10
5/16	1	.08	1/4	40	10
5/16	1-1/4	.10	5/16	50	10
5/16	1-1/4	.10	5/16	50	10
5/16	1-1/4	.115	7/16	60	10
5/16	1-1/4	.115	7/16	60	10
3/8	1-1/2	.13	9/16	80	10
3/8	1-1/2	.13	9/16	80	10
1/2	2	.21	11/16	100	10
1/2	2	.21	11/16	100	10
1/2	2-1/4	.26	15/16	120	10
1/2	2-1/4	.26	15/16	120	10

## HG



UHMW	Nolu-S	Nylatron
HG-2040-5	SG-2040-5	NG-2040-5
HG-2040-10	SG-2040-10	NG-2040-10
HG-2050-5	SG-2050-5	NG-2050-5
HG-2050-10	SG-2050-10	NG-2050-10
HG-2060-5	SG-2060-5	NG-2060-5
HG-2060-10	SG-2060-10	NG-2060-10
HG-2080-5	SG-2080-5	NG-2080-5
HG-2080-10	SG-2080-10	NG-2080-10

T	W	H	P	S	Y	Chain Size	Length (ft.)
5/16	1	.14	.08	11/16	1/4	40	5
5/16	1	.14	.08	11/16	1/4	40	10
3/8	1-1/4	3/16	.10	13/16	5/16	50	5
3/8	1-1/4	3/16	.10	13/16	5/16	50	10
1/2	1-1/2	.213	.115	1-1/8	7/16	60	5
1/2	1-1/2	.213	.115	1-1/8	7/16	60	10
1/2	2	1/4	.13	1-7/16	9/16	80	5
1/2	2	1/4	.13	1-7/16	9/16	80	10

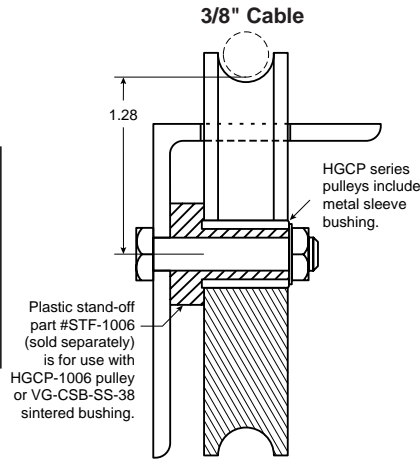
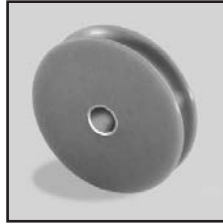


# Cable Pulleys

## HGCP

### Cable Pulley with Metal Sleeve Bushing

Made from a special grade of UHMW polymer to produce a tough, abrasion resistant, low friction pulley that provides long corrosion free service with a significant reduction in noise levels. Custom designs available. Shown is a standard 3/8" cable pulley with different mounting bolt diameters. Pulleys are supplied with a stainless steel powdered metal sleeve to form an axle after assembly. A nut, bolt and washer can be supplied if needed.



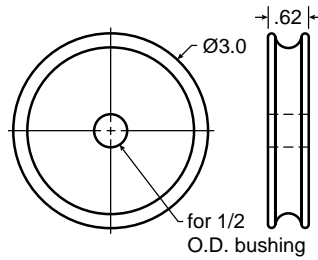
**Material:** Green UHMW.

Part Number	Ø Bolt
HGCP-1004	1/4
HGCP-1005	5/16
HGCP-1006	3/8

## CS

### Cable Pulley Only

Corrosion resistant and long lasting design offers quiet and smooth operation. An ideal replacement for all types of cable conveyors. The pulleys are available with a variety of stainless steel bushings.



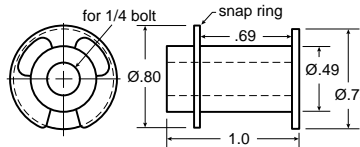
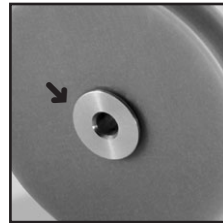
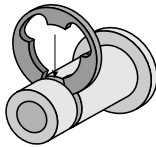
**Material:** Green UHMW.

Part Number	
VG-CS-3.0	

## CSFB

### Machined Bushing

1/4 bolts only. Snap rings included.



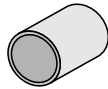
**Material:** 303 stainless steel.

Part Number	Ø Bolt
VG-CSFB-SS-14	1/4

## CSB

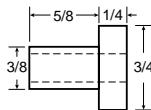
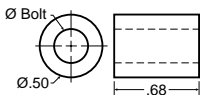
### Sintered Bushing

VG-CSB-SS-38 is for use with flanged spacer.



### Flanged Spacer

For use with HGCP-1006 pulley or VG-CSB-SS-38 sintered bushing.



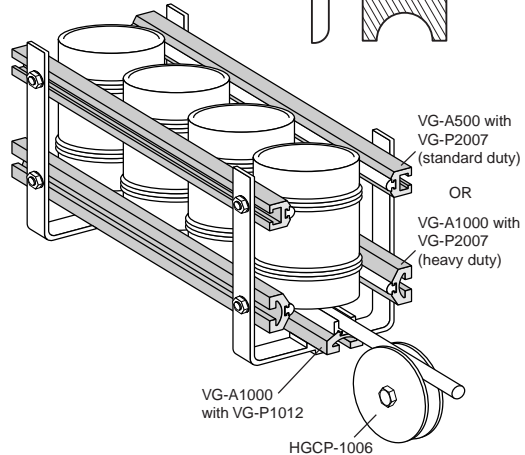
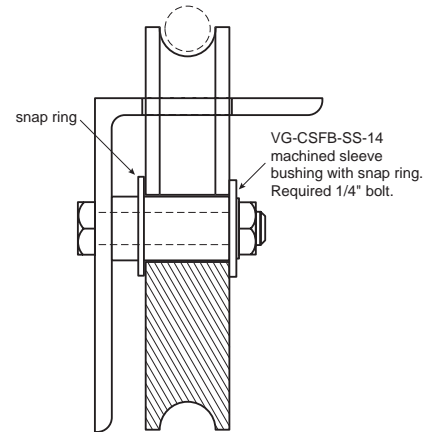
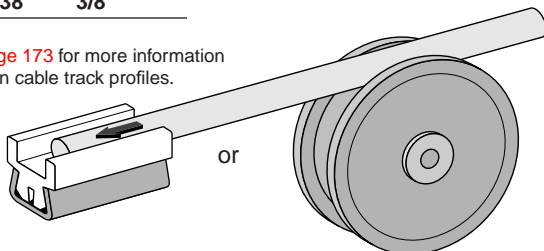
**Material:** Sintered stainless steel.

Part Number	Ø Bolt
VG-CSB-SS-14	1/4
VG-CSB-SS-516	5/16
VG-CSB-SS-38	3/8

**Material:** Polypropylene.

Part Number	Ø Bolt
STF-1006	1/4

See page 173 for more information on cable track profiles.



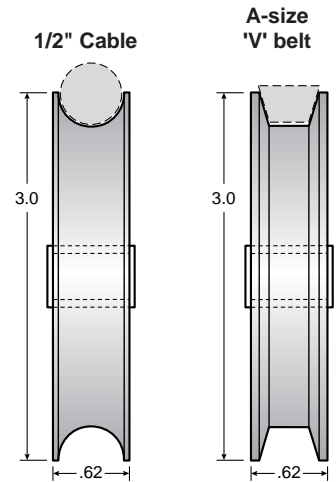


## Additional Cable Pulley Sizes

Made from a special grade of UHMW polymer to produce a tough, abrasion resistant, low friction pulley that provides long corrosion free service with a significant reduction in noise levels. A stainless steel powdered metal sleeve to form an axle after assembly is supplied. Pulleys can also be designed to your specifications by contacting our engineering department.

**Material:** Green UHMW.

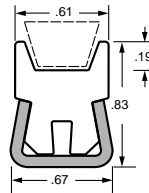
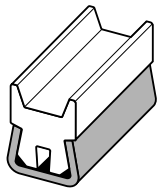
1/2" Cable Part Number	A-size V-belt Part Number	Ø Bolt
HGCP-12-1004	HGCP-AV-1004	1/4
HGCP-12-1005	HGCP-AV-1005	5/16
HGCP-12-1006	HGCP-AV-1006	3/8



## VBG-.61

### V-Belt Guide

Wear strip and guide for "A" section Vee belts.



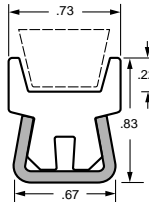
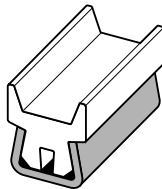
**Material:** Sheath is 304 stainless steel or galvanized steel, 14 gauge. Insert is UHMW.

Steel Sheath		Length (ft.)
Stainless	Galvanized	
VG-SSVBG-.61A-8	VG-GSVBG-.61A-8	8
VG-SSVBG-.61A-10	VG-GSVBG-.61A-10	10
VG-SSVBG-.61A-12	VG-GSVBG-.61A-12	12
VG-SSVBG-.61A-20	VG-GSVBG-.61A-20	20

## VBG-.75

### V-Belt Guide

Wear strip and guide for "B" section Vee belts.

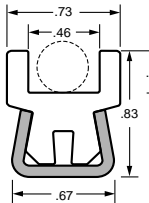
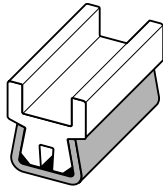


VG-SSVBG-.75B-8	VG-GSVBG-.75B-8	8
VG-SSVBG-.75B-10	VG-GSVBG-.75B-10	10
VG-SSVBG-.75B-12	VG-GSVBG-.75B-12	12
VG-SSVBG-.75B-20	VG-GSVBG-.75B-20	20

## CT

### Cable Track

A positive guide and wear surface for 3/8 dia. cable track runs. Replaces the cable pulleys on the working side of the cable.

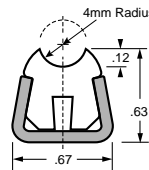
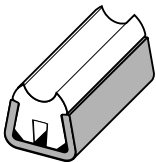


VG-SSCT-8	VG-GSCT-8	8
VG-SSCT-10	VG-GSCT-10	10
VG-SSCT-12	VG-GSCT-12	12
VG-SSCT-20	VG-GSCT-20	20

## RBG

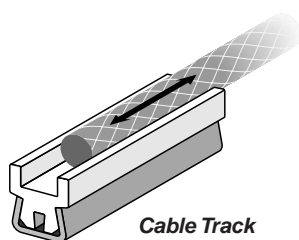
### Round Belt Guide

Support for 8mm diameter cable. Provides positive tracking for cables used in conveying light containers.

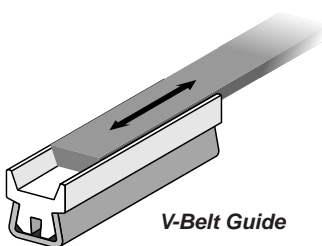


VG-SSRBG-8	VG-GSRBG-8	8
VG-SSRBG-10	VG-GSRBG-10	10
VG-SSRBG-12	VG-GSRBG-12	12
VG-SSRBG-20	VG-GSRBG-20	20

\*4, 5 and 6 ft. lengths are also available. Other lengths can be cut to order.



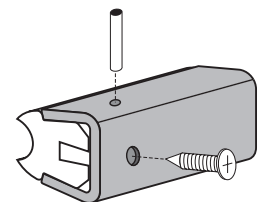
Cable Track



V-Belt Guide

### Important Note:

When Valu Guide Rail is used as a wear strip, the UHMW insert should be fastened to the metal sheath at the leading end of the rail. Using a sheet metal screw through the back of the sheath or a heavy wire pin from the side should be adequate. This will prevent the insert from sliding within the sheath in the event the chain accidentally catches on a leading edge. This also allows for thermal expansion and contraction of the UHMW insert.



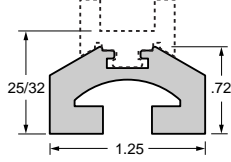
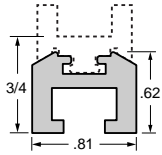
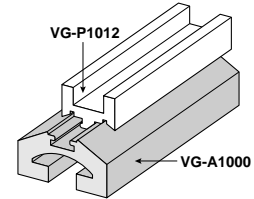
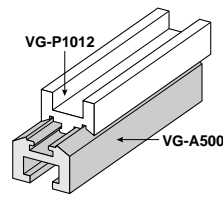




# Cable Guides

## Cable Guides

The following aluminum extrusions can be used with the UHMW insert listed in this group. These rails are commonly used as cable guides for conveying. Part number VG-A500 fastens with a 5/16 hex head bolt, and part number VG-A1000 fastens with a 3/8 carriage bolt (bolts not included).

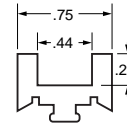


Material: Aluminum.

Part Number	Length(ft.)
VG-A500-10	10
VG-A500-20	20

GR-500 equivalent.  
Also shown with Guide Rail on page 75.

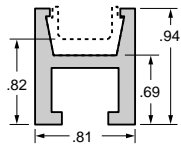
GR-1000 equivalent.  
Also shown with Guide Rail on page 75.



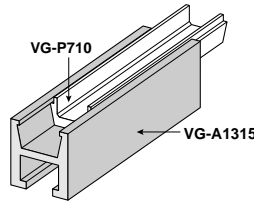
Material: UHMW.

Part Number	Length(ft.)
VG-P1012-10	10
VG-P1012-20	20

HSS-1012 equivalent.



Material: Aluminum.



Material: UHMW.

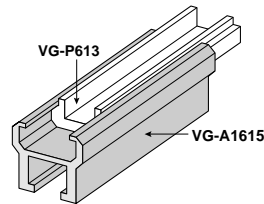
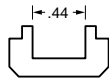
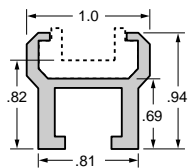
Part Number	Length(ft.)
VG-A1315-10	10
VG-A1315-20	20

GT-1315 equivalent.

Part Number	Length(ft.)
VG-P710-10	10
VG-P710-20	20

HSS-0710 equivalent.

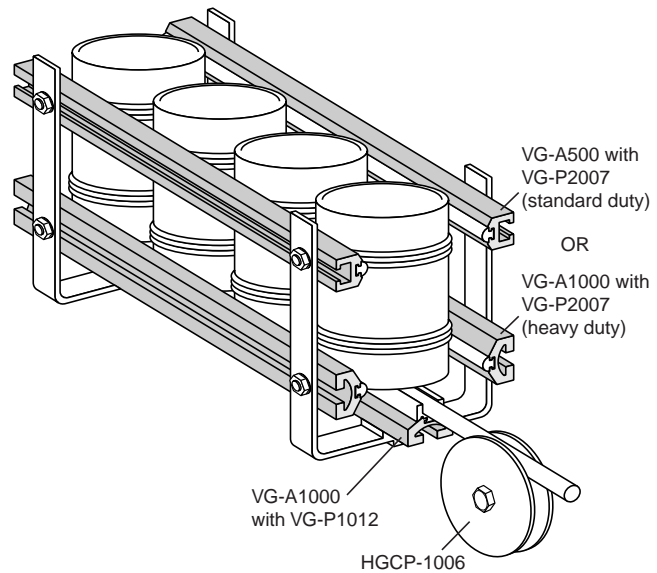
Conveyor Chain Guides & Wear Strips



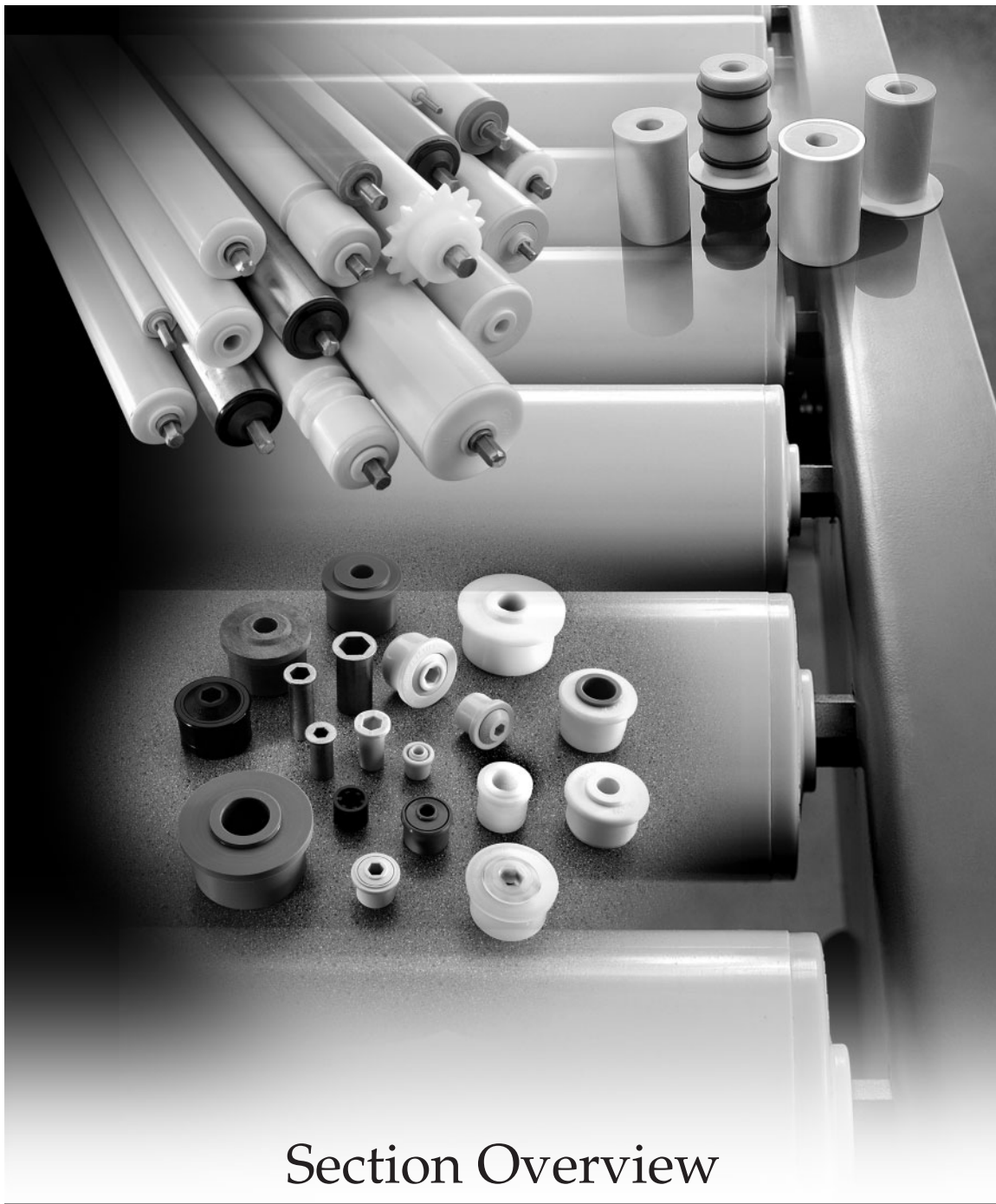
Length(ft.)

Part Number	Length(ft.)
VG-A1615-10	10
VG-A1615-20	20

GTK-1615 equivalent. HSS-0613 equivalent.



# Conveyor Rollers

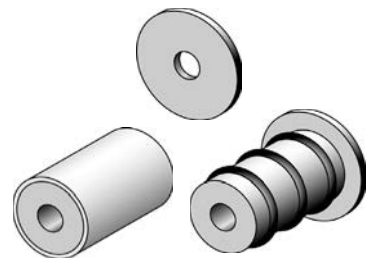


## Section Overview

Standard Roller Selection ... Page **178**

Custom Roller Selection ... Page **182**

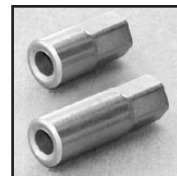
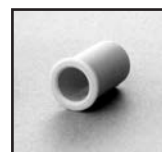
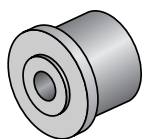
- |                        |                    |
|------------------------|--------------------|
| Sleeve Bearing Rollers | Thru Bore Rollers  |
| Ball Bearing Rollers   | Blind Bore Rollers |
| Belt Driven Rollers    | Sealed End Rollers |
| Tapered Rollers        | PVC Rollers        |
| Sprocket Rollers       | Metal Rollers      |



Return Rollers ... Page **176**

Roller Components ... Page **192**

- Roller End Bearings
- ABS End Cap
- NoLu-S End Cap Insert
- Shaft Adapters
- Conveyor Roll Pins
- Ball Bearings
- Machined Bearings

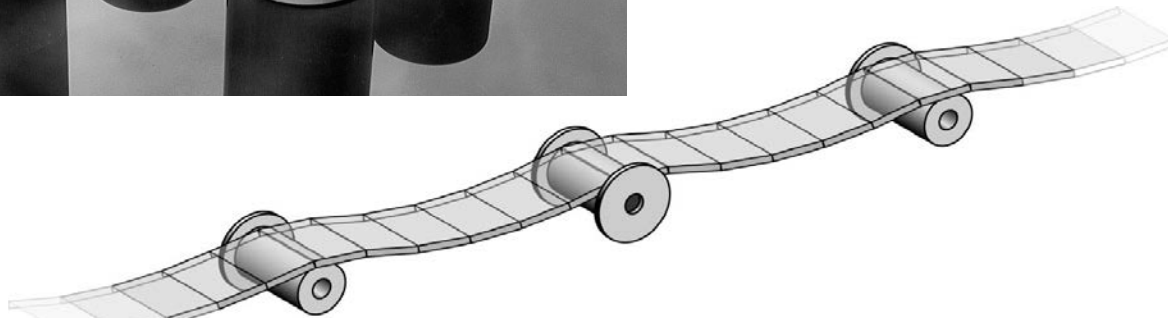
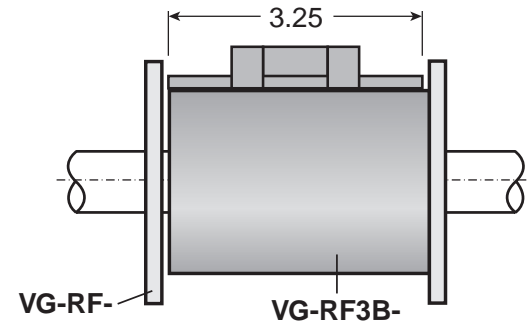


## Return Rollers

Solus Industrial Innovations introduces new Valu Guide conveyor chain return rollers. Made from impact resistant material, these rollers are highly resistant to chemicals and have self lubricating characteristics. The roller components are ultrasonically welded to ensure watertight construction and long life. A urethane cover option is available for better traction, low noise, and long service life. Other options include rubber O-rings and side flanges.

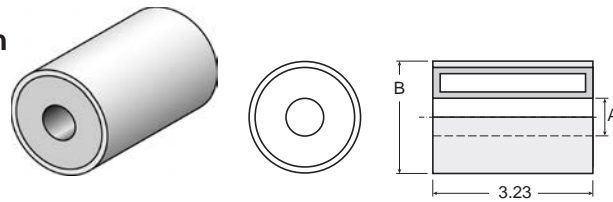
**NEW** *The Next Generation of conveyor chain return rollers!*

- Sanitary / Sealed
- Replacement for European Equipment
- Low Noise



### R3U

Return Roller with Urethane Surface

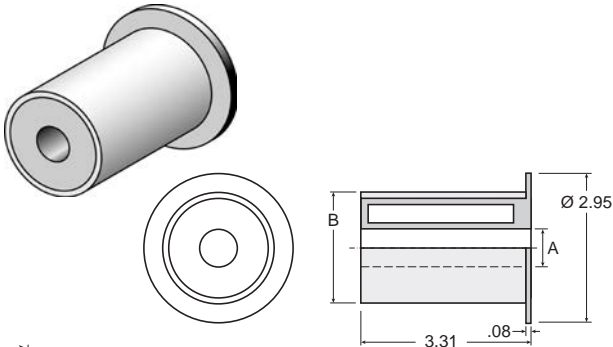


Material: Impact resistant HDPE with urethane cover.  
Colors: G=green, R=orange.

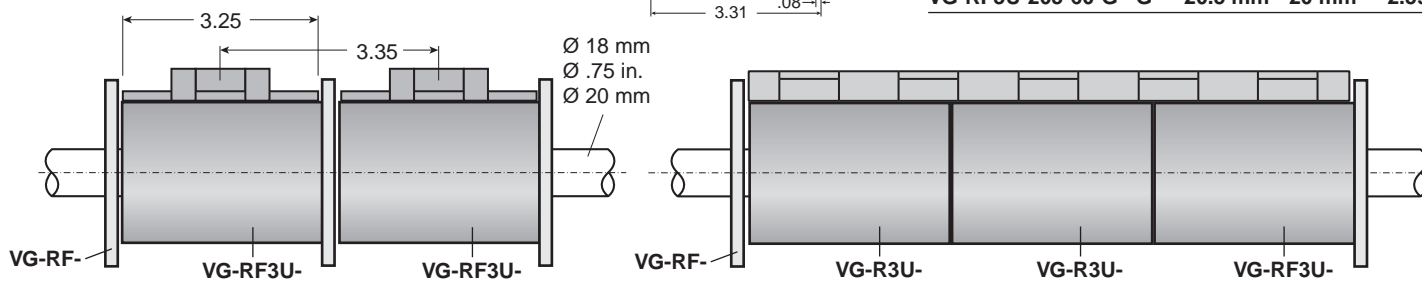
Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3U-185-50-G	G	18.5 mm	18 mm	2.20
VG-R3U-77-50-R	R	.77 in.	.75 in.	2.20
VG-R3U-205-50-G	G	20.5 mm	20 mm	2.20
VG-R3U-185-60-G	G	18.5 mm	18 mm	2.59
VG-R3U-77-60-R	R	.77 in.	.75 in.	2.59
VG-R3U-205-60-G	G	20.5 mm	20 mm	2.59

### RF3U

Return Roller with Flange and Urethane Surface



Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3U-185-50-G	G	18.5 mm	18 mm	2.20
VG-RF3U-77-50-R	R	.77 in.	.75 in.	2.20
VG-RF3U-205-50-G	G	20.5 mm	20 mm	2.20
VG-RF3U-185-60-G	G	18.5 mm	18 mm	2.59
VG-RF3U-77-60-R	R	.77 in.	.75 in.	2.59
VG-RF3U-205-60-G	G	20.5 mm	20 mm	2.59

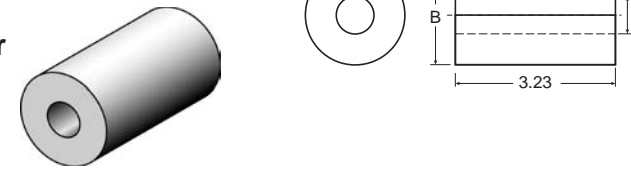


## Return Rollers

Material: Impact resistant HDPE.  
Colors: G=green, R=orange.

### R3

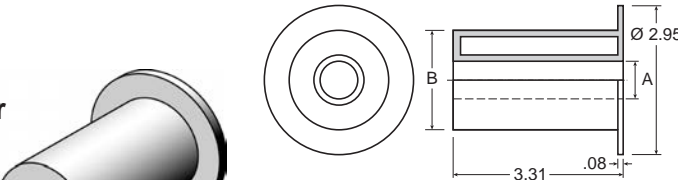
Return Roller



1.97 dia. version shown

### RF3

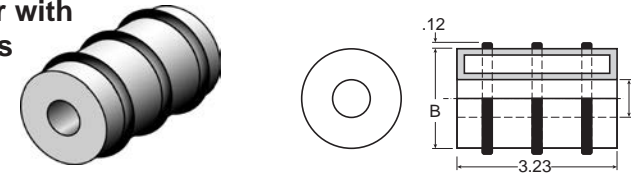
Return Roller with Flange



1.97 dia. version shown

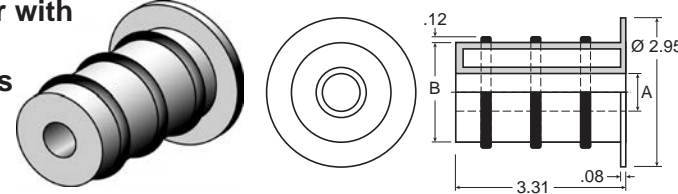
### R3B

Return Roller with Rubber Rings



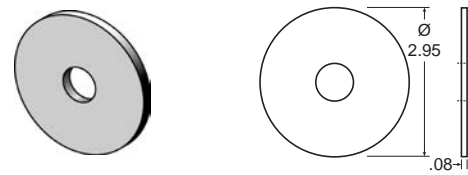
### RF3B

Return Roller with Flange and Rubber Rings



### RF

Flange



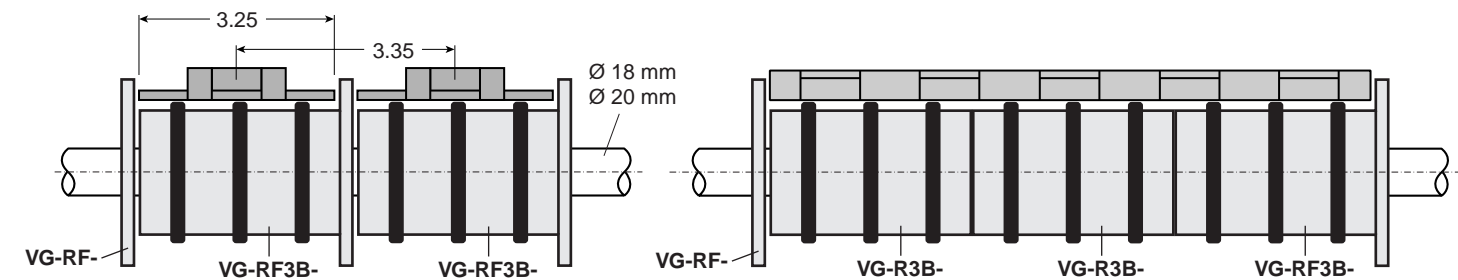
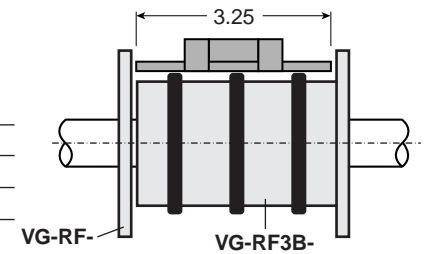
Part Number	Color	Ø A
VG-RF-185-50-G	G	18.5 mm
VG-RF-77-50-R	R	.77 in.
VG-RF-205-50-G	G	20.5 mm

Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3-185-50-G	G	18.5 mm	18 mm	1.97
VG-R3-77-50-R	R	.77 in.	.75 in.	1.97
VG-R3-205-50-G	G	20.5 mm	18 mm	1.97
VG-R3-185-60-G	G	18.5 mm	18 mm	2.36
VG-R3-77-60-R	R	.77 in.	.75 in.	2.36
VG-R3-205-60-G	G	20.5 mm	20 mm	2.36

Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3-185-50-G	G	18.5 mm	18 mm	1.97
VG-RF3-77-50-R	R	.77 in.	.75 in.	1.97
VG-RF3-205-50-G	G	20.5 mm	18 mm	1.97
VG-RF3-185-60-G	G	18.5 mm	18 mm	2.36
VG-RF3-77-60-R	R	.77 in.	.75 in.	2.36
VG-RF3-205-60-G	G	20.5 mm	20 mm	2.36

Part Number	Color	Ø A	Ø Shaft	Ø B
VG-R3B-185-50-G	G	18.5 mm	18 mm	1.97
VG-R3B-77-50-R	R	.77 in.	.75 in.	1.97
VG-R3B-205-50-G	G	20.5 mm	18 mm	1.97
VG-R3B-185-60-G	G	18.5 mm	18 mm	2.36
VG-R3B-205-60-G	G	20.5 mm	20 mm	2.36

Part Number	Color	Ø A	Ø Shaft	Ø B
VG-RF3B-185-50-G	G	18.5 mm	18 mm	1.97
VG-RF3B-205-50-G	G	20.5 mm	18 mm	1.97
VG-RF3B-185-60-G	G	18.5 mm	18 mm	2.36
VG-RF3B-205-60-G	G	20.5 mm	20 mm	2.36



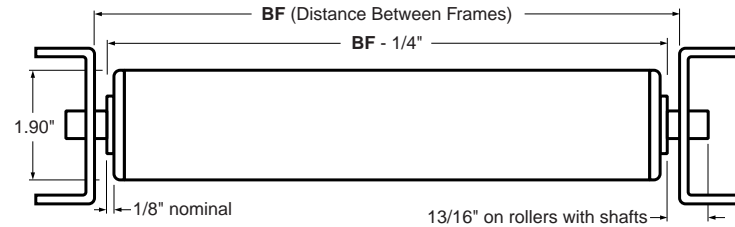


**"Off The Shelf"**

- Steel or PVC Rollers
- Popular Replacement Sizes
- Readily Available Inventory
- Easy Ordering and Re-ordering

These rollers represent our standard product offering. The rollers within each category are the same except for the roller width, which is determined by the distance between the conveyor frames.

See page 198-199 for Technical information.



Dimensions for all standard rollers unless otherwise noted

**Material:** PVC roller body with ABS end plugs and Nyla-Ride sleeve bearings.

Part Number	Chain/Roller width	BF
APS-3.5	3.25	3.50
APS-4.8	4.5	4.75
APS-7.8	7.5	7.75
APS-10.3	10	10.25
APS-13	-	13
APS-16	-	16
APS-18	-	18
APS-22	-	22

**Material:** PVC roller body with ABS end plugs and Nyla-Ride sleeve bearings. Carbon steel round shaft.

Part Number	Chain/Roller width	BF
APS12-7.8	7.5	7.75
APS12-10.3	10	10.25
APS12-13	-	13
APS12-16	-	16
APS12-18	-	18
APS12-22	-	22

**Material:** PVC roller body with ABS end plugs and Nyla-Ride sleeve bearings. Carbon steel hex shaft.

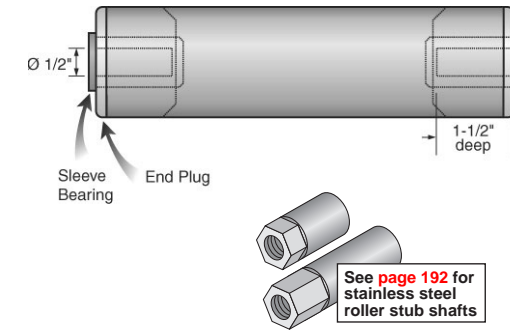
Part Number	Chain/Roller width	BF
APS7-7.8	7.5	7.75
APS7-10.3	10	10.25
APS7-13	-	13
APS7-16	-	16
APS7-18	-	18
APS7-22	-	22



**BPS12**

**PVC Roller with Sleeve Bearings**

Roller body diameter is 1.9 inches. Available in 8 standard lengths. Blind hole sleeve bearing material is long lasting Nyla-Ride and will accommodate Ø1/2" stub shafts. **Roller stub shafts not included.** To modify this roller, see Type B on page 182.



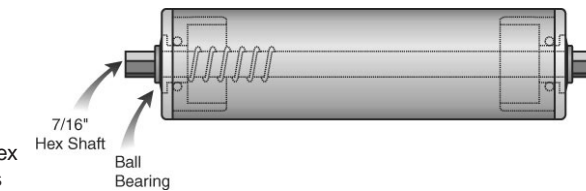
**Material:** PVC roller body with ABS end plugs and Nyla-Ride sleeve bearings.

Part Number	Chain/Roller width	BF
BPS12-3.5	3.25	3.50
BPS12-4.8	4.5	4.75
BPS12-7.8	7.5	7.75
BPS12-10.3	10	10.25
BPS12-13	-	13
BPS12-16	-	16
BPS12-18	-	18
BPS12-22	-	22

**DPL7**

**PVC Roller with Ball Bearings and Hex Thru Shaft**

Roller body diameter is 1.9 inches. Internal spring keeps roller centered on the 7/16 hex shaft. Ball bearing material is acetal plastic with 420 stainless steel balls. Available in 6 standard lengths. To modify this roller, see Type D on page 183.



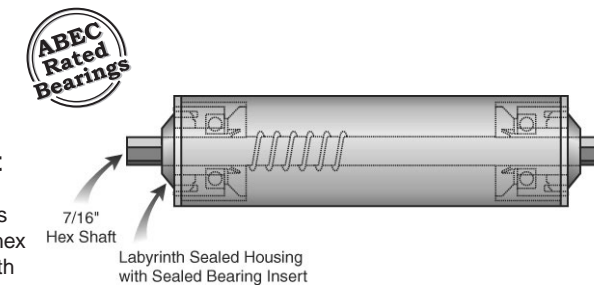
**Material:** PVC roller body. Ball bearings are acetal plastic with 420 stainless steel balls. Carbon steel hex shaft.

Part Number	BF
DPL7-7.8	7.75
DPL7-10.3	10.25
DPL7-13	13
DPL7-16	16
DPL7-18	18
DPL7-22	22

**ICD7**

**Steel Roller for Driven Systems with Ball Bearings and Hex Thru Shaft**

Roller body diameter is 1.9 inches. Internal spring keeps roller centered on the 7/16 hex shaft. Ball bearing is labyrinth sealed plastic with a sealed bearing insert. Available in 7 standard lengths. To modify this roller, see Type I on page 186.



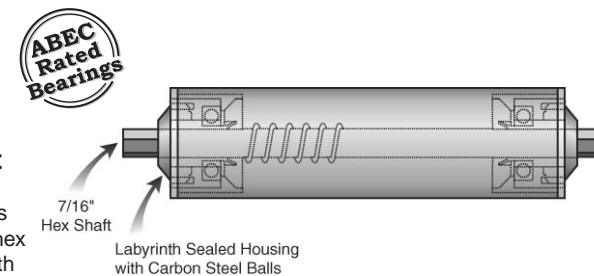
**Material:** Carbon steel roller body. Ball bearings are labyrinth sealed plastic with a sealed bearing insert. Carbon steel hex shaft.

Part Number	BF
ICD7-10.3	10.3
ICD7-13	13
ICD7-16	16
ICD7-18	18
ICD7-22	22
ICD7-24	24
ICD7-28	28

**ICG7**

**Steel Roller for Gravity Systems with Ball Bearings and Hex Thru Shaft**

Roller body diameter is 1.9 inches. Internal spring keeps roller centered on the 7/16 hex shaft. Ball bearing is labyrinth sealed plastic with carbon steel balls. Available in 7 standard lengths. To modify this roller, see Type I on page 186.



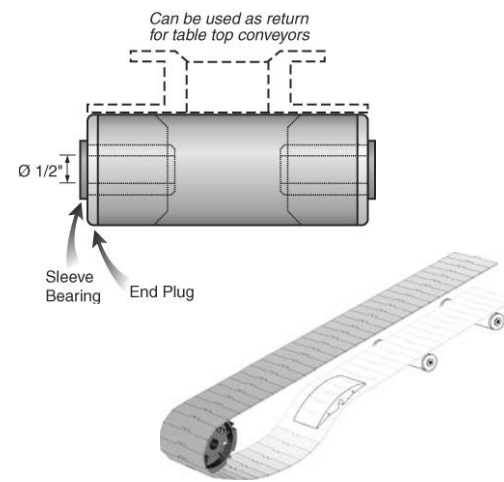
**Material:** Carbon steel roller body. Ball bearings are labyrinth sealed plastic with carbon steel balls. Carbon steel hex shaft.

Part Number	BF
ICG7-10.3	10.3
ICG7-13	13
ICG7-16	16
ICG7-18	18
ICG7-22	22
ICG7-24	24
ICG7-28	28

**APS**

**PVC Roller with Sleeve Bearings**

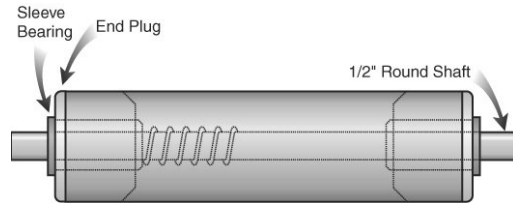
Roller body diameter is 1.9 inches. Sleeve bearing material is long lasting Nyla-Ride. Available in 8 standard lengths. To modify this roller, see Type A on page 182.



**APS12**

**PVC Roller with Sleeve Bearings and Round Thru Shaft**

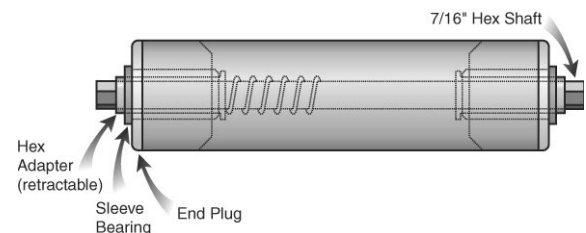
Roller body diameter is 1.9 inches. Internal spring keeps roller centered on the 1/2 in. round shaft. Sleeve bearing material is long lasting Nyla-Ride. Available in 6 standard lengths. To modify this roller, see Type A on page 182.



**APS7**

**PVC Roller with Sleeve Bearings and Hex Thru Shaft**

Roller body diameter is 1.9 inches. Internal spring keeps roller centered on the 7/16 hex shaft. Sleeve bearing material is long lasting Nyla-Ride. Available in 6 standard lengths. To modify this roller, see Type A on page 182.



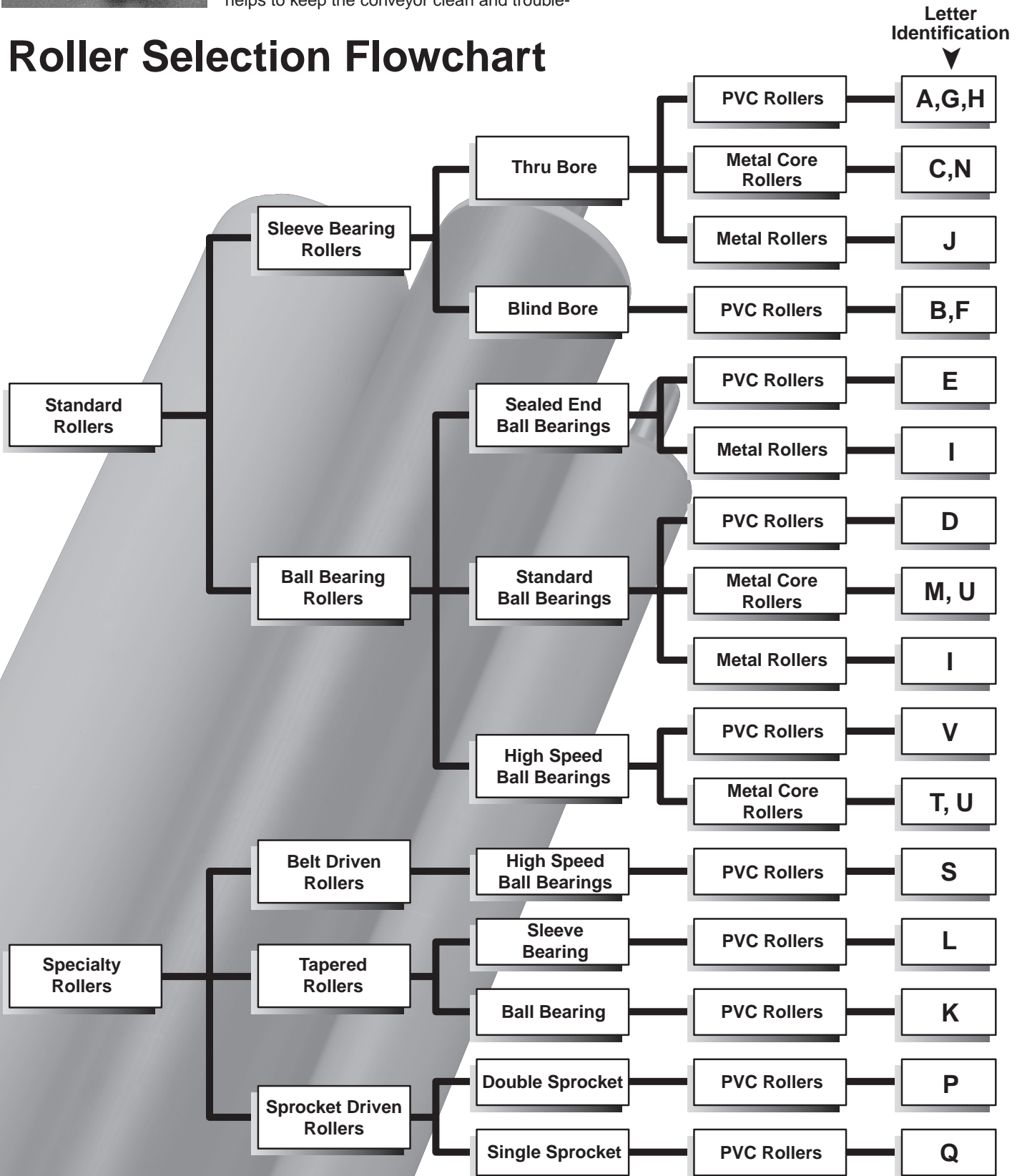
# Roller Selection



Solus offers a line of conveyor rollers and components which are engineered to provide totally maintenance free service. These rollers are quiet, need no lubrication, are extremely corrosion resistant, and can be used in wet applications. Contamination does not readily adhere to the surface of our rollers, which helps to keep the conveyor clean and trouble-

free. Our plastic rollers work well with conveyor belts, and can actually increase conveyor belt life through reduced belt abrasion. These rollers are available in a vast selection of sizes, materials and configurations as shown on the following pages. Please call 866-765-8744 to review your design requirements or fax your specifications to 866-447-6587.

## Roller Selection Flowchart





Our rollers have many varying configurations and material types. Combine this with our custom roller capability, and it becomes necessary to provide some information to help you select the perfect roller for your needs. Conveyor rollers are usually used on either gravity (no power) systems, or on powered systems that use a belt, chain or sprocket to drive the roller.

## Driven Systems

In the majority of driven applications, we recommend the use of rollers equipped with our self-lubricating sleeve bearings to obtain the longest service. This is because our sleeve bearings need no maintenance and eliminate all of the problems associated with traditional ball bearings.

## Gravity Systems

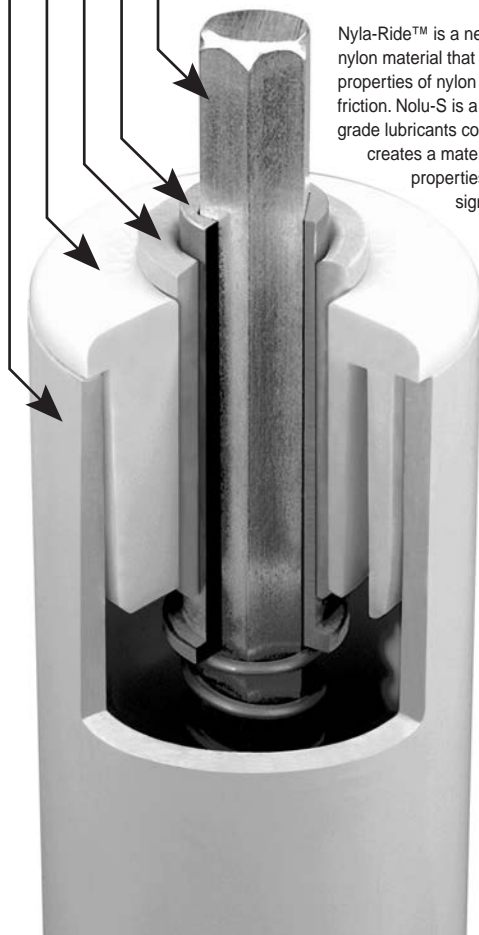
For gravity systems as well as certain driven applications, we offer different ball bearing options for a variety of applications. From light duty ball bearings for PVC tubing, to heavy-duty ball bearings for steel tubing, Solus has the ball bearing roller to suit your application.

### Sleeve Bearings

- Roller Tubes**  
Configuration: Round, Tapered, Grooved  
Materials: PVC, Aluminum, Steel
- End Plugs**  
Configuration: Blind Hole, Through Hole  
Materials: ABS, Polyamide, UHMW, Nolu-S
- Sleeve Bearings**  
Configuration: Blind Hole, Through Hole, Hex, Round  
Materials: Nyla-Ride™, Nolu-S
- Hex Shaft Adapters**  
Configuration: 5/16, 7/16, 11/16  
Materials: Carbon Steel, Stainless Steel, Nolu-S
- Roller Shafts**  
Configuration: Through, Pin, Round, Hex  
Materials: Aluminum, Carbon Steel, 304 and 316 Stainless Steel

Nyla-Ride™ is a new lubricated (food grade) nylon material that combines the strength properties of nylon with a lower coefficient of friction. Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction.

Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.



### Ball Bearings

- Roller Tubes**  
Configuration: Round, Tapered, Grooved  
Materials: PVC, Aluminum, Steel
- End Plugs**  
Configuration: Through Hole, 3-piece Design, Stub Shaft  
Materials: Acetal, Polypropylene
- Ball Bearings**  
HPR and LSB bearings are ABEC rated  
Configurations: Caged Bearing, Double Shielded, Rubber Sealed Bearing Insert  
Materials: Acetal races with 420 stainless alloy balls  
Polypropylene races with 316 stainless steel balls
- Roller Shafts**  
Configuration: Through, Round, Hex  
Materials: Aluminum, Carbon Steel, 304 and 316 Stainless Steel

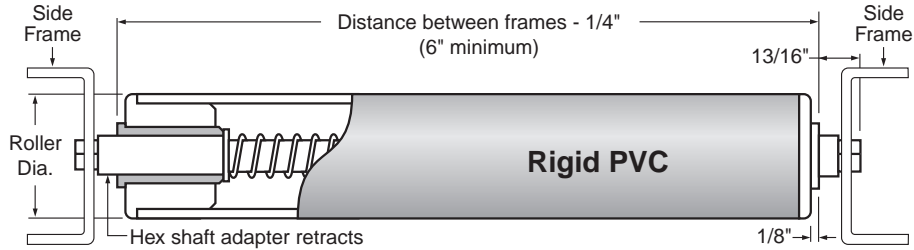
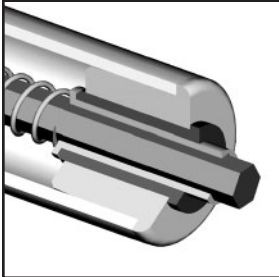




# Rollers

## Type A

**PVC Roller with High Performance Sleeve Bearing**



Our most popular all plastic roller, designed for belt driven conveyors and inclined gravity systems. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available. This roller can be purchased without a shaft if you prefer (leave shaft information out of part number).

Roller material: beige, rigid PVC.  
End plug material: beige ABS.

See [page 178](#) for Type A Roller standard part numbers.

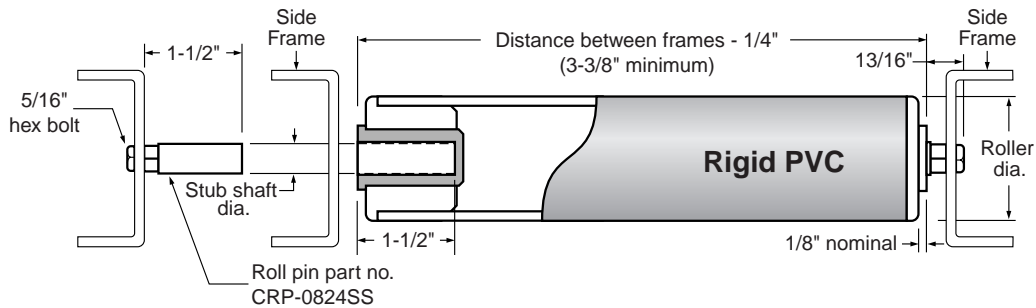
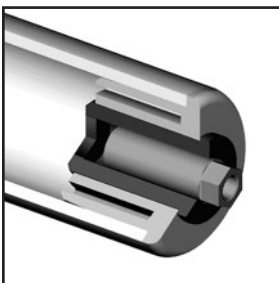
Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC

Shaft Material	Hex Adapter Material	Roller Diameter	Bearing Material	Distance Between Frames
Part No.	Part No.	Part No.	Part No.	
Description	Description	Description	Description	
<b>CS</b> Carbon steel	<b>C</b> Carbon steel	<b>R220</b> 1.90"	<b>NY</b> Nyla-Ride	↓
<b>304SS</b> 304 stainless	<b>316SS</b> 316 stainless	<b>R250</b> 2.25"	<b>S</b> Nolu-S	
<b>316SS</b> 316 stainless		<b>R270</b> 2.38"		
		<b>R280</b> 2.50"		
		<b>R320</b> 2.88"		

7/16 hex shaft ▶	<b>A-7/16hex-</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1/2" round shaft ▶	<b>A-1/2</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

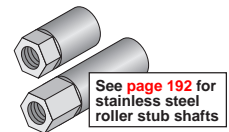
## Type B

**PVC Roller with High Performance Blind Bore Sleeve Bearing**



Designed for belt driven conveyors and inclined gravity systems where added cleanliness is required. The blind bore sleeve bearing can accommodate a 1/2" or 5/8" stainless steel stub shaft or extended pin chain attachments. The standard roller is bored to suit part number CRP-0824SS which is 1/2" dia., 316 stainless steel, and can be bolted to your side frame.

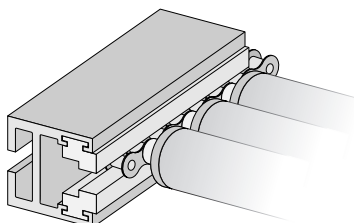
Roller material: beige, rigid PVC.  
End plug material: beige ABS.



See [page 178](#) for Type B Roller standard part numbers.

Stub Shaft Diameter	Roller Diameter	Bearing Material	Distance Between Frames
Part No.	Part No.	Part No.	
Description	Description	Description	
<b>1/2"</b>	<b>R220</b> 1.90"	<b>NY</b> Nyla-Ride	↓
<b>5/8"</b>	<b>R250</b> 2.25"	<b>S</b> Nolu-S	
	<b>R270</b> 2.38"		
	<b>R280</b> 2.50"		
	<b>R320</b> 2.88"		

<b>B-</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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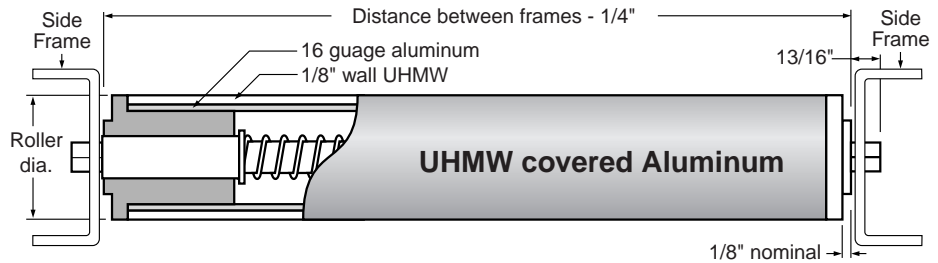
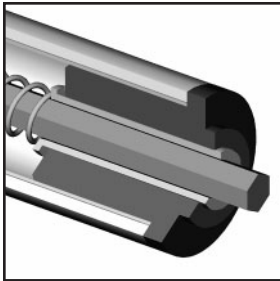


Conveyor Rollers



# Type C

## UHMW Roller with High Performance Sleeve Bearing



Our UHMW roller, reinforced with an aluminum tube, offers maximum abrasion resistance. Designed primarily for belt driven conveyors, the plastic sleeve bearings is an excellent choice for applications exposed to abrasive or corrosive products, candy production or printing where a non-stick surface is required. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: aluminum, UHMW.

Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	UHMW covered aluminum

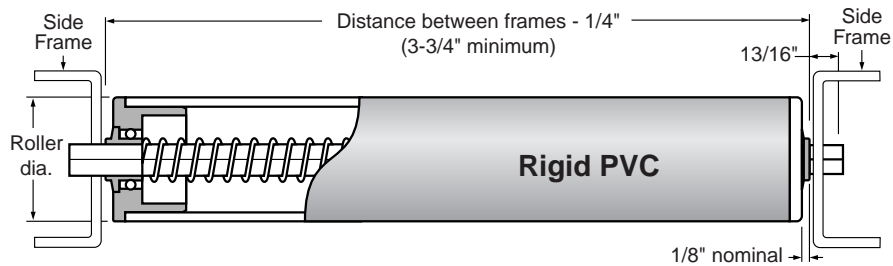
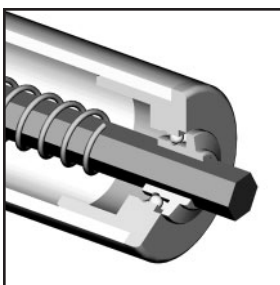
Part No.	Shaft Diameter	Part No.	Shaft Material	Part No.	Hex Adapter Material	Part No.	Roller Diameter	Part No.	Bearing Material	Distance Between Frames
	Description		Description		Description		Description		Description	
C-	7/16 hex	CS	Carbon steel	C	Carbon steel	R220	1.90"	NY	Nyla-Ride	
C-	5/16 hex	304SS	304 stainless	316SS	316 stainless	R270	2.38"	S	Nolu-S	
C-	1/2"		1/2" round							

Use with hex shaft.

w/ round shaft

# Type D

## PVC Roller with Nolu Plastic Ball Bearing



A cost effective lighter duty roller designed primarily for gravity conveyor applications. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC.

See page 179 for Type D Roller standard part numbers.

Bearing Type:	Ball
Bore Type:	Through
Roller Material:	PVC

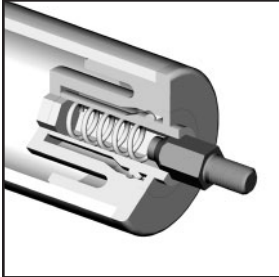
Part No.	Shaft Material	Part No.	Roller Diameter, Shaft Diameter and Bearing Material			Distance Between Frames
	Description		Roller Dia.	Shaft Dia.	Bearing Material	
D-	CS	NBB110	.81"	1/4" round	Acetal w/ 420 stainless balls	
D-	304SS	NBB130	1.06"	5/16" hex	Acetal w/ 420 stainless balls	
D-	316SS	NBB145	1.19"	5/16" round	Acetal w/ 420 stainless balls	
D-		NBB150	1.31"	5/16" hex	Acetal w/ 420 stainless balls	
D-		NBB220	1.90"	7/16" hex	Acetal w/ 420 stainless balls	
D-		SPB220	1.90"	7/16" hex	Polypropylene w/ 316 stainless balls	



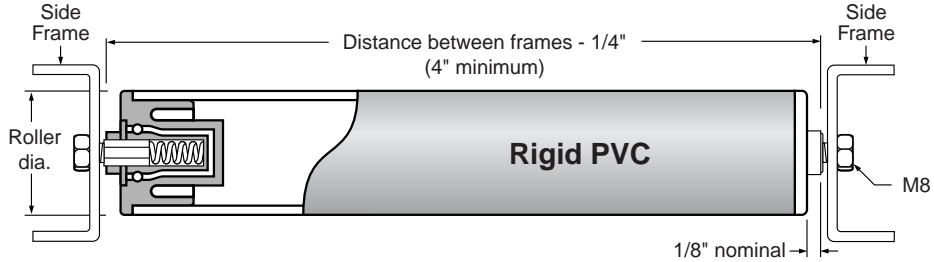


## Type E

**PVC Roller with Sealed End Ball Bearing**



Bearing Type:	Ball
Bore Type:	Blind
Roller Material:	PVC

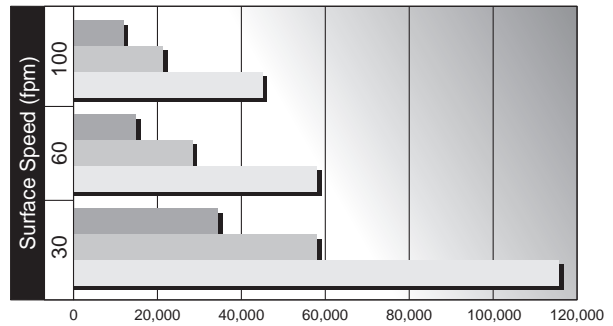


Our low friction roller with sealed end bearings prevents fluids and other contaminants from entering the tube. Useful in the processing industry due to the corrosion resistant materials that are USDA accepted for incidental contact with food products. Spring loaded, stainless steel stub shafts ease the assembly into a frame capable of accepting the M8 threaded attachments,

Roller material: beige, rigid PVC.

### Estimated Bearing Life For Plastic Ball Bearings

Radial load lbs. per roller:  5  10  15

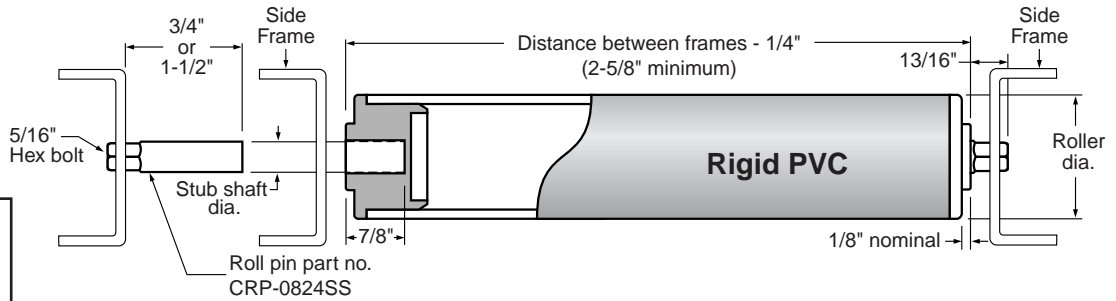
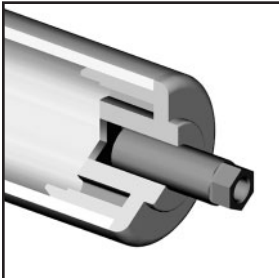


*Estimated bearing life will be reduced by impact loads and by exposure of contaminants. If the distance between frames is greater than 12", load capacity will be limited by the rigidity of the PVC tubing.*

Roller Diameter	Part No.	Description	Distance Between Frames
SBR220	1.90"		
SBR270	2.37"		

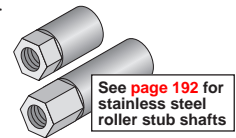
## Type F

**PVC Roller with Blind-Bore Sleeve Bearing**



Type F roller is designed to provide added cleanliness and reduce potential areas of contamination. The one piece, blind bore sleeve bearing can accommodate a stainless steel roller stub shaft or extended pin chain attachment up to  $\varnothing$  5/8". Unless specified otherwise, rollers come with  $\varnothing$  1/2" bores that can be used with our  $\varnothing$  1/2", 316 stainless steel roller stub shafts (see page 192) which are bolted directly to the side frame.

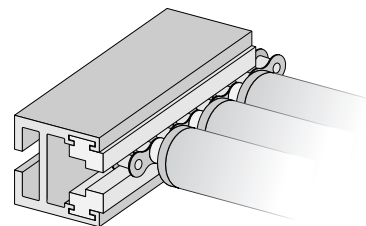
Roller material: beige, rigid PVC.  
End plugs/bearing: beige acetal.



See page 192 for stainless steel roller stub shafts

Bearing Type:	Sleeve
Bore Type:	Blind
Roller Material:	PVC

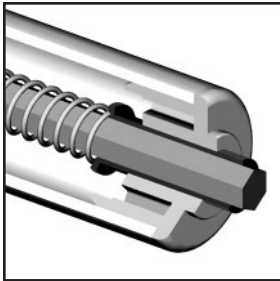
Stub Shaft Diameter	Roller Diameter	Part No.	Description	Distance Between Frames
1/2" (other)	NR220	1.90"		
	NR270	2.38"		



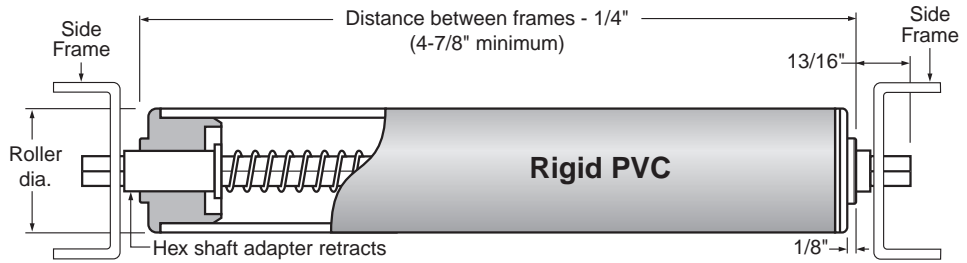


## Type G

### PVC Roller with Sleeve Bearings



Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC



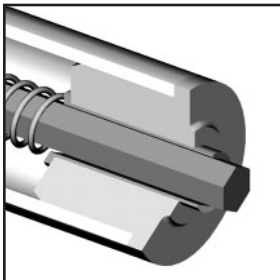
Our economical, light duty roller with a selection of steel shaft assemblies. Designed to support the return side of belt conveyors and inclined gravity systems. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available. This roller can be purchased without a shaft if you prefer (leave shaft information out of part number).

Roller material: beige, rigid PVC.  
End plug material: beige acetal.  
Bearing material: beige acetal.

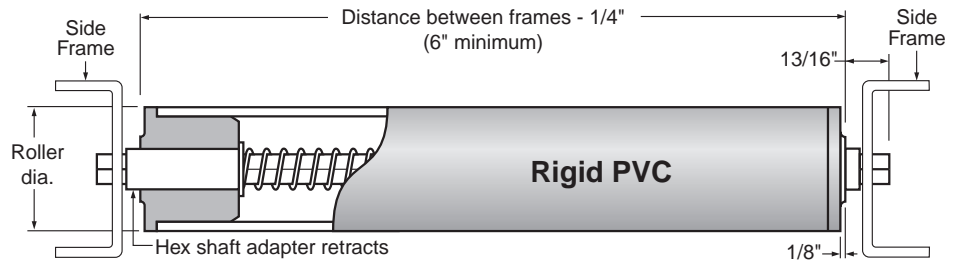
	Shaft Material Part No.	Description	Hex Adapter Material Part No.	Description	Roller Diameter Part No.	Description	Distance Between Frames
7/16 hex shaft ▶	<b>CS</b>	Carbon steel	<b>C</b>	Carbon steel	<b>NR220</b>	1.90"	↓
	<b>304SS</b>	304 stainless	<b>316SS</b>	316 stainless	<b>NR270</b>	2.38"	
	<b>316SS</b>	316 stainless	<b>S</b>	Nolu-S <small>Use with hex shaft.</small>			
w/ round shaft ▶							

## Type H

### PVC Roller with One Piece End Plugs of Sleeve Bearing Material



Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC



Designed for belt driven conveyors offering all the advantages of a plastic roller and eliminates all the problems associated with the use of ball bearings. Standard shafts extend 13/16" at each end of a roller. This roller can be purchased without a shaft if you prefer (leave shaft information out of part number).

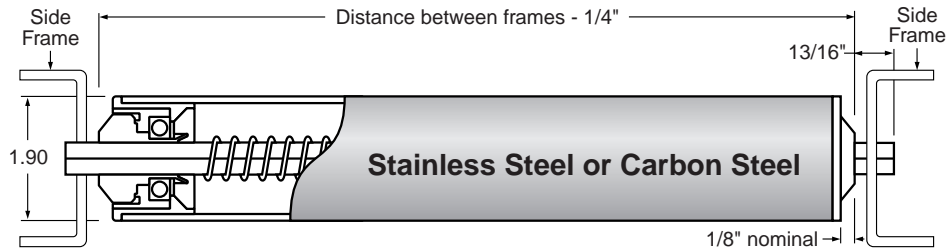
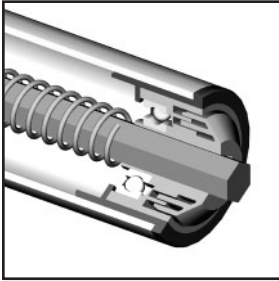
Roller material: beige, rigid PVC.  
Bearing material: UHMW, Nolu-S.

	Shaft Material Part No.	Description	Hex Adapter Material Part No.	Description	Roller Diameter and Material UHMW#	Nolu-S #	Description	Distance Between Frames	
7/16 hex shaft ▶	<b>CS</b>	Carbon steel	<b>C</b>	Carbon steel	<b>HT110</b>	or	<b>ST110</b>	.81"	↓
	<b>304SS</b>	304 stainless	<b>316SS</b>	316 stainless	<b>HT130</b>	or	<b>ST130</b>	1.06"	
	<b>316SS</b>	316 stainless			<b>HT145</b>	or	<b>ST145</b>	1.19"	
w/ round shaft ▶					<b>HR190</b>	or	<b>ST190</b>	1.66"	
					<b>HR220</b>	or	<b>SR220</b>	1.90"	
					<b>HR250</b>	or	<b>SR250</b>	2.25"	
					<b>HR270</b>	or	<b>SR270</b>	2.38"	
					<b>HR280</b>	or	<b>SR280</b>	2.5"	
					<b>HR320</b>	or	<b>SR320</b>	2.88"	
.81 dia. only ▶							<b>110</b>		



## Type I

### Steel Roller with Plastic Ball Bearing



Designed primarily for belt driven conveyors and inclined gravity systems where a heavy duty roller is required. Standard shafts are 7/16" hex and extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: stainless or carbon steel.

**See page 179 for Type I Roller standard part numbers.**

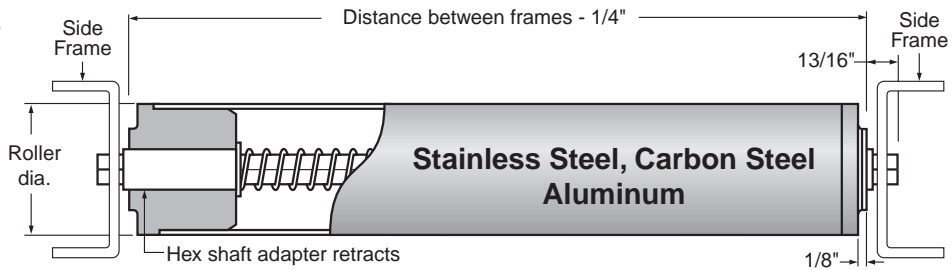
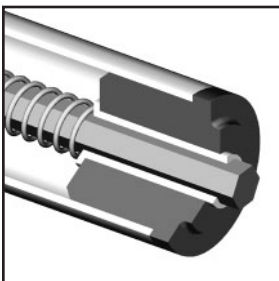
Bearing Type:	Ball
Bore Type:	Through
Roller Material:	Steel

Shaft Material		Bearing		Shaft Diameter	Tubing Material		Distance
Part No.	Description	Part No.	Description	Description	Part No.	Description	Between Frames
<b>CS</b>	Carbon steel	<b>222LSB-224-01</b>	Plastic housing with carbon steel caged bearing insert	<b>7/16</b>	<b>2</b>	Carbon steel	↓
<b>304SS</b>	304 stainless	<b>222LSB-224-02</b>	Plastic housing with carbon steel double shielded bearing insert		<b>3</b>	304 stainless	
<b>316SS</b>	316 stainless	<b>222LSB-224-03</b>	Plastic housing with carbon steel double rubber sealed bearing insert				



## Type J

### Steel / Aluminum Roller with Non-Metallic Sleeve Bearings



Roller can be produced from most standard tube sizes and using a conveyor roll end bearing from the table on page 193. Designed primarily for belt driven conveyors and inclined gravity systems. It provides the same rigidity as other metal tube rollers and yet eliminates all the problems associated with the use of ball bearings. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available. This roller can be purchased without a shaft if you prefer (leave shaft information out of part number).

Roller material: stock steels or aluminum.

Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	Steel

Shaft Material		Hex Adapter Material		Roller Dia., Gage,	Tubing Material		Distance
Part No.	Description	Part No.	Description	Bearing Material & Bore size (see pg.193) (e.g. HR234J)	Part No.	Description	Between Frames
<b>CS</b>	Carbon steel	<b>C</b>	Carbon steel	↓	<b>2</b>	Carbon steel	↓
<b>304SS</b>	304 stainless	<b>316SS</b>	316 stainless		<b>3</b>	304 stainless	
<b>316SS</b>	316 stainless				<b>5</b>	Aluminum	

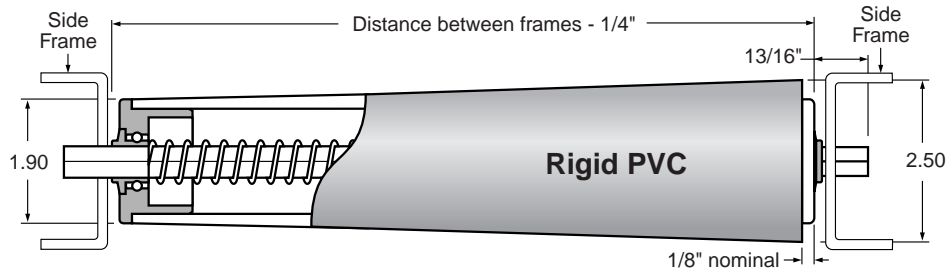
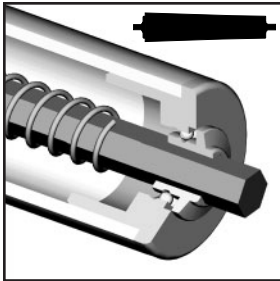


Conveyor Rollers



## Type K

### Tapered PVC Roller with Plastic Ball Bearing



Designed primarily for gravity conveyors where a clean, corrosion free environment is required. The bearings are unaffected by most normal washdown procedures. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: gray, rigid PVC hollow bar.

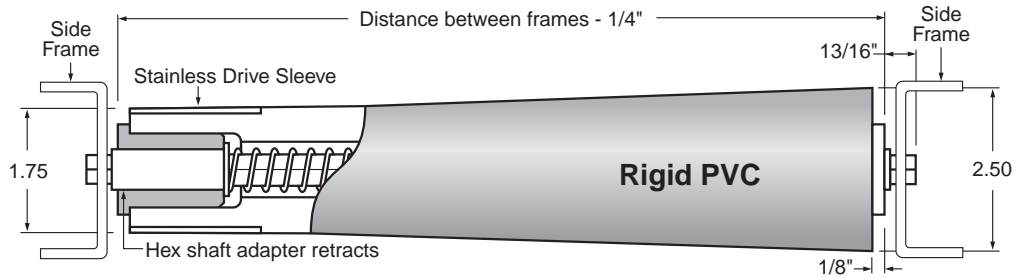
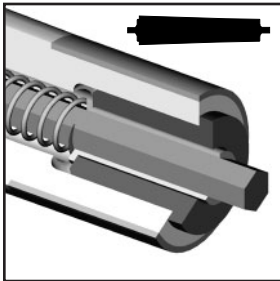
Bearing Type:	Ball
Bore Type:	Through
Roller Material:	PVC

Shaft Material Part No.	Description	Roller Diameter Part No.	Roller Dia.	Shaft Dia.	Bearing Material	Distance Between Frames
CS	Carbon steel	NBB220	1.90"	7/16" hex	Acetal w/ 420 stainless balls	↓
304SS	304 stainless	SPB220	1.90"	7/16" hex	Polypropylene w/ 316 stainless balls	
316SS	316 stainless					

**K-**

## Type L

### Tapered PVC Roller with High Performance Sleeve Bearings



Designed for belt driven systems or can be fitted with UHMW sprockets. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: gray, rigid PVC hollow bar.

Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC

Shaft Material Part No.	Description	Hex Adapter Material Part No.	Description	Bearing Material Part No.	Description	Distance Between Frames
CS	Carbon steel	C	Carbon steel	NY	Nyla-Ride	↓
304SS	304 stainless	316SS	316 stainless	S	Nolu-S	
316SS	316 stainless					

*Use with hex shaft.*

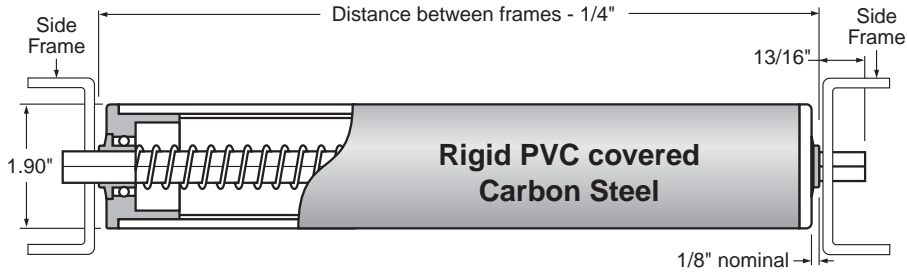
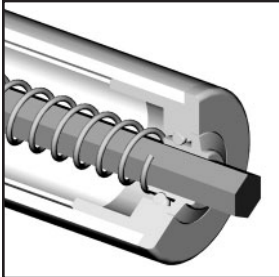
7/16 hex shaft ➔ **L-7/16hex-**

w/ round shaft ➔ **L-1/2**



## Type M

**Steel Reinforced PVC Roller with Plastic Ball Bearing**



Designed primarily for gravity conveyors where a clean, corrosion free environment is required. The reinforcing tube will increase the load carrying capacity to the limit of the bearings. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC over carbon steel.

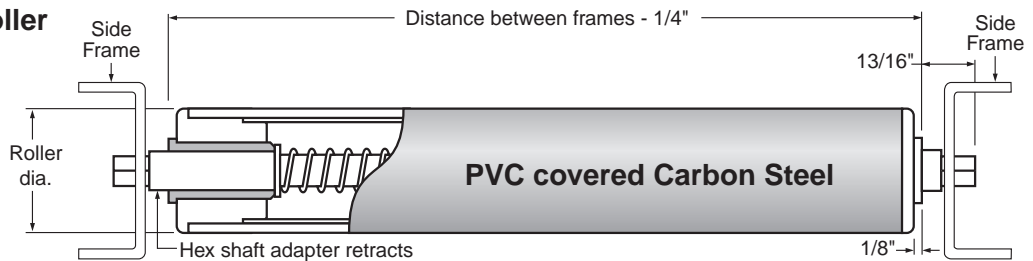
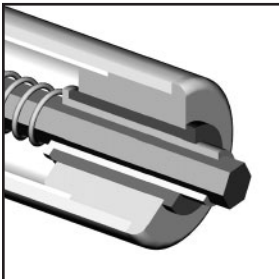
Bearing Type:	Ball
Bore Type:	Through
Roller Material:	PVC and steel

Shaft Material		Roller Diameter, Shaft Diameter and Bearing Material			Distance Between Frames
Part No.	Description	Part No.	Roller Dia.	Shaft Dia.	
CS	Carbon steel	NBB220	1.90"	7/16" hex	Acetal w/ 420 stainless balls
304SS	304 stainless	SPB220	1.90"	7/16" hex	Polypropylene w/ 316 stainless balls
316SS	316 stainless				



## Type N

**Steel Reinforced PVC Roller with High Performance Sleeve Bearings**



Designed primarily for belt driven conveyors and inclined gravity systems. Offers all the advantages of a plastic roller and eliminates the problem associated with the use of ball bearings. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC over carbon steel.  
End Plug material: beige, ABS.

Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC and steel

Shaft Material		Hex Adapter Material		Roller Diameter		Bearing Material		Distance Between Frames
Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	
CS	Carbon steel	C	Carbon steel	R220R	1.90"	NY	Nyla-Ride	
304SS	304 stainless	316SS	316 stainless	R270R	2.38"	S	Nolu-S	
316SS	316 stainless							

*Use with hex shaft.*

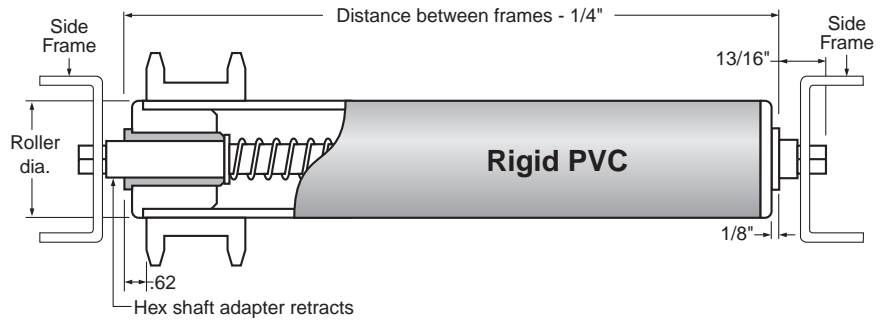
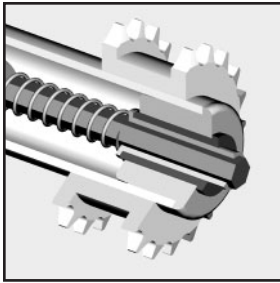


Conveyor Rollers



## Type P

### Double Sprocket PVC Roller with High Performance Sleeve Bearings



Our Type A roller with a UHMW double sprocket is available for various roller chains. In a driven system, the need for lubrication is eliminated. Better service life and chain wear is reduced. Noise levels are significantly reduced and the roller gains easy acceptance by the USDA and FDA. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC.  
End Plug material: beige, ABS.

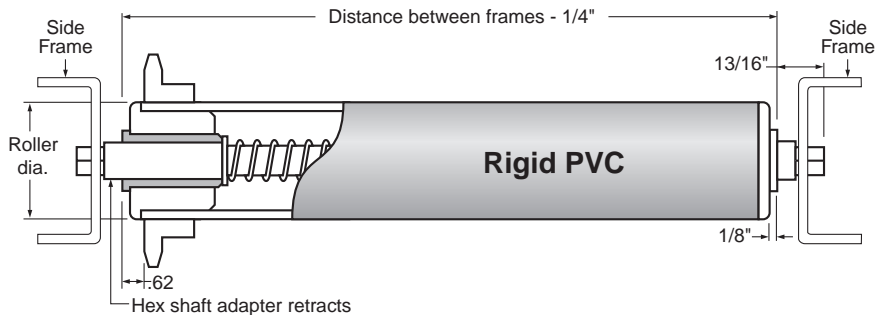
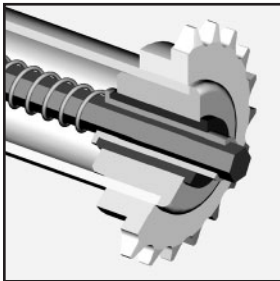
Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC

Shaft Material	Hex Adapter Material	Roller Diameter	Bearing Material	Roller Chain	Number of	Distance
Part No.	Part No.	Part No.	Part No.	Number	Teeth	Between
Description	Description	Desc.	Desc.			Frames
<b>CS</b> Carbon steel	<b>C</b> Carbon steel	<b>R220</b> 1.90"	<b>NY</b> Nyla-Ride			
<b>304SS</b> 304 stainless	<b>316SS</b> 316 stainless	<b>R250</b> 2.25"	<b>S</b> Nolu-S			
<b>316SS</b> 316 stainless		<b>R270</b> 2.38"				
		<b>R280</b> 2.50"				

7/16 hex shaft	<b>P-7/16hex-</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
w/ round shaft	<b>P-1/2</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Type Q

### Single Sprocket PVC Roller with High Performance Sleeve Bearings



Our Type A roller with a UHMW single sprocket is available for various roller chains. In a driven system, the need for lubrication is eliminated. Better service life and chain wear is reduced. Noise levels are significantly reduced and the roller gains easy acceptance by the USDA and FDA. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC.  
End Plug material: beige, ABS.

Bearing Type:	Sleeve
Bore Type:	Through
Roller Material:	PVC

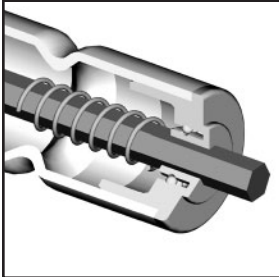
Shaft Material	Hex Adapter Material	Roller Diameter	Bearing Material	Roller Chain	Number of	Distance
Part No.	Part No.	Part No.	Part No.	Number	Teeth	Between
Description	Description	Desc.	Desc.			Frames
<b>CS</b> Carbon steel	<b>C</b> Carbon steel	<b>R220</b> 1.90"	<b>NY</b> Nyla-Ride			
<b>304SS</b> 304 stainless	<b>316SS</b> 316 stainless	<b>R250</b> 2.25"	<b>S</b> Nolu-S			
<b>316SS</b> 316 stainless		<b>R270</b> 2.38"				
		<b>R280</b> 2.50"				

7/16 hex shaft	<b>Q-7/16hex-</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
w/ round shaft	<b>Q-1/2</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

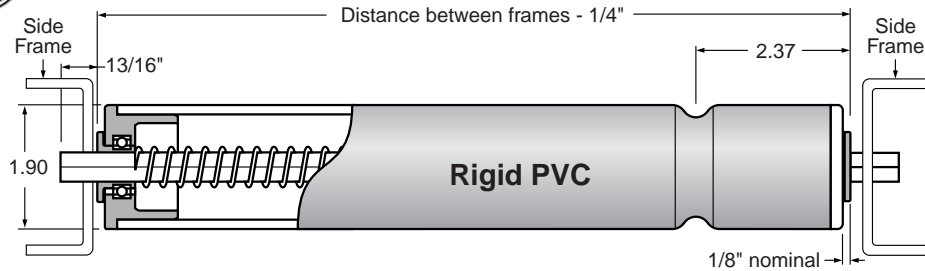


## Type S

### PVC Line Shaft Roller with Precision Ball Bearing



Bearing Type:	Ball
Bore Type:	Through
Roller Material:	PVC



Plastic line shaft conveyor roller designed with a spring loaded 7/16" hex shaft. Noise levels are significantly reduced and surface build up is minimized. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC.

"O" ring groove material: machined into PVC.

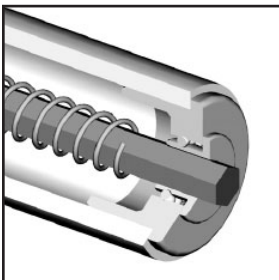
Bearing is HPR-220 series precision ball bearing mounted in reinforced polypropylene.

Shaft Material		Belt Diameter		Distance Between Frames
Part No.	Description	Part No.	Description	
CS	Carbon steel	3/16	3/16"	↓
304SS	304 stainless	1/4	1/4"	
316SS	316 stainless			

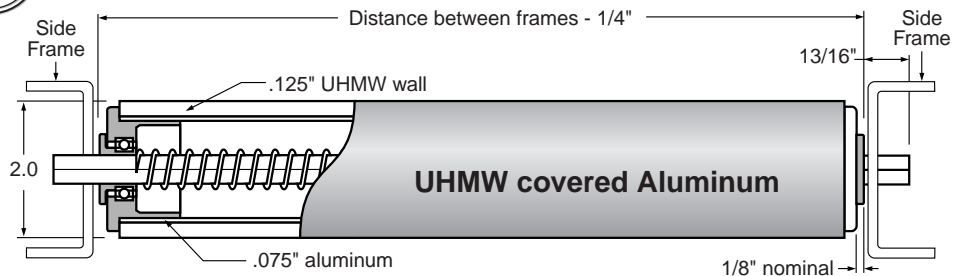


## Type T

### Aluminum reinforced UHMW Roller with Precision Ball Bearing



Bearing Type:	Ball
Bore Type:	Through
Roller Material:	UHMW & Aluminum



Maximum abrasion resistant roller, reinforced with an aluminum tube. Fitted with a high performance bearing assembly that provides the lowest coefficient of friction, excellent load carrying capacity and high speed capability in one roller. Noise levels are significantly reduced and surface build up is minimized. The UHMW tube offers a great non-stick roller surface for applications such as candy production or printing. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: UHMW, aluminum.

Bearing is HPR-220 series precision ball bearing mounted in reinforced polypropylene.

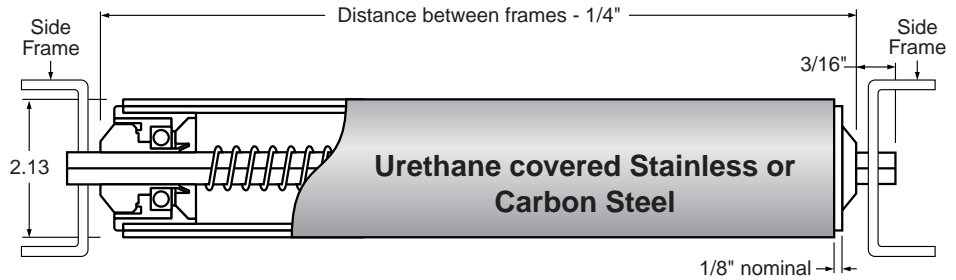
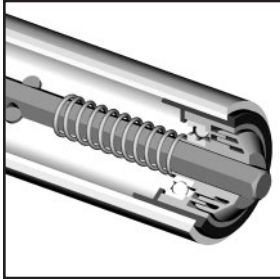
Shaft Material		Distance Between Frames
Part No.	Description	
CS	Carbon Steel	↓
304SS	304 stainless	
316SS	316 stainless	





## Type U

### Urethane Covered Steel Roller with Plastic Ball Bearing



Bearing Type:	Ball
Bore Type:	Through
Roller Material:	Stainless or Carbon Steel

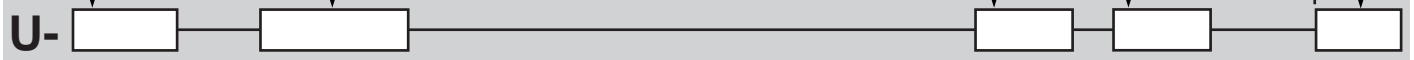
Designed primarily for belt driven conveyors and inclined gravity systems where a heavy duty roller is required. Urethane covering helps protect heavy products that require a flawless cosmetic appearance. Standard shafts are 7/16" hex and extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: stainless or carbon steel.

Shaft Material	Part No.	Description
CS		Carbon steel
304SS		304 stainless
316SS		316 stainless

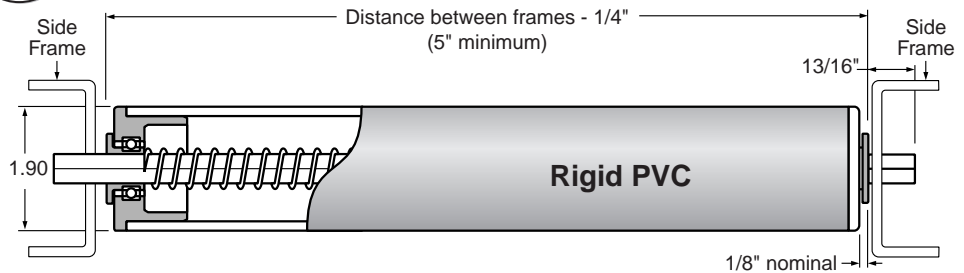
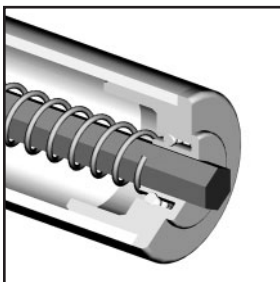
Bearing Part No.	Description
222LSB-224-01	Plastic housing with carbon steel insert
222LSB-224-02	Plastic housing with carbon steel double shielded bearing insert
222LSB-224-03	Plastic housing with carbon steel double rubber sealed bearing insert

Shaft Diameter	Description	Tubing Material	Part No.	Description	Distance Between Frames
7/16		2		Carbon steel	
		3		304 stainless	



## Type V

### PVC Free-Turning Roller with Precision Ball Bearing



Bearing Type:	Ball
Bore Type:	Through
Roller Material:	PVC

Free turning conveyor roller that is ideal for gravity systems and the precision bearing is also designed for continuous use in driven systems, even at high speeds. Noise levels are significantly reduced and surface build up is minimized. Standard shafts extend 13/16" at each end of a roller. Custom extended shaft lengths are available.

Roller material: beige, rigid PVC.

Bearing is HPR-220 series precision ball bearing mounted in reinforced polypropylene.

Shaft Material	Part No.	Description	Distance Between Frames
CS		Carbon Steel	
304SS		304 stainless	
316SS		316 stainless	





# Conveyor Roller End Bearings

## Roller End Bearings

We constantly manufacture nonstandard rollers to solve design problems and offer maintenance free service in a specific environment. Each of these products makes use of our high performance bearing materials.

### How To Order Conveyor Roller End Bearings:

The standard part numbers in our tables comprise a full line of roller end bearings manufactured from white UHMW (part numbers starting with "H"). If a custom size is required, provide us with your tubing outside diameter, the gauge thickness and shaft diameter. If an alternative material is required, revise the part number prefix as follows:

**Nolu-S**, use the letter "S" in place of "H"

Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.

**Arguto-K**, use the letter "A" in place of "H"

Example: **HR-190** uses UHMW, **SR-190** uses Nolu-S, **AR-190** uses Arguto-K wood,

A bearing will be supplied with a bore designed for a 1/2" diameter shaft unless a suffix letter is added to the part number from the list below.

#### \*Additional Bores

A=3/16" No Letter= 1/2" M=13/16"  
 B= 1/4" H= 9/16" N=7/8"  
 C= 5/16" J= 5/8" Q= 15/16"  
 E=3/8" K= 11/16" T=1"  
 F= 7/16" L= 3/4" U= 1-1/16"  
 Example: **SR-190J**

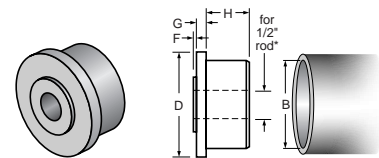
When Arguto-K bearings will be exposed to wet or moist environments add a further suffix "W" to the part number. Example: AR-200JW

**Shaded items are "Off The Shelf" stock items. Others require a minimum order of 20.**



## HT

### Light Duty Bearings

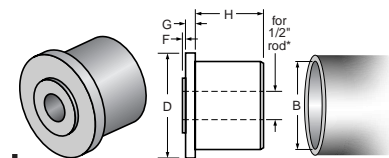


Part Number	D Tube OD	Gauge Tube	Tube Wall	B Tube ID	F	G	H
HT-072A	1/2	20	.035	.430	1/16	1/8	5/16
HT-073A	1/2	18	.049	.402	1/16	1/8	5/16
HT-082A	5/8	20	.035	.555	1/16	1/8	5/16
HT-090A	.706	1/2 EMT	.042	.622	1/16	1/8	1/2
HT-102B	3/4	20	.035	.680	1/16	1/8	1/2
HT-103B	3/4	18	.049	.652	1/16	1/8	1/2
HT-104B	3/4	16	.065	.620	1/16	1/8	1/2
HT-112B	7/8	20	.035	.805	1/16	1/8	1/2
HT-113B	7/8	18	.049	.777	1/16	1/8	1/2
HT-114B	7/8	16	.065	.745	1/16	1/8	1/2
HT-120B	.922	3/4 EMT	.049	.824	1/16	1/8	1/2
HT-122E	1	20	.035	.930	1/16	1/8	1/2
HT-123E	1	18	.049	.902	1/16	1/8	1/2
HT-127E	1	17	.058	.884	1/16	1/8	1/2
HT-124E	1	16	.065	.870	1/16	1/8	1/2
HT-130E	1.050	3/4 Pipe	.113	.824	1/16	1/8	1/2
HT-137E	1-1/8	17	.058	1.009	1/16	1/8	1/2
HT-134E	1-1/8	16	.065	.995	1/16	1/8	1/2
HT-140E	1.163	1 EMT	.057	1.049	1/16	1/8	1/2
HT-142	1-1/4	20	.035	1.180	1/16	1/8	9/16
HT-143	1-1/4	18	.049	1.152	1/16	1/8	1/2
HT-144	1-1/4	16	.065	1.120	1/16	1/8	1/2
HT-150	1.315	1 Pipe	.133	1.049	1/16	1/8	9/16

# Conveyor Roller End Bearings

## HR

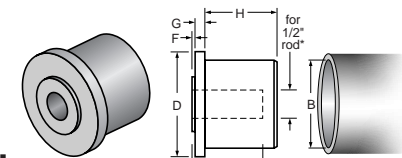
### Standard Duty Bearings



Part Number	Part Number	H
HR-163		1
HR-164		1
HR-173		1-1/4
HR-174	HP-174	1-1/4
HR-175	HP-175	1-1/4
HR-180		1-1/4
HR-184		1-1/4
HR-190		1-1/4
HR-200		1-1/4
HR-204	HP-204	1-1/4
HR-205	HP-205	1-1/4
HR-208		1-1/4
HR-214		1-1/4
HR-216		1-1/4
HR-220	HP-220	1-1/4
HR-224		1-1/4
HR-233		1-1/4
HR-234	HP-234	1-1/4
HR-235	HP-235	1-1/4
HR-236		1-1/4
HR-238		1-1/4
HR-240		1-1/4
HR-250		1-1/4
HR-253		1-1/4
HR-254	HP-254	1-1/4
HR-255	HP-255	1-1/4
HR-256		1-1/4
HR-258		1-1/4
HR-259		1-1/4
HR-264		1-1/4
HR-266		1-1/4
HR-268		1-1/4
HR-270	HP-270	1-1/4
HR-280		1-1/4
HR-284	HP-284	1-1/4
HR-285	HP-285	1-1/4
HR-286		1-1/4
HR-288		1-1/4
HR-289		1-1/4
HR-304		1-1/4
HR-306		1-1/4
HR-308		1-1/4
HR-320		1-1/4
HR-334	HP-334	1-3/8
HR-335	HP-335	1-3/8
HR-336		1-3/8
HR-338		1-3/8

## HP

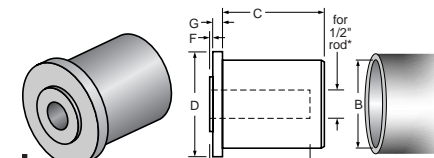
### Blind Hole Bearings



Tube OD D	Tube Gauge	Tube Wall	Tube ID B	F	G
1-3/8	18	.049	1.277	1/16	3/16
1-3/8	16	.065	1.245	1/16	3/16
1-1/2	18	.049	1.402	1/16	3/16
1-1/2	16	.065	1.370	1/16	3/16
1-1/2	14	.083	1.334	1/16	3/16
1.510	1-1/4 EMT	.065	1.380	1/16	3/16
1-5/8	16	.065	1.495	1/16	3/16
1.660	1-1/4 Pipe	.140	1.380	1/16	3/16
1.740	1-1/2 EMT	.065	1.610	1/16	3/16
1-3/4	16	.065	1.620	1/16	3/16
1-3/4	14	.083	1.584	1/16	3/16
1-3/4	11	.120	1.510	1/16	3/16
1-7/8	16	.065	1.745	1/16	3/16
1-7/8	13	.095	1.685	1/16	3/16
1.900	1-1/2 Pipe	.145	1.610	1/16	3/16
1.900	16	.065	1.770	1/16	3/16
2	18	.049	1.902	1/8	1/4
2	16	.065	1.870	1/8	1/4
2	14	.083	1.834	1/8	1/4
2	13	.095	1.810	1/8	1/4
2	11	0.12	1.760	1/8	1/4
2.197	2 EMT	0.065	2.067	1/8	1/4
2-1/4	2-1/4 Nolu	.154	1.942	1/8	1/4
2-1/4	18	.049	2.152	1/8	1/4
2-1/4	16	.065	2.120	1/8	1/4
2-1/4	14	.083	2.084	1/8	1/4
2-1/4	13	.095	2.060	1/8	1/4
2-1/4	11	.120	2.010	1/8	1/4
2-1/4	10	.134	1.982	1/8	1/4
2-3/8	16	.065	2.245	1/8	1/4
2-3/8	13	.095	2.185	1/8	1/4
2-3/8	11	.120	2.135	1/8	1/4
2.375	2 Pipe	.154	2.067	1/8	1/4
2-1/2	2-1/2 Nolu	.154	2.192	1/8	1/4
2-1/2	18	.049	2.402	1/8	1/4
2-1/2	16	.065	2.370	1/8	1/4
2-1/2	14	.083	2.334	1/8	1/4
2-1/2	13	.095	2.310	1/8	1/4
2-1/2	11	.120	2.260	1/8	1/4
2-1/2	10	.134	2.232	1/8	1/4
2-3/4	16	.065	2.620	1/8	1/4
2-3/4	13	.095	2.560	1/8	1/4
2-3/4	11	.120	2.510	1/8	1/4
2.875	2-1/2 Pipe	.203	2.469	1/8	1/4
3	18	.049	2.902	1/8	1/4
3	16	.065	2.870	1/8	1/4
3	14	.083	2.834	1/8	1/4
3	13	.095	2.810	1/8	1/4
3	11	.120	2.760	1/8	1/4

## HL

### Blind Hole Bearings, Long

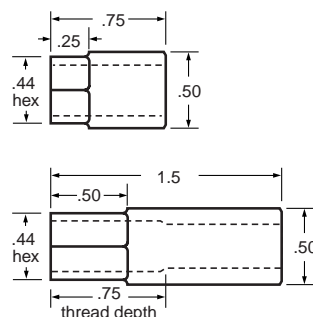
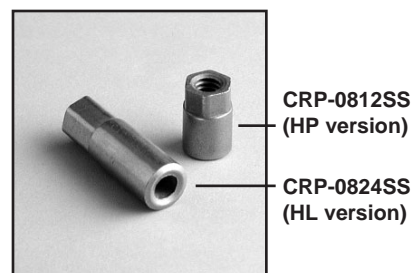
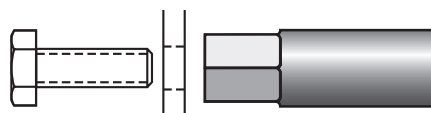


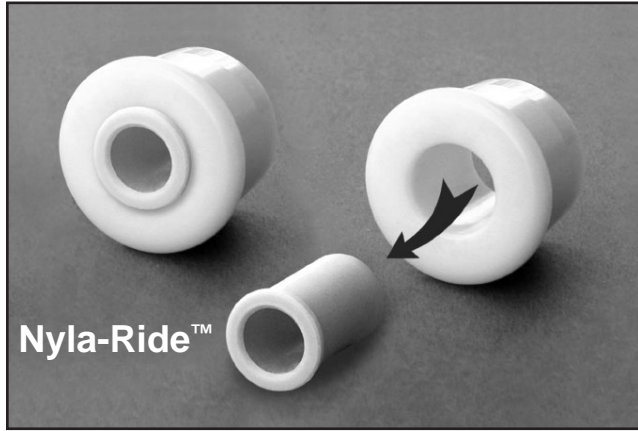
Part Number	C
HL-174	1-7/8
HL-175	1-7/8
HL-204	1-7/8
HL-220	1-7/8
HL-233	1-3/4
HL-234	1-3/4
HL-235	1-3/4
HL-253	1-3/4
HL-254	1-3/4
HL-255	1-3/4
HL-264	1-3/4
HL-270	
HL-283	1-3/4
HL-284	1-3/4
HL-285	1-3/4
HL-288	1-3/4
HL-304	1-3/4
HL-333	1-3/4
HL-334	1-3/4
HL-335	1-3/4

## CRP

### Stainless Steel Roller Stub Shafts

Available for use in blind hole bearings. Our standard parts are 1/2 inch dia. and are available in two lengths, 3/4 inch and 1-1/2 inch. A 7/16 inch hex section is provided on the outside portion so that an open end wrench may be used to tighten the pin against the conveyor frame using a 5/16 inch UNC bolt.





**Nyla-Ride™**

Nyla-Ride™ is a new lubricated nylon material that combines the strength properties of nylon with a lower coefficient of friction.

## NT, NB

### ABS End Cap with Nyla-Ride™ Bearing Insert

Used to fill the ends of the larger PVC tube sizes so that a small inexpensive flanged bearing can be used. Parts are available for five standard PVC conveyor roller sizes from 1.90" to 2-7/8" dia.

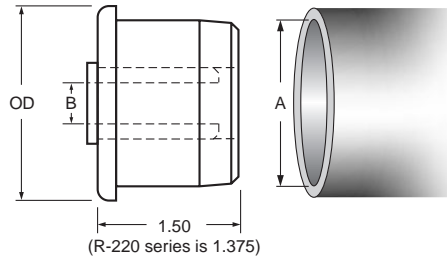
Replace the insert and reuse the roller!

1/2" .50

1/4" pipe .54

5/8 .625

Shaft sizes available



### Thru Bore

Part Number	Roller OD	A Tube ID	B Bore Dia.	Tube Name
NT4-R220	1.9	1.61	1/2	1-1/2" sch. 40 pipe
NT4.5-R220	1.9	1.61	9/16	1-1/2" sch. 40 pipe
NT5-R220	1.9	1.61	5/8	1-1/2" sch. 40 pipe
NT4-R221	1.9	1.5	1/2	1-1/2" sch. 80 pipe
NT4.5-R221	1.9	1.5	9/16	1-1/2" sch. 80 pipe
NT5-R221	1.9	1.5	5/8	1-1/2" sch. 80 pipe
NT4-R250	2-1/4	1.94	1/2	2-1/4" exact pipe
NT4.5-R250	2-1/4	1.94	9/16	2-1/4" exact pipe
NT5-R250	2-1/4	1.94	5/8	2-1/4" exact pipe
NT4-R270	2-3/8	2.07	1/2	2" sch. 40 pipe
NT4.5-R270	2-3/8	2.07	9/16	2" sch. 40 pipe
NT5-R270	2-3/8	2.07	5/8	2" sch. 40 pipe
NT4-R271	2-3/8	1.94	1/2	2" sch. 80 pipe
NT4.5-R271	2-3/8	1.94	9/16	2" sch. 80 pipe
NT5-R271	2-3/8	1.94	5/8	2" sch. 80 pipe
NT4-R280	2-1/2	2.20	1/2	2-1/4" sch. 40 pipe
NT4.5-R280	2-1/2	2.20	9/16	2-1/4" sch. 40 pipe
NT5-R280	2-1/2	2.20	5/8	2-1/4" sch. 40 pipe
NT4-R320	2-7/8	2.47	1/2	2-1/2" sch. 40 pipe
NT4.5-R320	2-7/8	2.47	9/16	2-1/2" sch. 40 pipe
NT5-R320	2-7/8	2.47	5/8	2-1/2" sch. 40 pipe

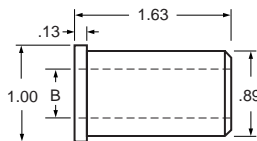
### Blind Bore

Part Number	Roller OD	A Tube ID	B Bore Dia.	Tube Name
NB4-R220	1.9	1.61	1/2	1-1/2" sch. 40 pipe
NB4.5-R220	1.9	1.61	9/16	1-1/2" sch. 40 pipe
NB5-R220	1.9	1.61	5/8	1-1/2" sch. 40 pipe
NB4-R221	1.9	1.5	1/2	1-1/2" sch. 80 pipe
NB4.5-R221	1.9	1.5	9/16	1-1/2" sch. 80 pipe
NB5-R221	1.9	1.5	5/8	1-1/2" sch. 80 pipe
NB4-R250	2-1/4	1.94	1/2	2-1/4" exact pipe
NB4.5-R250	2-1/4	1.94	9/16	2-1/4" exact pipe
NB5-R250	2-1/4	1.94	5/8	2-1/4" exact pipe
NB4-R270	2-3/8	2.07	1/2	2" sch. 40 pipe
NB4.5-R270	2-3/8	2.07	9/16	2" sch. 40 pipe
NB5-R270	2-3/8	2.07	5/8	2" sch. 40 pipe
NB4-R271	2-3/8	1.94	1/2	2" sch. 80 pipe
NB4.5-R271	2-3/8	1.94	9/16	2" sch. 80 pipe
NB5-R271	2-3/8	1.94	5/8	2" sch. 80 pipe
NB4-R280	2-1/2	2.20	1/2	2-1/4" sch. 40 pipe
NB4.5-R280	2-1/2	2.20	9/16	2-1/4" sch. 40 pipe
NB5-R280	2-1/2	2.20	5/8	2-1/4" sch. 40 pipe
NB4-R320	2-7/8	2.47	1/2	2-1/2" sch. 40 pipe
NB4.5-R320	2-7/8	2.47	9/16	2-1/2" sch. 40 pipe
NB5-R320	2-7/8	2.47	5/8	2-1/2" sch. 40 pipe

### Color Coded inserts for easy bore size identification!

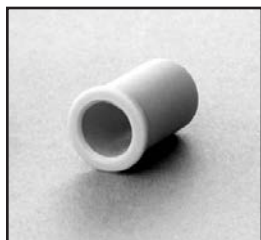
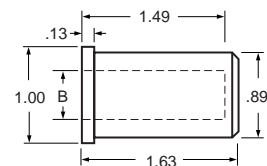
#### Nyla-Ride™ Bearing Insert

Through bore. Used with ABS end cap.

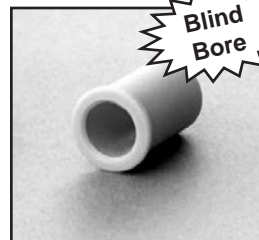


#### Nyla-Ride™ Bearing Insert

Blind bore. Used with ABS end cap.



Part Number	Color	B (Bore Dia.)
NT-4	Orange	1/2
NT-4.5	Green	9/16
NT-5	Blue	5/8



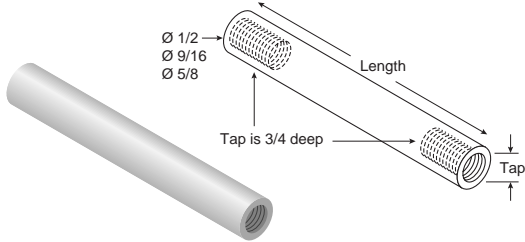
Part Number	Color	B (Bore Dia.)
NB-4	Orange	1/2
NB-4.5	Green	9/16
NB-5	Blue	5/8



## CR4

### Round Roller Shafts

Female threads on both ends.

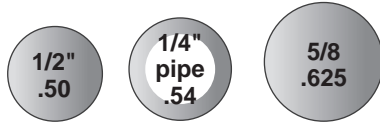


Material: 303 stainless steel.

Ø 1/2" Part Number	Length	Tap
VF-CR4-SS-0325-516	3.50	5/16-18
VF-CR4-SS-0325-38	3.50	3/8-16
VF-CR4-SS-0400-516	4.25	5/16-18
VF-CR4-SS-0400-38	4.25	3/8-16
VF-CR4-SS-0450-516	4.75	5/16-18
VF-CR4-SS-0450-38	4.75	3/8-16
VF-CR4-SS-0600-516	6.25	5/16-18
VF-CR4-SS-0600-38	6.25	3/8-16
VF-CR4-SS-0750-516	7.75	5/16-18
VF-CR4-SS-0750-38	7.75	3/8-16

Ø 9/16" Part Number	Length	Tap
VF-CR4.5-SS-0325-38	3.50	3/8-16
VF-CR4.5-SS-0400-38	4.25	3/8-16
VF-CR4.5-SS-0450-38	4.75	3/8-16
VF-CR4.5-SS-0600-38	6.25	3/8-16
VF-CR4.5-SS-0750-38	7.75	3/8-16

Ø 5/8" Part Number	Length	Tap
VF-CR5-SS-0325-38	3.50	3/8-16
VF-CR5-SS-0400-38	4.25	3/8-16
VF-CR5-SS-0450-38	4.75	3/8-16
VF-CR5-SS-0600-38	6.25	3/8-16
VF-CR5-SS-0750-38	7.75	3/8-16

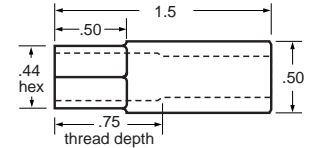
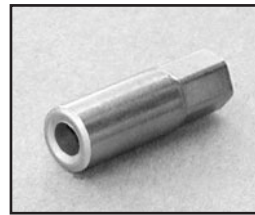


Shaft sizes available

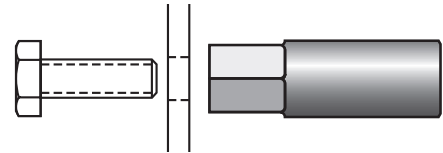
## CRP

### Stainless Steel Roller Stub Shaft

For use in blind hole bearings. Stub shaft is 1/2 inch dia. and an 1-1/2 inch in length. A 7/16 inch hex section is provided on the outside portion so that an open end wrench may be used to tighten the pin against the conveyor frame using a 5/16 inch UNC bolt.



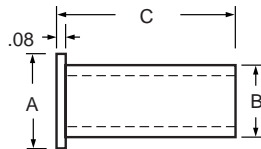
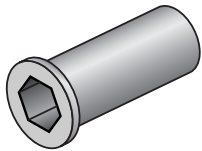
CRP-0824SS



## HXA

### Steel Hex Shaft Adapters

Used to slip over hex shafting so that the outside diameter of the adapter becomes a journal surface on which the bearing in the roller can rotate. Parts are available in both carbon and 316 stainless steel.



Part Number	Material	Hex Shaft	A Dia.	B Dia.	C Length
HXA-522SS	stainless steel	5/16"	3/4"	0.565	1-3/8"
HXA-722	steel	7/16"	13/16"	0.628	1-3/8"
HXA-732	steel	7/16"	13/16"	0.628	2"
HXA-732SS	stainless steel	7/16"	13/16"	0.628	2"
HXA-1132	steel	11/16"	1-1/8"	0.94	2"
HXA-1132SS	stainless steel	11/16"	1-1/8"	0.94	2"

### Nolu-S Hex Shaft Adapter

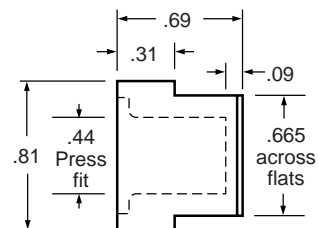
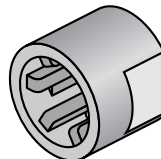
Nolu-S hex shaft adapters are primarily designed for use with Nolu Acetal plastic bearings. In use, an oil film is generated at the bearing surface which reduces friction and wear. The service temperature range is normally between -10 °F and +140 °F. Steel hex adapters should be used where there is a high concentration of abrasive particles.

HXA-721S	Nolu-S	7/16"	7/8"	0.625	1-3/8"
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## FF-166

### ABS Shaft Caps

Used on the ends of 7/16" hex or round shafts. They provide a simple method of retaining the shaft in the roller assembly. Primarily they are designed to offer a means of mounting the roller in the side frames, in a way that metal to metal contact can be avoided. With an 11/16" wide, open ended slot in the side frame, wear and noise can be eliminated.





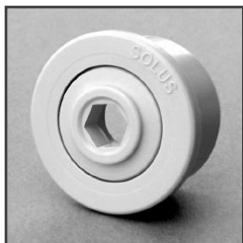
## "Off The Shelf" Roller Components

### NBB

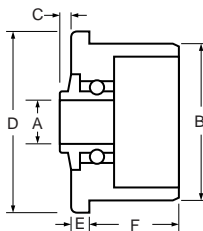
#### Plastic Ball Bearings

Designed for use with Nolu PVC tubing. Standard bearings use high performance Acetal Races and 420 stainless alloy balls. The same bearings are avail-

able with Polypropylene races and 316 stainless steel balls for use in highly corrosive environments such as battery manufacturing plants. However, custom made bearings can be designed to meet your needs.



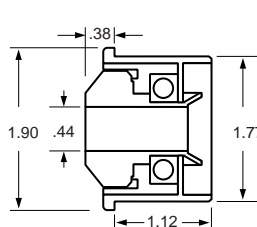
Part Number	Material	B Dia.	C	D Dia.	E	F	A Shaft
NBB-110	Acetal	.63	.125	.81	.06	.625	1/4" dia.
NBB-130	Acetal	.83	.10	1.06	.12	.625	5/16" hex
NBB-145	Acetal	1.03	.125	1.18	.118	.729	5/16" dia.
NBB-150	Acetal	1.06	.125	1.31	.187	.750	5/16" hex
NBB-220	Acetal	1.62	.12	1.90	.185	.935	7/16" hex
SPB-220	Polypropylene	1.62	.12	1.90	.185	.935	7/16" hex



### LSB

#### Labyrinth Sealed Ball Bearings

Designed for use with carbon or stainless steel tubing. These bearing assemblies are created using a unique 3 piece housing which makes it extremely difficult for contaminants to reach the core bearing. These roll end bearings can be ordered with a variety of bearing inserts.

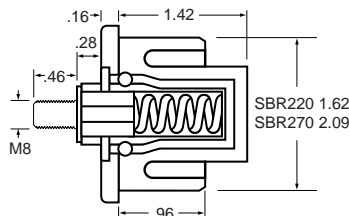


Part Number	Description	Shaft Size
222LSB-224-01	HDPE housing with carbon steel caged bearing insert	7/16
222LSB-224-02	HDPE housing with carbon steel double shielded bearing insert	7/16
222LSB-224-03	HDPE housing with carbon steel double rubber sealed bearing insert	7/16

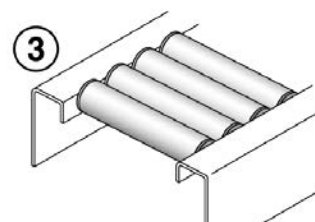
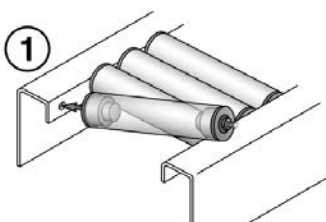
### SBR

#### Stub Shaft Ball Bearings

Designed for use in light duty gravity applications. The stainless steel stub shafts are spring loaded to ease the assembly into a frame which has been threaded to accept the M8 roller shaft threads. Acetal housing.



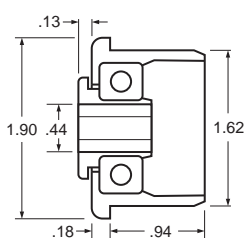
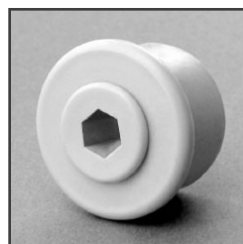
Part Number	OD
SBR-220	1.90"
SBR-270	2.37"



### HPR

#### High Performance Ball Bearings

Designed for use with Nolu PVC tubing. These bearings are fitted with a special polypropylene housing assembly incorporating a high performance, shielded 6000 series ball bearing. This bearing is ideal for continuous use in driven systems and the precision bearing can also be used in gravity applications.



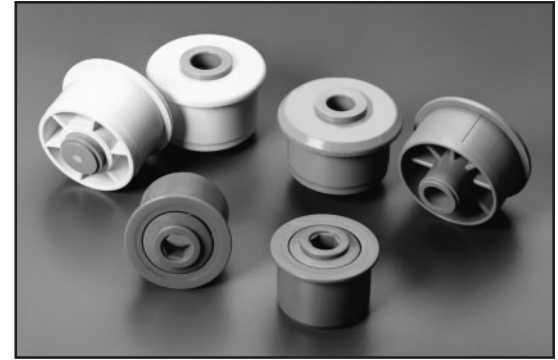
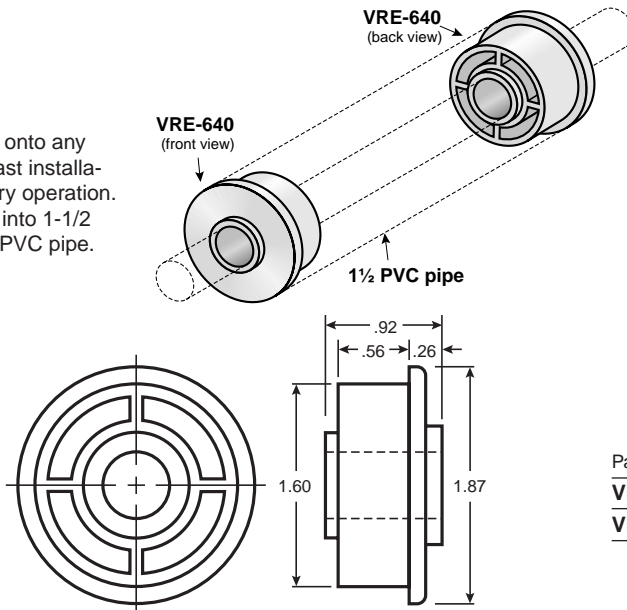
Part Number	Shaft Size
HPR-220	7/16"



## VRE

### Roller Ends

Easily assembled onto any lengths of pipe. Fast installation. Quiet, sanitary operation. Glue fit assembly into 1-1/2 inch schedule 40 PVC pipe. Thru shaft bore.

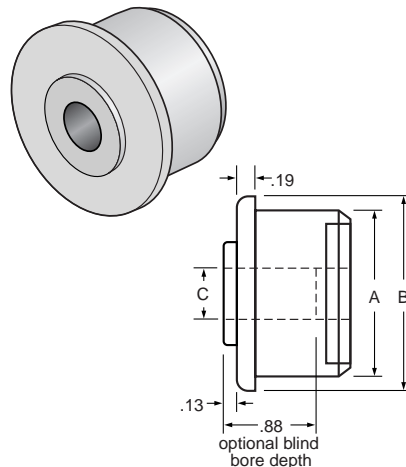


Part Number	Shaft	Tube Name
VRE-640-1540-12	1/2	1-1/2" sch. 40 PVC pipe
VRE-640-1540-58	5/8	1-1/2" sch. 40 PVC pipe

## NRB

### Acetal End Bearings

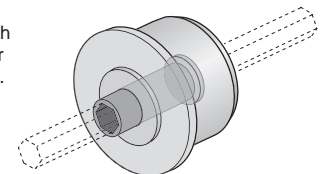
Inexpensive, injection molded conveyor roll bearings designed for light duty applications. However, with a 7/16" hex shaft, a low cost, higher performance roller can be produced by combining the Acetal bearing with a Nolu-S Hex Adapter. These Acetal bearings are available with various bore sizes and fit our most popular PVC tubing sizes.



Part Number	C Dia.	A Dia.	B Dia.	Tube Name
NRB-220/5	5/16	1.62	1.90	1-1/2" sch. 40 pipe
NRB-220/8	1/2	1.62	1.90	1-1/2" sch. 40 pipe
NRB-220/8B*	1/2	1.62	1.90	1-1/2" sch. 40 pipe
NRB-220/9	9/16	1.62	1.90	1-1/2" sch. 40 pipe
NRB-220/10**	5/8	1.62	1.90	1-1/2" sch. 40 pipe
NRB-270/8	1/2	2.09	2.37	2" sch. 40 pipe
NRB-270/8B*	1/2	2.09	2.37	2" sch. 40 pipe
NRB-270/10**	5/8	2.09	2.37	2" sch. 40 pipe

\*Blind bore

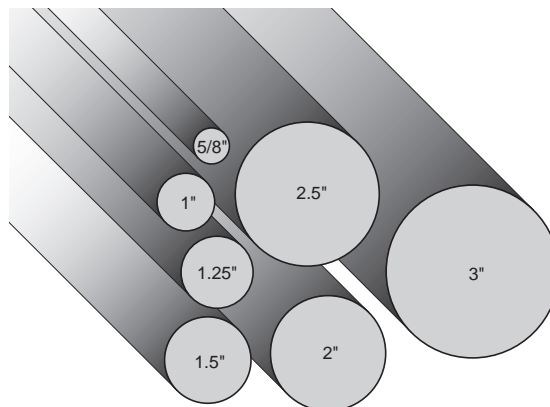
\*\*Can be used in conjunction with Nolu-S hex adapter, part number HXA-721S, and a 7/16 hex shaft.



## Nolu-S Rod

### Nolu-S Rod

Nolu-S material and its outstanding characteristics; low friction, higher speed capability, self lubrication, is available in bulk extruded rod form. These rods are ideal for machining various types of plastic components including roller end bearings.



Part Number	Diameter (in.)	Length (ft.)
012R10A-5	5/8	5
012R16A-5	1	5
012R20A-5	1-1/4	5
012R24A-5	1-1/2	5
012R32A-5	2	5
012R40A-5	2-1/2	5
012R48A-5	3	5
012R10A-10	5/8	10
012R16A-10	1	10
012R20A-10	1-1/4	10
012R24A-10	1-1/2	10
012R32A-10	2	10
012R40A-10	2-1/2	10
012R48A-10	3	10



## Sleeve Bearings or Ball Bearings?

Bearing selection is the key to improved conveyor roller performance and the elimination of downtime. Bearing performance depends not only on the use of an engineered bearing material, but also on the material selected for the mating surface.

### Sleeve Bearing Types

#### Nolu-S Plastic Sleeve Bearings

Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA. These bearings are used in the highest performance units produced by Solus Industrial Innovations.

#### Nyla-Ride™ Bearing Inserts

Nyla-Ride™ is a new lubricated nylon material that combines the strength properties of nylon with a lower coefficient of friction. Color coding easily identifies the bore size.

#### UHMW Plastic Sleeve Bearings

The most abrasion resistant plastic ever developed. At slow speeds these bearings provide wear resistance where there is a high concentration of abrasive particles. However, as the conveyor speed increases, Nolu-S bearings must be used to reduce friction and wear.

#### Arguto-K Impregnated Wood Sleeve Bearings

Made from hardwood maple, impregnated with fluid lubricants. These bearings are the most stable under heavy loads and can be used in high speed conveyors. Like Nolu-S bearings, they generate an oil film on demand through frictional heat. This results in reduced friction and wear. The oil film also protects any metal mating surface from rusting, which can cause additional wear.

#### Nolu Acetal Plastic Bearing

Inexpensive, injection molded conveyor roll bearings designed for light duty applications. However, with a 7/16" hex shaft, a low cost, higher performance roller can be produced by combining the Acetal bearing with a Nolu-S Hex Adapter. These Acetal bearings are available with various bore sizes and fit our most popular PVC tubing sizes.

### Ball Bearing Types

#### Nolu Plastic Ball Bearings

Designed for use with the Nolu PVC tubing. Standard bearings use high performance Acetal Races and 420 stainless alloy balls. The same bearings are available with Polypropylene races and 316 stainless steel balls for use in highly corrosive environments such as battery manufacturing plants. However, custom made bearings can be designed to meet your needs.

#### LSB Ball Bearing

Designed for use with 1.9 diameter, 16 gauge tubing. This revolutionary three piece housing design makes it increasingly difficult for abrasives and contaminants to reach the bearing insert. A variety of 6000 Series inserts can be provided.

#### HPR-220 Nolu High Performance Ball Bearings

A special high performance ball bearing assembly designed to be used in many demanding applications. This bearing assembly consists of a high performance 6000 Series shielded ball bearing encased in a reinforced Polypropylene housing. This configuration provides the lowest coefficient of friction, excellent load capacity, and high speed capabilities. It is available to fit our most popular PVC size and comes standard with a 7/16" hex bore.

### Roller Tubes

#### High Impact PVC Tube

Available in nine standard diameters ranging from 13/16" to 2-7/8" dia. The recommended load capacity at room temperature is shown in chart #1, the service temperature range being between -10°F and +140°F.

#### Steel Reinforcing Tube

Used to increase the stiffness of the above PVC tubing by a factor of 10. This tube is made of carbon steel and therefore must be encapsulated by using blind hole bearings if corrosion is anticipated. The recommended capacity of our standard PVC rollers should never be exceeded (max. 200lbs./roller).

### Roller Components

#### ABS Plastic End Plug

Used to fill the ends of the larger PVC tube sizes so that a small inexpensive flanged bearing can be used. Parts are available for five standard PVC conveyor roller sizes from 1.90" to 2-7/8" dia.

#### Steel Hex Adapters

Used to slip over hex shafting so that the outside diameter of the adapter becomes a journal surface on which the bearing in the roller can rotate. Parts are available for 5/16" hex, 7/16" hex and 11/16" hex assemblies in both carbon and 316 stainless steel.

#### Nolu-S Plastic Hex Adapters

Also used to slip over 7/16" hex shafting. They are primarily designed for use with Nolu Acetal plastic bearings. In use, an oil film is generated at the bearing surface which reduces friction and wear. The service temperature range is normally between -10°F and +140° F. Steel hex adapters should be used where there is a high concentration of abrasive particles.

#### Stainless Steel Roller Stub Shafts

Available for use in blind hole bearings. Our standard parts are Ø1/2" and are available in two lengths, 3/4" and 1-1/2". A 7/16" hex section is provided on the outside portion so that a "C" wrench may be used to tighten the pin against the conveyor frame using a 5/16" UNC bolt.

#### ABS Plastic Shaft Caps

Used on the ends of 7/16" hex or round shafts. They provide a simple method of retaining the shaft in the roller assembly. Primarily they are designed to offer a means of mounting the roller in the side frames in a way that metal to metal contact can be avoided. With an 11/16" wide, open ended slot in the side frame, noise and frame wear can be eliminated.

#### UHMW Sprockets

Available to custom fit our standard rollers to a driven system. These UHMW sprockets are problem solvers in dirty or corrosive environments. They extend the life of the chain and are much quieter.

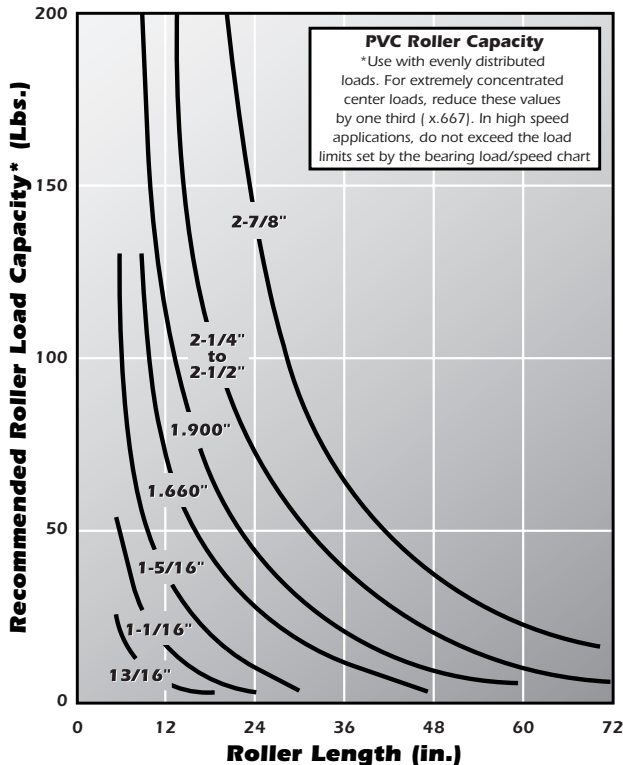


A roller should be selected which will provide maximum rigidity within normal design limitations. Choose the largest diameter possible and keep the length to a minimum. This will minimize deflection in the roller and transmit more even loading to the bearings. However, many bearing failures can be attributed, in part, to design loads which were based solely on the strength

of the tube stock without regard for bearing capacity. The recommended maximum roller load capacity is the lower of the two readings from Chart #1 and Chart #2. Nolu produces a steel reinforced version of these rollers which will increase the capacity from Chart #1 by a factor of 10. Nolu PVC rollers can be designed to carry up to 200 lbs.

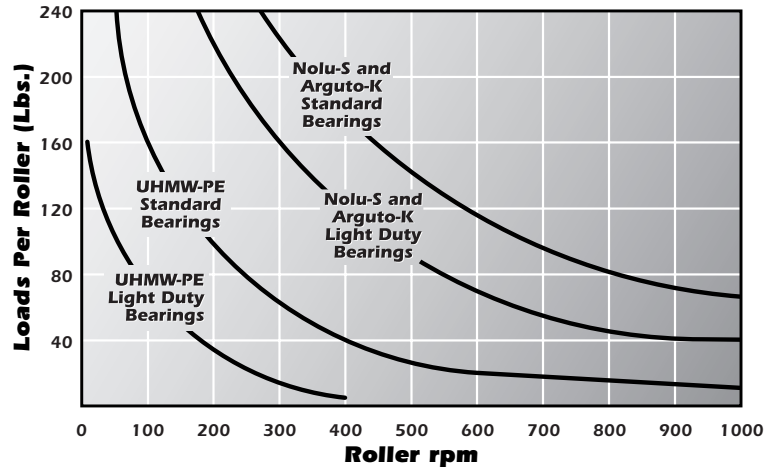
**Chart #1**

This chart shows the load capacity of our High-Impact PVC Tubing



**Chart #2**

This chart identifies the performance limitations of our high performance sleeve bearings



## Bearing Service Life

Surface Speed (feet per minute)	Radial Load (lbs. per roller)			Static Load Capacity
	5	10	15	
30	58,000 hours	29,000 hours	23,000 hours	45 lbs.
60	29,000 hours	14,000 hours	11,000 hours	45 lbs.
100	17,000 hours	8,000 hours	7,000 hours	45 lbs.

**Table #1**

Estimated average bearing life for Nolu plastic ball bearings in a clean environment. Bearing life will be reduced by impact loads and by exposure to contamination. With longer rollers the load capacity may be limited to the rigidity of the PVC tube, see chart #1 above.



# Roller Components

Standard and custom roller options are shown in the chart below.

			Roller Type																				
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	S	T	U	V	
Shaft	Shape	7/16 hex	●		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		5/16 hex			●	●																	
		1/2 round	●	●	●			●	●	●		●		●		●	●	●					
		5/8 round		●																			
		1/4 round				●																	
		Other round					*	●															
	Material	Carbon steel	●		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		304 stainless	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		316 stainless	●		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Through (included)	●		●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Stub (sold separately)		●				●																	
Hex adapter available	●		●				●	●		●		●		●	●	●							
Roller	Diameter	.81			●			●		◆													
		1.06			●			●															
		1.19			●			●															
		1.31			●																		
		1.66							●														
		1.90	●	●	●	●	●	●	●	●				●	●	●	●	●	●	◆	◆	●	
		2.25	●	●					●							●	●						
		2.38	●	●	●		●	●	●							●	●	●					
		2.50	●	●					●							●	●						
		2.88	●	●					●							●	●						
	Material	PVC	●	●		●	●	●	●			●	●	●	●	●	●	●	●			●	
		Aluminum			●						●										●		●
		UHMW			●																●		
		Stainless steel								●	●												
		Carbon steel								●	●			●	●								●
Urethane																						●	
Tapered											●	●									●		
With sprocket															●	●							
Grooved																		●					
Bearing	Type	Sleeve			●		●		●		●		●										
		ABS plug with sleeve	●	●				●							●	●	●						
		Ball				●	●					●		●					●	●		●	
		Ball, sealed									●											●	
	Material	Plastic with metal balls				●	●			●		●		●					●	●	●	●	
		UHMW	●	●	●				●		●		●		●	●	●						
		Nolu-S UHMW	●	●	●				●		●		●		●	●	●						
		Arguto-K wood	●	●	●						●		●		●	●	●						
		ABS						●	●														

\* 5/16 threaded stub shaft included

◆ Roller diameter depends on bearing selection

◆ 2.0 inches

Conveyor Rollers





## Section Overview

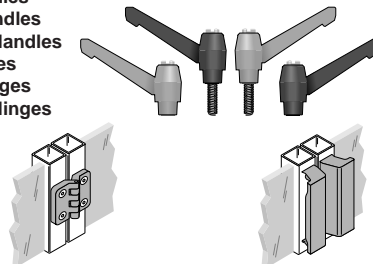
### Levelers and Sub-Structures ... Page 202

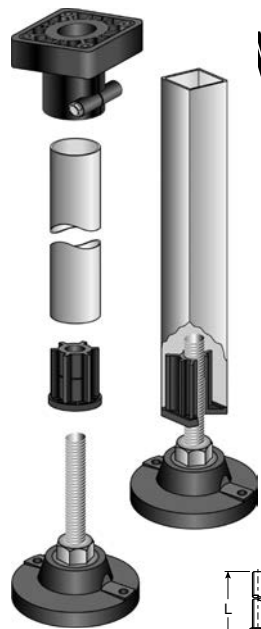
- Threaded Tube Ends and Caps
- Support Levelers
- Vibration Pads
- Metal Levelers
- Threaded Rod
- Post Caps
- Tripod Base
- Sanitary Leg
- Articulating Levelers
- Loc-A-Lign Series Levelers
- Solid Base Levelers
- Socket Style Levelers
- Adjustable Glides
- Leg Tie
- Bipod Bases



### Handles and Hinges ... Page 228

- Ratchet Handles
- Standard Handles
- Heavy Duty Handles
- Safety Handles
- Standard Hinges
- Heavy Duty Hinges





## Leveler Advantages:

### ✓ Loc-A-Lign™

Designed for conditions where the foot is exposed to severe lateral impact or upward pressure such as frequent relocation or transporting of equipment. A fastener attached to the stem through the base is used to help prevent separation of the base from the stem.

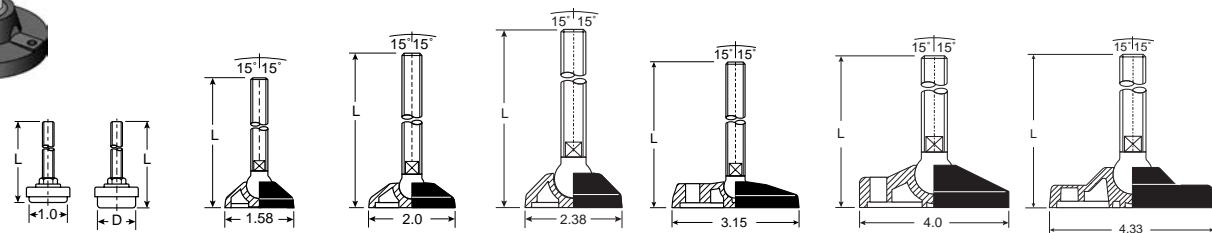


### ✓ Stem Materials

All leveler stems are available in either 300 series stainless steel for total protection against severe environments or zinc plated steel for economical corrosion resistance.

### ✓ Base Materials

Corrosion resistant, reinforced polyamide offers superior strength and can operate continuously in temperatures up to 190° F. The VG-525 base material is cast Nylathane. The design allows the levelers to carry loads up to 7,200 pounds. Metal bases are either 300 series stainless steel or zinc plated steel and have load capacities up to 22,000 pounds.



Part Number	VG-580	VG-533	VG-537	VG-501	VG-505	VG-511	VG-518
<b>Static Load (lbs)</b> <small>2:1 safety factor included</small>	100 300	700	700	2000	2000	2600	4000
<b>Available Thread Sizes</b>	5/16-18 3/8-16 (D=1.5)	3/8-16 M10 1/2-13 M12 5/8-11 M16	3/8-16 M10 1/2-13 M12 5/8-11 M16	1/2-13 M12 5/8-11 M16 3/4-10 M20	3/8-16 M10 1/2-13 M12 5/8-11 M16	1/2-13 M12 5/8-11 M16 3/4-10 M20	1/2-13 M12 5/8-11 M16 3/4-10 M20
<b>Overall Length (L) ±1/8"</b> <small>Note: Not all thread sizes are available in all lengths</small>	2.13" 2.31" 3.06" 3.98"	3.70"	3.90" 6.10"	4.54" 6.22" 7.71" 10.71"	3.74" 5.93"	4.52" 6.20" 7.69" 10.69"	4.68" 6.36" 7.85" 10.85"
<b>Articulation</b>	N/A	±15°	±15°	±15° Loc-A-Lign ±5°	±15°	±15° Loc-A-Lign ±5°	±15° Loc-A-Lign ±5°
<b>Loc-A-Lign™ Available</b>	N/A	N/A	N/A	Yes	N/A	Yes	N/A
<b>Vibration Pad</b>	Standard on VG-580	VG-534	VG-538	VG-504	VG-506	VG-512	VG-516
<b>Lag Holes Available</b>	N/A	N/A	N/A	N/A	Double	Single, Double	N/A
<b>Page Number</b>	221	205	205	206	207	208-211	213
<b>Solid Base Available</b>	N/A	N/A	N/A	VG-501D page 216	VG-505D page 217	N/A	N/A
<b>Socket Style</b>	N/A	N/A	N/A	VG-501B page 218	N/A	VG-511B page 218	N/A

### ✓ Lag Holes

Selected bases are available with single or double lag holes. Single lag holes are especially convenient when access to the base for anchoring purposes is limited.



### ✓ Threaded Tube Ends

Easily installed on either round or square tubing, tube ends make it easy to add levelers to most conveyor or machinery supports. Simply place the friction fit tube end into the tubing and knock together with a rubber hammer.

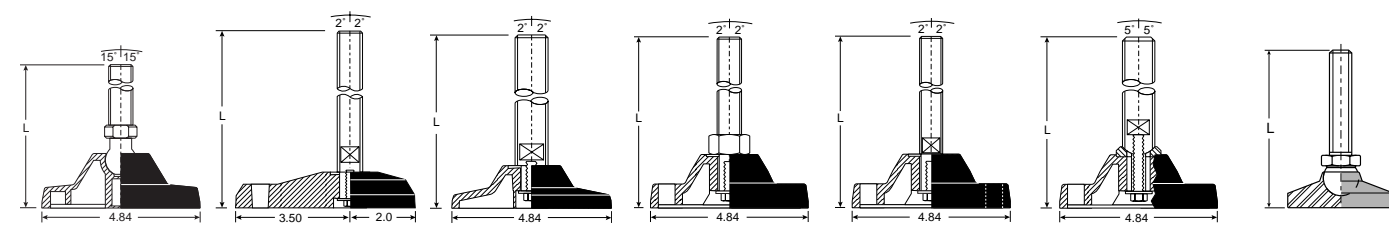
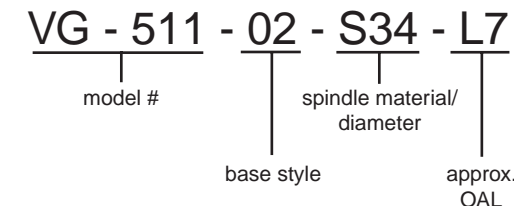


### ✓ Socket Style Bases

Sockets available in stainless or plated steel. For those applications where an existing stud is present or a custom spindle is required, we can provide a socket style base. Threaded rod for all socket sizes are available in carbon, zinc plated or stainless steel.



### Leveler Ordering Information:

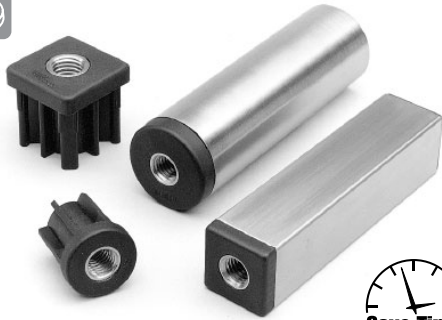


Part Number	VG-513	VG-525	VG-517-K	VG-520	VG-520-K	VG-520-T	VG-590 Series
<b>Static Load (lbs)</b>	4400	7200	7000	7000	7000	7000	5000 - 22000
<b>Available Thread Sizes</b>	3/4-10 M20 1-8 M24	3/4-10 M20 1-8 M24 1 1/8-7 1 1/4-7	3/4-10 M20 1-8 M24 1 1/8-7 1 1/4-7	3/4-10 M20 1-8 M24	3/4-10 M20 1-8 M24 1 1/8-7 1 1/4-7	1-8 M24 1 1/8-7 1 1/4-7	1/2-13 M12 5/8-11 M16 3/4-10 M20 1-8
<b>Overall Length (L) ±1/8"</b>	5.53" 7.03" 8.15" 8.52" 11.52"	7.25"	7.50"	5.97" 7.48" 10.07"	7.50"	7.45" 9.95" 11.95"	1.5" - 9.88"
<b>Articulation</b>	±15°	±3°	±2°	±2°	±2°	±5°	±15°
<b>Loc-A-Lign™ Available</b>	N/A	N/A	N/A	N/A	N/A	Yes	N/A
<b>Vibration Pad</b>	VG-514 VG-514N	N/A	VG-514 VG-514N	VG-514 VG-514N	VG-514 VG-514N	VG-514 VG-514N	N/A
<b>Lag Holes Available</b>	N/A	Single	N/A	Double	Double	Double	N/A
<b>Page Number</b>	212	217	214	214	215	215	220-221
<b>Solid Base Available</b>	N/A	VG-525 Page 217	N/A	N/A	N/A	N/A	Standard
<b>Socket Style</b>	VG-513B page 219	N/A	N/A	N/A	N/A	N/A	590B series page 221

Machine & Equip. Components

Machine & Equip. Components

# Threaded Tube Ends and Caps



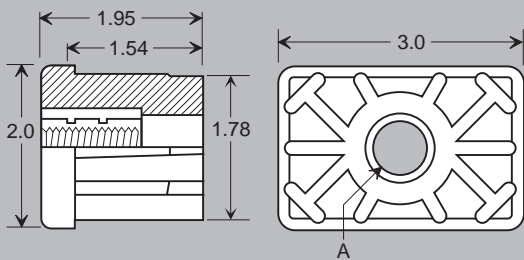
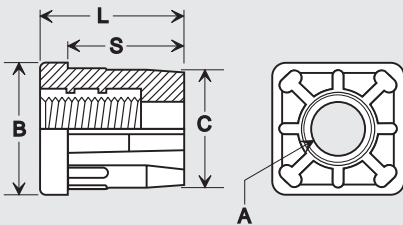
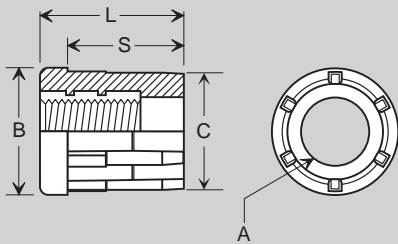
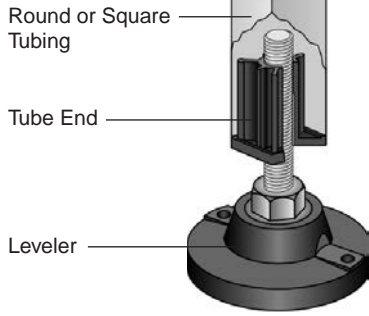
**550**  
**Threaded Tube Ends**  
 Conveyor and machinery support for use with Valu Guide adjustable levelers.

**No welding, drilling or tapping!**

**Material:** Reinforced polyamide with brass threaded insert.

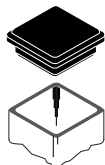
**Save Time & Labor!**

**TYPICAL ASSEMBLY**



Part Number	A	B	C	L	S	Tube Size	Static Load	
VG-550-B38	3/8-16	1.50"	1.37"	1.71"	1.38"		1000 lbs.	
VG-550-B12	1/2-13							
VG-550-B58	5/8-11							
VG-550-B34	3/4-10							
VG-550-BM16	M16							
VG-550-BM20	M20	1.78"	1.97"	1.69"	1.95"	1.54"		1760 lbs.
VG-558-B38	3/8-16							
VG-558-B12	1/2-13							
VG-558-B58	5/8-11							
VG-558-B34	3/4-10							
VG-558-BM16	M16							
VG-558-BM20	M20	1.91"	1.97"	1.69"	1.95"	1.54"		1760 lbs.
VG-551-B38	3/8-16							
VG-551-B12	1/2-13							
VG-551-B58	5/8-11							
VG-551-B34	3/4-10							
VG-551-BM16	M16							
VG-551-BM20	M20	1.91"	1.97"	1.69"	1.95"	1.54"		1000 lbs.
VG-554-B38	3/8-16							
VG-554-B12	1/2-13							
VG-554-B58	5/8-11							
VG-554-B34	3/4-10							
VG-554-BM16	M16							
VG-554-BM20	M20	1.50"	1.37"	1.71"	1.38"		1000 lbs.	
VG-552-B38	3/8-16							
VG-552-B12	1/2-13							
VG-552-B58	5/8-11							
VG-552-B34	3/4-10							
VG-552-BM16	M16							
VG-552-BM20	M20	1.26"	1.50"	1.71"	1.38"		1760 lbs.	
VG-553-B38	3/8-16							
VG-553-B12	1/2-13							
VG-553-B58	5/8-11							
VG-553-B34	3/4-10							
VG-553-BM16	M16							
VG-553-BM20	M20	1.87"	1.97"	1.96"	1.55"		1000 lbs.	
VG-555-B38	3/8-16							
VG-555-B12	1/2-13							
VG-555-B58	5/8-11							
VG-555-B34	3/4-10							
VG-555-BM16	M16							
VG-555-BM20	M20	1.78"	1.97"	1.96"	1.55"		1760 lbs.	
VG-556-B38	3/8-16							
VG-556-B12	1/2-13							
VG-556-B58	5/8-11							
VG-556-B34	3/4-10							
VG-556-BM16	M16							
VG-556-BM20	M20	1.78"	1.97"	1.96"	1.55"		1760 lbs.	
VG-561-B58	5/8-11							
VG-561-B34	3/4-10							
VG-561-BM16	M16							
VG-561-BM20	M20							

Machine & Equip. Components



## 560

### Tube Cap

This smooth plastic cap serves as a practical and aesthetic plug/cover for the ends of square tubing.

**Material:** ABS plastic.

Part Number	Tube (sq) x wall
VG-560-1.5-16	1-1/2" x .065"
VG-560-1.5-11	1-1/2" x .120"
VG-560-2.0-11	2" x .120"

*NOTE: Tube Ends provide a friction fit and should be installed with a rubber hammer.*



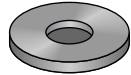
## 533

### Articulating Leveler

Support for light duty machines.

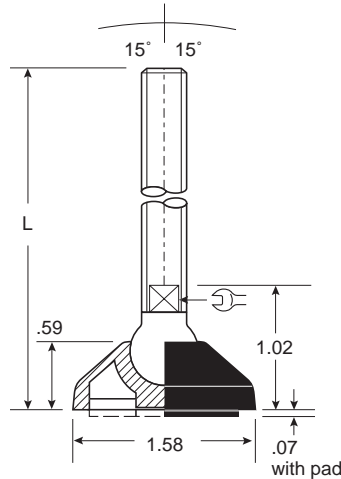
**Maximum Recommended Static Load: 700 lbs.**

*Includes 2:1 safety factor.*



### VG-534 Vibration Pad

Neoprene rubber.  
Fits any VG-533 series leveler.  
Sold separately. See [page 216](#).



**Base Material:** Reinforced polyamide

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-533-01-P38-L3	3/8-16	P		3.70"
VG-533-01-S38-L3	3/8-16		S	3.70"
VG-533-01-P12-L3	1/2-13	P		3.70"
VG-533-01-S12-L3	1/2-13		S	3.70"
VG-533-01-P58-L3	5/8-11	P		3.70"
VG-533-01-S58-L3	5/8-11		S	3.70"
VG-533-01-PM10-L3	M10	P		3.70"
VG-533-01-SM10-L3	M10		S	3.70"
VG-533-01-PM12-L3	M12	P		3.70"
VG-533-01-SM12-L3	M12		S	3.70"
VG-533-01-PM16-L3	M16	P		3.70"
VG-533-01-SM16-L3	M16		S	3.70"



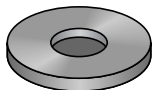
## 537

### Articulating Leveler

Support for light duty machines.

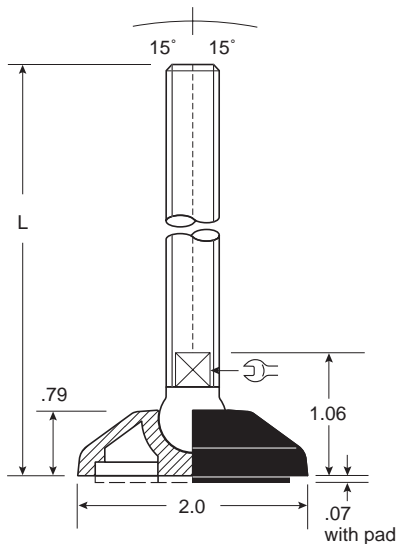
**Maximum Recommended Static Load: 700 lbs.**

*Includes 2:1 safety factor.*



### VG-538 Vibration Pad

Neoprene rubber.  
Fits any VG-537 series leveler.  
Sold separately. See [page 216](#).



**Base Material:** Reinforced polyamide

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-537-01-P38-L3	3/8-16	P		3.90"
VG-537-01-S38-L3	3/8-16		S	3.90"
VG-537-01-P12-L3	1/2-13	P		3.90"
VG-537-01-S12-L3	1/2-13		S	3.90"
VG-537-01-P12-L5	1/2-13	P		6.10"
VG-537-01-S12-L5	1/2-13		S	6.10"
VG-537-01-P58-L3	5/8-11	P		3.90"
VG-537-01-S58-L3	5/8-11		S	3.90"
VG-537-01-P58-L5	5/8-11	P		6.10"
VG-537-01-S58-L5	5/8-11		S	6.10"
VG-537-01-PM10-L3	M10	P		3.90"
VG-537-01-SM10-L3	M10		S	3.90"
VG-537-01-PM12-L3	M12	P		3.90"
VG-537-01-SM12-L3	M12		S	3.90"
VG-537-01-PM12-L5	M12	P		6.10"
VG-537-01-SM12-L5	M12		S	6.10"
VG-537-01-PM16-L3	M16	P		3.90"
VG-537-01-SM16-L3	M16		S	3.90"
VG-537-01-PM16-L5	M16	P		6.10"
VG-537-01-SM16-L5	M16		S	6.10"

# Adjustable Levelers — Light Duty

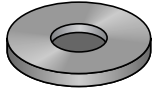


## 501

### Articulating Leveler

Conveyor and machinery support.  
Units with M16 threads may be used with VG-400 series bipods and tripods.

**Maximum Recommended Static Load: 2000 lbs.**  
*Includes 2:1 safety factor.*



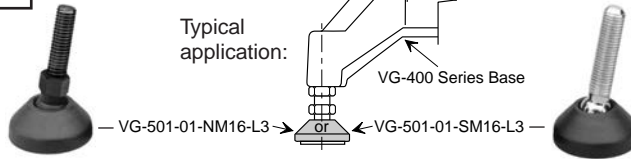
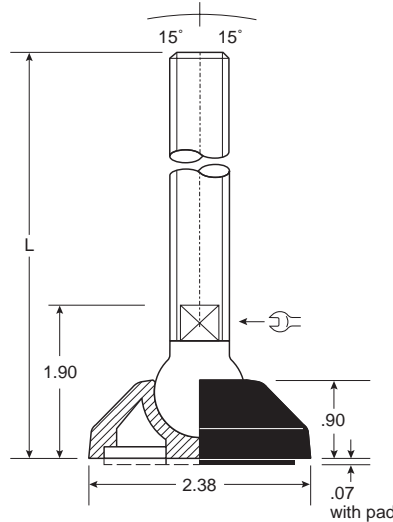
### VG-504 Vibration Pad

Neoprene rubber.  
Fits any VG-501 series leveler.  
Sold separately. See [page 216](#).

#### NOTE:

The VG-501 style levelers are available with the underside cavity entirely and permanently filled with urethane, adding 1/8" to the leveler height. Please specify by replacing base style -01

with a -U1 in the part number:  
VG-501-01-P12-L3 becomes VG-501-U1-P12-L3



#### Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-501-01-P12-L3	1/2-13	P		4.54"
VG-501-01-S12-L3	1/2-13		S	4.54"
VG-501-01-P12-L5	1/2-13	P		6.22"
VG-501-01-S12-L5	1/2-13		S	6.22"
VG-501-01-P58-L3	5/8-11	P		4.54"
VG-501-01-S58-L3	5/8-11		S	4.54"
VG-501-01-P58-L5	5/8-11	P		6.22"
VG-501-01-S58-L5	5/8-11		S	6.22"
VG-501-01-P58-L8	5/8-11	P		7.71"
VG-501-01-S58-L8	5/8-11		S	7.71"
VG-501-01-P34-L5	3/4-10	P		6.22"
VG-501-01-S34-L5	3/4-10		S	6.22"
VG-501-01-P34-L8	3/4-10	P		7.71"
VG-501-01-S34-L8	3/4-10		S	7.71"
VG-501-01-P34-L10	3/4-10	P		10.71"
VG-501-01-S34-L10	3/4-10		S	10.71"
VG-501-01-PM12-L3	M12	P		4.51"
VG-501-01-SM12-L3	M12		S	4.51"
VG-501-01-NM16-L3*	M16			4.51"
VG-501-01-PM16-L3	M16	P		4.51"
VG-501-01-SM16-L3	M16		S	4.51"
VG-501-01-PM16-L8	M16	P		7.71"
VG-501-01-SM16-L8	M16		S	7.71"
VG-501-01-PM20-L8	M20	P		7.71"
VG-501-01-SM20-L8	M20		S	7.71"

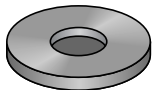
\*Stem material is Nylon.

## 501-T

### Loc-A-Lign™ Series Articulating Leveler

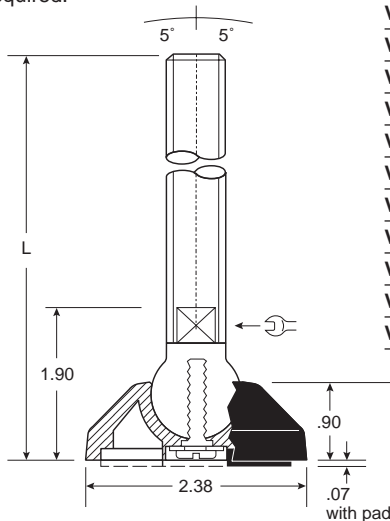
Conveyor and machinery support where resistance to stem pull-out is required.

**Maximum Recommended Static Load: 2000 lbs.**  
*Includes 2:1 safety factor.*



### VG-504 Vibration Pad

Neoprene rubber.  
Fits any VG-501 series leveler.  
Sold separately. See [page 216](#).



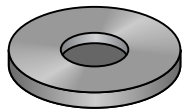
#### Base Material: Reinforced polyamide Loc-A-Lign Fastener: Stainless steel or zinc plated

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-501-01-P12-L5T	1/2-13	P		6.22"
VG-501-01-S12-L5T	1/2-13		S	6.22"
VG-501-01-P58-L5T	5/8-11	P		6.22"
VG-501-01-S58-L5T	5/8-11		S	6.22"
VG-501-01-P58-L8T	5/8-11	P		7.71"
VG-501-01-S58-L8T	5/8-11		S	7.71"
VG-501-01-P34-L5T	3/4-10	P		6.22"
VG-501-01-S34-L5T	3/4-10		S	6.22"
VG-501-01-P34-L8T	3/4-10	P		7.71"
VG-501-01-S34-L8T	3/4-10		S	7.71"
VG-501-01-P34-L10T	3/4-10	P		10.71"
VG-501-01-S34-L10T	3/4-10		S	10.71"



VG-505-01-

VG-505-02-



## VG-506 Vibration Pad

Neoprene rubber.  
Fits any VG-505 series leveler.  
Sold separately. See [page 216](#).

## 505

### Articulating Leveler

Conveyor and machinery support. Units with M16 threads, with or without lag holes, may be used with VG-400 series bipods and tripods.

#### Maximum Recommended

**Static Load: 2000 lbs.**

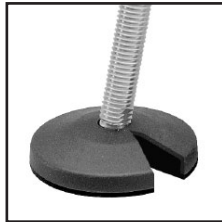
*Includes 2:1 safety factor.*

**Base Material:** Reinforced polyamide

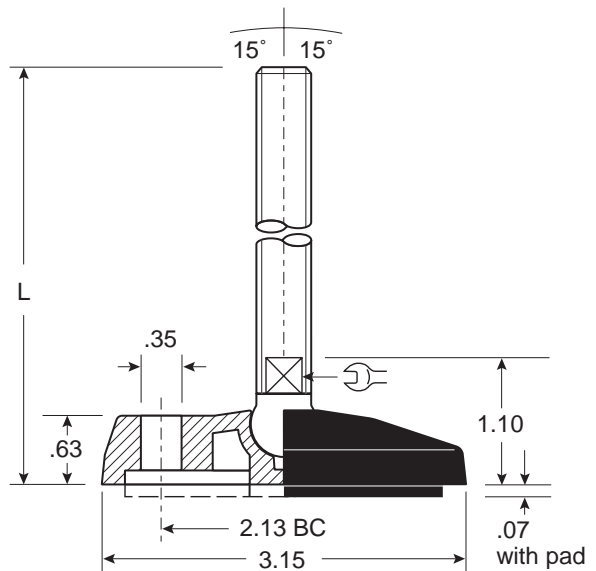
Part Number		Stem Thread	Stem Material		"L" Dim
Without Lag Holes	With Two Lag Holes		Zinc	Stainless	
VG-505-01-P38-L3	VG-505-02-P38-L3	3/8-16	P		3.74"
VG-505-01-S38-L3	VG-505-02-S38-L3	3/8-16		S	3.74"
VG-505-01-P12-L3	VG-505-02-P12-L3	1/2-13	P		3.74"
VG-505-01-S12-L3	VG-505-02-S12-L3	1/2-13		S	3.74"
VG-505-01-P12-L5	VG-505-02-P12-L5	1/2-13	P		5.93"
VG-505-01-S12-L5	VG-505-02-S12-L5	1/2-13		S	5.93"
VG-505-01-P58-L3	VG-505-02-P58-L3	5/8-11	P		3.74"
VG-505-01-S58-L3	VG-505-02-S58-L3	5/8-11		S	3.74"
VG-505-01-P58-L5	VG-505-02-P58-L5	5/8-11	P		5.93"
VG-505-01-S58-L5	VG-505-02-S58-L5	5/8-11		S	5.93"
VG-505-01-PM10-L3	VG-505-02-PM10-L3	M10	P		3.74"
VG-505-01-SM10-L3	VG-505-02-SM10-L3	M10		S	3.74"
VG-505-01-PM12-L3	VG-505-02-PM12-L3	M12	P		3.74"
VG-505-01-SM12-L3	VG-505-02-SM12-L3	M12		S	3.74"
VG-505-01-PM12-L5	VG-505-02-PM12-L5	M12	P		5.93"
VG-505-01-SM12-L5	VG-505-02-SM12-L5	M12		S	5.93"
VG-505-01-PM16-L3	VG-505-02-PM16-L3	M16	P		3.74"
VG-505-01-SM16-L3	VG-505-02-SM16-L3	M16		S	3.74"
VG-505-01-PM16-L5	VG-505-02-PM16-L5	M16	P		5.93"
VG-505-01-SM16-L5	VG-505-02-SM16-L5	M16		S	5.93"

**Sanitary**

**NOTE:** The VG-505-01 style levelers (without lag holes) are available with the underside cavity entirely and permanently filled with urethane, adding 1/8" to the leveler height. Please specify by replacing base style -01 with a -U1 in the part number: VG-505-01-P12-L3 becomes VG-505-U1-P12-L3



The urethane filling completely seals the bottom of the leveler, eliminating entrapment areas that can harbor bacterial growth. The material also has a vibration dampening effect and is extremely skid resistant.



Machine & Equip.  
Components

511

Articulating Leveler

Conveyor and machinery support. Units with M16-L3 threads, with or without lag holes, may be used with VG-400 series bipods and tripods.

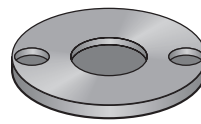
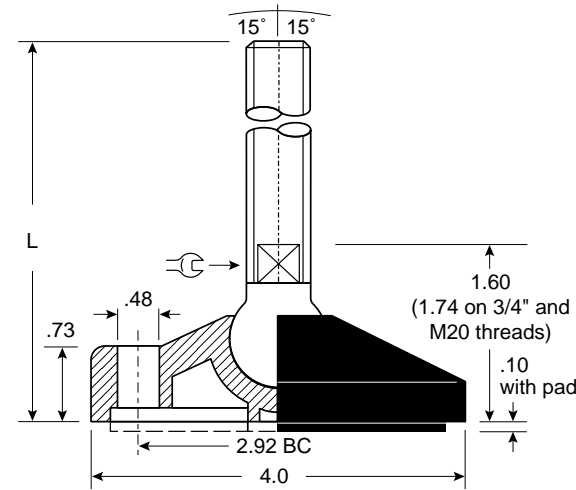
Maximum Recommended Static Load: 2600 lbs. Includes 2:1 safety factor.



VG-511-01- VG-511-02- VG-511-03- VG-511-04-

Base Material: Reinforced polyamide

Without Lag Holes	With Two Lag Holes	With One Lag Hole	With Skinned Lag Holes	Stem Thread	Stem Material Zinc	Stem Material Stainless	"L" Dim
VG-511-01-P12-L3	VG-511-02-P12-L3	VG-511-03-P12-L3	VG-511-04-P12-L3	1/2-13	P		4.52"
VG-511-01-S12-L3	VG-511-02-S12-L3	VG-511-03-S12-L3	VG-511-04-S12-L3	1/2-13		S	4.52"
VG-511-01-P12-L5	VG-511-02-P12-L5	VG-511-03-P12-L5	VG-511-04-P12-L5	1/2-13	P		6.20"
VG-511-01-S12-L5	VG-511-02-S12-L5	VG-511-03-S12-L5	VG-511-04-S12-L5	1/2-13		S	6.20"
VG-511-01-P58-L3	VG-511-02-P58-L3	VG-511-03-P58-L3	VG-511-04-P58-L3	5/8-11	P		4.52"
VG-511-01-S58-L3	VG-511-02-S58-L3	VG-511-03-S58-L3	VG-511-04-S58-L3	5/8-11		S	4.52"
VG-511-01-P58-L5	VG-511-02-P58-L5	VG-511-03-P58-L5	VG-511-04-P58-L5	5/8-11	P		6.20"
VG-511-01-S58-L5	VG-511-02-S58-L5	VG-511-03-S58-L5	VG-511-04-S58-L5	5/8-11		S	6.20"
VG-511-01-P58-L7	VG-511-02-P58-L7	VG-511-03-P58-L7	VG-511-04-P58-L7	5/8-11	P		7.69"
VG-511-01-S58-L7	VG-511-02-S58-L7	VG-511-03-S58-L7	VG-511-04-S58-L7	5/8-11		S	7.69"
VG-511-01-P34-L5	VG-511-02-P34-L5	VG-511-03-P34-L5	VG-511-04-P34-L5	3/4-10	P		6.20"
VG-511-01-S34-L5	VG-511-02-S34-L5	VG-511-03-S34-L5	VG-511-04-S34-L5	3/4-10		S	6.20"
VG-511-01-P34-L7	VG-511-02-P34-L7	VG-511-03-P34-L7	VG-511-04-P34-L7	3/4-10	P		7.69"
VG-511-01-S34-L7	VG-511-02-S34-L7	VG-511-03-S34-L7	VG-511-04-S34-L7	3/4-10		S	7.69"
VG-511-01-P34-L10	VG-511-02-P34-L10	VG-511-03-P34-L10	VG-511-04-P34-L10	3/4-10	P		10.69"
VG-511-01-S34-L10	VG-511-02-S34-L10	VG-511-03-S34-L10	VG-511-04-S34-L10	3/4-10		S	10.69"
VG-511-01-PM12-L3	VG-511-02-PM12-L3	VG-511-03-PM12-L3	VG-511-04-PM12-L3	M12	P		4.52"
VG-511-01-SM12-L3	VG-511-02-SM12-L3	VG-511-03-SM12-L3	VG-511-04-SM12-L3	M12		S	4.52"
VG-511-01-PM12-L5	VG-511-02-PM12-L5	VG-511-03-PM12-L5	VG-511-04-PM12-L5	M12	P		6.20"
VG-511-01-SM12-L5	VG-511-02-SM12-L5	VG-511-03-SM12-L5	VG-511-04-SM12-L5	M12		S	6.20"
VG-511-01-PM16-L3	VG-511-02-PM16-L3	VG-511-03-PM16-L3	VG-511-04-PM16-L3	M16	P		4.52"
VG-511-01-SM16-L3	VG-511-02-SM16-L3	VG-511-03-SM16-L3	VG-511-04-SM16-L3	M16		S	4.52"
VG-511-01-PM16-L5	VG-511-02-PM16-L5	VG-511-03-PM16-L5	VG-511-04-PM16-L5	M16	P		6.20"
VG-511-01-SM16-L5	VG-511-02-SM16-L5	VG-511-03-SM16-L5	VG-511-04-SM16-L5	M16		S	6.20"
VG-511-01-PM16-L7	VG-511-02-PM16-L7	VG-511-03-PM16-L7	VG-511-04-PM16-L7	M16	P		7.69"
VG-511-01-SM16-L7	VG-511-02-SM16-L7	VG-511-03-SM16-L7	VG-511-04-SM16-L7	M16		S	7.69"
VG-511-01-PM20-L5	VG-511-02-PM20-L5	VG-511-03-PM20-L5	VG-511-04-PM20-L5	M20	P		6.20"
VG-511-01-SM20-L5	VG-511-02-SM20-L5	VG-511-03-SM20-L5	VG-511-04-SM20-L5	M20		S	6.20"
VG-511-01-PM20-L7	VG-511-02-PM20-L7	VG-511-03-PM20-L7	VG-511-04-PM20-L7	M20	P		7.69"
VG-511-01-SM20-L7	VG-511-02-SM20-L7	VG-511-03-SM20-L7	VG-511-04-SM20-L7	M20		S	7.69"
VG-511-01-PM20-L10	VG-511-02-PM20-L10	VG-511-03-PM20-L10	VG-511-04-PM20-L10	M20	P		10.69"
VG-511-01-SM20-L10	VG-511-02-SM20-L10	VG-511-03-SM20-L10	VG-511-04-SM20-L10	M20		S	10.69"



**VG-512**  
Vibration Pad  
Neoprene rubber.  
Fits any VG-511 series leveler.  
Sold separately. See page 216.

511H

Articulating Leveler

Conveyor and machinery support.

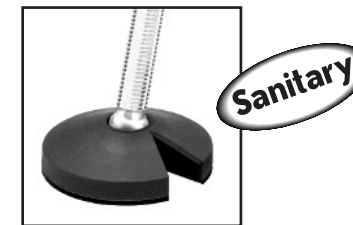
Maximum Recommended Static Load: 2600 lbs. Includes 2:1 safety factor.



VG-511H-01- VG-511H-02- VG-511H-03- VG-511H-04-

Base Material: Reinforced polyamide

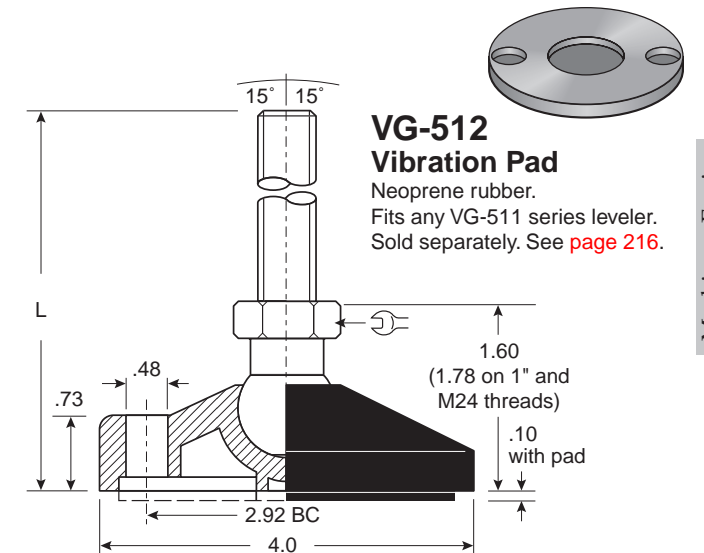
Without Lag Holes	With Two Lag Holes	With One Lag Hole	With Skinned Lag Holes	Stem Thread	Stem Material Zinc	Stem Material Stainless	"L" Dim
VG-511H-01-P58-L5	VG-511H-02-P58-L5	VG-511H-03-P58-L5	VG-511H-04-P58-L5	5/8-10	P		5.73"
VG-511H-01-S58-L5	VG-511H-02-S58-L5	VG-511H-03-S58-L5	VG-511H-04-S58-L5	5/8-10		S	6.15"
VG-511H-01-P58-L7	VG-511H-02-P58-L7	VG-511H-03-P58-L7	VG-511H-04-P58-L7	5/8-10	P		7.31"
VG-511H-01-S58-L7	VG-511H-02-S58-L7	VG-511H-03-S58-L7	VG-511H-04-S58-L7	5/8-10		S	7.69"
VG-511H-01-P34-L5	VG-511H-02-P34-L5	VG-511H-03-P34-L5	VG-511H-04-P34-L5	3/4-10	P		6.15"
VG-511H-01-S34-L5	VG-511H-02-S34-L5	VG-511H-03-S34-L5	VG-511H-04-S34-L5	3/4-10		S	6.15"
VG-511H-01-P34-L7	VG-511H-02-P34-L7	VG-511H-03-P34-L7	VG-511H-04-P34-L7	3/4-10	P		7.69"
VG-511H-01-S34-L7	VG-511H-02-S34-L7	VG-511H-03-S34-L7	VG-511H-04-S34-L7	3/4-10		S	7.69"
VG-511H-01-P34-L10	VG-511H-02-P34-L10	VG-511H-03-P34-L10	VG-511H-04-P34-L10	3/4-10	P		9.95"
VG-511H-01-S34-L10	VG-511H-02-S34-L10	VG-511H-03-S34-L10	VG-511H-04-S34-L10	3/4-10		S	9.95"
VG-511H-01-P100-L7	VG-511H-02-P100-L7	VG-511H-03-P100-L7	VG-511H-04-P100-L7	1-8	P		7.69"
VG-511H-01-S100-L7	VG-511H-02-S100-L7	VG-511H-03-S100-L7	VG-511H-04-S100-L7	1-8		S	7.69"
VG-511H-01-P100-L10	VG-511H-02-P100-L10	VG-511H-03-P100-L10	VG-511H-04-P100-L10	1-8	P		9.95"
VG-511H-01-S100-L10	VG-511H-02-S100-L10	VG-511H-03-S100-L10	VG-511H-04-S100-L10	1-8		S	9.95"
VG-511H-01-PM20-L5	VG-511H-02-PM20-L5	VG-511H-03-PM20-L5	VG-511H-04-PM20-L5	M20	P		6.15"
VG-511H-01-SM20-L5	VG-511H-02-SM20-L5	VG-511H-03-SM20-L5	VG-511H-04-SM20-L5	M20		S	6.15"
VG-511H-01-PM20-L7	VG-511H-02-PM20-L7	VG-511H-03-PM20-L7	VG-511H-04-PM20-L7	M20	P		7.69"
VG-511H-01-SM20-L7	VG-511H-02-SM20-L7	VG-511H-03-SM20-L7	VG-511H-04-SM20-L7	M20		S	7.69"
VG-511H-01-PM20-L10	VG-511H-02-PM20-L10	VG-511H-03-PM20-L10	VG-511H-04-PM20-L10	M20	P		9.95"
VG-511H-01-SM20-L10	VG-511H-02-SM20-L10	VG-511H-03-SM20-L10	VG-511H-04-SM20-L10	M20		S	9.95"
VG-511H-01-PM24-L7	VG-511H-02-PM24-L7	VG-511H-03-PM24-L7	VG-511H-04-PM24-L7	M24	P		7.69"
VG-511H-01-SM24-L7	VG-511H-02-SM24-L7	VG-511H-03-SM24-L7	VG-511H-04-SM24-L7	M24		S	7.69"
VG-511H-01-PM24-L10	VG-511H-02-PM24-L10	VG-511H-03-PM24-L10	VG-511H-04-PM24-L10	M24	P		9.95"
VG-511H-01-SM24-L10	VG-511H-02-SM24-L10	VG-511H-03-SM24-L10	VG-511H-04-SM24-L10	M24		S	9.95"



**NOTE:** The VG-511-01 or VG-511H-01 style levelers (without lag holes) are available with the underside cavity entirely and permanently filled with urethane, adding 1/8" to the leveler height. Please specify by replacing base style -01 with a -U1 in the part number:

VG-511-01-P58-L7 becomes VG-511-U1-P58-L7

The urethane filling completely seals the bottom of the leveler, eliminating entrapment areas that can harbor bacterial growth. The material also has a vibration dampening effect and is extremely skid resistant.



**VG-512**  
Vibration Pad  
Neoprene rubber.  
Fits any VG-511 series leveler.  
Sold separately. See page 216.



### 511-T

#### Loc-A-Lign™ Series Articulating Leveler

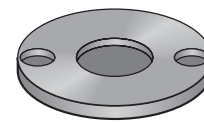
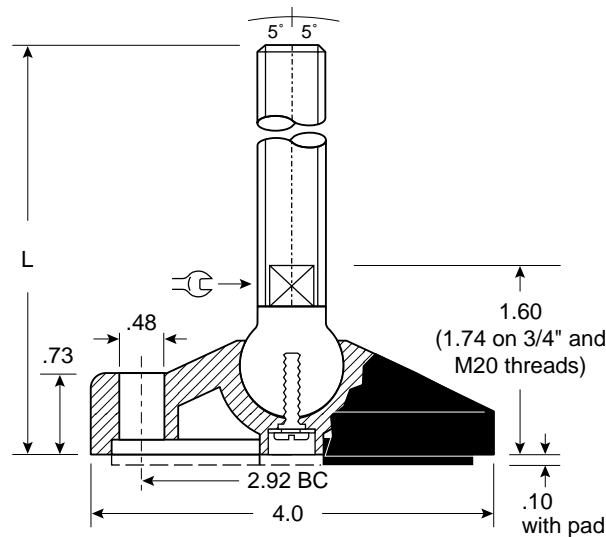
Conveyor and machinery support where resistance to stem pull-out is required.

**Maximum Recommended  
Static Load: 2600 lbs.**  
Includes 2:1 safety factor.



**Base Material:** Reinforced polyamide.  
**Loc-A-Lign fastener:** Stainless steel or zinc plated

Without Lag Holes	With Two Lag Holes	With One Lag Hole	With Skinned Lag Holes	Stem Thread	Stem Material Zinc Stainless "L" Dim	"L" Dim
VG-511-01-P12-L5T	VG-511-02-P12-L5T	VG-511-03-P12-L5T	VG-511-04-P12-L5T	1/2-13	P	6.20"
VG-511-01-S12-L5T	VG-511-02-S12-L5T	VG-511-03-S12-L5T	VG-511-04-S12-L5T	1/2-13	S	6.20"
VG-511-01-P58-L5T	VG-511-02-P58-L5T	VG-511-03-P58-L5T	VG-511-04-P58-L5T	5/8-11	P	6.20"
VG-511-01-S58-L5T	VG-511-02-S58-L5T	VG-511-03-S58-L5T	VG-511-04-S58-L5T	5/8-11	S	6.20"
VG-511-01-P58-L7T	VG-511-02-P58-L7T	VG-511-03-P58-L7T	VG-511-04-P58-L7T	5/8-11	P	7.69"
VG-511-01-S58-L7T	VG-511-02-S58-L7T	VG-511-03-S58-L7T	VG-511-04-S58-L7T	5/8-11	S	7.69"
VG-511-01-P34-L5T	VG-511-02-P34-L5T	VG-511-03-P34-L5T	VG-511-04-P34-L5T	3/4-10	P	6.20"
VG-511-01-S34-L5T	VG-511-02-S34-L5T	VG-511-03-S34-L5T	VG-511-04-S34-L5T	3/4-10	S	6.20"
VG-511-01-P34-L7T	VG-511-02-P34-L7T	VG-511-03-P34-L7T	VG-511-04-P34-L7T	3/4-10	P	7.69"
VG-511-01-S34-L7T	VG-511-02-S34-L7T	VG-511-03-S34-L7T	VG-511-04-S34-L7T	3/4-10	S	7.69"
VG-511-01-P34-L10T	VG-511-02-P34-L10T	VG-511-03-P34-L10T	VG-511-04-P34-L10T	3/4-10	P	10.69"
VG-511-01-S34-L10T	VG-511-02-S34-L10T	VG-511-03-S34-L10T	VG-511-04-S34-L10T	3/4-10	S	10.69"
VG-511-01-PM16-L5T	VG-511-02-PM16-L5T	VG-511-03-PM16-L5T	VG-511-04-PM16-L5T	M16	P	6.20"
VG-511-01-SM16-L5T	VG-511-02-SM16-L5T	VG-511-03-SM16-L5T	VG-511-04-SM16-L5T	M16	S	6.20"
VG-511-01-PM16-L7T	VG-511-02-PM16-L7T	VG-511-03-PM16-L7T	VG-511-04-PM16-L7T	M16	P	7.69"
VG-511-01-SM16-L7T	VG-511-02-SM16-L7T	VG-511-03-SM16-L7T	VG-511-04-SM16-L7T	M16	S	7.69"
VG-511-01-PM20-L5T	VG-511-02-PM20-L5T	VG-511-03-PM20-L5T	VG-511-04-PM20-L5T	M20	P	6.20"
VG-511-01-SM20-L5T	VG-511-02-SM20-L5T	VG-511-03-SM20-L5T	VG-511-04-SM20-L5T	M20	S	6.20"
VG-511-01-PM20-L7T	VG-511-02-PM20-L7T	VG-511-03-PM20-L7T	VG-511-04-PM20-L7T	M20	P	7.69"
VG-511-01-SM20-L7T	VG-511-02-SM20-L7T	VG-511-03-SM20-L7T	VG-511-04-SM20-L7T	M20	S	7.69"
VG-511-01-PM20-L10T	VG-511-02-PM20-L10T	VG-511-03-PM20-L10T	VG-511-04-PM20-L10T	M20	P	10.69"
VG-511-01-SM20-L10T	VG-511-02-SM20-L10T	VG-511-03-SM20-L10T	VG-511-04-SM20-L10T	M20	S	10.69"



#### VG-512 Vibration Pad

Neoprene rubber.  
Fits any VG-511 series leveler.  
Sold separately. See [page 216](#).



### 511H-T

#### Articulating Leveler

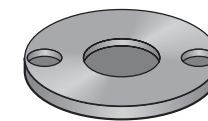
Conveyor and machinery support.

**Maximum Recommended  
Static Load: 2600 lbs.**  
Includes 2:1 safety factor.



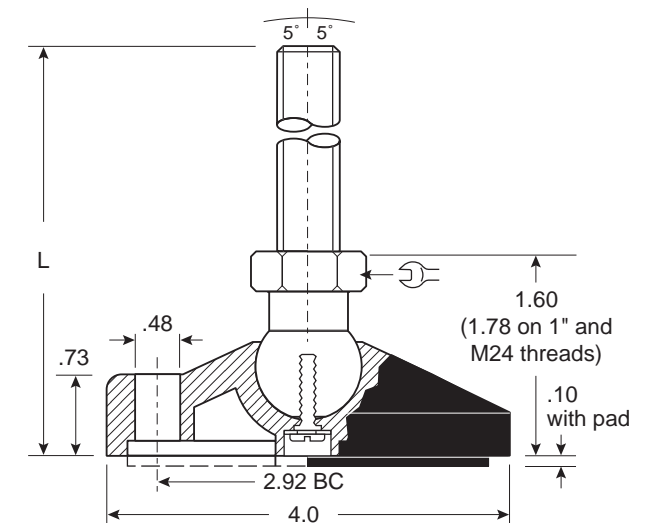
**Base Material:** Reinforced polyamide

Without Lag Holes	With Two Lag Holes	With One Lag Hole	With Skinned Lag Holes	Stem Thread	Stem Material Zinc Stainless "L" Dim	"L" Dim
VG-511H-01-P58-L5T	VG-511H-02-P58-L5T	VG-511H-03-P58-L5T	VG-511H-04-P58-L5T	5/8-10	P	5.73"
VG-511H-01-S58-L5T	VG-511H-02-S58-L5T	VG-511H-03-S58-L5T	VG-511H-04-S58-L5T	5/8-10	S	6.15"
VG-511H-01-P58-L7T	VG-511H-02-P58-L7T	VG-511H-03-P58-L7T	VG-511H-04-P58-L7T	5/8-10	P	7.31"
VG-511H-01-S58-L7T	VG-511H-02-S58-L7T	VG-511H-03-S58-L7T	VG-511H-04-S58-L7T	5/8-10	S	7.69"
VG-511H-01-P34-L5T	VG-511H-02-P34-L5T	VG-511H-03-P34-L5T	VG-511H-04-P34-L5T	3/4-10	P	6.15"
VG-511H-01-S34-L5T	VG-511H-02-S34-L5T	VG-511H-03-S34-L5T	VG-511H-04-S34-L5T	3/4-10	S	6.15"
VG-511H-01-P34-L7T	VG-511H-02-P34-L7T	VG-511H-03-P34-L7T	VG-511H-04-P34-L7T	3/4-10	P	7.69"
VG-511H-01-S34-L7T	VG-511H-02-S34-L7T	VG-511H-03-S34-L7T	VG-511H-04-S34-L7T	3/4-10	S	7.69"
VG-511H-01-P34-L10T	VG-511H-02-P34-L10T	VG-511H-03-P34-L10T	VG-511H-04-P34-L10T	3/4-10	P	9.95"
VG-511H-01-S34-L10T	VG-511H-02-S34-L10T	VG-511H-03-S34-L10T	VG-511H-04-S34-L10T	3/4-10	S	9.95"
VG-511H-01-P100-L7T	VG-511H-02-P100-L7T	VG-511H-03-P100-L7T	VG-511H-04-P100-L7T	1-8	P	7.69"
VG-511H-01-S100-L7T	VG-511H-02-S100-L7T	VG-511H-03-S100-L7T	VG-511H-04-S100-L7T	1-8	S	7.69"
VG-511H-01-P100-L10T	VG-511H-02-P100-L10T	VG-511H-03-P100-L10T	VG-511H-04-P100-L10T	1-8	P	9.95"
VG-511H-01-S100-L10T	VG-511H-02-S100-L10T	VG-511H-03-S100-L10T	VG-511H-04-S100-L10T	1-8	S	9.95"
VG-511H-01-PM20-L5T	VG-511H-02-PM20-L5T	VG-511H-03-PM20-L5T	VG-511H-04-PM20-L5T	M20	P	6.15"
VG-511H-01-SM20-L5T	VG-511H-02-SM20-L5T	VG-511H-03-SM20-L5T	VG-511H-04-SM20-L5T	M20	S	6.15"
VG-511H-01-PM20-L7T	VG-511H-02-PM20-L7T	VG-511H-03-PM20-L7T	VG-511H-04-PM20-L7T	M20	P	7.69"
VG-511H-01-SM20-L7T	VG-511H-02-SM20-L7T	VG-511H-03-SM20-L7T	VG-511H-04-SM20-L7T	M20	S	7.69"
VG-511H-01-PM20-L10T	VG-511H-02-PM20-L10T	VG-511H-03-PM20-L10T	VG-511H-04-PM20-L10T	M20	P	9.95"
VG-511H-01-SM20-L10T	VG-511H-02-SM20-L10T	VG-511H-03-SM20-L10T	VG-511H-04-SM20-L10T	M20	S	9.95"
VG-511H-01-PM24-L7T	VG-511H-02-PM24-L7T	VG-511H-03-PM24-L7T	VG-511H-04-PM24-L7T	M24	P	7.69"
VG-511H-01-SM24-L7T	VG-511H-02-SM24-L7T	VG-511H-03-SM24-L7T	VG-511H-04-SM24-L7T	M24	S	7.69"
VG-511H-01-PM24-L10T	VG-511H-02-PM24-L10T	VG-511H-03-PM24-L10T	VG-511H-04-PM24-L10T	M24	P	9.95"
VG-511H-01-SM24-L10T	VG-511H-02-SM24-L10T	VG-511H-03-SM24-L10T	VG-511H-04-SM24-L10T	M24	S	9.95"



#### VG-512 Vibration Pad

Neoprene rubber.  
Fits any VG-511 series leveler.  
Sold separately. See [page 216](#).





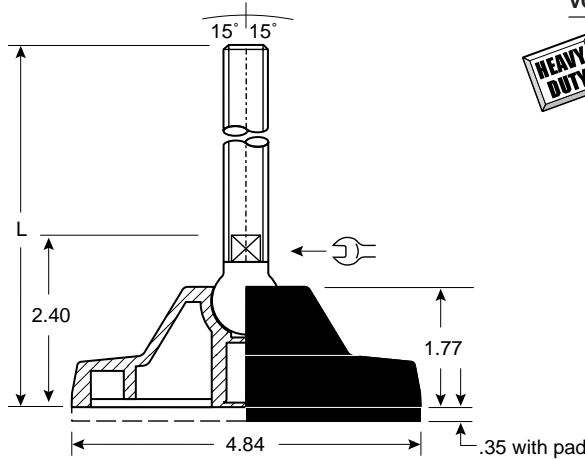
# Adjustable Levelers — Heavy Duty



## 513

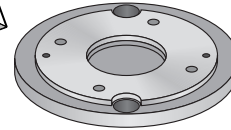
### Articulating Leveler Machinery Support

Maximum Recommended  
Static Load: 4400 lbs.  
*Includes 2:1 safety factor.*



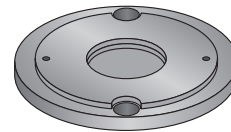
Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-513-01-P34-L5	3/4-10	P		7.03"
VG-513-01-S34-L5	3/4-10		S	7.03"
VG-513-01-P34-L8	3/4-10	P		8.55"
VG-513-01-S34-L8	3/4-10		S	8.55"
VG-513-01-PM20-L5	M20	P		7.03"
VG-513-01-SM20-L5	M20		S	7.03"
VG-513-01-PM20-L8	M20	P		8.55"
VG-513-01-SM20-L8	M20		S	8.55"



### VG-514 Vibration Pad

Neoprene rubber with steel plate for even weight distribution. Sold separately. See page 216. Max. load: 7000 lbs.



### VG-514N Vibration Pad

Neoprene rubber for even weight distribution. Sold separately. See page 216. Max. load: 2600 lbs.

Base Material: Reinforced polyamide

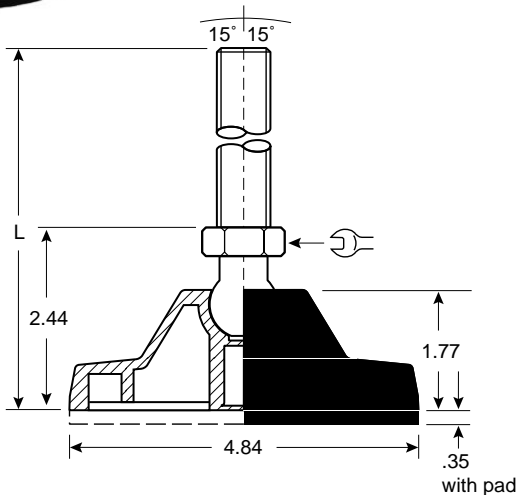
Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-513H-01-P34-L5	3/4-10	P		7.03"
VG-513H-01-S34-L5	3/4-10		S	7.03"
VG-513H-01-P34-L7	3/4-10	P		8.55"
VG-513H-01-S34-L7	3/4-10		S	8.55"
VG-513H-01-P34-L10	3/4-10	P		10.83"
VG-513H-01-S34-L10	3/4-10		S	10.83"
VG-513H-01-P100-L7	1-8	P		8.55"
VG-513H-01-S100-L7	1-8		S	8.55"
VG-513H-01-P100-L10	1-8	P		10.83"
VG-513H-01-S100-L10	1-8		S	10.83"
VG-513H-01-PM20-L6	M20	P		7.03"
VG-513H-01-SM20-L6	M20		S	7.03"
VG-513H-01-PM20-L8	M20	P		8.55"
VG-513H-01-SM20-L8	M20		S	8.55"
VG-513H-01-PM20-L10	M20	P		10.83"
VG-513H-01-SM20-L10	M20		S	10.83"
VG-513H-01-PM24-L8	M24	P		8.55"
VG-513H-01-SM24-L8	M24		S	8.55"
VG-513H-01-PM24-L10	M24	P		10.83"
VG-513H-01-SM24-L10	M24		S	10.83"



## 513H

### Articulating Leveler Machinery Support

Maximum Recommended  
Static Load: 4400 lbs.  
*Includes 2:1 safety factor.*

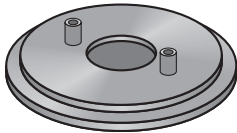




## 518

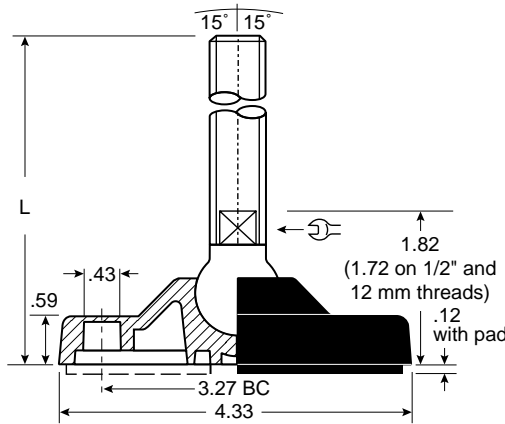
### Support Leveler Machinery Support

**Maximum Recommended  
Static Load: 4000 lbs.**  
*Includes 2:1 safety factor.*



### VG-516 Vibration Pad

Flexible PVC. Fits any VG-518 series leveler. Sold separately. See [page 216](#).



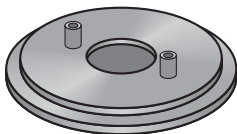
**Base Material:** Reinforced polyamide

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-518-01-P12-L3	1/2-13	P		4.68"
VG-518-01-S12-L3	1/2-13		S	4.68"
VG-518-01-P12-L5	1/2-13	P		6.36"
VG-518-01-S12-L5	1/2-13		S	6.36"
VG-518-01-P58-L3	5/8-11	P		4.68"
VG-518-01-S58-L3	5/8-11		S	4.68"
VG-518-01-P58-L5	5/8-11	P		6.36"
VG-518-01-S58-L5	5/8-11		S	6.36"
VG-518-01-P58-L7	5/8-11	P		7.85"
VG-518-01-S58-L7	5/8-11		S	7.85"
VG-518-01-P34-L5	3/4-10	P		6.36"
VG-518-01-S34-L5	3/4-10		S	6.36"
VG-518-01-P34-L7	3/4-10	P		7.85"
VG-518-01-S34-L7	3/4-10		S	7.85"
VG-518-01-P34-L10	3/4-10	P		10.85"
VG-518-01-S34-L10	3/4-10		S	10.85"
VG-518-01-PM12-L3	M12	P		4.68"
VG-518-01-SM12-L3	M12		S	4.68"
VG-518-01-PM12-L5	M12	P		6.36"
VG-518-01-SM12-L5	M12		S	6.36"
VG-518-01-PM16-L3	M16	P		4.68"
VG-518-01-SM16-L3	M16		S	4.68"
VG-518-01-PM16-L5	M16	P		6.36"
VG-518-01-SM16-L5	M16		S	6.36"
VG-518-01-PM16-L7	M16	P		7.85"
VG-518-01-SM16-L7	M16		S	7.85"
VG-518-01-PM20-L5	M20	P		6.36"
VG-518-01-SM20-L5	M20		S	6.36"
VG-518-01-PM20-L7	M20	P		7.85"
VG-518-01-SM20-L7	M20		S	7.85"

## 518H

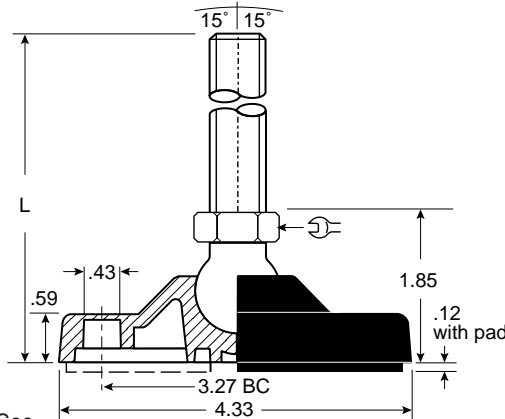
### Support Leveler Machinery Support

**Maximum Recommended  
Static Load: 4000 lbs.**  
*Includes 2:1 safety factor.*



### VG-516 Vibration Pad

Flexible PVC. Fits any VG-518 series leveler. Sold separately. See [page 216](#).



Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-518H-01-P34-L5	3/4-10	P		6.29"
VG-518H-01-S34-L5	3/4-10		S	6.29"
VG-518H-01-P34-L7	3/4-10	P		7.83"
VG-518H-01-S34-L7	3/4-10		S	7.83"
VG-518H-01-P34-L10	3/4-10	P		10.09"
VG-518H-01-S34-L10	3/4-10		S	10.09"
VG-518H-01-P100-L7	1-8	P		7.83"
VG-518H-01-S100-L7	1-8		S	7.83"
VG-518H-01-P100-L10	1-8	P		10.09"
VG-518H-01-S100-L10	1-8		S	10.09"
VG-518H-01-PM20-L6	M20	P		6.29"
VG-518H-01-SM20-L6	M20		S	6.29"
VG-518H-01-PM20-L8	M20	P		7.83"
VG-518H-01-SM20-L8	M20		S	7.83"
VG-518H-01-PM20-L10	M20	P		10.09"
VG-518H-01-SM20-L10	M20		S	10.09"
VG-518H-01-PM24-L8	M24	P		7.83"
VG-518H-01-SM24-L8	M24		S	7.83"
VG-518H-01-PM24-L10	M24	P		10.09"
VG-518H-01-SM24-L10	M24		S	10.09"

## Adjustable Levelers — Heavy Duty

### 517-K

#### Support Leveler Machinery Support

Maximum Recommended  
Static Load: 7000 lbs.  
Includes 2:1 safety factor.

Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-517-01-P34-L7K	3/4-10	P	7.50"
VG-517-01-S34-L7K	3/4-10	S	7.50"
VG-517-01-P100-L7K	1-8	P	7.48"
VG-517-01-S100-L7K	1-8	S	7.48"
VG-517-01-P113-L7K	1 1/8-7	P	7.48"
VG-517-01-S113-L7K	1 1/8-7	S	7.48"
VG-517-01-P125-L7K	1 1/4-7	P	7.48"
VG-517-01-S125-L7K	1 1/4-7	S	7.48"
VG-517-01-PM20-L7K	M20	P	7.48"
VG-517-01-PM24-L7K	M24	P	7.48"
VG-517-01-SM20-L7K	M20	S	7.48"
VG-517-01-SM24-L7K	M24	S	7.48"

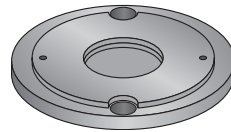
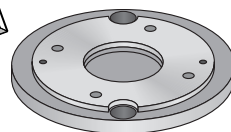
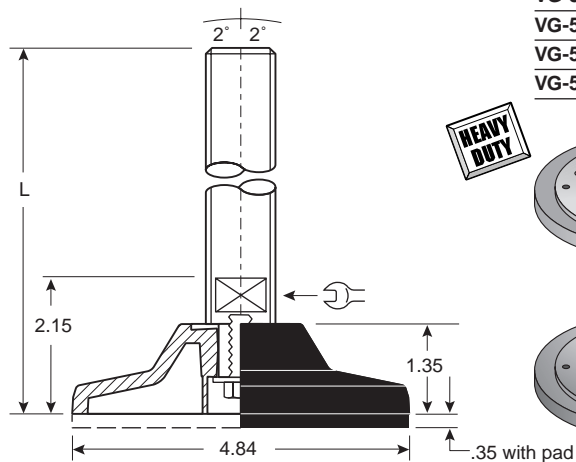


#### VG-514 Vibration Pad

Neoprene rubber with steel plate for even weight distribution. Sold separately. See page 216. Max. load: 7000 lbs.

#### VG-514N Vibration Pad

Neoprene rubber for even weight distribution. Sold separately. See page 216. Max. load: 2600 lbs.



## Adjustable Levelers — Heavy Duty

### 520-K

#### Support Leveler Machinery Support

Maximum Recommended  
Static Load: 7000 lbs.  
Includes 2:1 safety factor.

Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-520-02-P34-L7K	3/4-10	P	7.50"
VG-520-02-S34-L7K	3/4-10	S	7.50"
VG-520-02-P100-L7K	1-8	P	7.50"
VG-520-02-S100-L7K	1-8	S	7.50"
VG-520-02-P113-L7K	1 1/8-7	P	7.50"
VG-520-02-S113-L7K	1 1/8-7	S	7.50"
VG-520-02-P125-L7K	1 1/4-7	P	7.50"
VG-520-02-S125-L7K	1 1/4-7	S	7.50"
VG-520-02-PM20-L7K	M20	P	7.50"
VG-520-02-SM20-L7K	M20	S	7.50"
VG-520-02-PM24-L7K	M24	P	7.50"
VG-520-02-SM24-L7K	M24	S	7.50"

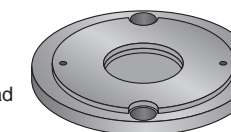
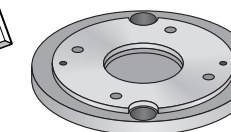
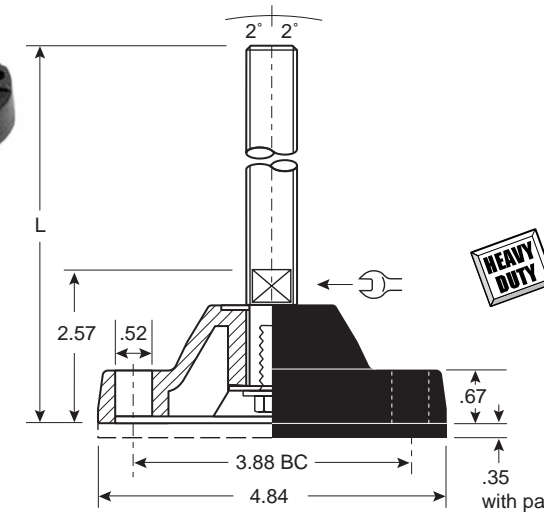


#### VG-514 Vibration Pad

Neoprene rubber with steel plate for even weight distribution. Sold separately. See page 216. Max. load: 7000 lbs.

#### VG-514N Vibration Pad

Neoprene rubber for even weight distribution. Sold separately. See page 216. Max. load: 2600 lbs.



### 520

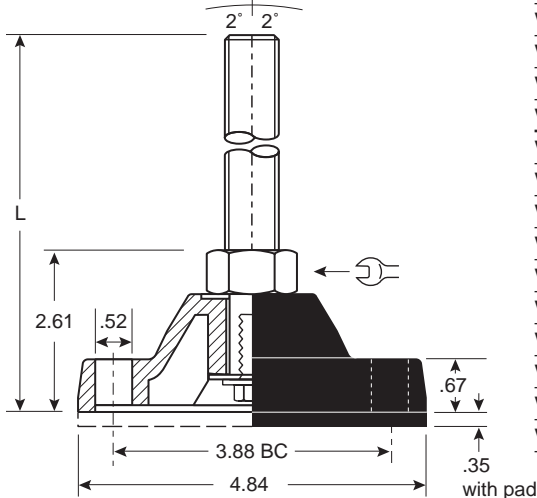


#### Support Leveler Machinery Support with adjusting nut welded to stem.

Maximum Recommended  
Static Load: 7000 lbs.  
Includes 2:1 safety factor.

Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-520-02-P34-L5	3/4-10	P	5.97"
VG-520-02-S34-L5	3/4-10	S	5.97"
VG-520-02-P34-L7	3/4-10	P	7.48"
VG-520-02-S34-L7	3/4-10	S	7.48"
VG-520-02-P34-L10	3/4-10	P	10.07"
VG-520-02-S34-L10	3/4-10	S	10.07"
VG-520-02-P100-L7	1-8	P	7.48"
VG-520-02-S100-L7	1-8	S	7.48"
VG-520-02-P100-L10	1-8	P	10.07"
VG-520-02-S100-L10	1-8	S	10.07"
VG-520-02-PM20-L5	M20	P	5.97"
VG-520-02-SM20-L5	M20	S	5.97"
VG-520-02-PM20-L7	M20	P	7.48"
VG-520-02-SM20-L7	M20	S	7.48"
VG-520-02-PM20-L10	M20	P	10.07"
VG-520-02-SM20-L10	M20	S	10.07"
VG-520-02-PM24-L7	M24	P	7.48"
VG-520-02-SM24-L7	M24	S	7.48"
VG-520-02-PM24-L10	M24	P	10.07"
VG-520-02-SM24-L10	M24	S	10.07"

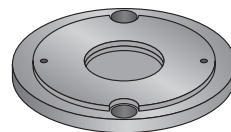
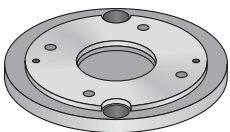


#### VG-514 Vibration Pad

Neoprene rubber with steel plate for even weight distribution. Sold separately. See page 216. Max. load: 7000 lbs.

#### VG-514N Vibration Pad

Neoprene rubber for even weight distribution. Sold separately. See page 216. Max. load: 2600 lbs.



### 520-T

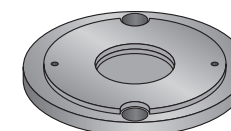
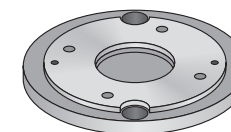
#### Loc-A-Lign™ Series Articulating Leveler

Conveyor and machinery support where  
resistance to stem pull-out is required.

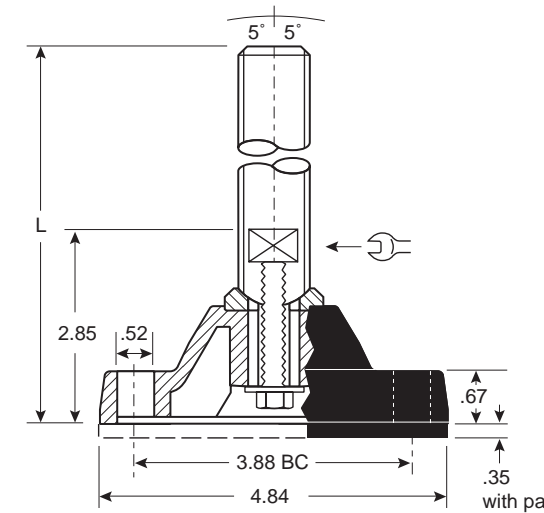
Maximum Recommended  
Static Load: 7000 lbs.  
Includes 2:1 safety factor.

Base Material: Reinforced polyamide  
Loc-A-Lign fastener: Stainless steel or zinc plated

Part Number	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-520-02-P100-L7T	1-8	P	7.45"
VG-520-02-S100-L7T	1-8	S	7.45"
VG-520-02-P100-L10T	1-8	P	9.95"
VG-520-02-S100-L10T	1-8	S	9.95"
VG-520-02-P100-L12T	1-8	P	11.95"
VG-520-02-S100-L12T	1-8	S	11.95"
VG-520-02-P113-L7T	1 1/8-7	P	7.45"
VG-520-02-S113-L7T	1 1/8-7	S	7.45"
VG-520-02-P113-L10T	1 1/8-7	P	9.95"
VG-520-02-S113-L10T	1 1/8-7	S	9.95"
VG-520-02-P113-L12T	1 1/8-7	P	11.95"
VG-520-02-S113-L12T	1 1/8-7	S	11.95"
VG-520-02-P125-L7T	1 1/4-7	P	7.45"
VG-520-02-S125-L7T	1 1/4-7	S	7.45"
VG-520-02-P125-L10T	1 1/4-7	P	9.95"
VG-520-02-S125-L10T	1 1/4-7	S	9.95"
VG-520-02-P125-L12T	1 1/4-7	P	11.95"
VG-520-02-S125-L12T	1 1/4-7	S	11.95"
VG-520-02-PM24-L7T	M24	P	7.45"
VG-520-02-SM24-L7T	M24	S	7.45"
VG-520-02-PM24-L10T	M24	P	9.95"
VG-520-02-SM24-L10T	M24	S	9.95"
VG-520-02-PM24-L12T	M24	P	11.95"
VG-520-02-SM24-L12T	M24	S	11.95"



#### VG-514N Vibration Pad

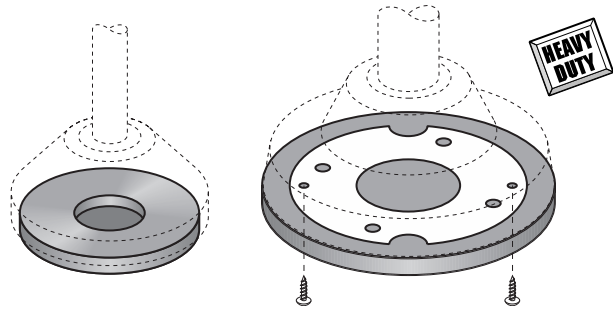


# Adjustable Levelers — Solid Bases



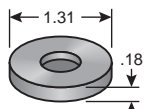
## Vibration Pads for Adjustable Levelers

Vibration and skid reduction.  
Neoprene Shore: A70-80

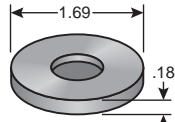


Press in type: Neoprene rubber.

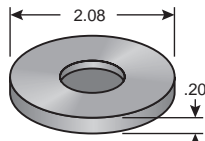
Screw in type: Rubber and metal



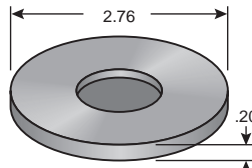
VG-534  
For use with:  
VG-533 series



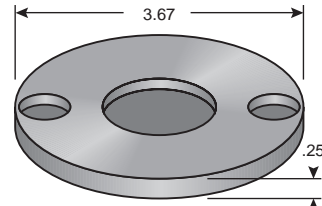
VG-538  
For use with:  
VG-537 series



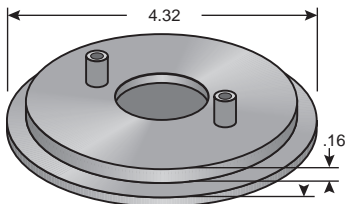
VG-504  
For use with:  
VG-501 series



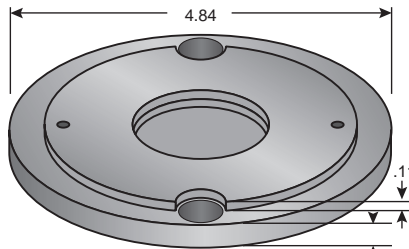
VG-506  
For use with:  
VG-505 series



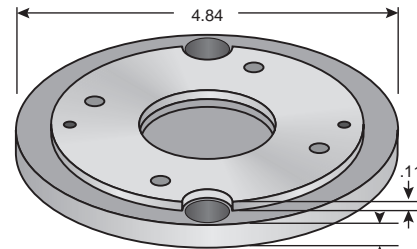
VG-512  
For use with:  
VG-511 series



VG-516  
For use with:  
VG-518 series



VG-514N  
For use with: VG-513 series, VG-517-K series,  
VG-520 series. Max. load: 2600 lbs.



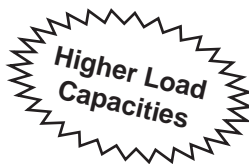
VG-514  
For use with: VG-513 series, VG-517-K series,  
VG-520 series. Max. load: 7000 lbs.

## 501D

### Articulating Leveler with Solid Base

Conveyor and machinery support

Maximum Recommended  
Static Load: 3000 lbs.  
Includes 2:1 safety factor.

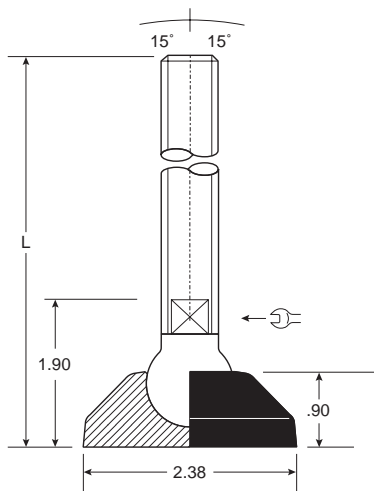


Base Material: Reinforced polyamide

Part Number	Stem Thread	Stem Material	Zinc	Stainless	"L" Dim
VG-501D-01-P12-L3	1/2-13	P			4.54"
VG-501D-01-S12-L3	1/2-13		S		4.54"
VG-501D-01-P58-L3	5/8-11	P			4.54"
VG-501D-01-S58-L3	5/8-11		S		4.54"
VG-501D-01-P58-L8	5/8-11	P			7.71"
VG-501D-01-S58-L8	5/8-11		S		7.71"
VG-501D-01-P34-L8	3/4-10	P			7.71"
VG-501D-01-S34-L8	3/4-10		S		7.71"
VG-501D-01-P34-L10	3/4-10	P			10.71"
VG-501D-01-S34-L10	3/4-10		S		10.71"
VG-501D-01-PM12-L3	M12	P			4.51"
VG-501D-01-SM12-L3	M12		S		4.51"
VG-501D-01-PM16-L3	M16	P			4.51"
VG-501D-01-SM16-L3	M16		S		4.51"
VG-501D-01-PM16-L8	M16	P			7.71"
VG-501D-01-SM16-L8	M16		S		7.71"
VG-501D-01-PM20-L8	M20	P			7.71"
VG-501D-01-SM20-L8	M20		S		7.71"



VG-501D-01-S12-L3

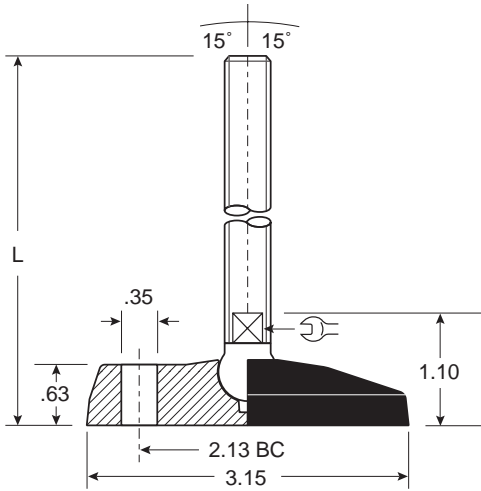


The new solid base design will support heavier loads and does not have any cavities in the base material.



VG-505D-01-

VG-505D-02-



The new solid base design will support heavier loads, and does not have any cavities in the base material.

## 505D

### Articulating Leveler with Solid Base

Conveyor and machinery support. Units with M16-L3 threads, with or without lag holes, may be used with VG-400 series bipods and tripods.

**Maximum Recommended Static Load: 3000 lbs.** Includes 2:1 safety factor.

Base Material: Reinforced polyamide

Without Lag Holes	Part Number	With Two Lag Holes	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-505D-01-P38-L3	VG-505D-02-P38-L3		3/8-16	P	3.74"
VG-505D-01-S38-L3	VG-505D-02-S38-L3		3/8-16	S	3.74"
VG-505D-01-P12-L3	VG-505D-02-P12-L3		1/2-13	P	3.74"
VG-505D-01-S12-L3	VG-505D-02-S12-L3		1/2-13	S	3.74"
VG-505D-01-P12-L5	VG-505D-02-P12-L5		1/2-13	P	5.93"
VG-505D-01-S12-L5	VG-505D-02-S12-L5		1/2-13	S	5.93"
VG-505D-01-P58-L3	VG-505D-02-P58-L3		5/8-11	P	3.74"
VG-505D-01-S58-L3	VG-505D-02-S58-L3		5/8-11	S	3.74"
VG-505D-01-P58-L5	VG-505D-02-P58-L5		5/8-11	P	5.93"
VG-505D-01-S58-L5	VG-505D-02-S58-L5		5/8-11	S	5.93"
VG-505D-01-PM10-L3	VG-505D-02-PM10-L3		M10	P	3.74"
VG-505D-01-SM10-L3	VG-505D-02-SM10-L3		M10	S	3.74"
VG-505D-01-PM12-L3	VG-505D-02-PM12-L3		M12	P	3.74"
VG-505D-01-SM12-L3	VG-505D-02-SM12-L3		M12	S	3.74"
VG-505D-01-PM12-L5	VG-505D-02-PM12-L5		M12	P	5.93"
VG-505D-01-SM12-L5	VG-505D-02-SM12-L5		M12	S	5.93"
VG-505D-01-PM16-L3	VG-505D-02-PM16-L3		M16	P	3.74"
VG-505D-01-SM16-L3	VG-505D-02-SM16-L3		M16	S	3.74"
VG-505D-01-PM16-L5	VG-505D-02-PM16-L5		M16	P	5.93"
VG-505D-01-SM16-L5	VG-505D-02-SM16-L5		M16	S	5.93"

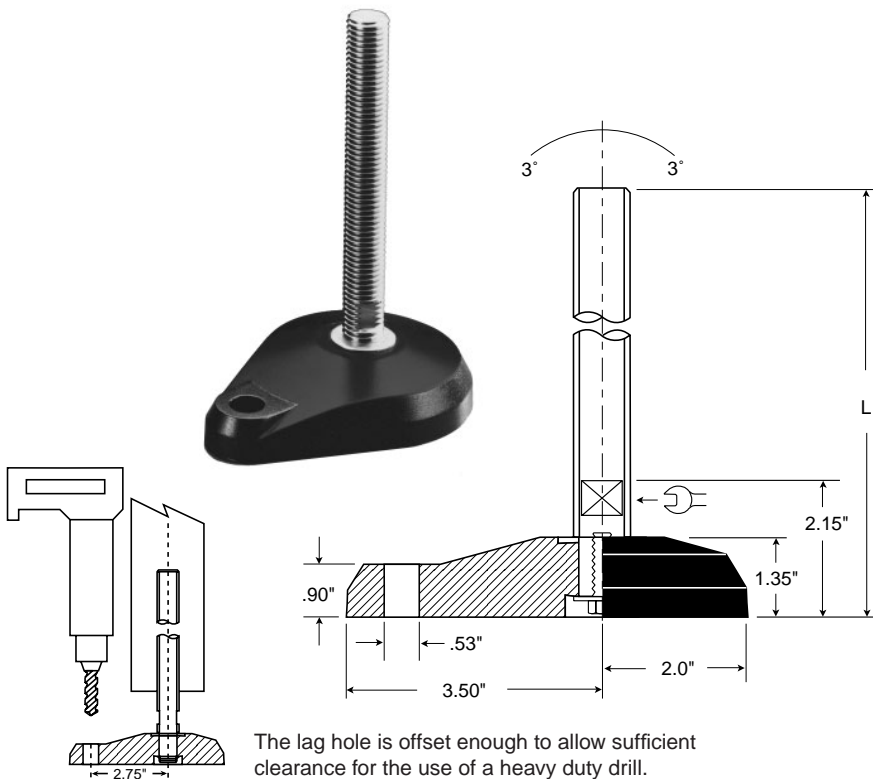
## 525

### Support Leveler with Solid Base

Machinery support where lag hole accessibility or high chemical resistance is required.

**Maximum Recommended Static Load: 7200 lbs.** Includes 2:1 safety factor.

Base Material: Reinforced polyamide



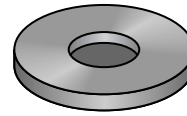
The lag hole is offset enough to allow sufficient clearance for the use of a heavy duty drill.

Part Number	Stem Thread	Stem Material Zinc Stainless	"L" Dim
VG-525-02-P34-L7K	3/4-10	P	7.25"
VG-525-02-S34-L7K	3/4-10	S	7.25"
VG-525-02-P100-L7K	1-8	P	7.25"
VG-525-02-S100-L7K	1-8	S	7.25"
VG-525-02-P113-L7K	1 1/8-7	P	7.25"
VG-525-02-S113-L7K	1 1/8-7	S	7.25"
VG-525-02-P125-L7K	1 1/4-7	P	7.25"
VG-525-02-S125-L7K	1 1/4-7	S	7.25"
VG-525-02-PM20-L7K	M20	P	7.25"
VG-525-02-SM20-L7K	M20	S	7.25"
VG-525-02-PM24-L7K	M24	P	7.25"
VG-525-02-SM24-L7K	M24	S	7.25"



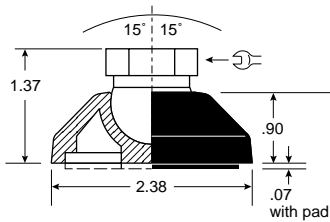
## Adjustable Levelers — Socket Style

Valu Guide socket style levelers can be used on existing studs or with Valu Guide threaded rod (page 219) to fabricate custom stem lengths.



### VG-504 Vibration Pad

Neoprene rubber. Fits any VG-501 series leveler. Sold separately. See page 216.



### 501B

#### Socket Style

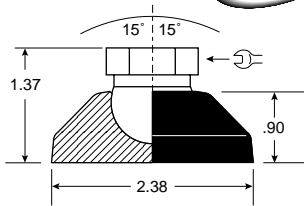
Conveyor and machinery support. Fabricate your own leveler stem.

**Maximum Recommended Static Load: 2000 lbs.**  
Includes 2:1 safety factor.

**Base Material:** Reinforced polyamide

Standard Base	Part Number	Solid Base	Stem Thread	Stem Material	
				Zinc	Stainless
VG-501B-01-P12	VG-501DB-01-P12		1/2-13	P	
VG-501B-01-S12	VG-501DB-01-S12		1/2-13		S
VG-501B-01-P58	VG-501DB-01-P58		5/8-11	P	
VG-501B-01-S58	VG-501DB-01-S58		5/8-11		S
VG-501B-01-P34	VG-501DB-01-P34		3/4-10	P	
VG-501B-01-S34	VG-501DB-01-S34		3/4-10		S
VG-501B-01-PM12	VG-501DB-01-PM12		M12	P	
VG-501B-01-SM12	VG-501DB-01-SM12		M12		S
VG-501B-01-PM16	VG-501DB-01-PM16		M16	P	
VG-501B-01-SM16	VG-501DB-01-SM16		M16		S

Sanitary



### 501DB

#### Socket Style

Conveyor and machinery support. Fabricate your own leveler stem.

**Maximum Recommended Static Load: 3000 lbs.**  
Includes 2:1 safety factor.



VG-511B-01

VG-511B-03

VG-511B-02

### 511B

#### Socket Style

Conveyor and machinery support. Fabricate your own leveler stem.

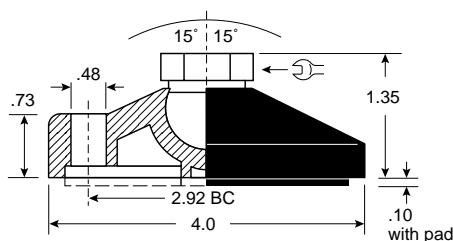
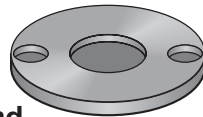
**Maximum Recommended Static Load: 2600 lbs.**  
Includes 2:1 safety factor.

**Base Material:** Reinforced polyamide

Without Lag Holes	Part Number		Stem Thread	Stem Material	
	With One Lag Hole	With Two Lag Holes		Zinc	Stainless
VG-511B-01-P12	VG-511B-03-P12	VG-511B-02-P12	1/2-13	P	
VG-511B-01-S12	VG-511B-03-S12	VG-511B-02-S12	1/2-13		S
VG-511B-01-P58	VG-511B-03-P58	VG-511B-02-P58	5/8-11	P	
VG-511B-01-S58	VG-511B-03-S58	VG-511B-02-S58	5/8-11		S
VG-511B-01-P34	VG-511B-03-P34	VG-511B-02-P34	3/4-10	P	
VG-511B-01-S34	VG-511B-03-S34	VG-511B-02-S34	3/4-10		S
VG-511B-01-PM12	VG-511B-03-PM12	VG-511B-02-PM12	M12	P	
VG-511B-01-SM12	VG-511B-03-SM12	VG-511B-02-SM12	M12		S
VG-511B-01-PM16	VG-511B-03-PM16	VG-511B-02-PM16	M16	P	
VG-511B-01-SM16	VG-511B-03-SM16	VG-511B-02-SM16	M16		S

### VG-512 Vibration Pad

Neoprene rubber. Fits any VG-511 series leveler. Sold separately. See page 216.

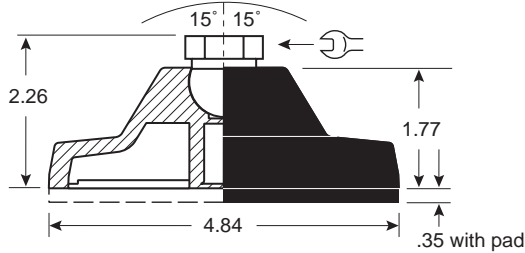




## 513B

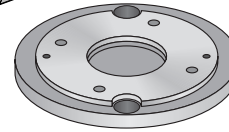
**Socket Style**  
Machinery support.

**Maximum Recommended Static Load: 4400 lbs.**  
Includes 2:1 safety factor.



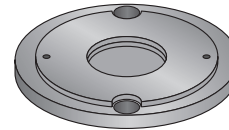
**Base Material:** Reinforced polyamide

Part Number	Stem Thread	Stem Material	
		Zinc	Stainless
VG-513B-01-P34	3/4-10	P	
VG-513B-01-S34	3/4-10		S



## VG-514 Vibration Pad

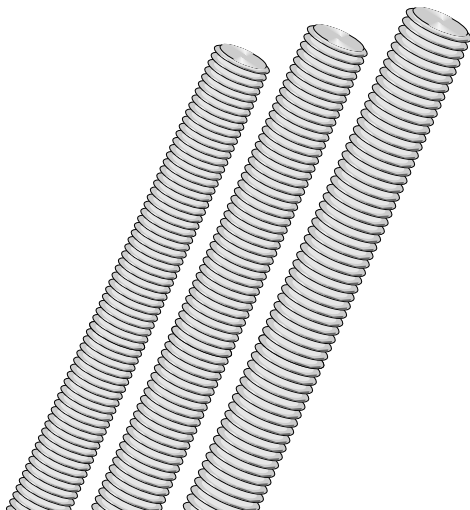
Neoprene rubber with steel plate for even weight distribution. Sold separately. See [page 216](#). Max. load: 7000 lbs.



## VG-514N Vibration Pad

Neoprene rubber for even weight distribution. Sold separately. See [page 216](#). Max. load: 2600 lbs.

Threaded rod for use with Valu Guide socket style levelers.



## 238

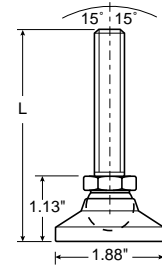
### Threaded Rod

Fabricate custom stem lengths for use with Valu Guide socket style adjustable levelers. 3 ft. sections with 1/2", 5/8", 3/4", M12, M16, M20 thread. See [page 218](#).

**Rod Material:** Carbon, stainless or plated steel.

Part Number	Stem Thread	Stem Material	
		Carbon	Zinc Stainless
VG-238-C12-03	1/2-13	C	
VG-238-P12-03	1/2-13		P
VG-238-S12-03	1/2-13		S
VG-238-C58-03	5/8-11	C	
VG-238-P58-03	5/8-11		P
VG-238-S58-03	5/8-11		S
VG-238-C34-03	3/4-10	C	
VG-238-P34-03	3/4-10		P
VG-238-S34-03	3/4-10		S
VG-238-CM12-03	M12	C	
VG-238-PM12-03	M12		P
VG-238-SM12-03	M12		S
VG-238-CM16-03	M16	C	
VG-238-PM16-03	M16		P
VG-238-SM16-03	M16		S

## Adjustable Levelers — Solid Metal Bases



### 592

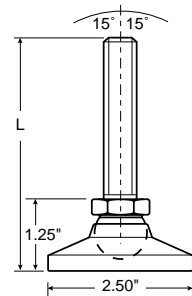
#### Metal Leveler

Equipment and machine support requiring a metal leveler.

**Maximum Recommended Static Load: 5000 lbs.**  
Includes 2:1 safety factor.

Base Material: Zinc plated or series 300 stainless steel

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-592-01-P12-L3	1/2-13	P		3.13"
VG-592-01-S12-L3	1/2-13		S	3.13"
VG-592-01-P12-L5	1/2-13	P		5.13"
VG-592-01-S12-L5	1/2-13		S	5.13"
VG-592-01-PM12-L3	M12	P		3.13"
VG-592-01-SM12-L3	M12		S	3.13"



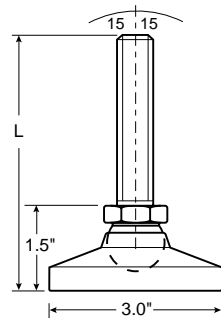
### 594

#### Metal Leveler

Equipment and machine support requiring a metal leveler.

**Maximum Recommended Static Load: 6000 lbs.**  
Includes 2:1 safety factor.

VG-594-01-P58-L3	5/8-11	P		3.25"
VG-594-01-S58-L3	5/8-11		S	3.25"
VG-594-01-P58-L5	5/8-11	P		5.25"
VG-594-01-S58-L5	5/8-11		S	5.25"
VG-594-01-PM16-L3	M16	P		3.25"
VG-594-01-SM16-L3	M16		S	3.25"



### 596

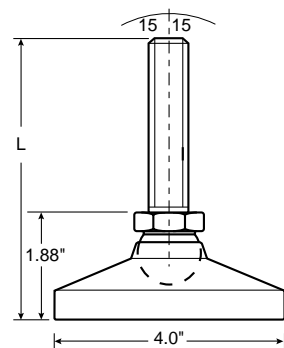
#### Metal Leveler

Equipment and machine support requiring a metal leveler.

**Maximum Recommended Static Load: 7200 lbs.**  
Includes 2:1 safety factor.

Base Material: Zinc plated or series 300 stainless steel

Part Number	Stem Thread	Stem Material		"L" Dim
		Zinc	Stainless	
VG-596-01-P34-L3	3/4-10	P		3.5"
VG-596-01-S34-L3	3/4-10		S	3.5"
VG-596-01-P34-L5	3/4-10	P		5.5"
VG-596-01-S34-L5	3/4-10		S	5.5"
VG-596-01-PM20-L3	M20	P		3.5"
VG-596-01-SM20-L3	M20		S	3.5"



### 598

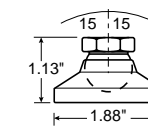
#### Metal Leveler

Equipment and machine support requiring a metal leveler.

**Maximum Recommended Static Load: 22000 lbs.**  
Includes 2:1 safety factor.

VG-598-01-P100-L6	1-8	P		6.13"
VG-598-01-S100-L6	1-8		S	6.13"
VG-598-01-P100-L10	1-8	P		9.88"
VG-598-01-S100-L10	1-8		S	9.88"

## Adjustable Levelers — Solid Metal Bases



### 592B

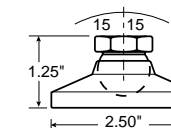
#### Socket Style

Equipment and machine support requiring a metal leveler.

**Max. Rec. Static Load: 5000 lbs.**  
Includes 2:1 safety factor.

Base Material: Zinc plated or series 300 stainless steel

Part Number	Stem Thread	Stem Material	
		Zinc	Stainless
VG-592B-01-P12	1/2-13	P	
VG-592B-01-S12	1/2-13		S
VG-592B-01-PM12	M12	P	
VG-592B-01-SM12	M12		S



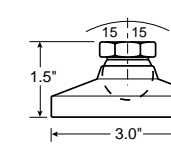
### 594B

#### Socket Style

Equipment and machine support requiring a metal leveler.

**Max. Rec. Static Load: 6000 lbs.**  
Includes 2:1 safety factor.

VG-594B-01-P58	5/8-11	P	
VG-594B-01-S58	5/8-11		S
VG-594B-01-PM16	M16	P	
VG-594B-01-SM16	M16		S



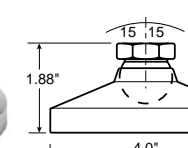
### 596B

#### Socket Style

Equipment and machine support requiring a metal leveler.

**Max. Rec. Static Load: 7200 lbs.**  
Includes 2:1 safety factor.

VG-596B-01-P34	3/4-10	P	
VG-596B-01-S34	3/4-10		S
VG-596B-01-PM20	M20	P	
VG-596B-01-SM20	M20		S



### 598B

#### Socket Style

Equipment and machine support requiring a metal leveler.

**Max. Rec. Static Load: 22000 lbs.**  
Includes 2:1 safety factor.

VG-598B-01-P100	1-8	P	
VG-598B-01-S100	1-8		S

### 580-NY

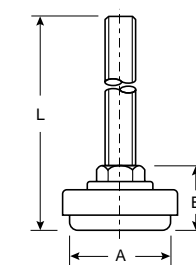
#### Adjustable Glides (Nylon Base)

Light duty leveling.

**Maximum Recommended Static Load: 100 lbs.**  
Includes 2:1 safety factor.

Base Material: Nylon base with zinc or black plated steel finish.  
Rockwell rating of base: R105 to R118 steel finish.

Part Number	Stem Thread	Steel Finish		A	B	L
		Zinc	Black			
VG-580-NY-P516-L2	5/16-18	P		1.0"	0.63"	2.13"
VG-580-NY-B516-L2	5/16-18		B	1.0"	0.63"	2.13"



### 580-NE

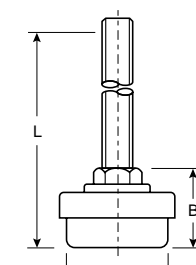
#### Adjustable Glides (Neoprene Base)

Light duty leveling.

**Maximum Recommended Static Load: 300 lbs.**  
(5/16-18 thread: 100 lbs.)  
Includes 2:1 safety factor.

Base Material: Neoprene base with zinc or black plated steel finish.  
Shore rating of base: 70 to 80

Part Number	Stem Thread	Steel Finish		A	B	L
		Zinc	Black			
VG-580-NE-P516-L2	5/16-18	P		1.0"	0.81"	2.31"
VG-580-NE-B516-L2	5/16-18		B	1.0"	0.81"	2.31"
VG-580-NE-P38-L4	3/8-16	P		1.50"	0.98"	3.98"
VG-580-NE-B38-L4	3/8-16		B	1.50"	0.98"	3.98"
VG-580-NE-P12-L3	1/2-13	P		1.50"	1.06"	3.06"
VG-580-NE-B12-L3	1/2-13		B	1.50"	1.06"	3.06"







# Custom Leveler Request for Quote

Valu Guide will be pleased to quote on levelers manufactured to your special requirements. This page may be copied and used to fax or mail your specifications. Check the box next to the appropriate leveler and use the **Modification** section to denote the changes. For assistance, please contact Valu Guide customer service at 866-765-8744

**Fax: 866-447-6587**

Person Requesting Custom Information \_\_\_\_\_

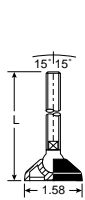
Company Name \_\_\_\_\_

Address \_\_\_\_\_

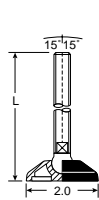
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

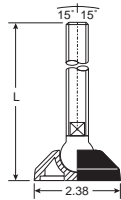
## Select Leveler to be Modified:



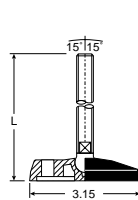
VG-533



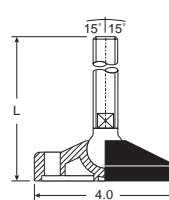
VG-537



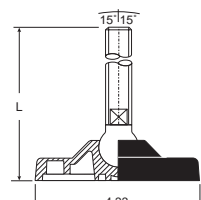
VG-501



VG-505



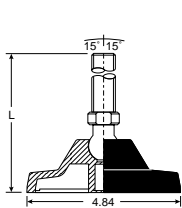
VG-511



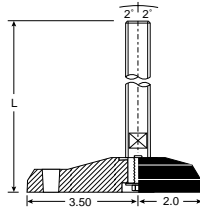
VG-518

VG-501-T

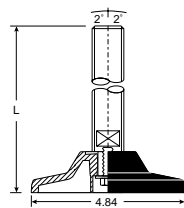
VG-511-T



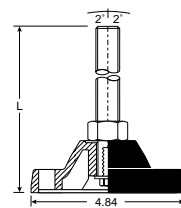
VG-513



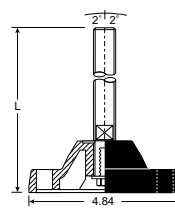
VG-525



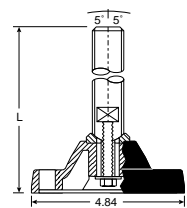
VG-517-K



VG-520



VG-520-K



VG-520-T

## Select Modifications:

**BASE MATERIAL:**  Reinforced polyamide  Reinforced polypropylene

**BASE CONFIGURATION:**  Standard  Solid  Urethane filled

**LAG HOLES REQUIRED:**  0  1  2

**VIBRATION PADS REQUIRED:**  Yes  No

**STEM MATERIAL:**  Plated steel  304 stainless steel  316 stainless steel

**STEM REQUIREMENTS:** Overall leveler height (L) \_\_\_\_\_  Socket style

Thread diameter \_\_\_\_\_

Screwdriver slot (min. 100 pieces ordered)

Wrench Flat (min. 100 pieces ordered)

**OTHER:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**QUANTITY REQUIRED:** This order: \_\_\_\_\_

Annually: \_\_\_\_\_

**DATE DELIVERY REQUIRED:** \_\_\_\_\_

# Post Caps



## 307

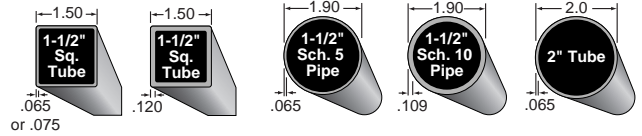
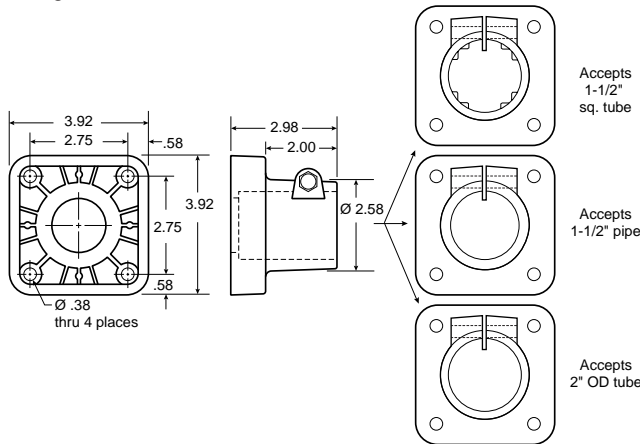
### Post Cap

Holds support legs made of 1-1/2 pipe or 2 inch OD tubing. Adapts to a variety of mounting configurations. Stainless steel tightening hardware included.



**Material:** Reinforced polyamide with stainless steel fasteners.

Part Number	Pipe Size	Tube Size
VG-307-1.50	1-1/2	-
VG-307-T2.0	-	2 (OD)
VG-307SQ-T1.50	-	1-1/2 SQ.



See page 204 for threaded tube ends.

## 308

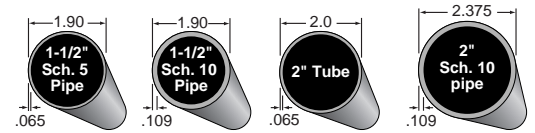
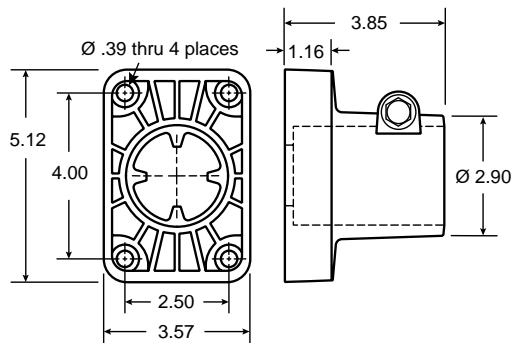
### Post Cap

Holds support legs made of pipe or tube. Adapts to a variety of mounting configurations. Stainless steel tightening hardware included.

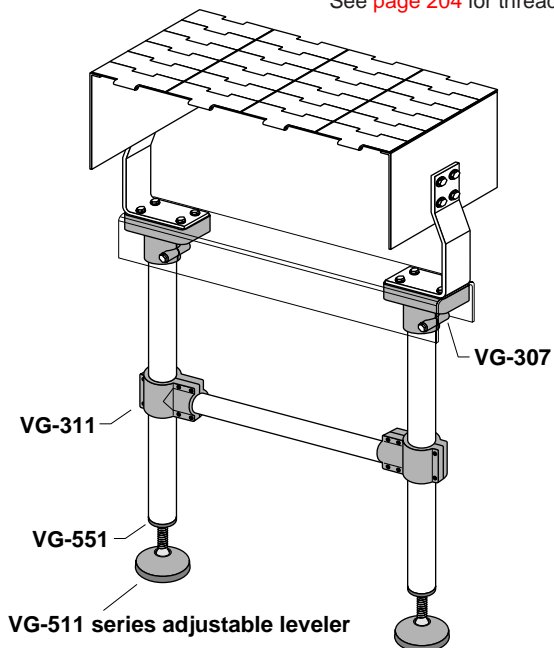
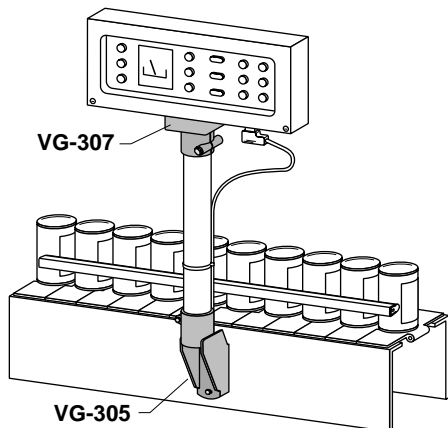


**Material:** Reinforced polyamide with stainless steel fasteners.

Part Number	Pipe Size	Tube Size
VG-308-1.50	1-1/2	-
VG-308-T2.0	-	2 (OD)
VG-308-2.00	2	-



See page 204 for threaded tube ends.



Machine & Equip. Components



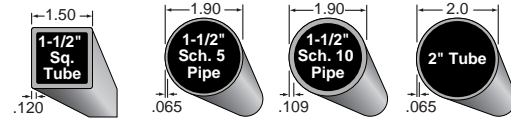
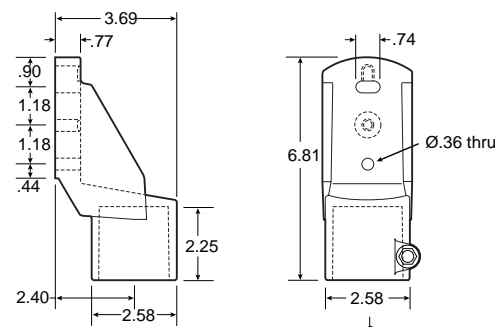
## Post Caps and Leg Ties

### 305

#### Side Mount Post Cap

Holds support legs made of 1-1/2 inch pipe, 1-1/2 square tubing, or 2 inch OD tubing.

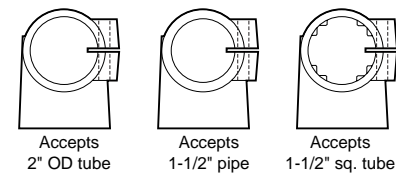
**Max. Recommended Static Load: 4400 lbs.**  
Includes 2:1 safety factor.



See page 204 for threaded tube ends.

**Material:** Reinforced polyamide with stainless steel fasteners.

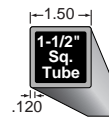
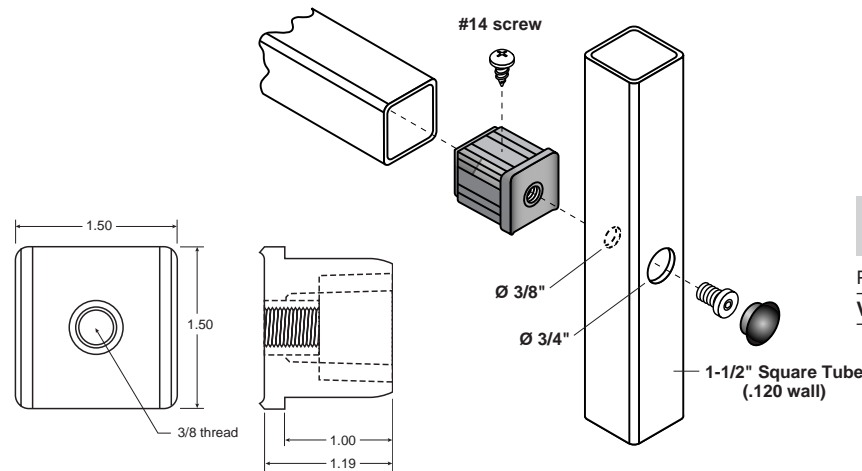
Part Number	Pipe Size	Tube Size
VG-305-1.50	1-1/2	-
VG-305-T2.0	-	2 (OD)
VG-305SQ-T1.50	-	1-1/2 SQ.



### C115

#### Connector for Square Tubing

Hardware included.



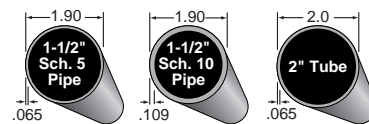
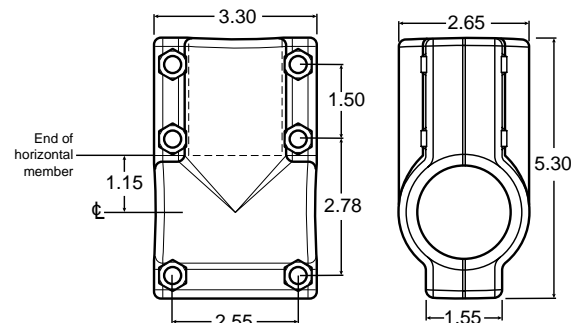
**Material:** Reinforced polyamide with stainless steel fasteners.

Part Number	Fits Tube Size
VG-C115	1-1/2 SQ.

### 311

#### Tee Leg Tie

Ties conveyor support legs together at 90° for reinforcement.



See page 204 for threaded tube ends.

**Material:** Reinforced polyamide with stainless steel fasteners.

Part Number	Vertical Member	Horizontal Member
VG-311-1515	1-1/2" pipe	1-1/2" pipe
VG-311-T2020	2" tube	2" tube

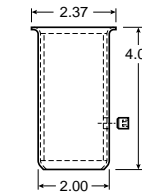
## Sanitary Legs



### 452

#### Sanitary Leg Weld Cap

Attaches to VG-450 Sanitary Leg and can be welded to conveyor frame. Set screw holds leg in place.



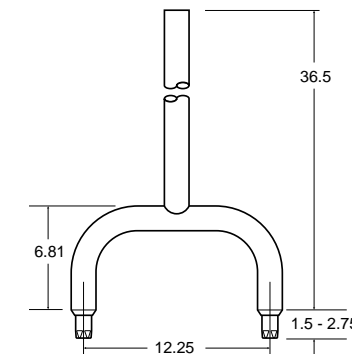
**Material:** 304 stainless steel

Part Number  
**VG-452**

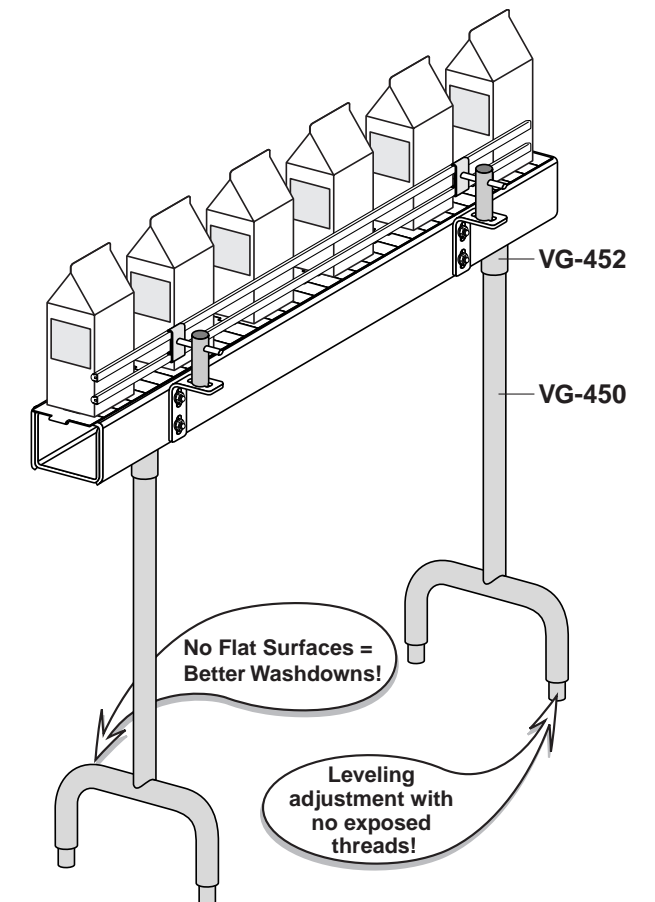
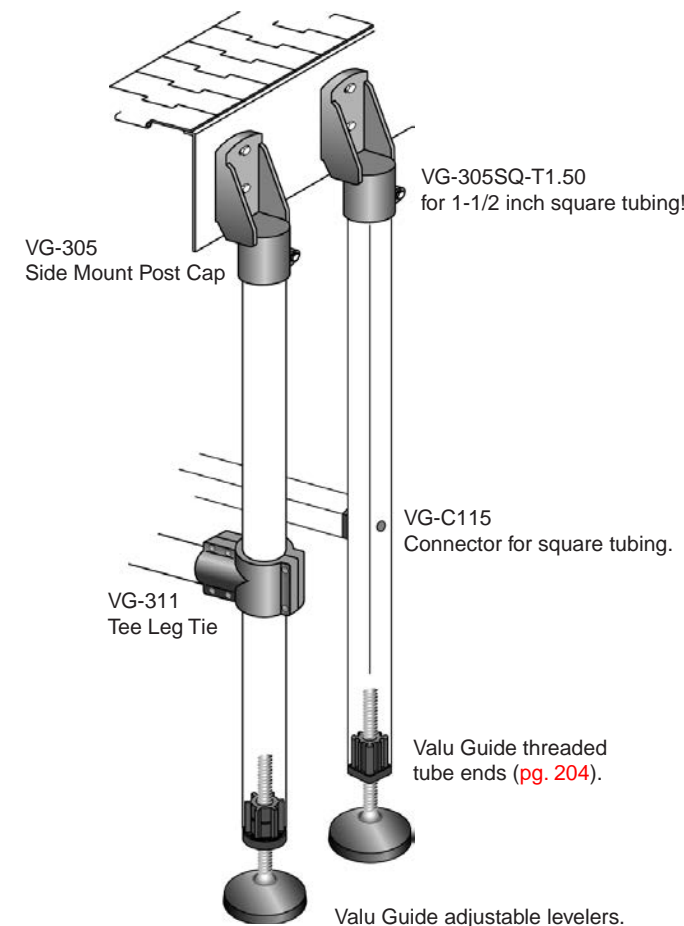
### 450

#### Sanitary Leg

Stainless steel leg base for conveyor support. Has about 1-1/4 inch of leveling adjustment per leg.



Part Number  
**VG-450**



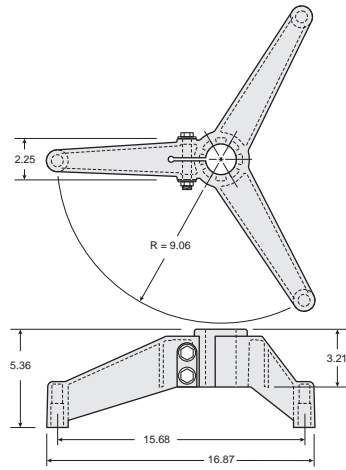
## Tripod and Bipod Bases



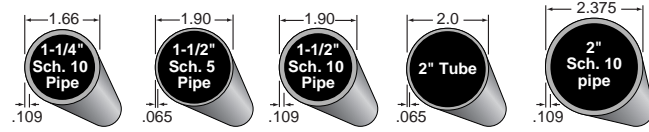
**410**

### Tripod Base

Leg base for machinery support. Leg inserts for adjustable levelers, casters, or direct floor mounting are available. Stainless steel tightening hardware included.



Bases can be used with the following:



**Material:** Reinforced polyamide with stainless steel fasteners and threaded brass inserts.

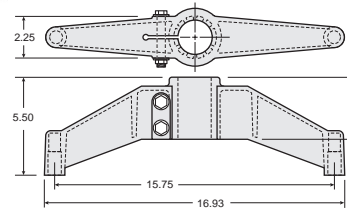
Part Number	Type	Dimension	Dimension	Thread
VG-410-1.25-58	1-1/4" pipe	1.66"	42.4 mm	5/8-11
VG-410-1.5-58	1-1/2" pipe	1.90"	48.3 mm	5/8-11
VG-410-T2.0-58	2" tube	2.0"	50.9 mm	5/8-11
VG-410-2.0-58	2" pipe	2.375"	60.3 mm	5/8-11
VG-410-1.25-M16	1-1/4" pipe	1.66"	42.4 mm	16 mm
VG-410-1.5-M16	1-1/2" pipe	1.90"	48.3 mm	16 mm
VG-410-T2.0-M16	2" tube	2.0"	50.9 mm	16 mm
VG-410-2.0-M16	2" pipe	2.375"	60.3 mm	16 mm



**402**

### Bipod Base

Leg base for machinery support. Leg inserts for adjustable levelers, casters, or direct floor mounting are available. Stainless steel tightening hardware included.



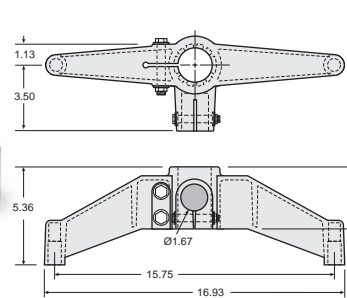
Part Number	Type	Dimension	Dimension	Thread
VG-402-1.25-58	1-1/4" pipe	1.66"	42.4 mm	5/8-11
VG-402-1.5-58	1-1/2" pipe	1.90"	48.3 mm	5/8-11
VG-402-T2.0-58	2" tube	2.0"	50.9 mm	5/8-11
VG-402-2.0-58	2" pipe	2.375"	60.3 mm	5/8-11
VG-402-1.25-M16	1-1/4" pipe	1.66"	42.4 mm	16 mm
VG-402-1.5-M16	1-1/2" pipe	1.90"	48.3 mm	16 mm
VG-402-T2.0-M16	2" tube	2.0"	50.9 mm	16 mm
VG-402-2.0-M16	2" pipe	2.375"	60.3 mm	16 mm



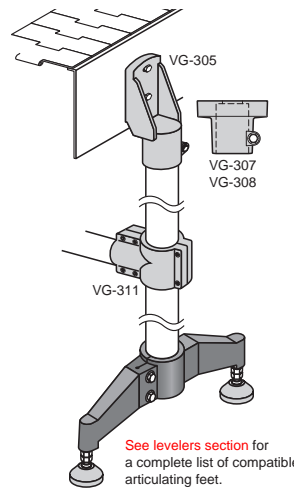
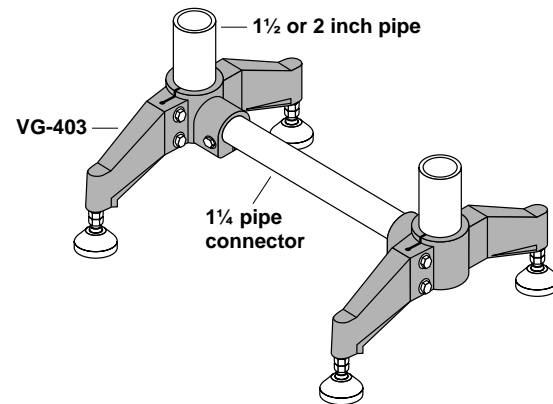
**403**

### Bipod Base Cross-Tie Version

Leg base for machinery support plus 1-1/4 pipe cross-tie arm openings for increased lateral stability. Leg inserts for adjustable levelers, casters, or direct floor mounting are available. Stainless steel tightening hardware included.



Part Number	Type	Dimension	Dimension	Thread
VG-403-1.5-58	1-1/2" pipe	1.90"	48.3 mm	5/8-11
VG-403-T2.0-58	2" tube	2.0"	50.9 mm	5/8-11
VG-403-2.0-58	2" pipe	2.375"	60.3 mm	5/8-11
VG-403-1.5-M16	1-1/2" pipe	1.90"	48.3 mm	16 mm
VG-403-T2.0-M16	2" tube	2.0"	50.9 mm	16 mm
VG-403-2.0-M16	2" pipe	2.375"	60.3 mm	16 mm



See levelers section for a complete list of compatible articulating feet.

## Bipod Bases

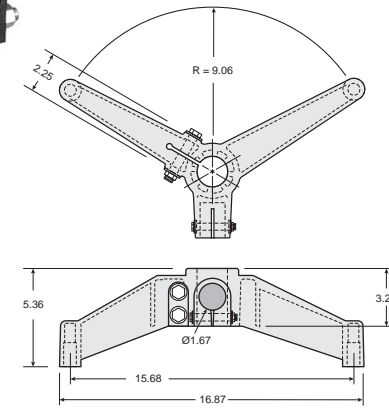


**NEW**

**404**

### Bipod Base Cross-Tie Version

Leg base for machinery support plus 1-1/4 pipe cross-tie arm openings for increased lateral stability. Leg inserts for adjustable levelers, casters, or direct floor mounting are available. Stainless steel tightening hardware included.



**Material:** Reinforced polyamide with stainless steel fasteners and threaded brass inserts.

Part Number	Type	Dimension	Dimension	Thread
VG-404-1.25-58	1-1/4" pipe	1.66"	42.4 mm	5/8-11
VG-404-1.5-58	1-1/2" pipe	1.90"	48.3 mm	5/8-11
VG-404-T2.0-58	2" tube	2.0"	50.9 mm	5/8-11
VG-404-2.0-58	2" pipe	2.375"	60.3 mm	5/8-11
VG-404-1.25-M16	1-1/4" pipe	1.66"	42.4 mm	16 mm
VG-404-1.5-M16	1-1/2" pipe	1.90"	48.3 mm	16 mm
VG-404-T2.0-M16	2" tube	2.0"	50.9 mm	16 mm
VG-404-2.0-M16	2" pipe	2.375"	60.3 mm	16 mm

### Recommended Maximum Load

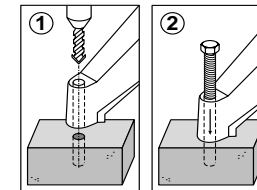
Support member: 2 inch schedule 40 pipe.  
Maximum bolt torque: 300 ft. lbs.

**VG-402: 1900 lbs.**  
**VG-410: 1700 lbs.**

Support member: 2 inch tube (thin wall).  
Maximum bolt torque: 150 ft. lbs.

**VG-402: 1400 lbs.**  
**VG-410: 1100 lbs.**

Support Member	Substructure Compatibility							
<b>1-1/4" pipe</b>	VG-402	VG-404	VG-410					
<b>1-1/2" pipe</b>	VG-402	VG-403	VG-404	VG-410	VG-305	VG-307	VG-308	VG-311
<b>2" tube</b>	VG-402	VG-403	VG-404	VG-410	VG-305	VG-307	VG-308	VG-311
<b>2" pipe</b>	VG-402	VG-403	VG-404	VG-410			VG-308	



**Direct Floor Anchoring**  
Structural reinforcing in the design allows the base to withstand loads required for floor anchoring. Drill with 1/2 bit as shown.



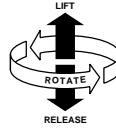
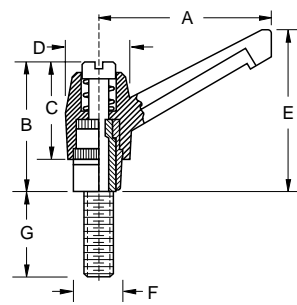
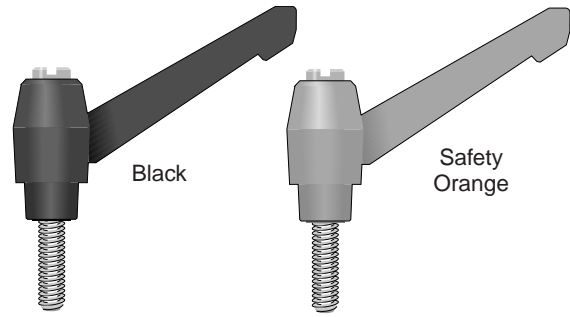
RH

Inch Threads

### Adjustable Ratchet Handles - Male

#### Male Ratchet Handles

For use in areas where frequent adjusting is required, where handle movement is restricted, or where adjustability without tools is desired. Reinforced polyamide handles are strong, sanitary, and corrosion resistant. Choose from multiple sizes, colors, and materials.



	Color		Material	Thread	G	Inches (Millimeters)												
	Black	Orange				A	B	C	D	E	F							
	RH-10-BK-MP1032-15	RH-10-OR-MP1032-15	•	10-32	0.59	1.63 (41)	1.21 (31)	0.91 (23)	0.63 (16)	1.51 (38)	0.42 (11)							
	RH-10-BK-MS1032-15	RH-10-OR-MS1032-15	•	10-32	0.59													
	RH-10-BK-MP1032-20	RH-10-OR-MP1032-20	•	10-32	0.79													
	RH-10-BK-MS1032-20	RH-10-OR-MS1032-20	•	10-32	0.79													
	RH-10-BK-MP1024-15	RH-10-OR-MP1024-15	•	10-24	0.59													
	RH-10-BK-MS1024-15	RH-10-OR-MS1024-15	•	10-24	0.59													
	RH-10-BK-MP1024-20	RH-10-OR-MP1024-20	•	10-24	0.79													
	RH-10-BK-MS1024-20	RH-10-OR-MS1024-20	•	10-24	0.79													
	RH-10-BK-MP1420-20	RH-10-OR-MP1420-20	•	1/4-20	0.79													
	RH-10-BK-MS1420-20	RH-10-OR-MS1420-20	•	1/4-20	0.79													
	RH-10-BK-MP1420-25	RH-10-OR-MP1420-25	•	1/4-20	0.98													
	RH-10-BK-MS1420-25	RH-10-OR-MS1420-25	•	1/4-20	0.98													
RH-10-BK-MP1420-30	RH-10-OR-MP1420-30	•	1/4-20	1.18														
RH-10-BK-MS1420-30	RH-10-OR-MS1420-30	•	1/4-20	1.18														
	RH-20-BK-MP51618-15	RH-20-OR-MP51618-15	•	5/16-18	0.59	2.16 (55)	1.39 (35)	1.02 (26)	0.80 (20)	1.94 (49)	0.53 (13)							
	RH-20-BK-MS51618-15	RH-20-OR-MS51618-15	•	5/16-18	0.59													
	RH-20-BK-MP51618-20	RH-20-OR-MP51618-20	•	5/16-18	0.79													
	RH-20-BK-MS51618-20	RH-20-OR-MS51618-20	•	5/16-18	0.79													
	RH-20-BK-MP51618-30	RH-20-OR-MP51618-30	•	5/16-18	1.18													
	RH-20-BK-MS51618-30	RH-20-OR-MS51618-30	•	5/16-18	1.18													
	RH-20-BK-MP51618-40	RH-20-OR-MP51618-40	•	5/16-18	1.57													
	RH-20-BK-MS51618-40	RH-20-OR-MS51618-40	•	5/16-18	1.57													
	RH-20-BK-MP51618-50	RH-20-OR-MP51618-50	•	5/16-18	1.97													
	RH-20-BK-MS51618-50	RH-20-OR-MS51618-50	•	5/16-18	1.97													
		RH-30-BK-MP3816-20	RH-30-OR-MP3816-20	•	3/8-16							0.79	3.13 (80)	1.82 (46)	1.36 (35)	1.06 (27)	2.58 (66)	0.72 (18)
		RH-30-BK-MS3816-20	RH-30-OR-MS3816-20	•	3/8-16							0.79						
RH-30-BK-MP3816-30		RH-30-OR-MP3816-30	•	3/8-16	1.18													
RH-30-BK-MS3816-30		RH-30-OR-MS3816-30	•	3/8-16	1.18													
RH-30-BK-MP3816-40		RH-30-OR-MP3816-40	•	3/8-16	1.57													
RH-30-BK-MS3816-40		RH-30-OR-MS3816-40	•	3/8-16	1.57													
RH-30-BK-MP3816-50		RH-30-OR-MP3816-50	•	3/8-16	1.97													
RH-30-BK-MS3816-50		RH-30-OR-MS3816-50	•	3/8-16	1.97													
RH-30-BK-MP1213-20		RH-30-OR-MP1213-20	•	1/2-13	0.79													
RH-30-BK-MS1213-20		RH-30-OR-MS1213-20	•	1/2-13	0.79													
RH-30-BK-MP1213-30		RH-30-OR-MP1213-30	•	1/2-13	1.18													
RH-30-BK-MS1213-30		RH-30-OR-MS1213-30	•	1/2-13	1.18													
RH-30-BK-MP1213-40		RH-30-OR-MP1213-40	•	1/2-13	1.57													
RH-30-BK-MS1213-40		RH-30-OR-MS1213-40	•	1/2-13	1.57													
RH-30-BK-MP1213-50		RH-30-OR-MP1213-50	•	1/2-13	1.97													
RH-30-BK-MS1213-50		RH-30-OR-MS1213-50	•	1/2-13	1.97													
RH-30-BK-MP1213-60		RH-30-OR-MP1213-60	•	1/2-13	2.36													
RH-30-BK-MS1213-60		RH-30-OR-MS1213-60	•	1/2-13	2.36													
	RH-40-BK-MP1213-30	—	zinc	—	1.18	3.94	2.33	1.86	1.34	3.30	.98							
	RH-40-BK-MP1213-40	—	zinc	—	1.57													
	RH-40-BK-MP1213-50	—	zinc	—	1.97													
	RH-40-BK-MP1213-60	—	zinc	—	2.36													

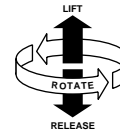
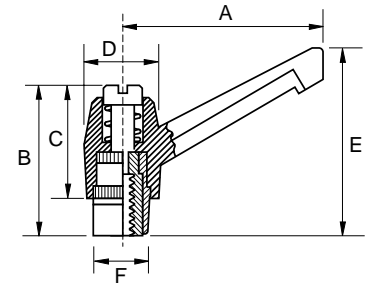
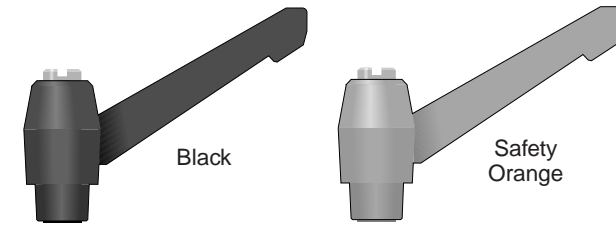


Inch Threads

### Adjustable Ratchet Handles - Female

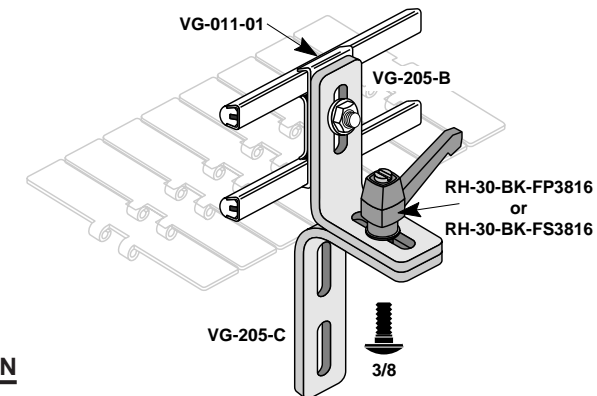
RH

#### Female Ratchet Handles



	Color		Material	Thread	Inches (Millimeters)					
	Black	Orange			A	B	C	D	E	F
	RH-10-BK-FP1032	RH-10-OR-FP1032	•	10-32	1.63 (41)	1.21 (31)	0.91 (23)	0.63 (16)	1.51 (38)	0.42 (11)
	RH-10-BK-FS1032	RH-10-OR-FS1032	•	10-32						
	RH-10-BK-FP1024	RH-10-OR-FP1024	•	10-24						
	RH-10-BK-FS1024	RH-10-OR-FS1024	•	10-24						
	RH-10-BK-FP1420	RH-10-OR-FP1420	•	1/4-20						
	RH-10-BK-FS1420	RH-10-OR-FS1420	•	1/4-20						
	RH-20-BK-FP1420	RH-20-OR-FP1420	•	1/4-20	2.16 (55)	1.39 (35)	1.02 (26)	0.80 (20)	1.94 (49)	0.53 (13)
	RH-20-BK-FS1420	RH-20-OR-FS1420	•	1/4-20						
	RH-20-BK-FP51618	RH-20-OR-FP51618	•	5/16-18						
	RH-20-BK-FS51618	RH-20-OR-FS51618	•	5/16-18						
	RH-30-BK-FP51618	RH-30-OR-FP51618	•	5/16-18	3.13 (80)	1.82 (46)	1.36 (35)	1.06 (27)	2.58 (66)	0.72 (18)
	RH-30-BK-FS51618	RH-30-OR-FS51618	•	5/16-18						
	RH-30-BK-FP3816	RH-30-OR-FP3816	•	3/8-16						
	RH-30-BK-FS3816	RH-30-OR-FS3816	•	3/8-16						
	RH-30-BK-FP1213	RH-30-OR-FP1213	•	1/2-13						
	RH-30-BK-FS1213	RH-30-OR-FS1213	•	1/2-13						
	RH-40-BK-FP1213	—	zinc	—	3.94	2.33	1.86	1.34	3.30	.98
	RH-40-BK-FP5811	—	zinc	—						

\*Note: Threaded inserts for female handles are made of nickel plated brass to avoid galling (surface wear) or seizing.



#### Recommended Maximum Torque:

- RH-10 5 N•m or 45 in/lbs
- RH-20 11.3 N•m or 100 in/lbs
- RH-30 28.3 N•m or 250 in/lbs
- RH-40 56.5 N•m or 500 in/lbs

#### ORDERING INFORMATION

##### RH-10-BK-MP1032-15

- Stud length (male only): 15 mm or .59 in., 20 mm or .79 in., 25 mm or .98 in., 30 mm or 1.18 in., 40 mm or 1.57 in., 50 mm or 1.97 in., 60 mm or 2.36 in.
- Bolt size in metric or: 1032=10-32, 1024=10-24, 1420=1/4-20, 51618=5/16-18, 3816= 3/8-16, 1213=1/2-13
- Configuration and material: M=male, F=female, P=black oxide coated steel, S=stainless steel
- Color: BK= black, OR=orange
- Ratchet Handle size: 10=small, 20=medium, 30=large, 40=extra large



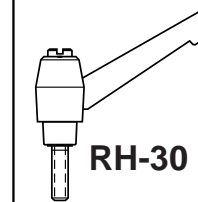
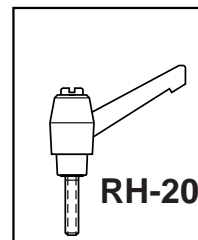
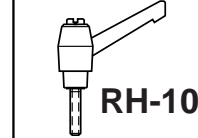
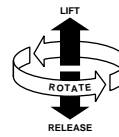
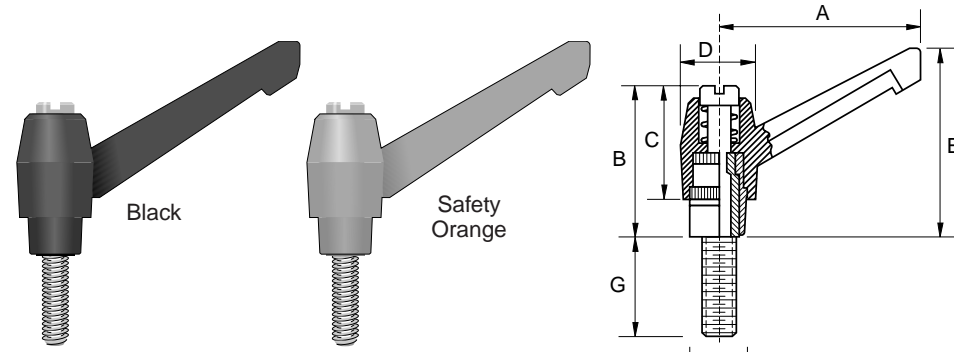
Metric Threads

### Adjustable Metric Ratchet Handles - Male

## RH

### Metric Male Ratchet Handles

For use in areas where frequent adjusting is required, where handle movement is restricted, or where adjustability without tools is desired. Reinforced polyamide handles are strong, sanitary, and corrosion resistant. Choose from multiple sizes, colors, and materials.



	Black	Orange	Black Oxide Coated Steel	Stainless Steel	Thread	Inches (Millimeters)						
						G	A	B	C	D	E	F
RH-10	RH-10-BK-MPM5-15	RH-10-OR-MPM5-15	•		M5 x .08	15	1.63 (41)	1.21 (31)	0.91 (23)	0.63 (16)	1.51 (38)	0.42 (11)
	RH-10-BK-MSM5-15	RH-10-OR-MSM5-15		•	M5 x .08	15						
	RH-10-BK-MPM5-20	RH-10-OR-MPM5-20	•		M5 x .08	20						
	RH-10-BK-MSM5-20	RH-10-OR-MSM5-20		•	M5 x .08	20						
	RH-10-BK-MPM5-25	RH-10-OR-MPM5-25	•		M5 x .08	25						
	RH-10-BK-MSM5-25	RH-10-OR-MSM5-25		•	M5 x .08	25						
	RH-10-BK-MPM6-15	RH-10-OR-MPM6-15	•		M6 x 1	15						
	RH-10-BK-MSM6-15	RH-10-OR-MSM6-15		•	M6 x 1	15						
	RH-10-BK-MPM6-20	RH-10-OR-MPM6-20	•		M6 x 1	20						
	RH-10-BK-MSM6-20	RH-10-OR-MSM6-20		•	M6 x 1	20						
RH-20	RH-20-BK-MPM8-15	RH-20-OR-MPM8-15	•		M8 x 1.25	15	2.16 (55)	1.39 (35)	1.02 (26)	0.80 (20)	1.94 (49)	0.53 (13)
	RH-20-BK-MSM8-15	RH-20-OR-MSM8-15		•	M8 x 1.25	15						
	RH-20-BK-MPM8-20	RH-20-OR-MPM8-20	•		M8 x 1.25	20						
	RH-20-BK-MSM8-20	RH-20-OR-MSM8-20		•	M8 x 1.25	20						
	RH-20-BK-MPM8-30	RH-20-OR-MPM8-30	•		M8 x 1.25	30						
	RH-20-BK-MSM8-30	RH-20-OR-MSM8-30		•	M8 x 1.25	30						
	RH-20-BK-MPM8-40	RH-20-OR-MPM8-40	•		M8 x 1.25	40						
	RH-20-BK-MSM8-40	RH-20-OR-MSM8-40		•	M8 x 1.25	40						
RH-30	RH-30-BK-MPM10-20	RH-30-OR-MPM10-20	•		M10 x 1.5	20	3.13 (80)	1.82 (46)	1.36 (35)	1.06 (27)	2.58 (66)	0.72 (18)
	RH-30-BK-MSM10-20	RH-30-OR-MSM10-20		•	M10 x 1.5	20						
	RH-30-BK-MPM10-30	RH-30-OR-MPM10-30	•		M10 x 1.5	30						
	RH-30-BK-MSM10-30	RH-30-OR-MSM10-30		•	M10 x 1.5	30						
	RH-30-BK-MPM10-40	RH-30-OR-MPM10-40	•		M10 x 1.5	40						
	RH-30-BK-MSM10-40	RH-30-OR-MSM10-40		•	M10 x 1.5	40						
	RH-30-BK-MPM10-50	RH-30-OR-MPM10-50	•		M10 x 1.5	50						
	RH-30-BK-MSM10-50	RH-30-OR-MSM10-50		•	M10 x 1.5	50						
	RH-30-BK-MPM12-20	RH-30-OR-MPM12-20	•		M12 x 1.75	20						
	RH-30-BK-MSM12-20	RH-30-OR-MSM12-20		•	M12 x 1.75	20						
	RH-30-BK-MPM12-30	RH-30-OR-MPM12-30	•		M12 x 1.75	30						
	RH-30-BK-MSM12-30	RH-30-OR-MSM12-30		•	M12 x 1.75	30						
RH-30-BK-MPM12-40	RH-30-OR-MPM12-40	•		M12 x 1.75	40							
RH-30-BK-MSM12-40	RH-30-OR-MSM12-40		•	M12 x 1.75	40							
RH-30-BK-MPM12-50	RH-30-OR-MPM12-50	•		M12 x 1.75	50							
RH-30-BK-MSM12-50	RH-30-OR-MSM12-50		•	M12 x 1.75	50							
RH-30-BK-MPM12-60	RH-30-OR-MPM12-60	•		M12 x 1.75	60							
RH-30-BK-MSM12-60	RH-30-OR-MSM12-60		•	M12 x 1.75	60							

Machine & Equip. Components



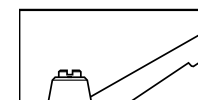
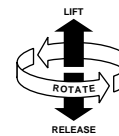
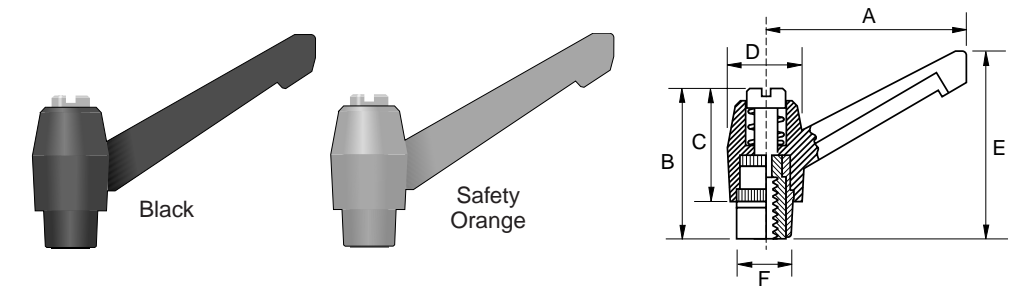
Metric Threads

### Adjustable Metric Ratchet Handles - Female

## RH

### Metric Female Ratchet Handles

For use in areas where frequent adjusting is required, where handle movement is restricted, or where adjustability without tools is desired. Reinforced polyamide handles are strong, sanitary, and corrosion resistant. Choose from multiple sizes, colors, and materials.

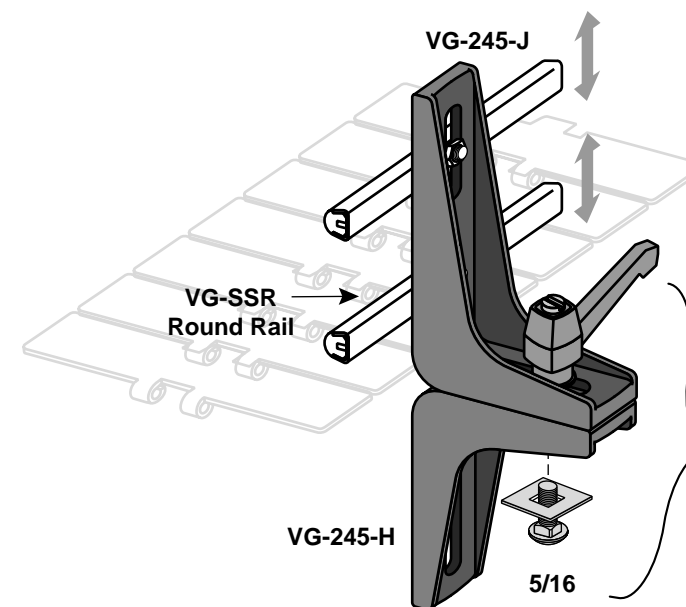


	Black	Orange	Black Oxide Coated Steel	Stainless Steel	Thread	Inches (Millimeters)					
						A	B	C	D	E	F
RH-10	RH-10-BK-FPM5	RH-10-OR-FPM5	•		M5 x .08	1.63 (41)	1.21 (31)	0.91 (23)	0.63 (16)	1.51 (38)	0.42 (11)
	RH-10-BK-FSM5	RH-10-OR-FSM5		•	M5 x .08						
	RH-10-BK-FPM6	RH-10-OR-FPM6	•		M6 x 1						
	RH-10-BK-FSM6	RH-10-OR-FSM6		•	M6 x 1						
RH-20	RH-20-BK-FPM6	RH-20-OR-FPM6	•		M6 x 1	2.16 (55)	1.39 (35)	1.02 (26)	0.80 (20)	1.94 (49)	0.53 (13)
	RH-20-BK-FSM6	RH-20-OR-FSM6		•	M6 x 1						
	RH-20-BK-FPM8	RH-20-OR-FPM8	•		M8 x 1.25						
	RH-20-BK-FSM8	RH-20-OR-FSM8		•	M8 x 1.25						
RH-30	RH-30-BK-FPM8	RH-30-OR-FPM8	•		M8 x 1.25	3.13 (80)	1.82 (46)	1.36 (35)	1.06 (27)	2.58 (66)	0.72 (18)
	RH-30-BK-FSM8	RH-30-OR-FSM8		•	M8 x 1.25						
	RH-30-BK-FPM10	RH-30-OR-FPM10	•		M10 x 1.5						
	RH-30-BK-FSM10	RH-30-OR-FSM10		•	M10 x 1.5						
	RH-30-BK-FPM12	RH-30-OR-FPM12	•		M12 x 1.75						
RH-30-BK-FSM12	RH-30-OR-FSM12		•	M12 x 1.75							

\*Note: Threaded inserts for female handles are made of nickel plated brass to avoid galling (surface wear) or seizing.

### Recommended Maximum Torque:

- RH-10 5 N•m or 45 in/lbs
- RH-20 11.3 N•m or 100 in/lbs
- RH-30 28.3 N•m or 250 in/lbs



VG-245-HDW-02-516 Hardware Kit

Machine & Equip. Components

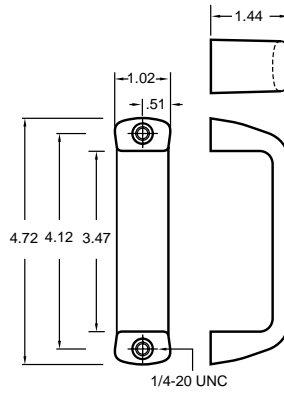
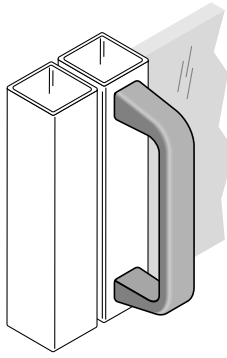


# Handles

## 631

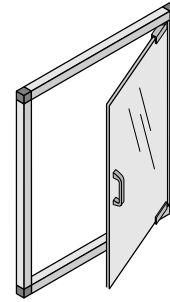
### Standard Duty Handle

Sleek, medium duty handle used for doors, cabinets and other applications.



**Materials:** Reinforced gray or black polyamide with female threaded brass insert.

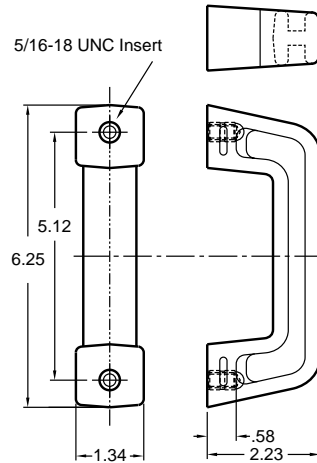
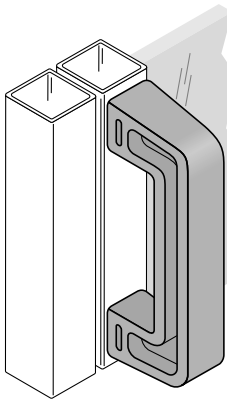
Part Number	Color	Thread
<b>VG-631-14</b>	<b>Black</b>	<b>1/4-20</b>
<b>VG-631-14-GR</b>	<b>Gray</b>	<b>1/4-20</b>



## 632

### Heavy Duty Handle

Corrosion resistant design offers exceptional durability for doors, cabinets, clean-out panels, lift up covers and applications requiring a stronger handle.



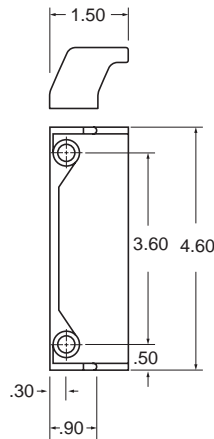
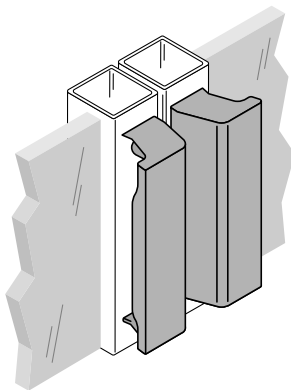
**Materials:** Reinforced black polyamide with female threaded brass insert.

Part Number	Color	Thread
<b>VG-632-516</b>	<b>Black</b>	<b>5/16-18</b>

## 630

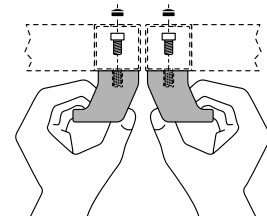
### Safety Handle

Closed designed handle allows easy opening without pinched fingers and scraped knuckles when handles are mounted side by side on adjacent doors. Fasteners and tube hole caps included.



**Materials:** Reinforced black polyamide with 304 stainless steel screws and polyamide tube hole caps included.

Part Number	Color	Thread
<b>VG-630-BK</b>	<b>Black</b>	<b>M6</b>

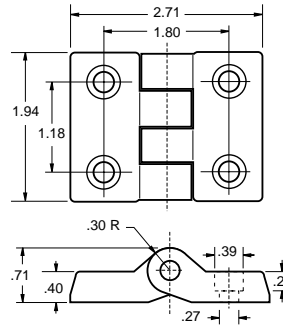
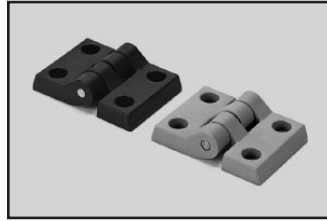




## 633

### Standard Duty Hinge

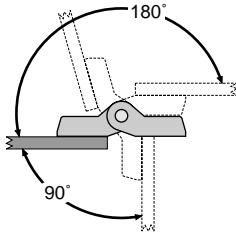
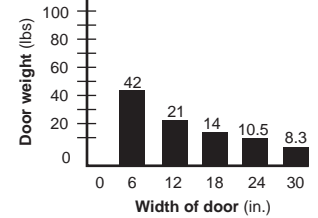
Attractive, corrosion resistant design offers exceptional durability for doors, cabinets, clean-out panels and lift up covers. Fastening holes are pre-drilled, each ribbed for additional strength. Fasteners not included.



**Materials:** Reinforced gray or black polyamide with stainless steel pin.

Part Number	Color
<b>VG-633</b>	<b>Black</b>
<b>VG-633-GR</b>	<b>Gray</b>

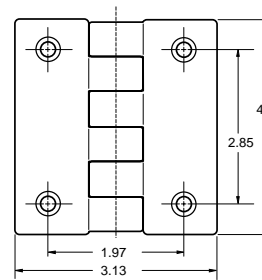
Two Hinge Load Capacity



## 634

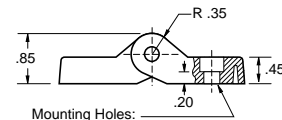
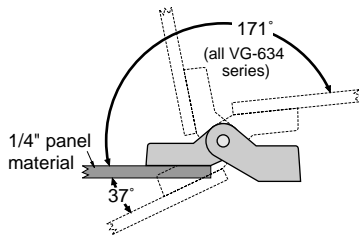
### Heavy Duty Hinge

Corrosion resistant design offers exceptional durability with a higher load capacity. Fastening holes are predrilled on both the full surface or offset styles, each ribbed for additional strength. Fasteners not included.

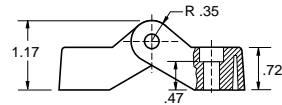


**Materials:** Reinforced gray or black polyamide with stainless steel pin.

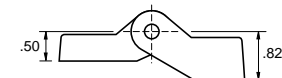
Part Number	Color	Fastener(in.)
<b>VG-634-AA</b>	<b>Black</b>	<b>1/4</b>
<b>VG-634-AA-GR</b>	<b>Gray</b>	<b>1/4</b>
<b>VG-634-AB</b>	<b>Black</b>	<b>1/4</b>
<b>VG-634-AB-GR</b>	<b>Gray</b>	<b>1/4</b>
<b>VG-634-BB</b>	<b>Black</b>	<b>1/4</b>
<b>VG-634-BB-GR</b>	<b>Gray</b>	<b>1/4</b>
<b>VG-634-CC</b>	<b>Black</b>	<b>5/16</b>
<b>VG-634-CC-GR</b>	<b>Gray</b>	<b>5/16</b>
<b>VG-634-CD</b>	<b>Black</b>	<b>5/16</b>
<b>VG-634-CD-GR</b>	<b>Gray</b>	<b>5/16</b>
<b>VG-634-DD</b>	<b>Black</b>	<b>5/16</b>
<b>VG-634-DD-GR</b>	<b>Gray</b>	<b>5/16</b>



**VG-634-AA** (1/4 mount)  
**VG-634-CC** (5/16 mount)

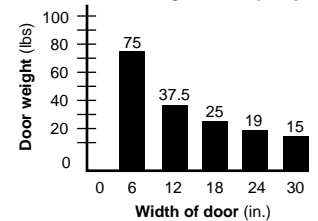


**VG-634-BB** (1/4 mount)  
**VG-634-DD** (5/16 mount)



**VG-634-AB** (1/4 mount)  
**VG-634-CD** (5/16 mount)

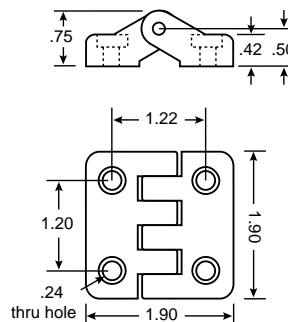
Two Hinge Load Capacity



## 635

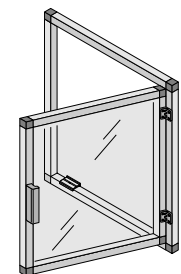
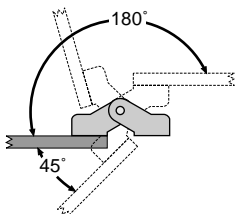
### Standard Duty Hinge

Attractive, corrosion resistant design offers exceptional durability for swinging doors and panels. Designed for 1/4 inch gap between door and frame. Fasteners not included.



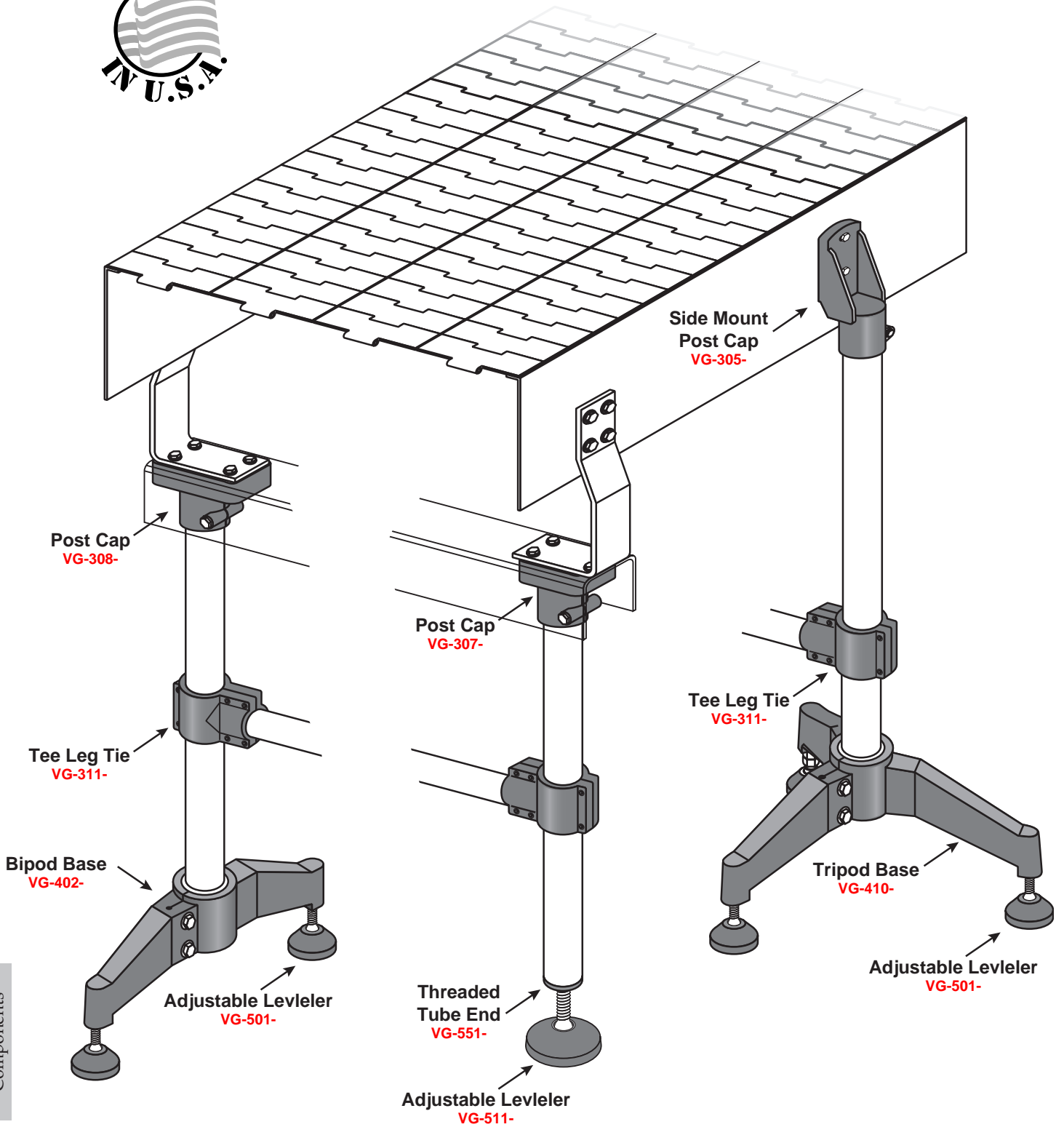
**Materials:** Reinforced gray or black polyamide.

Part Number	Color
<b>VG-635-BK</b>	<b>Black</b>
<b>VG-635-GR</b>	<b>Gray</b>



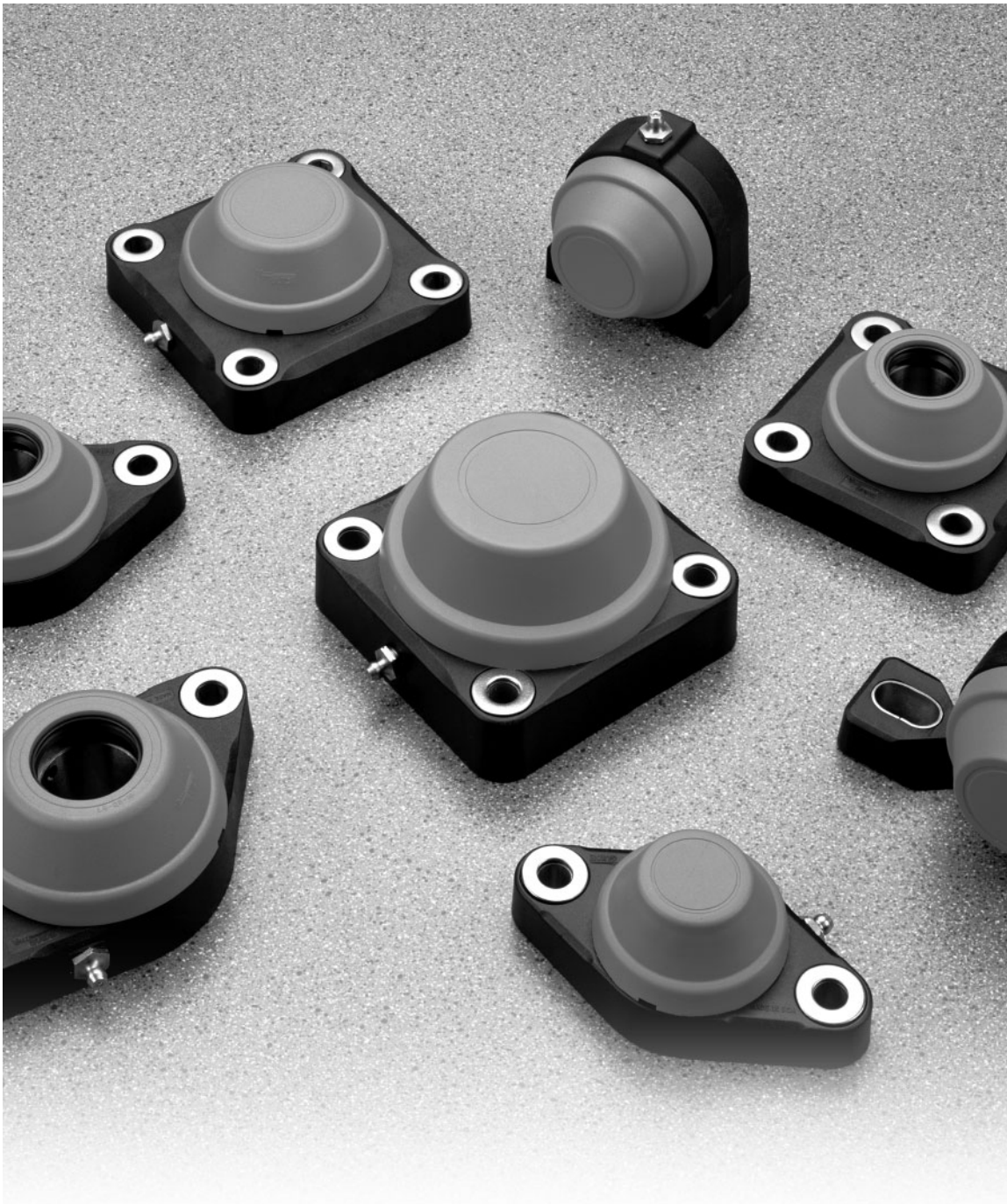


# Typical Valu Guide Substructure Applications



Machine & Equip. Components

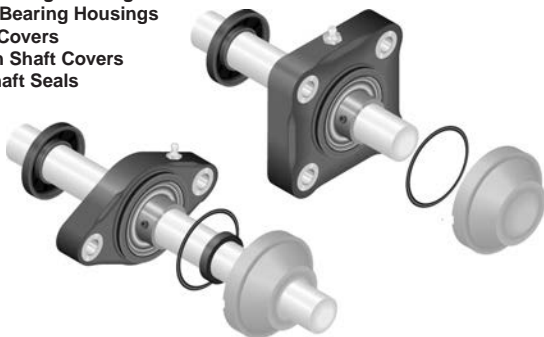
# Mounted Bearings & Accessories



## Section Overview

LifeGard™ ... Page  
**236-246,**  
**250-253**

2 Hole Bearing Housings  
 4 Hole Bearing Housings  
 Stainless Gray Bearing Housings  
 White Bearing Housings  
 Tapped Bearing Housings  
 Closed Covers  
 Through Shaft Covers  
 Back Shaft Seals



Metal Flange Mounts with  
 Spherical O.D. Bearings ... Page **247-249**

2 Bolt Side Flange Bearings  
 4 Bolt Side Flange Bearings  
 Miniature Side Flange Bearings  
 Pillow Blocks  
 Miniature Pillow Blocks  
 Spherical Bearings



Shaft Protector  
 Bearings ...

Page **254-256**



# LifeGard™

## The Total Protection System

Flange bearings fail prematurely most often due to environmental effects. Premature failure occurs when the bearing insert is exposed to chemicals and/or particulates combined with daily high pressure cleanings. These same elements corrode or discolor unprotected cast iron housings. Attempts to "coat" the iron with special paints or other coverings may be acceptable at first, but fail to be a lasting solution once they are scratched or chipped. LifeGard is the solution.



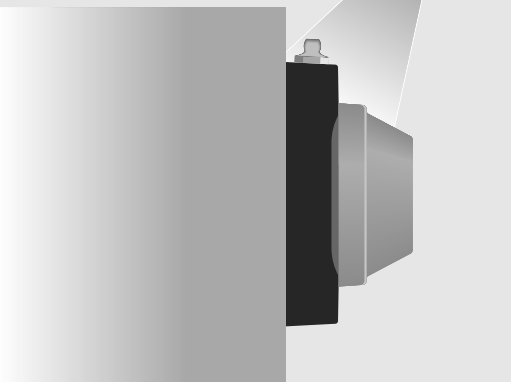
With LifeGard, moisture, corrosives, dust and other particulates are kept away from the bearing by a system of covers and seals. Plus, the covers protect the bearing and lubricants during routine equipment cleaning. Nicks and scratches do not affect LifeGard's bearing housing because it is precision molded entirely from a corrosion resistant material - there are no vulnerable surfaces to expose. With LifeGard, there is no compromise when it comes to strength. The fiber reinforced polyamide housings are engineered to match the load capacity and speed requirements of standard bearing inserts. LifeGard bearing covers are available in bright orange to help identify rotating machinery areas. Housings and covers are also available in stainless gray. The Nolu-S spherical plastic bearing can be ordered with any housing unit. Measured over time, the benefits of LifeGard are clearly apparent. Why not eliminate the need to replace prematurely worn out bearings? Put the LifeGard bearing protection system to work for you.



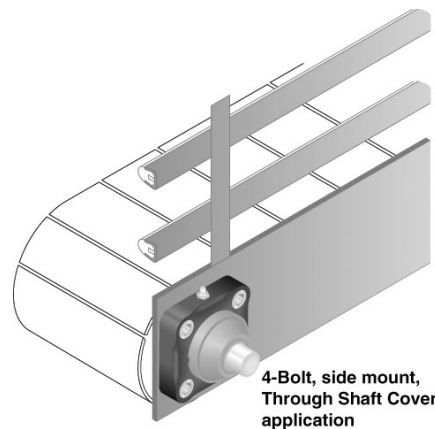
**LifeGard™ protects bearings from corrosives, moisture, powders, dust and grit.**

machinery areas. Housings and covers are also available in stainless gray. The Nolu-S spherical plastic bearing can be ordered with any housing unit. Measured over time, the benefits of LifeGard are clearly apparent. Why not eliminate the need to replace prematurely worn out bearings? Put the LifeGard bearing protection system to work for you.

### Harsh Environment Performance Advantage



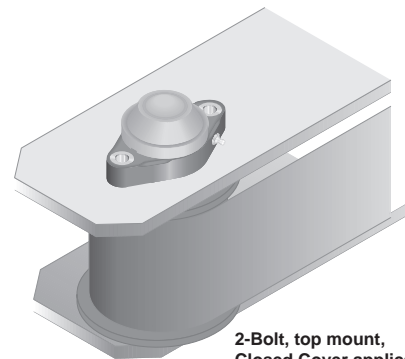
Plastic covers lock in place and seal against high pressure washdown. Bearing stays free of liquids and particulates so inserts do not rust or fail prematurely.



4-Bolt, side mount, Through Shaft Cover application

#### LifeGard System Protects against:

- DUST, POWDER
- MOISTURE
- CORROSIVES
- CONTAMINATES



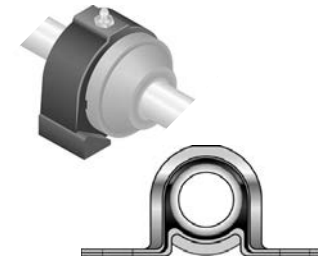
2-Bolt, top mount, Closed Cover application



# LifeGard™ Bearing Options...

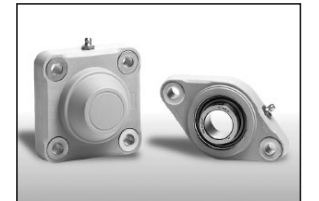
### Housing Style

LifeGard bearings come in 2 or 4 hole flange and pillow block styles. The engineered plastic housings can be ordered with solid back construction. Also available are tapped bases for easy mounting and large or small versions of the flanged housings.



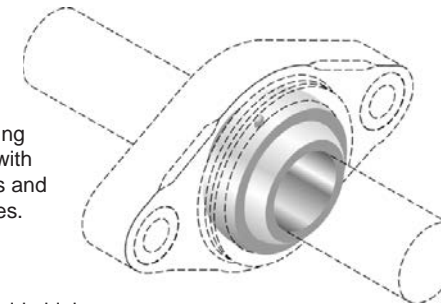
### Housing Material

Choices include: polyamide, polypropylene, stainless steel, carbon steel. Polyamide housings come in black, white, or stainless gray color.



### Bearing Mechanisms

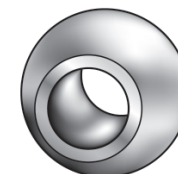
Nolu-S self lubricating bearings are used with polyamide housings and LifeGard accessories.



Ball bearings units provide high load capacity and speed requirements, plus the harsh environment performance advantage of LifeGard caps and seals.



Spherical bearings, made from Nolu-S, UHMW, or Arguto-K wood, are used in steel flange or pillow block housings.

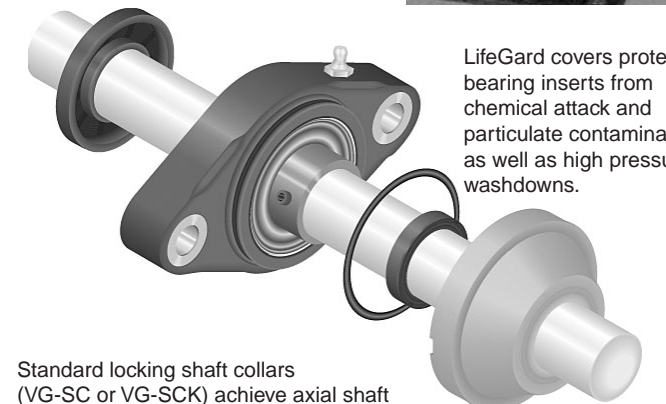


### LifeGard Accessories

#### Shaft protecting sleeve

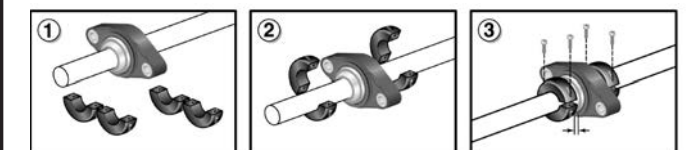


Back shaft seals protect the bearing insert from liquids and corrosive attack.



LifeGard covers protect bearing inserts from chemical attack and particulate contamination as well as high pressure washdowns.

Standard locking shaft collars (VG-SC or VG-SCK) achieve axial shaft location and provide a slight running clearance.



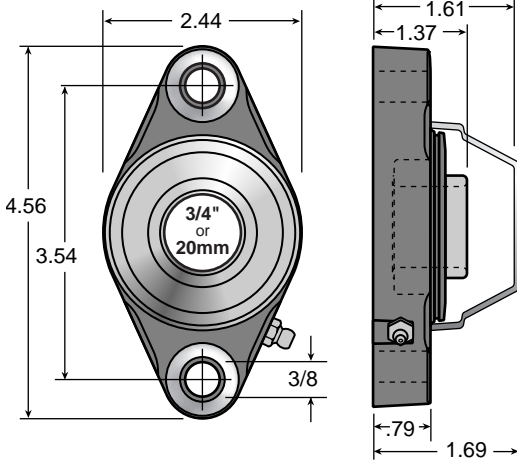


## 2 Hole Bearing Housings

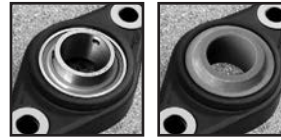
### 12, M20

3/4" or 20 mm Shaft,  
204 Series Insert  
2 Hole Flange Bearing

Available in multiple materials,  
configurations, and colors.



For 3/4" or 20 mm dia. shafts



Ball bearing insert

Nolu-S UHMW\* bearing insert

**Housing Materials:**  
Polyamide, (PA) or  
Polypropylene, (PP)  
for extremely corrosive  
environments.

	Part Number		Housing color/material	Max load (lbs.)
3/4 inch dia. shaft	LG-2FPA-12	•	Black/PA	1170
	LG-2FPP-12	•	Black/PP	580
	LG-2FPA-12-NS		Black/PA	400
	LG-2FPP-12-NS		Black/PP	400
	LG-2FPA-12-GR	•	Gray/PA	1170
	LG-2FPP-12-GR	•	Gray/PP	580
	LG-2FPA-12-NS-GR		Gray/PA	400
	LG-2FPP-12-NS-GR		Gray/PP	400
20 mm dia. shaft	LG-2FPA-M20	•	Black/PA	1170
	LG-2FPP-M20	•	Black/PP	580
	LG-2FPA-M20-NS		Black/PA	400
	LG-2FPP-M20-NS		Black/PP	400
	LG-2FPA-M20-GR	•	Gray/PA	1170
	LG-2FPP-M20-GR	•	Gray/PP	580
	LG-2FPA-M20-NS-GR		Gray/PA	400
	LG-2FPP-M20-NS-GR		Gray/PP	400

### Solid 12, M20

3/4" or 20 mm Shaft,  
204 Series Insert  
2 Hole Solid  
Flange Bearing

Available in multiple materials,  
configurations, and colors.



Bearing housing is solid material with no cavities.

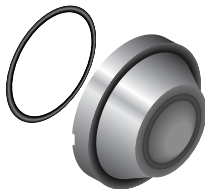
	Part Number		Housing color/material	Max load (lbs.)
3/4 inch dia. shaft	LGS-2FPA-12	•	Black/PA	1170
	LGS-2FPP-12	•	Black/PP	580
	LGS-2FPA-12-NS		Black/PA	400
	LGS-2FPP-12-NS		Black/PP	400
	LGS-2FPA-12-GR	•	Gray/PA	1170
	LGS-2FPP-12-GR	•	Gray/PP	580
	LGS-2FPA-12-NS-GR		Gray/PA	400
	LGS-2FPP-12-NS-GR		Gray/PP	400
20 mm dia. shaft	LGS-2FPA-M20	•	Black/PA	1170
	LGS-2FPP-M20	•	Black/PP	580
	LGS-2FPA-M20-NS		Black/PA	400
	LGS-2FPP-M20-NS		Black/PP	400
	LGS-2FPA-M20-GR	•	Gray/PA	1170
	LGS-2FPP-M20-GR	•	Gray/PP	580
	LGS-2FPA-M20-NS-GR		Gray/PA	400
	LGS-2FPP-M20-NS-GR		Gray/PP	400

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

#### Covers and seals sold separately

**C**

Closed Cover with O-Ring

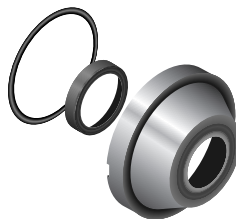


Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-C-12	Orange	3/4", 20 mm
LG-C-12-GR	Gray	3/4", 20 mm

**CS**

Open Cover with Front Shaft Seal and O-Ring

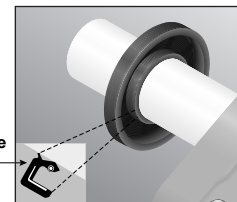


Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-12	Orange	3/4"
LG-CS-12-GR	Gray	3/4"
LG-CS-M20	Orange	20 mm
LG-CS-M20-GR	Gray	20 mm

**B**

Back Shaft Seal



Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-12	3/4"
LG-B-M20	20 mm

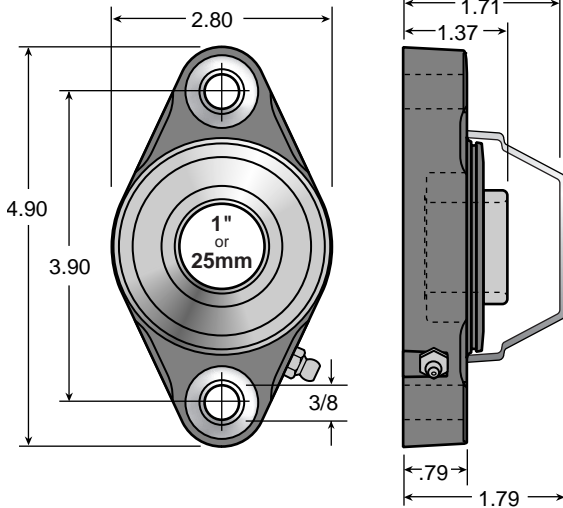
## 2 Hole Bearing Housings



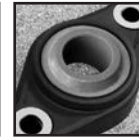
### 16, M25

#### 1" or 25 mm Shaft, 205 Series Insert 2 Hole Flange Bearing

Available in multiple materials, configurations, and colors.



Ball bearing insert



Nolu-S UHMW\* bearing insert

**Housing Materials:**  
Polyamide, (PA) or Polypropylene, (PP) for extremely corrosive environments.

	Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1 inch dia. shaft	LG-2FPA-16	•		Black/PA	1320
	LG-2FPP-16	•		Black/PP	660
	LG-2FPA-16-NS		•	Black/PA	500
	LG-2FPP-16-NS		•	Black/PP	500
	LG-2FPA-16-GR	•		Gray/PA	1320
	LG-2FPP-16-GR	•		Gray/PP	660
	LG-2FPA-16-NS-GR		•	Gray/PA	500
	LG-2FPP-16-NS-GR		•	Gray/PP	500

25 mm dia. shaft	LG-2FPA-M25	•		Black/PA	1320
	LG-2FPP-M25	•		Black/PP	660
	LG-2FPA-M25-NS		•	Black/PA	500
	LG-2FPP-M25-NS		•	Black/PP	500
	LG-2FPA-M25-GR	•		Gray/PA	1320
	LG-2FPP-M25-GR	•		Gray/PP	660
	LG-2FPA-M25-NS-GR		•	Gray/PA	500
	LG-2FPP-M25-NS-GR		•	Gray/PP	500

### Solid 16, M25

#### 1" or 25 mm Shaft, 205 Series Insert 2 Hole Solid Flange Bearing

Available in multiple materials, configurations, and colors.

*Bearing housing is solid material with no cavities.*



Solid Housings

1 inch dia. shaft	LGS-2FPA-16	•		Black/PA	1320
	LGS-2FPP-16	•		Black/PP	660
	LGS-2FPA-16-NS		•	Black/PA	500
	LGS-2FPP-16-NS		•	Black/PP	500
	LGS-2FPA-16-GR	•		Gray/PA	1320
	LGS-2FPP-16-GR	•		Gray/PP	660
	LGS-2FPA-16-NS-GR		•	Gray/PA	500
	LGS-2FPP-16-NS-GR		•	Gray/PP	500

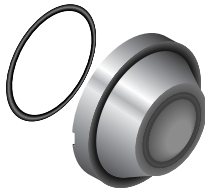
25 mm dia. shaft	LGS-2FPA-M25	•		Black/PA	1320
	LGS-2FPP-M25	•		Black/PP	660
	LGS-2FPA-M25-NS		•	Black/PA	500
	LGS-2FPP-M25-NS		•	Black/PP	500
	LGS-2FPA-M25-GR	•		Gray/PA	1320
	LGS-2FPP-M25-GR	•		Gray/PP	660
	LGS-2FPA-M25-NS-GR		•	Gray/PA	500
	LGS-2FPP-M25-NS-GR		•	Gray/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

### Covers and seals sold separately

**C**

Closed Cover with O-Ring

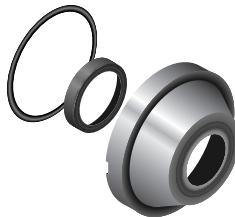


Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-C-16	Orange	1", 25 mm
LG-C-16-GR	Gray	1", 25 mm

**CS**

Open Cover with Front Shaft Seal and O-Ring

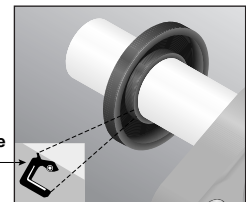


Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-16	Orange	1"
LG-CS-16-GR	Gray	1"
LG-CS-M25	Orange	25 mm
LG-CS-M25-GR	Gray	25 mm

**B**

Back Shaft Seal



Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-16	1"
LG-B-M25	25 mm



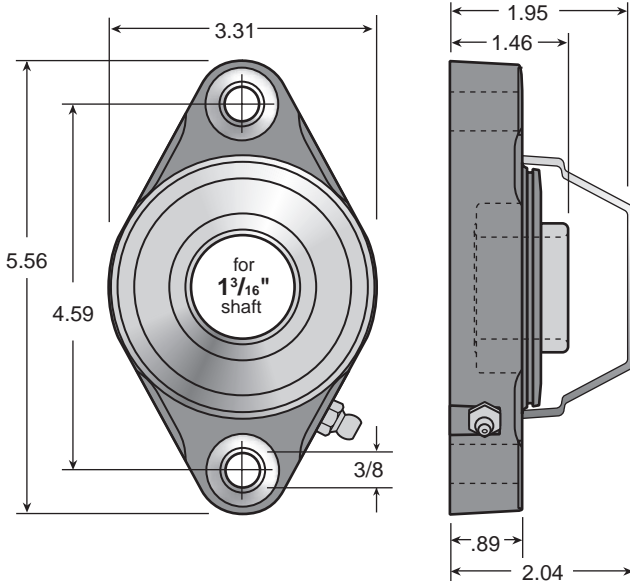
## 2 Hole Bearing Housings

19

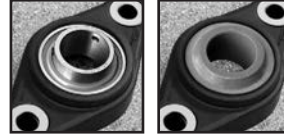


### 1-3/16" Shaft, 206 Series Insert 2 Hole Flange Bearing

Available in multiple materials, configurations, and colors.



Materials: Polyamide, PA or Polypropylene, PP (for extremely corrosive environments) bearing housings.



	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1-3/16 inch dia. shaft	•		Black/PA	1710
	•		Black/PP	855
		•	Black/PA	700
		•	Black/PP	700
	•		Gray/PA	1710
	•		Gray/PP	855
		•	Gray/PA	700
		•	Gray/PP	700

### Solid 19

### 1-3/16" Shaft, 206 Series Insert 2 Hole Solid Flange Bearing

Available in multiple materials, configurations, and colors.



Bearing housing is solid material with no cavities.

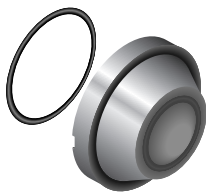
	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
Solid Housings 1-3/16 inch dia. shaft	•		Black/PA	1710
	•		Black/PP	855
		•	Black/PA	700
		•	Black/PP	700
	•		Gray/PA	1710
	•		Gray/PP	855
		•	Gray/PA	700
		•	Gray/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

#### Covers and seals sold separately

**C**

Closed Cover with O-Ring

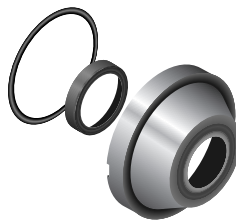


Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-C-19/20	Orange	1-3/16"
LG-C-19/20-GR	Gray	1-3/16"

**CS**

Open Cover with Front Shaft Seal and O-Ring



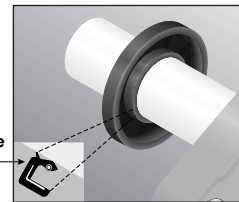
Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-19	Orange	1-3/16"
LG-CS-19-GR	Gray	1-3/16"

**B**

Back Shaft Seal

Double Lip



Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-19	1-3/16"

## 2 Hole Bearing Housings

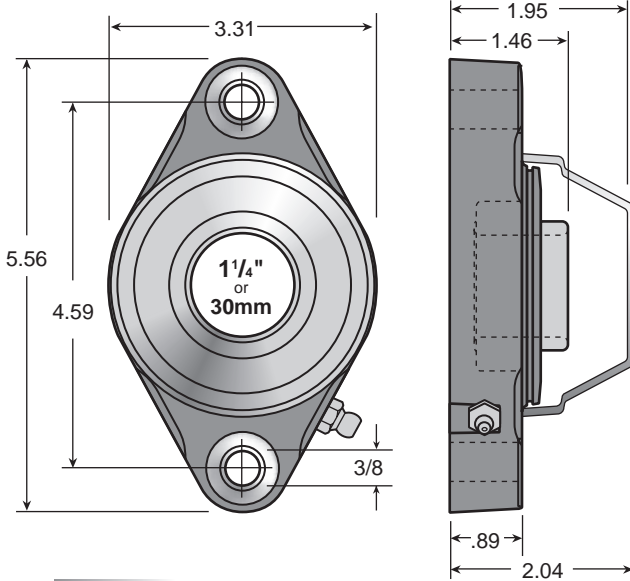


### 20, M30

1-1/4" or 30 mm Shaft,  
207 Series Insert

**2 Hole Flange Bearing**

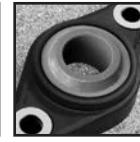
Available in multiple materials,  
configurations, and colors.



For 1-1/4" or 30  
mm dia. shafts



Ball bearing  
insert



Nolu-S UHMW\*  
bearing insert

**Housing Materials:**  
Polyamide, (PA) or  
Polypropylene, (PP) for  
extremely corrosive envi-  
ronments.

Part Number	Insert	Housing color/material	Max load (lbs.)
1-1/4 inch dia. shaft	LG-2FPA-20	• Black/PA	1710
	LG-2FPP-20	• Black/PP	855
	LG-2FPA-20-NS	• Black/PA	700
	LG-2FPP-20-NS	• Black/PP	700
	LG-2FPA-20-GR	• Gray/PA	1710
	LG-2FPP-20-GR	• Gray/PP	855
	LG-2FPA-20-NS-GR	• Gray/PA	700
	LG-2FPP-20-NS-GR	• Gray/PP	700

30 mm dia. shaft	LG-2FPA-M30	• Black/PA	1710
	LG-2FPP-M30	• Black/PP	855
	LG-2FPA-M30-NS	• Black/PA	700
	LG-2FPP-M30-NS	• Black/PP	700
	LG-2FPA-M30-GR	• Gray/PA	1710
	LG-2FPP-M30-GR	• Gray/PP	855
	LG-2FPA-M30-NS-GR	• Gray/PA	700
	LG-2FPP-M30-NS-GR	• Gray/PP	700

1-1/4 inch dia. shaft	LGS-2FPA-20	• Black/PA	1710
	LGS-2FPP-20	• Black/PP	855
	LGS-2FPA-20-NS	• Black/PA	700
	LGS-2FPP-20-NS	• Black/PP	700
	LGS-2FPA-20-GR	• Gray/PA	1710
	LGS-2FPP-20-GR	• Gray/PP	855
	LGS-2FPA-20-NS-GR	• Gray/PA	700
	LGS-2FPP-20-NS-GR	• Gray/PP	700

30 mm dia. shaft	LGS-2FPA-M30	• Black/PA	1710
	LGS-2FPP-M30	• Black/PP	855
	LGS-2FPA-M30-NS	• Black/PA	700
	LGS-2FPP-M30-NS	• Black/PP	700
	LGS-2FPA-M30-GR	• Gray/PA	1710
	LGS-2FPP-M30-GR	• Gray/PP	855
	LGS-2FPA-M30-NS-GR	• Gray/PA	700
	LGS-2FPP-M30-NS-GR	• Gray/PP	700

### Solid 20, M30

1-1/4" or 30 mm Shaft,  
207 Series Insert

**2 Hole Solid  
Flange Bearing**

Available in multiple materials,  
configurations, and colors.

*Bearing housing is solid  
material with no cavities.*



\*Note: For maintaining shaft location relative to bearing,  
see locking shaft collars on [page 128](#).

### Covers and seals sold separately



**C**  
Closed Cover  
with O-Ring

Materials: Polypropylene

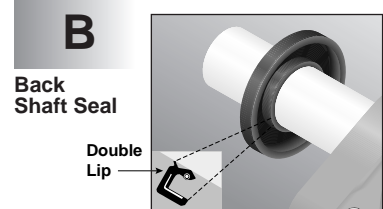
Part Number	Color	Ø Shaft
LG-C-19/20	Orange	1-1/4", 30 mm
LG-C-19/20-GR	Gray	1-1/4", 30 mm



**CS**  
Open Cover  
with Front  
Shaft Seal  
and O-Ring

Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-20	Orange	1-1/4"
LG-CS-20-GR	Gray	1-1/4"
LG-CS-M30	Orange	30 mm
LG-CS-M30-GR	Gray	30 mm



**B**  
Back  
Shaft Seal

Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-20	1-1/4"
LG-B-M30	30 mm

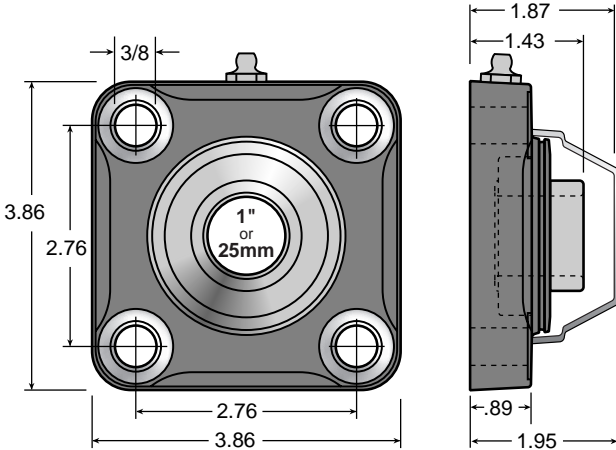


# 4 Hole Bearing Housings

## 16, M25

1" or 25 mm Shaft,  
205 Series Insert  
4 Hole Flange Bearing

Available in multiple materials,  
configurations, and colors.



**Housing Materials:**  
Polyamide, (PA) or  
Polypropylene, (PP)  
for extremely corrosive  
environments.

	Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1 inch dia. shaft	LG-4FPA-16	•		Black/PA	2864
	LG-4FPP-16	•		Black/PP	1432
	LG-4FPA-16-NS		•	Black/PA	500
	LG-4FPP-16-NS		•	Black/PP	500
	LG-4FPA-16-GR	•		Gray/PA	2864
	LG-4FPP-16-GR	•		Gray/PP	1432
	LG-4FPA-16-NS-GR	•	•	Gray/PA	500
	LG-4FPP-16-NS-GR		•	Gray/PP	500
25 mm dia. shaft	LG-4FPA-M25	•		Black/PA	2864
	LG-4FPP-M25	•		Black/PP	1432
	LG-4FPA-M25-NS		•	Black/PA	500
	LG-4FPP-M25-NS		•	Black/PP	500
	LG-4FPA-M25-GR	•		Gray/PA	2864
	LG-4FPP-M25-GR	•		Gray/PP	1432
	LG-4FPA-M25-NS-GR	•	•	Gray/PA	500
	LG-4FPP-M25-NS-GR		•	Gray/PP	500

## Solid 16, M25

1" or 25 mm Shaft,  
205 Series Insert  
4 Hole Solid  
Flange Bearing

Available in multiple materials,  
configurations, and colors.



*Bearing housing is solid material with no cavities.*

	Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1 inch dia. shaft	LGS-4FPA-16	•		Black/PA	2864
	LGS-4FPP-16	•		Black/PP	1432
	LGS-4FPA-16-NS		•	Black/PA	500
	LGS-4FPP-16-NS		•	Black/PP	500
	LGS-4FPA-16-GR	•		Gray/PA	2864
	LGS-4FPP-16-GR	•		Gray/PP	1432
	LGS-4FPA-16-NS-GR	•	•	Gray/PA	500
	LGS-4FPP-16-NS-GR		•	Gray/PP	500
25 mm dia. shaft	LGS-4FPA-M25	•		Black/PA	2864
	LGS-4FPP-M25	•		Black/PP	1432
	LGS-4FPA-M25-NS		•	Black/PA	500
	LGS-4FPP-M25-NS		•	Black/PP	500
	LGS-4FPA-M25-GR	•		Gray/PA	2864
	LGS-4FPP-M25-GR	•		Gray/PP	1432
	LGS-4FPA-M25-NS-GR	•	•	Gray/PA	500
	LGS-4FPP-M25-NS-GR		•	Gray/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

### Covers and seals sold separately.



**C**  
Closed Cover with O-Ring

**Materials:** Polypropylene

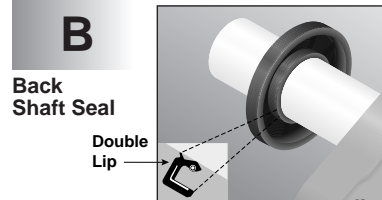
Part Number	Color	Ø Shaft
LG-C-16	Orange	1", 25 mm
LG-C-16-GR	Gray	1", 25 mm



**CS**  
Open Cover with Front Shaft Seal and O-Ring

**Materials:** Polypropylene

Part Number	Color	Ø Shaft
LG-CS-16	Orange	1"
LG-CS-16-GR	Gray	1"
LG-CS-M25	Orange	25 mm
LG-CS-M25-GR	Gray	25 mm



**B**  
Back Shaft Seal

**Materials:** Nitrile Rubber

Part Number	Ø Shaft
LG-B-16	1"
LG-B-M25	25 mm



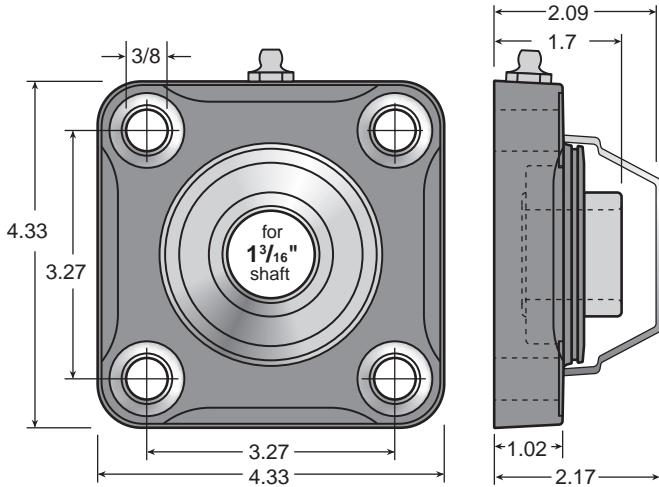


## 19



### 1-3/16" Shaft, 206 Series Insert 4 Hole Flange Bearing

Available in multiple materials, configurations, and colors.



**Materials:** Polyamide, PA or Polypropylene, PP (for extremely corrosive environments) bearing housings.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
<b>LG-4FPA-19</b>	•		<b>Black/PA</b>	<b>3640</b>
<b>LG-4FPP-19</b>	•		<b>Black/PP</b>	<b>1820</b>
<b>LG-4FPA-19-NS</b>		•	<b>Black/PA</b>	<b>700</b>
<b>LG-4FPP-19-NS</b>		•	<b>Black/PP</b>	<b>700</b>
<b>LG-4FPA-19-GR</b>	•		<b>Gray/PA</b>	<b>3640</b>
<b>LG-4FPP-19-GR</b>	•		<b>Gray/PP</b>	<b>1820</b>
<b>LG-4FPA-19-NS-GR</b>		•	<b>Gray/PA</b>	<b>700</b>
<b>LG-4FPP-19-NS-GR</b>		•	<b>Gray/PP</b>	<b>700</b>

## Solid 19

### 1-3/16" Shaft, 206 Series Insert 4 Hole Solid Flange Bearing

Available in multiple materials, configurations, and colors.



*Bearing housing is solid material with no cavities.*

Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
<b>LGS-4FPA-19</b>	•		<b>Black/PA</b>	<b>3640</b>
<b>LGS-4FPP-19</b>	•		<b>Black/PP</b>	<b>1820</b>
<b>LGS-4FPA-19-NS</b>		•	<b>Black/PA</b>	<b>700</b>
<b>LGS-4FPP-19-NS</b>		•	<b>Black/PP</b>	<b>700</b>
<b>LGS-4FPA-19-GR</b>	•		<b>Gray/PA</b>	<b>3640</b>
<b>LGS-4FPP-19-GR</b>	•		<b>Gray/PP</b>	<b>1820</b>
<b>LGS-4FPA-19-NS-GR</b>		•	<b>Gray/PA</b>	<b>700</b>
<b>LGS-4FPP-19-NS-GR</b>		•	<b>Gray/PP</b>	<b>700</b>

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

### Covers and seals sold separately.



**C**  
Closed Cover with O-Ring

**Materials:** Polypropylene

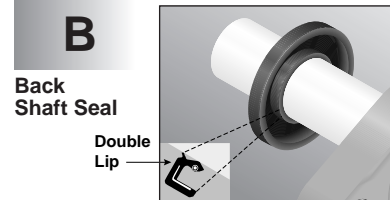
Part Number	Color	Ø Shaft
<b>LG-C-19/20</b>	<b>Orange</b>	<b>1-3/16"</b>
<b>LG-C-19/20-GR</b>	<b>Gray</b>	<b>1-3/16"</b>



**CS**  
Open Cover with Front Shaft Seal and O-Ring

**Materials:** Polypropylene

Part Number	Color	Ø Shaft
<b>LG-CS-19</b>	<b>Orange</b>	<b>1-3/16"</b>
<b>LG-CS-19-GR</b>	<b>Gray</b>	<b>1-3/16"</b>



**B**  
Back Shaft Seal

**Materials:** Nitrile Rubber

Part Number	Ø Shaft
<b>LG-B-19</b>	<b>1-3/16"</b>

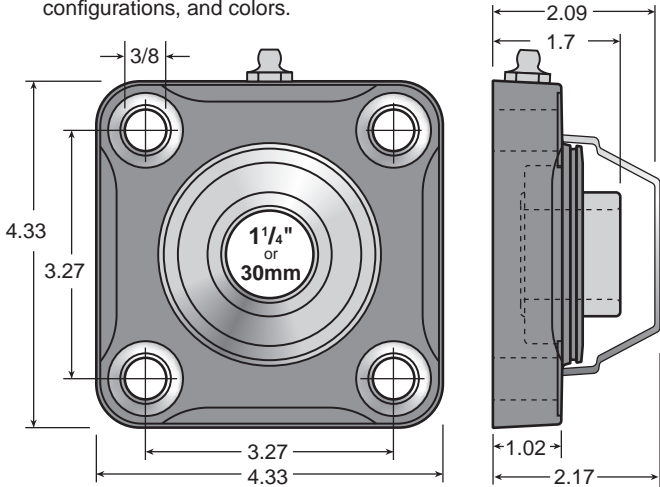


# 4 Hole Bearing Housings

## 20, M30

1-1/4" or 30 mm Shaft,  
207 Series Insert  
4 Hole Flange Bearing

Available in multiple materials,  
configurations, and colors.



**Housing Materials:**  
Polyamide, (PA) or  
Polypropylene, (PP)  
for extremely corrosive  
environments.

	Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1-1/4 inch dia. shaft	LG-4FPA-20	•		Black/PA	3640
	LG-4FPP-20	•		Black/PP	1820
	LG-4FPA-20-NS		•	Black/PA	700
	LG-4FPP-20-NS		•	Black/PP	700
	LG-4FPA-20-GR	•		Gray/PA	3640
	LG-4FPP-20-GR	•		Gray/PP	1820
	LG-4FPA-20-NS-GR		•	Gray/PA	700
	LG-4FPP-20-NS-GR		•	Gray/PP	700
30 mm dia. shaft	LG-4FPA-M30	•		Black/PA	3640
	LG-4FPP-M30	•		Black/PP	1820
	LG-4FPA-M30-NS		•	Black/PA	700
	LG-4FPP-M30-NS		•	Black/PP	700
	LG-4FPA-M30-GR	•		Gray/PA	3640
	LG-4FPP-M30-GR	•		Gray/PP	1820
	LG-4FPA-M30-NS-GR		•	Gray/PA	700
	LG-4FPP-M30-NS-GR		•	Gray/PP	700

## Solid 20, M30

1-1/4" or 30 mm Shaft,  
207 Series Insert  
4 Hole Solid  
Flange Bearing

Available in multiple materials,  
configurations, and colors.



*Bearing housing is solid  
material with no cavities.*

	Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
1-1/4 inch dia. shaft	LGS-4FPA-20	•		Black/PA	3640
	LGS-4FPP-20	•		Black/PP	1820
	LGS-4FPA-20-NS		•	Black/PA	700
	LGS-4FPP-20-NS		•	Black/PP	700
	LGS-4FPA-20-GR	•		Gray/PA	3640
	LGS-4FPP-20-GR	•		Gray/PP	1820
	LGS-4FPA-20-NS-GR		•	Gray/PA	700
	LGS-4FPP-20-NS-GR		•	Gray/PP	700
30 mm dia. shaft	LGS-4FPA-M30	•		Black/PA	3640
	LGS-4FPP-M30	•		Black/PP	1820
	LGS-4FPA-M30-NS		•	Black/PA	700
	LGS-4FPP-M30-NS		•	Black/PP	700
	LGS-4FPA-M30-GR	•		Gray/PA	3640
	LGS-4FPP-M30-GR	•		Gray/PP	1820
	LGS-4FPA-M30-NS-GR		•	Gray/PA	700
	LGS-4FPP-M30-NS-GR		•	Gray/PP	700

\*Note: For maintaining shaft location relative to bearing,  
see locking shaft collars on [page 128](#).

### Covers and seals sold separately.



**C**  
Closed Cover  
with O-Ring

Materials: Polypropylene

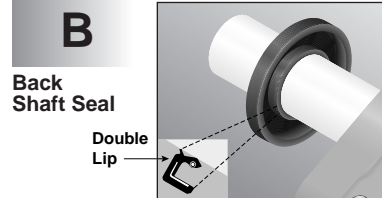
Part Number	Color	Ø Shaft
LG-C-19/20	Orange	1-1/4", 30 mm
LG-C-19/20-GR	Gray	1-1/4", 30 mm



**CS**  
Open Cover  
with Front  
Shaft Seal  
and O-Ring

Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-20	Orange	1-1/4"
LG-CS-20-GR	Gray	1-1/4"
LG-CS-M30	Orange	30 mm
LG-CS-M30-GR	Gray	30 mm



**B**  
Back  
Shaft Seal

Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-20	1-1/4"
LG-B-M30	30 mm

# 4 Hole Bearing Housings



## 24, M40

1-1/2" or 40 mm Shaft,  
208 Series Insert  
4 Hole Compact Flange Bearing

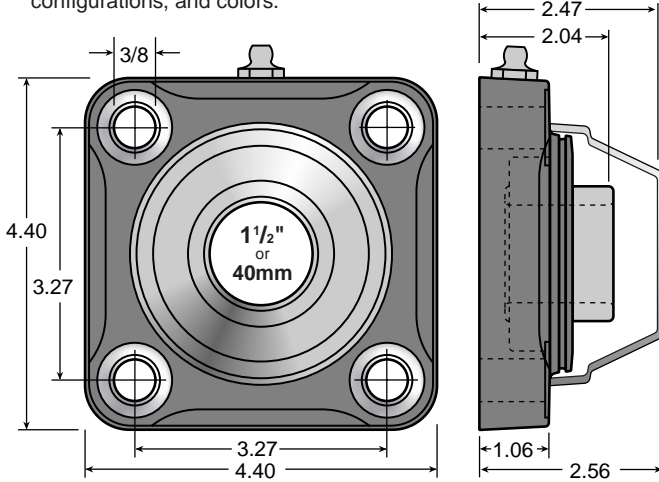
Available in multiple materials, configurations, and colors.



Bolt pattern matches Ø1-1/4" housing!



**Housing Materials:**  
Polyamide, (PA) or Polypropylene, (PP) for extremely corrosive environments.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
<b>1-1/2 inch dia. shaft</b> LG-4FPAC-24	•		Black/PA	3640
LG-4FPPC-24	•		Black/PP	1820
LG-4FPAC-24-NS		•	Black/PA	700
LG-4FPPC-24-NS		•	Black/PP	700
LG-4FPAC-24-GR	•		Gray/PA	3640
LG-4FPPC-24-GR	•		Gray/PP	1820
LG-4FPAC-24-NS-GR		•	Gray/PA	700
LG-4FPPC-24-NS-GR		•	Gray/PP	700
<b>40 mm dia. shaft</b> LG-4FPAC-M40	•		Black/PA	3640
LG-4FPPC-M40	•		Black/PP	1820
LG-4FPAC-M40-NS		•	Black/PA	700
LG-4FPPC-M40-NS		•	Black/PP	700
LG-4FPAC-M40-GR	•		Gray/PA	3640
LG-4FPPC-M40-GR	•		Gray/PP	1820
LG-4FPAC-M40-NS-GR		•	Gray/PA	700
LG-4FPPC-M40-NS-GR		•	Gray/PP	700

## Solid 24, M40

1-1/2" or 40 mm Shaft,  
208 Series Insert  
4 Hole Solid  
Compact Flange Bearing

Available in multiple materials, configurations, and colors.



Bearing housing is solid material with no cavities.

Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
<b>1-1/2 inch dia. shaft</b> LGS-4FPAC-24	•		Black/PA	3640
LGS-4FPPC-24	•		Black/PP	1820
LGS-4FPAC-24-NS		•	Black/PA	700
LGS-4FPPC-24-NS		•	Black/PP	700
LGS-4FPAC-24-GR	•		Gray/PA	3640
LGS-4FPPC-24-GR	•		Gray/PP	1820
LGS-4FPAC-24-NS-GR		•	Gray/PA	700
LGS-4FPPC-24-NS-GR		•	Gray/PP	700
<b>40 mm dia. shaft</b> LGS-4FPAC-M40	•		Black/PA	3640
LGS-4FPPC-M40	•		Black/PP	1820
LGS-4FPAC-M40-NS		•	Black/PA	700
LGS-4FPPC-M40-NS		•	Black/PP	700
LGS-4FPAC-M40-GR	•		Gray/PA	3640
LGS-4FPPC-M40-GR	•		Gray/PP	1820
LGS-4FPAC-M40-NS-GR		•	Gray/PA	700
LGS-4FPPC-M40-NS-GR		•	Gray/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

### Covers and seals sold separately.



**C**  
Closed Cover with O-Ring

Materials: Polypropylene

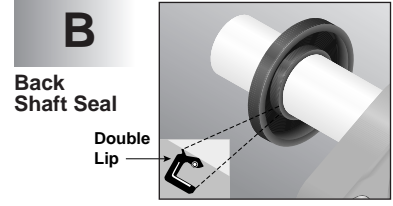
Part Number	Color	Ø Shaft
LG-C-24	Orange	1-1/2", 40 mm
LG-C-24-GR	Gray	1-1/2", 40 mm



**CS**  
Open Cover with Front Shaft Seal and O-Ring

Materials: Polypropylene

Part Number	Color	Ø Shaft
LG-CS-24	Orange	1-1/2"
LG-CS-24-GR	Gray	1-1/2"
LG-CS-M40	Orange	40 mm
LG-CS-M40-GR	Gray	40 mm



**B**  
Back Shaft Seal

Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-24	1-1/2"
LG-B-M40	40 mm



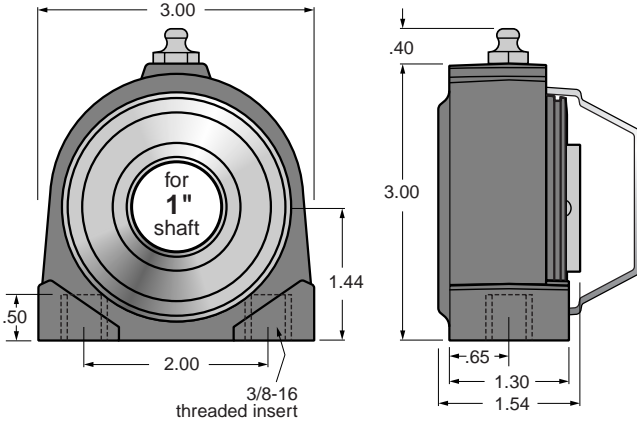
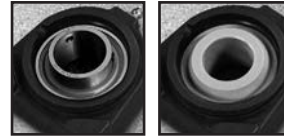
# Tapped Bearing Housings

**2T**

**Tapped Bearing Housing, 205 Series Insert**



**Materials:** Polyamide, PA or Polypropylene, PP (for extremely corrosive environments) bearing housings.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2TPA-16	•		Black/PA	1736
LGS-2TPP-16	•		Black/PP	868
LGS-2TPA-16-NS		•	Black/PA	500
LGS-2TPP-16-NS		•	Black/PP	500
LGS-2TPA-16-GR	•		Gray/PA	1736
LGS-2TPP-16-GR	•		Gray/PP	868
LGS-2TPA-16-NS-GR		•	Gray/PA	500
LGS-2TPP-16-NS-GR		•	Gray/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on [page 128](#).

**Covers and seals sold separately**



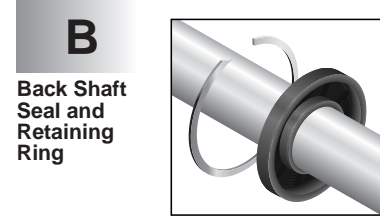
**Materials:** Polypropylene

Part Number	Color	Ø Shaft
LG-C-16	Orange	1"
LG-C-16-GR	Gray	1"



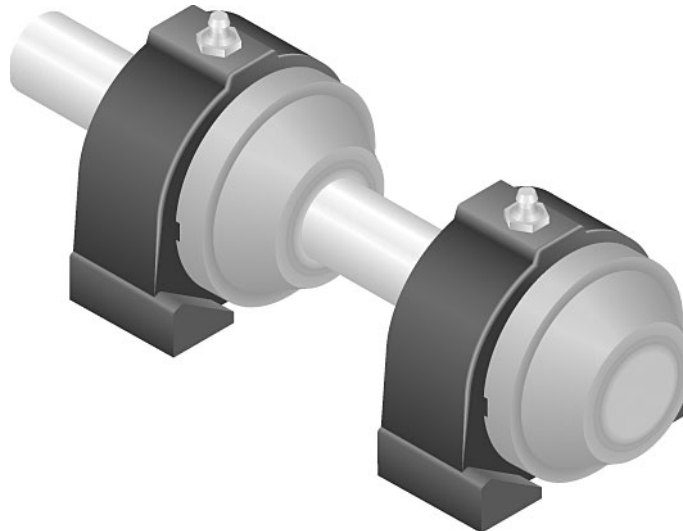
**Materials:** Polypropylene

Part Number	Color	Ø Shaft
LG-CS-16	Orange	1"
LG-CS-16-GR	Gray	1"



**Materials:** Nitrile Rubber & stainless steel

Part Number	Ø Shaft
LG-TB-16	1"





## Spherical and Self Aligning Bearings

Replaces ball bearing units when there is a lack of adequate lubrication or if the environment is dirty or corrosive. The standard units are machined from Nolu-S which is extremely abrasion resistant and can continue to function in wet environments. The recommended maximum static load for Nolu-S Self Aligning Bearings is 500 psi.

### Insert Materials

**Nolu-S** A proprietary alloy of food grade lubricants combined with UHMW. This creates a material which retains most of the properties of UHMW while significantly reducing friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.

**UHMW** Virgin UHMW used for extreme abrasion and corrosion resistance.

**Arguto-K** Maple hardwood which is impregnated with greases that can support the highest loads.

### Housing Materials

Part numbers containing **-SS** are constructed from stainless steel. Other housings are stamped from carbon steel sheet and then plated.

### Nolu-S Bearings Load and Speed Limitations

Many factors can influence the life of any engineered plastic bearing. These include abrasive particulate contamination which, because its volume can not be controlled, makes performance unpredictable but often better than lubricated bearings. Other more controllable factors include admissible wear, continuous or intermittent operation, high surface speeds and particularly elevated temperatures. Although sometimes limited by these factors, Nolu-S is a unique product and has performed for long periods under the above loads and speeds.



**Spherical Bearings**  
For use in metal flange or pillow block housing units. Available in Nolu-S, UHMW, and Arguto-K wood.



**Nolu-S self lubricating bearings** are used with polyamide housings and LifeGuard accessories.

## Nolu-S Bearing Load and Speed Limitations

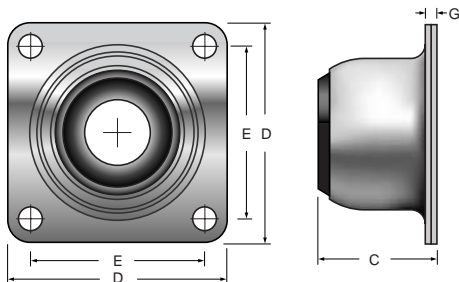
Maximum load (lbs) by unit for indicated speeds

Bearing	Max rpm	10 rpm	50 rpm	100 rpm	150 rpm	250 rpm	500 rpm
LifeGuard 3/4" shaft or 1-11/16" spherical OD	764	400	300	190	90	60	20
LifeGuard 1" shaft or 2" spherical OD	573	500	400	240	110	75	20
LifeGuard 1-1/4" shaft or 2-1/2" spherical OD	459	700	550	280	125	90	not recommended

## FD

### 4-Bolt Side Flange Bearing

Pressed metal flange mounts hold spherical O.D. bearings made of self-lubricating materials to create bearing units that can operate in abrasive or corrosive environments. They can also be submerged in fluids or used to meet the demands of sanitary environments. Available housing materials include plated carbon steel or 304 stainless steel.



UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	Ø Shaft	C	D	E	G	Special Notes
FDH-8	FDS-8	FDQ-8	1/2	1-7/16	2-7/16	1-15/16 0.25 dia. mount hole		1-11/16 Ball Standard Mounting
FDH-10	FDS-10	FDQ-10	5/8					
FDH-12	FDS-12	FDQ-12	3/4					
FDH-14	FDS-14	FDQ-14	7/8					
FDH-16	FDS-16	FDQ-16	1	1-9/16	3	2-5/16 0.38 dia. mount hole	1/8	2" Ball Standard Mounting
FEH-12	FES-12	FEQ-12	3/4					
FEH-13	FES-13	FEQ-13	13/16					
FEH-14	FES-14	FEQ-14	7/8					
FEH-15	FES-15	FEQ-15	15/16					
FEH-16	FES-16	FEQ-16	1					
FEH-17	FES-17	FEQ-17	1-1/16					
FEH-18	FES-18	FEQ-18	1-1/8					
FEH-19	FES-19	FEQ-19	1-3/16	1-13/16	3-5/8	2-3/4 0.38 dia. mount hole	3/16	2-1/2" Ball Heavy Mounting
FEH-20	FES-20	FEQ-20	1-1/4					
FFH-16	FFS-16	FFQ-16	1					
FFH-18	FFS-18	FFQ-18	1-1/8					
FFH-19	FFS-19	FFQ-19	1-3/16					
FFH-20	FFS-20	FFQ-20	1-1/4					
FFH-22	FFS-22	FFQ-22	1-3/8					
FFH-23	FFS-23	FFQ-23	1-7/16					
FFH-24	FFS-24	FFQ-24	1-1/2	1-13/16	3-5/8	2-3/4 0.38 dia. mount hole	3/16	2-1/2" Ball Heavy Mounting
FFH-16-SS	FFS-16-SS	FFQ-16-SS	1					
FFH-18-SS	FFS-18-SS	FFQ-18-SS	1-1/8					
FFH-19-SS	FFS-19-SS	FFQ-19-SS	1-3/16					
FFH-20-SS	FFS-20-SS	FFQ-20-SS	1-1/4					
FFH-22-SS	FFS-22-SS	FFQ-22-SS	1-3/8					
FFH-23-SS	FFS-23-SS	FFQ-23-SS	1-7/16					
FFH-24-SS	FFS-24-SS	FFQ-24-SS	1-1/2					

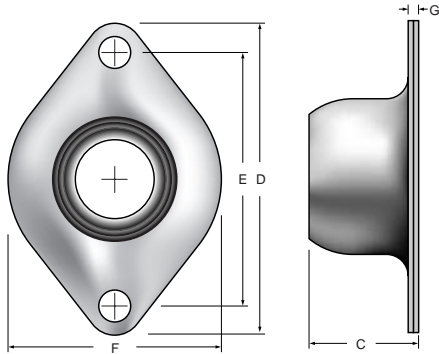
Polished  
Stainless Steel



## FA

### 2-Bolt Side Flange Bearing

Pressed metal flange mounts hold spherical O.D. bearings made of self-lubricating materials to create bearing units that can operate in abrasive or corrosive environments. They can also be submerged in fluids or used to meet the demands of sanitary environments. Available housing materials include plated carbon steel or 304 stainless steel.

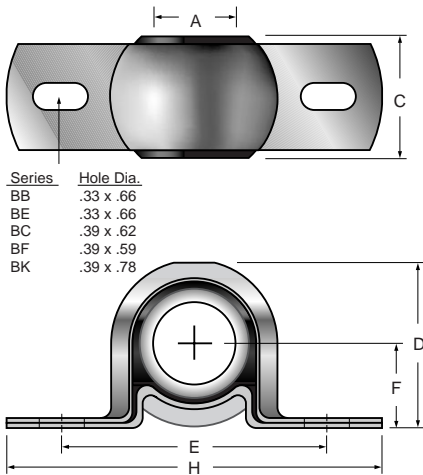


UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	Ø Shaft	C	D	E	F	G	Special Notes
<b>FAH-8</b>	<b>FAS-8</b>	<b>FAQ-8</b>	1/2	1-7/16	3-3/8	2-3/4 0.31 dia. mount hole	2-7/16	1/8	1-11/16 Ball Standard Mounting
<b>FAH-10</b>	<b>FAS-10</b>	<b>FAQ-10</b>	5/8						
<b>FAH-12</b>	<b>FAS-12</b>	<b>FAQ-12</b>	3/4						
<b>FAH-14</b>	<b>FAS-14</b>	<b>FAQ-14</b>	7/8						
<b>FAH-16</b>	<b>FAS-16</b>	<b>FAQ-16</b>	1	1-9/16	4	3-9/32 0.38 dia. mount hole	2-3/4	3/16	2" Ball Standard Mounting
<b>FBH-12</b>	<b>FBS-12</b>	<b>FBQ-12</b>	3/4						
<b>FBH-13</b>	<b>FBS-13</b>	<b>FBQ-13</b>	13/16						
<b>FBH-14</b>	<b>FBS-14</b>	<b>FBQ-14</b>	7/8						
<b>FBH-15</b>	<b>FBS-15</b>	<b>FBQ-15</b>	15/16						
<b>FBH-16</b>	<b>FBS-16</b>	<b>FBQ-16</b>	1						
<b>FBH-17</b>	<b>FBS-17</b>	<b>FBQ-17</b>	1-1/16						
<b>FBH-18</b>	<b>FBS-18</b>	<b>FBQ-18</b>	1-1/8						
<b>FBH-19</b>	<b>FBS-19</b>	<b>FBQ-19</b>	1-3/16						
<b>FBH-20</b>	<b>FBS-20</b>	<b>FBQ-20</b>	1-1/4	1-9/16	4	3-9/32 0.38 dia. mount hole	2-3/4	3/16	2" Ball Standard Mounting
<b>FBH-12-SS</b>	<b>FBS-12-SS</b>	<b>FBQ-12-SS</b>	3/4						
<b>FBH-13-SS</b>	<b>FBS-13-SS</b>	<b>FBQ-13-SS</b>	13/16						
<b>FBH-14-SS</b>	<b>FBS-14-SS</b>	<b>FBQ-14-SS</b>	7/8						
<b>FBH-15-SS</b>	<b>FBS-15-SS</b>	<b>FBQ-15-SS</b>	15/16						
<b>FBH-16-SS</b>	<b>FBS-16-SS</b>	<b>FBQ-16-SS</b>	1						
<b>FBH-17-SS</b>	<b>FBS-17-SS</b>	<b>FBQ-17-SS</b>	1-1/16						
<b>FBH-18-SS</b>	<b>FBS-18-SS</b>	<b>FBQ-18-SS</b>	1-1/8						
<b>FBH-19-SS</b>	<b>FBS-19-SS</b>	<b>FBQ-19-SS</b>	1-3/16						
<b>FBH-20-SS</b>	<b>FBS-20-SS</b>	<b>FBQ-20-SS</b>	1-1/4						

## BB

### Pillow Block

Pressed metal flange mounts hold spherical O.D. bearings made of self-lubricating materials to create bearing units that can operate in abrasive or corrosive environments. They can also be submerged in fluids or used to meet the demands of sanitary environments. Available housing materials include plated carbon steel or 304 stainless steel.



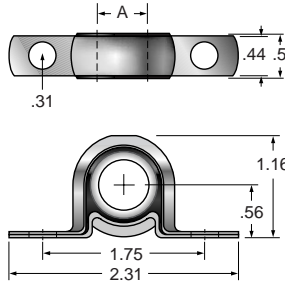
Series	Hole Dia.
BB	.33 x .66
BE	.33 x .66
BC	.39 x .62
BF	.39 x .59
BK	.39 x .78

UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	A	C	D	E	F	H	Special Notes
<b>BBH-8</b>	<b>BBS-8</b>	<b>BBQ-8</b>	1/2	1-1/4	1-3/4	2-7/8	29/32	3-15/16	1-11/16" Ball Standard
<b>BBH-10</b>	<b>BBS-10</b>	<b>BBQ-10</b>	5/8						
<b>BBH-12</b>	<b>BBS-12</b>	<b>BBQ-12</b>	3/4						
<b>BBH-14</b>	<b>BBS-14</b>	<b>BBQ-14</b>	7/8						
<b>BBH-16</b>	<b>BBS-16</b>	<b>BBQ-16</b>	1	1-1/2	2-1/16	3-1/4	1-1/16	4-9/16	2" Ball Standard
<b>BEH-8</b>	<b>BES-8</b>	<b>BEQ-8</b>	1/2						
<b>BEH-10</b>	<b>BES-10</b>	<b>BEQ-10</b>	5/8						
<b>BEH-12</b>	<b>BES-12</b>	<b>BEQ-12</b>	3/4						
<b>BEH-14</b>	<b>BES-14</b>	<b>BEQ-14</b>	7/8						
<b>BEH-16</b>	<b>BES-16</b>	<b>BEQ-16</b>	1						
<b>BCH-12-SS</b>	<b>BCS-12-SS</b>	<b>BCQ-12-SS</b>	3/4						
<b>BCH-13-SS</b>	<b>BCS-13-SS</b>	<b>BCQ-13-SS</b>	13/16						
<b>BCH-14-SS</b>	<b>BCS-14-SS</b>	<b>BCQ-14-SS</b>	7/8						
<b>BCH-15-SS</b>	<b>BCS-15-SS</b>	<b>BCQ-15-SS</b>	15/16						
<b>BCH-16-SS</b>	<b>BCS-16-SS</b>	<b>BCQ-16-SS</b>	1						
<b>BCH-17-SS</b>	<b>BCS-17-SS</b>	<b>BCQ-17-SS</b>	1-1/16						
<b>BCH-18-SS</b>	<b>BCS-18-SS</b>	<b>BCQ-18-SS</b>	1-1/8						
<b>BCH-19-SS</b>	<b>BCS-19-SS</b>	<b>BCQ-19-SS</b>	1-3/16						
<b>BCH-20-SS</b>	<b>BCS-20-SS</b>	<b>BCQ-20-SS</b>	1-1/4	1-1/2	2-1/8	3-5/16	1-3/32	4-5/8	2" Ball Heavy Mounting
<b>BFH-12</b>	<b>BFS-12</b>	<b>BFQ-12</b>	3/4						
<b>BFH-13</b>	<b>BFS-13</b>	<b>BFQ-13</b>	13/16						
<b>BFH-14</b>	<b>BFS-14</b>	<b>BFQ-14</b>	7/8						
<b>BFH-15</b>	<b>BFS-15</b>	<b>BFQ-15</b>	15/16						
<b>BFH-16</b>	<b>BFS-16</b>	<b>BFQ-16</b>	1						
<b>BFH-17</b>	<b>BFS-17</b>	<b>BFQ-17</b>	1-1/16						
<b>BFH-18</b>	<b>BFS-18</b>	<b>BFQ-18</b>	1-1/8						
<b>BFH-19</b>	<b>BFS-19</b>	<b>BFQ-19</b>	1-3/16						
<b>BFH-20</b>	<b>BFS-20</b>	<b>BFQ-20</b>	1-1/4	1-3/4	2-11/16	3-7/8	1-11/32	5-1/4	2-1/2" Ball Extra Heavy Mounting
<b>BKH-16-SS</b>	<b>BKS-16-SS</b>	<b>BKQ-16-SS</b>	1						
<b>BKH-18-SS</b>	<b>BKS-18-SS</b>	<b>BKQ-18-SS</b>	1-1/8						
<b>BKH-19-SS</b>	<b>BKS-19-SS</b>	<b>BKQ-19-SS</b>	1-3/16						
<b>BKH-20-SS</b>	<b>BKS-20-SS</b>	<b>BKQ-20-SS</b>	1-1/4						
<b>BKH-22-SS</b>	<b>BKS-22-SS</b>	<b>BKQ-22-SS</b>	1-3/8						
<b>BKH-23-SS</b>	<b>BKS-23-SS</b>	<b>BKQ-23-SS</b>	1-7/16						
<b>BKH-24-SS</b>	<b>BKS-24-SS</b>	<b>BKQ-24-SS</b>	1-1/2						

# Miniature Bearings

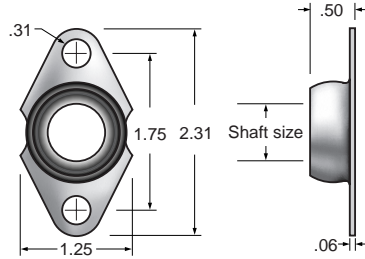


Pressed metal flange mounts hold spherical O.D. bearings made of self-lubricating materials to create bearing units that can operate in abrasive or corrosive environments. They can also be submerged in fluids or used to meet the demands of sanitary environments.



**BD**  
Miniature Pillow Block

UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	A
<b>BDH-4</b>	<b>BDS-4</b>	<b>BDQ-4</b>	<b>1/4</b>
<b>BDH-5</b>	<b>BDS-5</b>	<b>BDQ-5</b>	<b>5/16</b>
<b>BDH-6</b>	<b>BDS-6</b>	<b>BDQ-6</b>	<b>3/8</b>
<b>BDH-7</b>	<b>BDS-7</b>	<b>BDQ-7</b>	<b>7/16</b>
<b>BDH-8</b>	<b>BDS-8</b>	<b>BDQ-8</b>	<b>1/2</b>
<b>BDH-9</b>	<b>BDS-9</b>	<b>BDQ-9</b>	<b>9/16</b>

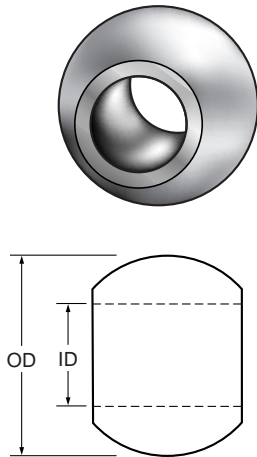


**FM**  
Miniature Side Flange Bearing

UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	Ø Shaft
<b>FMH-4</b>	<b>FMS-4</b>	<b>FMQ-4</b>	<b>1/4</b>
<b>FMH-5</b>	<b>FMS-5</b>	<b>FMQ-5</b>	<b>5/16</b>
<b>FMH-6</b>	<b>FMS-6</b>	<b>FMQ-6</b>	<b>3/8</b>
<b>FMH-7</b>	<b>FMS-7</b>	<b>FMQ-7</b>	<b>7/16</b>
<b>FMH-8</b>	<b>FMS-8</b>	<b>FMQ-8</b>	<b>1/2</b>
<b>FMH-9</b>	<b>FMS-9</b>	<b>FMQ-9</b>	<b>9/16</b>
<b>FMH-10</b>	<b>FMS-10</b>	<b>FMQ-10</b>	<b>5/8</b>

## Replacement Spherical Bearings

**HD**  
Replacement Spherical Bearing



Spherical O.D.	I.D.	Part Numbers			
		UHMW Part Number	Nolu-S Part Number	Arguto-K Part Number	
1"	.5	1/4	HDX-1604	SDX-1604	DX-1604
		5/16	HDX-1605	SDX-1605	DX-1605
		3/8	HDX-1606	SDX-1606	DX-1606
		7/16	HDX-1607	SDX-1607	DX-1607
		1/2	HDX-1608	SDX-1608	DX-1608
		9/16	HDX-1609	SDX-1609	DX-1609
1-11/16"	1-1/4	5/8	HDX-1610	SDX-1610	DX-1610
		1/2	HDX-2708	SDX-2708	DX-2708
		5/8	HDX-2710	SDX-2710	DX-2710
		3/4	HDX-2712	SDX-2712	DX-2712
		7/8	HDX-2714	SDX-2714	DX-2714
		1	HDX-2716	SDX-2716	DX-2716
2"	1-1/2	3/4	HDX-3212	SDX-3212	DX-3212
		13/16	HDX-3213	SDX-3213	DX-3213
		7/8	HDX-3214	SDX-3214	DX-3214
		15/16	HDX-3215	SDX-3215	DX-3215
		1	HDX-3216	SDX-3216	DX-3216
		1-1/16	HDX-3217	SDX-3217	DX-3217
		1-1/8	HDX-3218	SDX-3218	DX-3218
		1-3/16	HDX-3219	SDX-3219	DX-3219
		1-1/4	HDX-3220	SDX-3220	DX-3220
		1	HDX-4016	SDX-4016	DX-4016
2-1/2"	1-3/4	1-1/8	HDX-4018	SDX-4018	DX-4018
		1-3/16	HDX-4019	SDX-4019	DX-4019
		1-1/4	HDX-4020	SDX-4020	DX-4020
		1-3/8	HDX-4022	SDX-4022	DX-4022
		1-7/16	HDX-4023	SDX-4023	DX-4023
		1-1/2	HDX-4024	SDX-4024	DX-4024

## Nolu-S Bearing Load and Speed Limitations

Maximum load (lbs) by unit for indicated speeds

Bearing	Max rpm	10 rpm	50 rpm	100 rpm	150 rpm	250 rpm	500 rpm
LifeGard 3/4" shaft or 1-11/16" spherical OD	764	400	300	190	90	60	20
LifeGard 1" shaft or 2" spherical OD	573	500	400	240	110	75	20
LifeGard 1-1/4" shaft or 2-1/2" spherical OD	459	700	550	280	125	90	not recommended



## 4 Hole White Bearing Housings

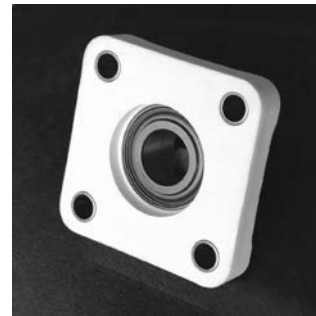
### 16-W, M25-W

1" or 25mm Shaft,  
205 Series Insert  
4 Hole White Flange Bearing

For 1" or 25mm  
dia. shafts

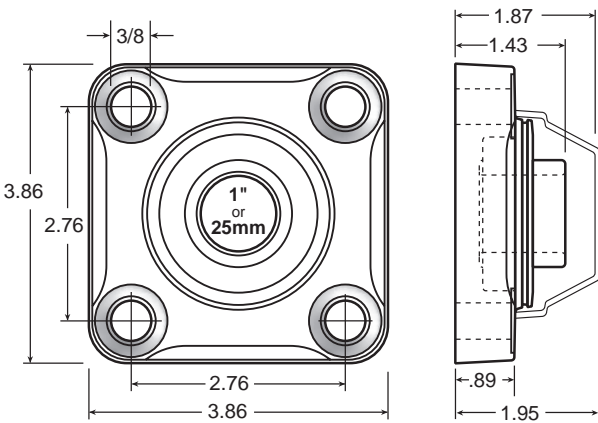
**NEW**

- Ultra clean appearance
- Bearing protection advantages of LifeGuard
- Matching open or closed covers



*Bearing housing  
is solid material  
with no cavities.*

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-4FPP-16-W	•		White/PP	1432
LGS-4FPP-16-NS-W		•	White/PP	500
LGS-4FPP-M25-W	•		White/PP	1432
LGS-4FPP-M25-NS-W		•	White/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

Covers and seals sold separately.

C		CS		B	
White Closed Cover with O-Ring		White Open Cover with Front Shaft Seal and O-Ring		Back Shaft Seal	
Materials: Polypropylene		Materials: Polypropylene		Materials: Nitrile Rubber	
Part Number	Ø Shaft	Part Number	Ø Shaft	Part Number	Ø Shaft
LG-C-16-W	1", 25mm	LG-CS-16-W	1", 25mm	LG-B-16	1", 25mm
LG-C-19/20-W	1-3/16", 1-1/4", 30mm	LG-CS-19-W	1-3/16"	LG-B-19	1-3/16"
LG-C-24-W	1-1/2", 40mm	LG-CS-20-W	1-1/4", 30mm	LG-B-20	1-1/4", 30mm
		LG-CS-24-W	1-1/2", 40mm	LG-B-24	1-1/2", 40mm

## 4 Hole White Bearing Housings

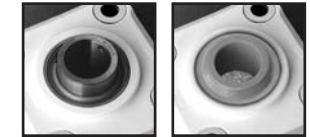


### 19-W

1-3/16" Shaft, 206 Series Insert  
4 Hole White Flange Bearing

For 1-3/16"  
dia. shafts

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-4FPP-19-W	•		White/PP	1820
LGS-4FPP-19-NS-W		•	White/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

### 20-W, M30-W

1-1/4" or 30mm Shaft, 207 Series Insert  
4 Hole White Flange Bearing

For 1-1/4" or 30  
mm dia. shafts

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-4FPP-20-W	•		White/PP	1820
LGS-4FPP-20-NS-W		•	White/PP	700
LGS-4FPP-M30-W	•		White/PP	1820
LGS-4FPP-M30-NS-W		•	White/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

### 24-W, M40-W

1-1/2" or 40mm Shaft, 208 Series Insert  
4 Hole White Compact Flange Bearing

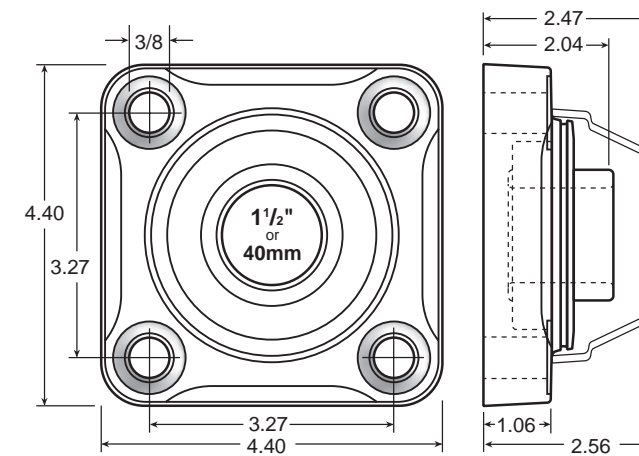
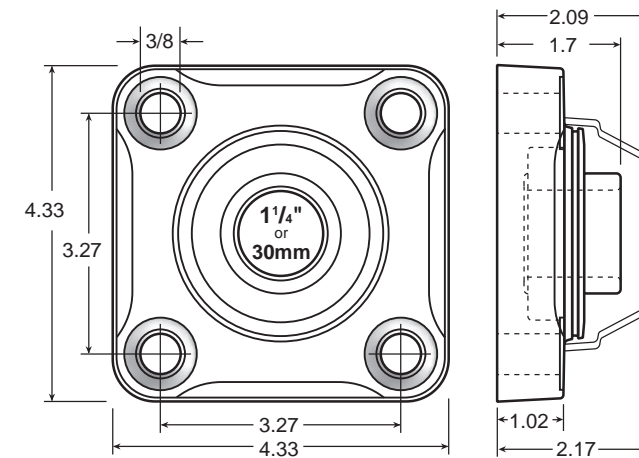
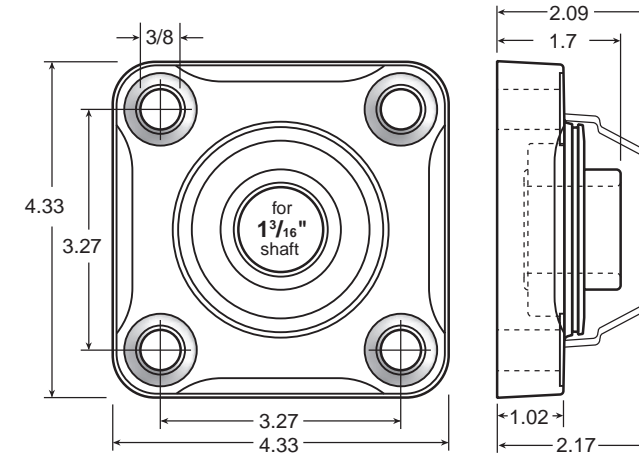
For 1-1/2" or 40  
mm dia. shafts

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-4FPPC-24-W	•		White/PP	1820
LGS-4FPPC-24-NS-W		•	White/PP	700
LGS-4FPPC-M40-W	•		White/PP	1820
LGS-4FPPC-M40-NS-W		•	White/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.







## 2 Hole White Bearing Housings



### 2 Hole White Bearing Housings

Bearing housing is solid material with no cavities.

**NEW**

#### 12-W, M20-W

3/4" or 20mm Shaft, 204 Series Insert  
2 Hole White Flange Bearing

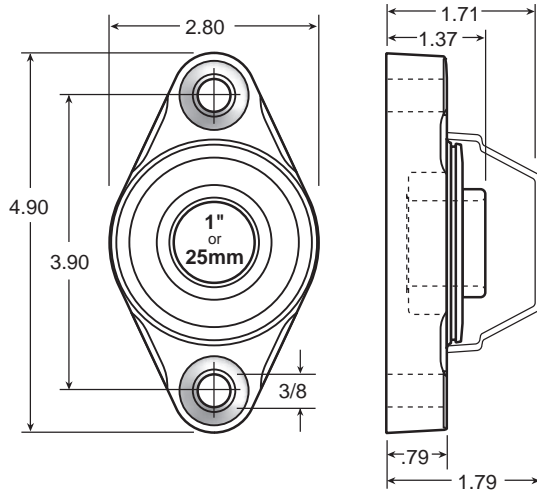
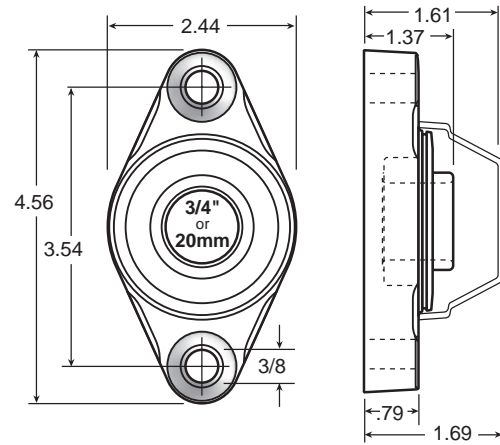
Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2FPP-12-W	•		White/PP	580
LGS-2FPP-12-NS-W		•	White/PP	400
LGS-2FPP-M20-W	•		White/PP	580
LGS-2FPP-M20-NS-W		•	White/PP	400

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

For 3/4" or 20 mm dia. shafts



#### 16-W, M25-W

1" or 25mm Shaft, 205 Series Insert  
2 Hole White Flange Bearing

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2FPP-16-W	•		White/PP	660
LGS-2FPP-16-NS-W		•	White/PP	500
LGS-2FPP-M25-W	•		White/PP	660
LGS-2FPP-M25-NS-W		•	White/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

For 1" or 25 mm dia. shafts

#### Covers and seals sold separately.

**C**

White Closed Cover with O-Ring

Materials: Polypropylene

Part Number	Ø Shaft
LG-C-12-W	3/4", 20mm
LG-C-16-W	1", 25mm
LG-C-19/20-W	1-3/16", 1-1/4", 30mm

**CS**

White Open Cover with Front Shaft Seal and O-Ring

Materials: Polypropylene

Part Number	Ø Shaft
LG-CS-12-W	3/4", 20mm
LG-CS-16-W	1", 25mm
LG-CS-19-W	1-3/16"
LG-CS-20-W	1-1/4", 30mm

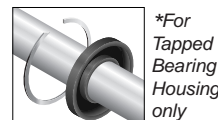
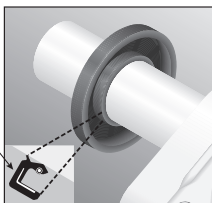
**B**

Back Shaft Seal

Materials: Nitrile Rubber

Part Number	Ø Shaft
LG-B-12	3/4", 20mm
LG-B-16	1", 25mm
LG-TB-16*	1"
LG-B-19	1-3/16"
LG-B-20	1-1/4", 30mm

Double Lip



\*For Tapped Bearing Housing only

## 2 Hole and Tapped White Bearing Housings



#### 19-W

1-3/16" Shaft, 206 Series Insert  
2 Hole White Flange Bearing

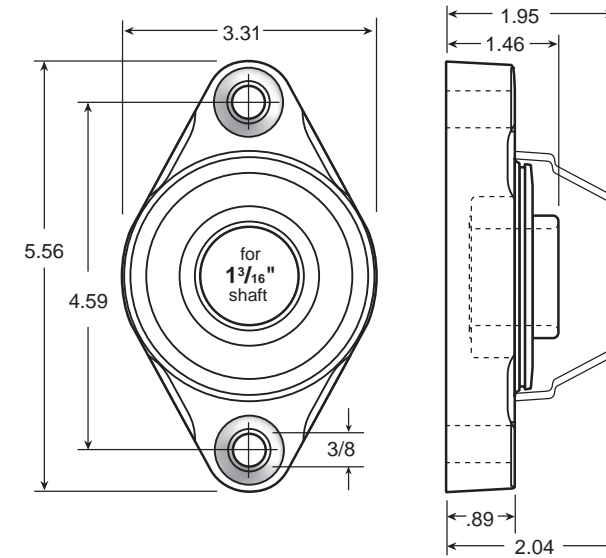
Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2FPP-19-W	•		White/PP	855
LGS-2FPP-19-NS-W		•	White/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

For 1-3/16" dia. shafts



#### 20-W, M30-W

1-1/4" or 30mm Shaft, 207 Series Insert  
2 Hole White Flange Bearing

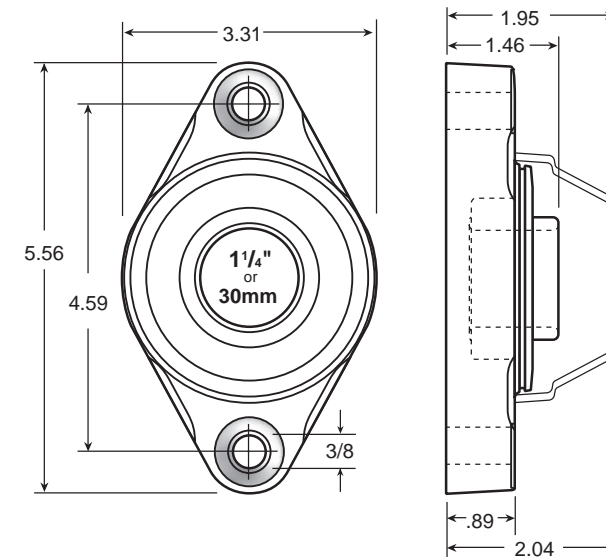
Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2FPP-20-W	•		White/PP	855
LGS-2FPP-20-NS-W		•	White/PP	700
LGS-2FPP-M30-W	•		White/PP	855
LGS-2FPP-M30-NS-W		•	White/PP	700

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

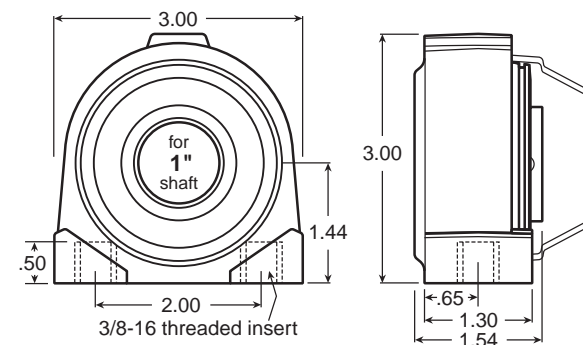
For 1-1/4" or 30 mm dia. shafts



#### 2T-W

1" Shaft  
White Tapped Bearing Housing

Materials: Polypropylene (PP)-bearing housings. Stainless hardware.



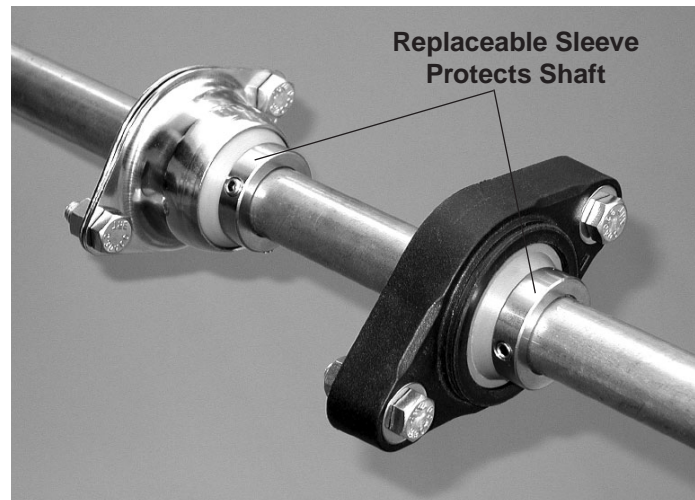
Part Number	Ball bearing insert	Nolu-S UHMW* bearing insert	Housing color/material	Max load (lbs.)
LGS-2TPP-16-W	•		White/PP	868
LGS-2TPP-16-NS-W		•	White/PP	500

\*Note: For maintaining shaft location relative to bearing, see locking shaft collars on page 128.

For 1" dia. shafts

## Shaft Protector Bearings

- Maintenance free
- For wet, corrosive, dirty, or low-lubrication areas.
- Stainless steel sleeve protects shaft from wear.
- Ultra-low friction Nolu-S bearing insert.
- Self-aligning design makes installation easy.
- Replaceable sleeve and Nolu-S inserts.



**NEW**

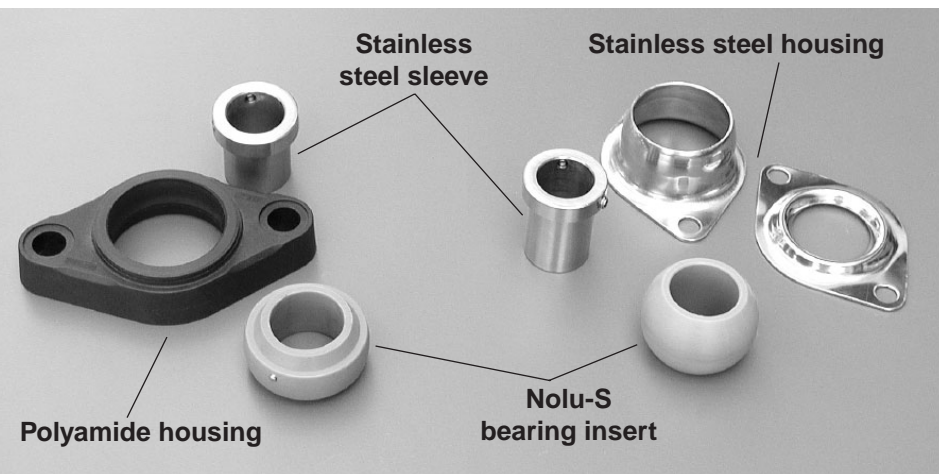


### Advantages over standard bearing inserts.

Bearing inserts are frequently used in place of ball bearings when the working environment is excessively wet, dirty, or easily stripped of lubricants. However, since a bearing insert is designed for the shaft to rotate directly on the bearing surface, the possibility exists for wear damage and eventual shaft replacement. Solus shaft protecting bearings provide an easily replaced stainless steel sleeve that becomes the shaft's wear surface, eliminating the need to replace a complete shaft due to a small damaged area.

### What is Nolu-S?

Nolu-S is a proprietary alloy of food grade lubricants combined with UHMW. This creates a material which significantly reduces friction. Nolu-S advantages include protection of expensive mating surfaces, lower noise levels required by OSHA and acceptance for food contact as specified by the FDA and USDA.



## Nolu-S Bearing Load and Speed Limitations

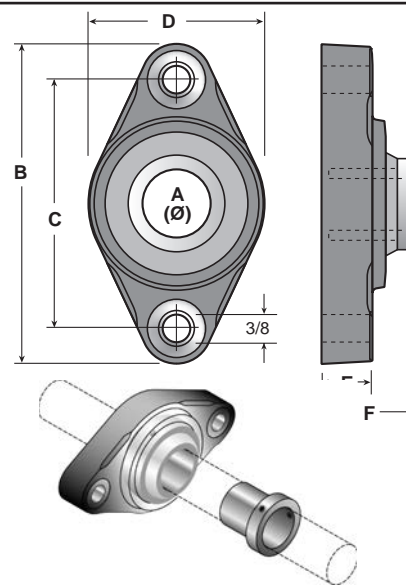
Maximum load (lbs) by unit for indicated speeds

Bearing	Max rpm	10 rpm	50 rpm	100 rpm	150 rpm	250 rpm	500 rpm
LifeGuard 3/4" shaft or 1-11/16" spherical OD	764	400	300	190	90	60	20
LifeGuard 1" shaft or 2" spherical OD	573	500	400	240	110	75	20
LifeGuard 1-1/4" shaft or 2-1/2" spherical OD	459	700	550	280	125	90	not recommended

## 2SP

**Materials:** Solid Polyamide bearing housings with Nolu-S bearing and stainless steel sleeve.

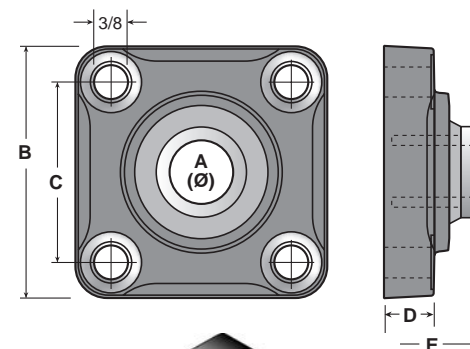
Part Number	Housing color	Shaft Dia.					
		A	B	C	D	E	F
LGS-2SP-12-NS	Black	3/4	4.56	3.54	2.44	.79	1.47
LGS-2SP-12-NS-GR	Gray	3/4	4.56	3.54	2.44	.79	1.47
LGS-2SP-16-NS	Black	1	4.90	3.90	2.80	.79	1.56
LGS-2SP-16-NS-GR	Gray	1	4.90	3.90	2.80	.79	1.56
LGS-2SP-20-NS	Black	1-1/4	5.56	4.59	3.31	.89	1.67
LGS-2SP-20-NS-GR	Gray	1-1/4	5.56	4.59	3.31	.89	1.67



## 4SP

**Materials:** Solid Polyamide bearing housings with Nolu-S bearing and stainless steel sleeve.

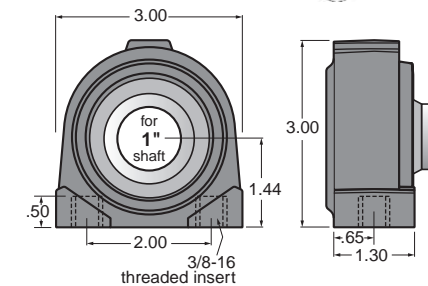
Part Number	Housing color	Shaft Dia.				
		A	B	C	D	E
LGS-4SP-16-NS	Black	1	3.86	2.76	.89	1.56
LGS-4SP-16-NS-GR	Gray	1	3.86	2.76	.89	1.56
LGS-4SP-20-NS	Black	1-1/4	4.33	3.27	1.02	1.67
LGS-4SP-20-NS-GR	Gray	1-1/4	4.33	3.27	1.02	1.67



## 2TSP

**Materials:** Solid Polyamide bearing housings with Nolu-S bearing and stainless steel sleeve.

Part Number	Housing color	Shaft Dia.
		A
LGS-2TSP-16-NS	Black	1
LGS-2TSP-16-NS-GR	Gray	1



**C**  
Closed Cover with O-Ring

**Materials:** Polypropylene

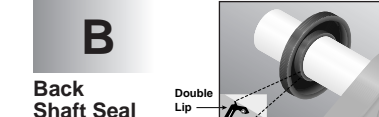
Part Number	Color	Ø Shaft
LG-C-12	Orange	3/4"
LG-C-12-GR	Gray	3/4"
LG-C-16	Orange	1"
LG-C-16-GR	Gray	1"
LG-C-20	Orange	1-1/4"
LG-C-20-GR	Gray	1-1/4"



**CS**  
Open Cover with Front Shaft Seal and O-Ring

**Materials:** Polypropylene

Part Number	Color	Ø Shaft
LG-CS-12	Orange	3/4"
LG-CS-12-GR	Gray	3/4"
LG-CS-16	Orange	1"
LG-CS-16-GR	Gray	1"
LG-CS-20	Orange	1-1/4"
LG-CS-20-GR	Gray	1-1/4"



**B**  
Back Shaft Seal

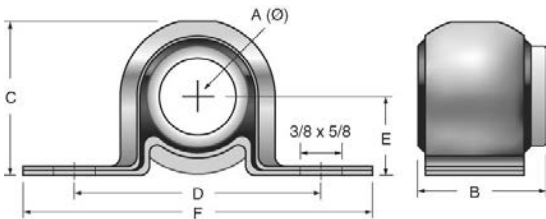
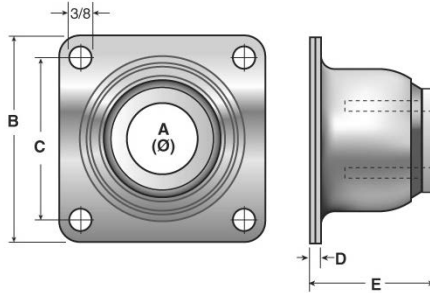
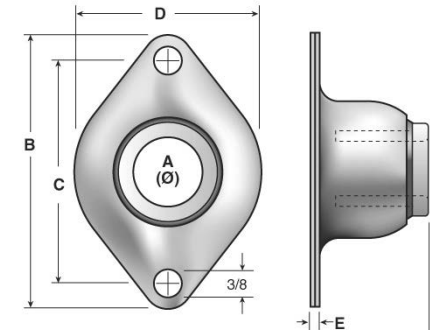
**Materials:** Nitrile Rubber

Part Number	Ø Shaft
LG-B-12	3/4"
LG-B-16	1"
LG-B-20	1-1/4"

Covers and seals sold separately.



# Shaft Protector Bearings



## FBS

**Materials:** Stainless steel bearing housings with Nolu-S bearing and stainless steel sleeve.

Part Number	Shaft Dia.					
	A	B	C	D	E	F
FBS-SP-12	3/4	4.0	3.28	2.75	.19	1.89
FBS-SP-16	1	4.0	3.28	2.75	.19	1.89

## FFS

**Materials:** Stainless steel bearing housings with Nolu-S bearing and stainless steel sleeve.

Part Number	Shaft Dia.				
	A	B	C	D	E
FFS-SP-16	1	3.63	2.75	.19	2.14
FFS-SP-20	1-1/4	3.63	2.75	.19	2.14
FFS-SP-24	1-1/2	3.63	2.75	.19	2.14

## BCS

**Materials:** Stainless steel bearing housings with Nolu-S bearing and stainless steel sleeve.

Part Number	Shaft Dia.					
	A	B	C	D	E	F
BCS-SP-12	3/4	1.88	2.06	3.25	1.06	4.56
BCS-SP-16	1	1.88	2.06	3.25	1.06	4.56

## BKS

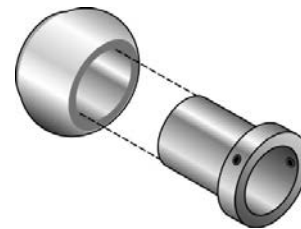
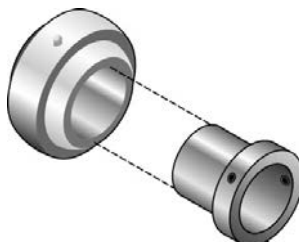
**Materials:** Stainless steel bearing housings with Nolu-S bearing and stainless steel sleeve.

Part Number	Shaft Dia.					
	A	B	C	D	E	F
BKS-SP-16	1	2.13	2.69	3.88	1.34	5.25
BKS-SP-20	1-1/4	2.13	2.69	3.88	1.34	5.25
BKS-SP-24	1-1/2	2.13	2.69	3.88	1.34	5.25

**Materials:** Nolu-S spherical bearing, stainless steel shaft protector sleeve.

### For Polyamide Housings

Part Number	Description
LG-SP-34	Nolu-S Insert and 3/4" Shaft Protector Sleeve
LG-SP-100	Nolu-S Insert and 1" Shaft Protector Sleeve
LG-SP-125	Nolu-S Insert and 1-1/4" Shaft Protector Sleeve



### For FBS or BCS Stainless Housings

Part Number	Description
FSP-34-B	Nolu-S Insert and 3/4" Shaft Protector Sleeve
FSP-100-B	Nolu-S Insert and 1" Shaft Protector Sleeve

### For FFS or BKS Stainless Housings

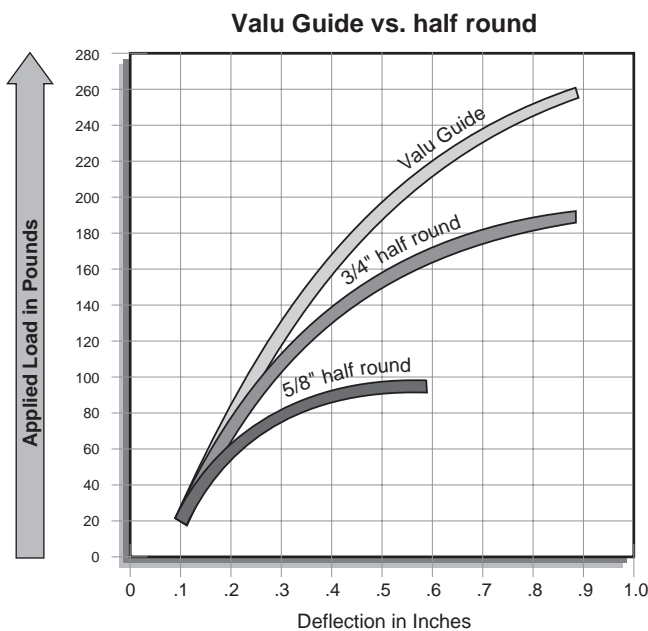
FSP-100-F	Nolu-S Insert and 1" Shaft Protector Sleeve
FSP-125-F	Nolu-S Insert and 1-1/4" Shaft Protector Sleeve
FSP-150-F	Nolu-S Insert and 1-1/2" Shaft Protector Sleeve

# Physical Properties for Guide Rail and Materials

Units	MECHANICAL										THERMAL						
	Specific Gravity	Tensile Strength	Tensile Modulus of Elasticity, 73°F	Elongation (at break), 73°F	Flexural Modulus of Elasticity, 73°F	Shear Strength	Compressive Strength	Coefficient of Friction (Dry vs Steel) Dynamic	Hardness, Rockwell, 73°F	Tensile Impact, 73°F	Coefficient of Linear Thermal Expansion	Melting Point	MIN. Continuous Service Temp In Air	MAX. Continuous Service Temp In Air	Water Absorption Immersion 24 Hours	Water Absorption Saturation	Effect of sunlight
Test Method ASTM	D792	D638	D638	D638	D790	D732	D695	-	D785	D1822	D696	D789	-	-	D570	D570	-
UHMW-PE	0.93	4,000-5,500	80,000-100,000	350	75,000	3,500	-	.09-.12	R64	1,000	$7.2 \times 10^{-5}$	280-289	-418	160/180	Nil	-	(1)
Nylon 6/6 (Polyamide)	1.14-1.18	10,000-14,000	250,000-400,000	20-200	175,000-410,000	9,600	5,000	.17-.43	R110-120	90-180	$5.5 \times 10^{-5}$	482-500	-85--110	180/200	0.5-1.4	6-8	(1)
Acetal	1.41	8,800-11,000	400,000-450,000	30	375,000-450,000	8,000-9,000	15,000-16,000	.25	R120-122	90	$4.7-5.4 \times 10^{-5}$	335-347	-68	180	0.22-0.25	0.90	Limited
Teflon blend (hi-temp material)	2.1-2.2	1,500-3,000	50,000-90,000	100-200	90,000-110,000	-	-	.04	R10-20	30-200	$5.5 \times 10^{-5}$	612-630	-100	525	0.1	-	(1)
Polypropylene	0.9	4,300-5,000	160,000-250,000	100-600	200,000	-	6,500	-	R94	-	$5.8-10.2 \times 10^{-5}$	327	23	225/300	0.1	<0.1	(1)
Nolu-S	.94	2,660	112,000	360	-	-	600	.02-.12	-	-	$8.3 \times 10^{-5}$	-	-	160	0.1	-	acceptable
Nylatron	1.16	12,500	480,000	25	460,000	10,500	16,000	.2	M85 R115	-	-	500	-	220	.03	7	Limited

(1) Requires addition of UV stabilizer (Contact Valu Guide for further information)

Note: These are typical values intended for reference and comparison purposes only.



**Valu Guide vs. half round**

APPLIED LOAD

20"

**Moment of inertia:**  
 $I_{xx} = 0.0062 \text{ in}^4$   
 $I_{yy} = 0.0027 \text{ in}^4$

**Material:**  
 Sheath = 304 stainless steel  
 Insert = UHMW

Valu Guide was proven stronger in test performed by an independent testing lab in Anaheim, CA.  
 Ref. "National Testing Standards" Report No. 12718

# Chemical Resistance

The following chemicals and fluids are known to attack or be compatible with the materials shown below as supplied by Solus Industrial Innovations. The degree of compatibility is shown by a code letter which indicates the effect of the chemical at room temperature. We must emphasize that this chart should be used only as a general guide. If more information or clarification is required, please contact Solus Industrial Innovations.

- A** = No attack, possibly slight absorption. Negligible effect on mechanical properties.
- B** = Slight attack by absorption. Some swelling and a small reduction of mechanical properties likely.
- C** = Moderate attack or appreciable absorption. Material will have a limited life.
- D** = Material will decompose or dissolve in a short time.
- = No data available.

Where aqueous solutions are shown the concentration as a weight percentage is given.

- Aq.** = Aqueous Solution
- Sat.** = Saturated Aqueous Solution
- Conc.** = Concentrated Aqueous Solution

***This information, based on experience, is in line with accepted engineering practice and is believed to be reliable. However, we do not warrant the conformity of our materials to the listed properties or the suitability of our materials for a particular purpose.***

Chemical	Concentration %					
	Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Acetaldehyde Aq.	40	B	A	A	A	C
Acetamide Aq.	50	A	-	-	A	A
Acetic Acid Aq.	10	C	C	A	A	D
Acetone		A	B	A	A	D
Acrylonitrile		A	-	-	A	D
Alcohols, Aliphatic		A	A	A	A	-
Allyl Chloride		C	-	A	A	-
Allyl Alcohol		A	-	A	A	-
Aluminum Chloride	10	-	-	A	A	A
Aluminum Sulfate	10	-	-	A	A	A
Ammonia Aq.	10	A	D	A	A	A
Ammonia Gas		B	-	A	A	A
Ammonium Carbonate Aq.	10	A	-	A	A	A
Ammonium Chloride Aq.	10	A	-	A	A	A
	37	A	-	A	A	-
Amyl Acetate		A	-	A	A	D
Amyl Alcohol		A	-	A	A	B
Aniline		C	A	A	A	D
Antimony Trichloride Aq.	10	C	-	A	A	-
Barium Chloride Aq.	10	A	-	A	A	A
Barium Sulfate Aq.	10	A	-	A	A	-
Barium Sulfide Aq.	10	A	-	A	A	A
Benzaldehyde		B	-	A	A	D
Benzene		A	A	B	A	C
Benzene Sulfonic Acid		D	-	A	A	C
Benzyl Alcohol		C	-	A	A	C
Benzoic Acid Aq.	Sat.	C	-	A	A	D
Beverages Aq., Alcoholic		B	-	A	A	-
Beverages, Carbonated		B	-	A	A	-
Bitumen		B	-	A	A	-
Bleaching Lye	10	B	-	A	A	-
	100	B	C	A	A	-

Chemical	Concentration %					
	Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Boric Acid Aq.	10	A	-	A	A	A
Bromine Aq.	30	D	-	-	-	D
Bromine Liquid		D	-	-	-	D
Butanol		B	-	A	A	A
Butyl Acetate		B	-	A	A	D
Butyl Phthalate		A	-	A	A	-
Butylene Glycol		A	-	A	A	-
Butylamine		-	C	-	A	-
Butyric Acid Aq.	20	B	-	A	A	D
Butyric Acid	Conc	B	-	A	A	D
Butyrolactone		A	-	-	A	-
Calcium Chloride Aq.	10	B	-	A	A	A
Calcium Hypochlorite		D	-	A	A	B
Camphor		A	A	A	A	-
Carbon Disulfide		A	A	B	A	D
Carbon Tetrachloride		A	A	B	A	D
Carbonic Acid	10	A	A	A	A	A
Carnallite Aq.	10	A	-	A	A	-
Chloracetic Acid Aq.	10	C	-	-	A	-
Chloral Hydrate		C	-	A	A	-
Chlorine Aq.	10	C	-	B	A	D
Chlorine Gas	100	C	-	B	A	D
Chlorobenzene		A	-	B	A	D
Chloroform		C	-	B	A	C
Chlorosulfonic Acid Aq.	10	C	-	C	A	D
Chrome Alum Aq.	10	A	-	A	A	A
Chromic Acid Aq.	1	C	-	B	A	D
Citric Acid Aq.	10	C	A	A	A	A
	Sat.	C	-	A	A	-
Cresols		D	-	A	A	-
Cresylic Acid		D	-	-	A	D
Cupric Chloride Aq.	10	B	-	A	A	B

Chemical	Concentration %					
	Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Cupric Sulfate Aq.	0.5	B	-	A	A	B
Cyclohexane		A	-	A	A	C
Cyclohexanol		B	-	A	A	B
Cyclohexanone		A	-	A	A	D
Decalin		A	-	A	A	D
Detergents, Organic		A	-	A	A	B
Dibutylphthalate		A	-	A	A	D
Dichlorodifluoro Methane		A	-	-	A	-
Dichloroethylene		A	-	C	A	-
Diethyleneglycol Aq.	90	A	-	A	A	A
Diesel Oil		A	-	A	A	C
Dimethyl Carbinol		B	A	A	A	-
Dimethyl Aniline		A	-	A	A	-
Dimethyl Formamide		A	A	A	A	D
Dietyl Phthalate		A	-	-	A	D
Dioxan		A	A	A	A	D
Edible Oils		A	A	A	A	-
Ethanol Aq.	96	B	A	A	A	A
Ether, Diethyl		A	A	A	A	C
Ethyl Acetate		A	B	A	A	D
Ethyl Butyrate		A	-	-	A	-
Ethyl Chloride		A	-	-	A	D
Ethylene Chlorhydrin		D	-	-	A	B
Ethylene Chloride		B	A	B	A	D
Ethylene Diamine		A	A	A	A	A
Ethylene Dichloride		B	-	-	A	D
Ethylene Glycol Aq.	96	B	-	A	A	A
Ethylene Propionate		A	-	-	A	-
Ferrous Chloride Aq.	5	B	-	A	A	B
	10	C	-	A	A	B
Fluorine		D	-	C	C	-
Fluosilicic Acid Aq.	10	C	-	A	A	-

# Chemical Resistance

Chemical	Concentration %	Material					
		Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Fluothane		A	-	A	A	A	-
Freon 12		A	-	-	A	A	A
Formaldehyde Aq.	40	B	A	A	A	A	-
Formic Acid Aq.	3	B	D	A	A	A	-
	10	C	D	A	A	A	-
Fruit Juices	Conc	B	B	A	A	A	-
Furfural		A	-	A	A	A	D
Glycerine		A	-	A	A	A	A
Heptane		A	A	A	A	D	B
Hexane		A	A	A	A	A	B
Hydrobromic Acid Aq.	10	C	-	A	A	A	C
Hydrochloric Acid Aq.	0.4	B	D	A	A	A	B
	2	C	D	A	A	A	B
	10	D	D	A	A	C	C
Hydrofluoric Acid Aq.	4	C	D	A	B	A	A
Hydrogenated Veg. Oils		A	-	A	A	A	-
Hydrogen Peroxide	0.5	C	D	A	A	A	A
	1	C	D	A	A	A	A
	3	D	D	A	A	A	B
Hydrogen Sulfide Aq.	Sat.	A	C	A	A	A	B
Hydroquinone		B	-	-	A	A	D
Iodine		C	D	A	A	C	D
Isooctane		A	-	A	A	A	B
Isopropyl Alcohol		B	A	A	A	A	B
Isopropyl Ether		A	-	A	A	A	C
Lactic Acid Aq.	10	C	B	A	A	A	A
	90	D	-	A	A	A	A
Lead Acetate Aq.	10	B	-	A	A	A	B
Lead Stearate		A	A	A	A	A	-
Linseed Oil		A	A	A	A	A	C
Lubricating Oils, Petroleum		A	A	A	A	A	B
Lithium Bromide Aq.	50	D	-	-	A	A	-
Magnesium Chloride Aq.	10	A	A	A	A	A	A
Magnesium Hydroxide Aq.	10	A	A	A	A	A	B
Magnesium Sulfate Aq.	10	A	A	A	A	A	A
Maleic Acid Aq.	Conc	C	-	A	A	A	D
Malonic Acid Aq.	Conc	C	-	-	A	A	-
Manganese Sulfate Aq.	10	A	A	-	A	A	-
Mercuric Chloride Aq.	6	C	B	A	A	A	A
Methanol		B	A	A	A	A	A
Methyl Acetate		A	B	-	A	A	B
Methyl Ethyl Ketone		A	B	A	A	A	D
Methyl Pyrrolidone		A	-	-	A	D	-
Methyl Chloride		B	C	B	A	A	D
Methyl Phenyl Ether		A	-	-	A	A	-
Mineral Oils		A	A	A	A	A	B
Naphthalene		A	-	A	A	A	D
Nickel Sulfate Aq.	10	A	-	A	A	A	A

Chemical	Concentration %	Material					
		Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Nitric Acid Aq.	0.1	C	D	A	A	A	D
	10	D	D	A	A	A	D
Nitrobenzene		C	B	A	A	A	D
Nitromethane		B	-	-	A	A	C
Oleic Acid		A	C	A	A	A	D
Oleum		D	D	C	A	A	D
Oxalic Acid Aq.	10	B	C	A	A	A	B
Ozone		C	C	B	A	A	-
Paraffin		A	A	A	A	A	C
Perchloroethylene		B	A	-	A	A	D
Perchloric Acid Aq.	10	C	C	A	A	C	B
Petrol (Gasoline)		A	A	A	A	C	D
Petroleum Ether		A	A	A	A	A	-
Phenol Aq.	6	C	D	A	A	A	C
	75	D	D	A	A	A	D
Phenol, molten		D	D	A	A	A	D
Phosphoric Acid Aq.	0.3	B	C	A	A	A	C
	3	C	C	A	A	A	D
	10	D	C	A	A	A	D
Phthalic Acid Aq.	Sat.	B	-	A	A	A	-
Potassium Acetate Aq.	50	A	A	A	A	A	B
Potassium Bicarb. Aq.	60	A	-	A	A	A	-
Potassium Bromide Aq.	10	A	-	A	A	A	-
Potassium Carbonate Aq.	60	A	-	A	A	A	-
Potassium Chloride Aq.	90	A	-	A	A	A	A
Potassium Dichromate Aq.	5	B	-	A	A	A	A
Potassium Ferrocyanide Aq.	30	A	-	-	A	A	-
Potassium Hydroxide Aq.	10	A	-	A	A	A	B
	50	C	-	A	B	A	B
Potassium Nitrate Aq.	10	A	B	A	A	A	A
Potassium Permanganate Aq.	1	C	A	A	A	A	-
Potassium Sulfate Aq.	Conc	A	-	A	A	A	A
Potassium Sulfide Aq.	90	A	-	-	A	A	A
Pyridine		A	A	A	A	A	D
Propane Gas		A	-	A	A	A	B
Resorcinol		C	-	-	A	A	-
Salicylic Acid		A	-	-	A	A	-
Silicone Fluids		A	A	A	A	A	A
Silver Nitrate		A	A	A	A	A	A
Soap Solutions		A	A	A	A	A	B
Sodium Acetate Aq.	60	B	-	A	A	A	B
Sodium Benzoate Aq.	10	A	-	A	A	A	-
Sodium Bicarbonate Aq.	50	A	A	A	A	A	A
Sodium Bisulfite Aq.	10	A	-	A	A	A	A
Sodium Bromide Aq.	10	A	-	-	A	A	-
Sodium Carbonate Aq.	20	A	A	A	A	A	A
	50	A	-	A	A	B	A
Sodium Chlorate Aq.	10	A	-	A	A	A	-

Chemical	Concentration %	Material					
		Polyamide (Nylon)	Acetal	UHMW	PTFE (Hi-Temp)	Polypropylene	Neoprene Rubber
Sodium Chloride Aq.	10	A	A	A	A	A	A
	90	A	A	A	A	A	-
Sodium Cyanide Aq.	10	A	A	A	A	A	A
Sodium Hydroxide Aq.	10	A	D	A	A	A	B
	50	A	D	A	B	A	-
Sodium Hypochlorite 15%		D	D	A	A	A	D
Sodium Nitrate Aq.	50	A	B	A	A	A	B
Sodium Perborate Aq.	10	B	-	A	A	A	B
Sodium Phosphate Aq.	90	A	-	-	A	A	B
Sodium Silicate		A	A	A	A	A	A
Sodium Sulfate Aq.	90	A	A	A	A	A	A
Sodium Sulfide Aq.	90	A	-	A	A	A	A
Sodium Thiosulfate Aq.	10	A	A	A	A	A	A
Stannic Chloride Aq.	10	C	-	-	A	A	D
Stannic Sulfate Aq.	10	C	-	-	A	A	-
Stearic Acid		A	-	A	A	A	B
Sulfur Dioxide (Dry Gas)	100	B	B	A	A	A	D
Sulfuric Acid Aq.	2	C	D	A	A	A	D
	5	D	D	A	A	C	-
Sulfurous Acid Aq.	10	D	C	A	A	A	B
Tallow		A	A	A	A	A	B
Tar		B	-	-	A	A	C
Tartaric Acid Aq.	10	B	-	A	A	A	A
Tetrachloroethylene		A	-	B	A	A	D
Tetrahydrofuran		A	A	B	A	A	D
Tetralin		A	-	A	A	A	D
Thionyl Chloride		C	B	C	A	A	-
Thiophene		A	-	B	A	A	-
Toluene		A	A	B	A	C	D
Trichloroethylene		B	B	B	A	A	D
Triethanolamine		A	-	A	A	A	B
Turpentine		A	A	A	A	A	D
Trisodium Phosphate Aq.	95	B	-	-	A	A	D
Urea		A	A	A	A	A	-
Vegetable Oils		A	A	A	A	A	C
Vinegar		C	C	A	A	A	B
Vinyl Chloride		A	-	-	A	A	-
Water		A	A	A	A	A	B
White Spirit		A	A	A	A	A	B
Wines & Spirits		B	A	A	A	A	A
Xylene		A	A	B	A	D	D
Xylenol		D	-	-	A	-	D
Zinc Chloride Aq.	10	B	-	A	A	A	A
Zinc Oxide		A	-	A	A	A	-
Zinc Sulfate Aq.	10	A	-	A	A	A	A

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