





The **Ideal Tridon Group** has comprehensive offerings of highly engineered critical components used in supporting, securing, and connecting the movement of air, fluid, and electricity in critical applications. We are a growing family of brands, all known for their superior subject matter expertise.

**Our Products**

Hose clamps • Strut & Support Systems • Hose Fittings & Couplings • & more!

**Our Values**

Devotion to Customers • Passion for Growth • Outstanding Quality

**Our Brands**

Support.	Secure.	Connect.

**Product Part Number Dimension Tables**

Below is an example of part number dimension tables used throughout this catalog. This table shows all three Metal Framing companies in the Ideal Tridon Group however in order to Streamline our Support Product Offerings the Versabar and Florida Strut Brands and Part Numbers are being Discontinued and Converted into the Wesanco Brand and Part Numbers.

SPECIFYING Brand & Part No.	Dimension Data Information	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W5142	3" (76mm)	VF2205A	L14
W5143	3-½" (89mm)	VF2205B	L15
W5144	4" (102mm)	VF2205C	L16

Below is an example part number dimension table used throughout this catalog. These are Wesanco or ZSI Products All parts are available thru your ITG representative.

Part No.	Nominal Pipe Size	Dimensions	
		"A"	"B"
CG-10	¼"	1- <sup>15</sup> / <sub>16</sub> " (49mm)	1- <sup>15</sup> / <sub>16</sub> " (49mm)
CG-20	¾"	2- <sup>3</sup> / <sub>8</sub> " (60mm)	2- <sup>3</sup> / <sub>8</sub> " (60mm)

See page 23 for Material or Finish ordering codes for use in part numbers.

**Warranty:**

Wesanco ZSI warrants that its products are supplied in accordance with published specifications in our current general engineering catalog and that any product sold to Purchaser will be free from defects in material or workmanship at the time of delivery to the carrier.

Wesanco ZSI's sole responsibility in the event of any defect found within 30 days of acceptance of delivery of any product it produces in material or workmanship shall be at Wesanco ZSI's sole discretion to repair or replace any such defective product.

**THE AFORESAID WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND WESANCO ZSI EXPRESSLY DISCLAIMS ANY OTHER WARRANTY INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AGENT, EMPLOYEE OR REPRESENTATIVE OF WESANCO**

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We reserve the right to make specification changes without notice. While every effort has been made to assure the accuracy of information contained in this catalog at the time of publication, we cannot accept responsibility for inaccuracies resulting from undetected errors or omissions.

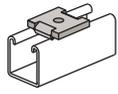
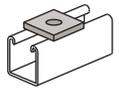
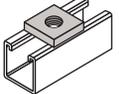
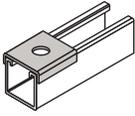
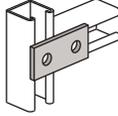
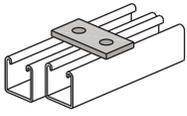
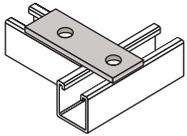
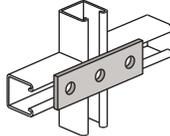
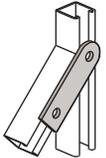
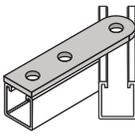
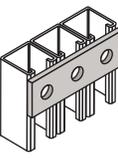
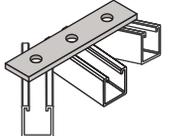
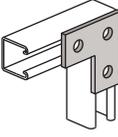
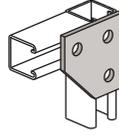
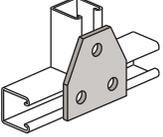
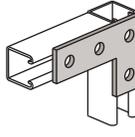
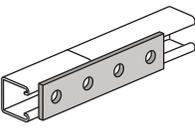
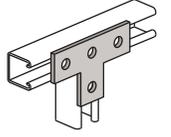
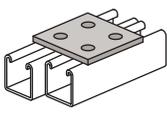
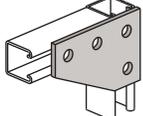
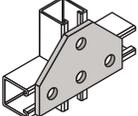
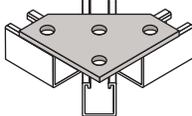
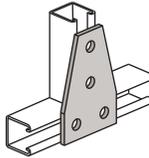
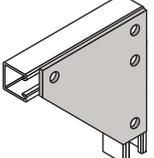
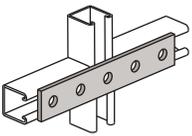
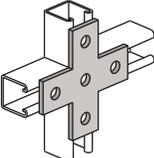
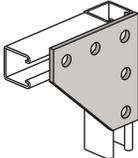
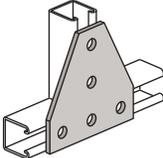
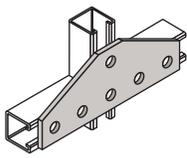
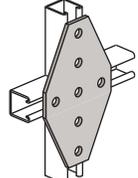
## Channel

Channel					
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				<b>SLA0150 - Light Duty -</b> $1\frac{1}{2}" \times 1\frac{1}{2}"$ (38 x 38mm) <b>SLA0225 - Medium Duty -</b> $2\frac{1}{4}" \times 1\frac{1}{2}"$ (57 x 38mm) <b>SLA0300 - Heavy Duty -</b> $3" \times 1\frac{1}{2}"$ (76 x 38mm)	
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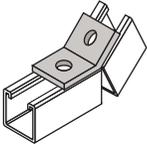
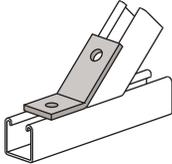
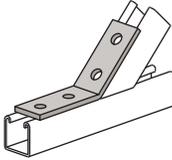
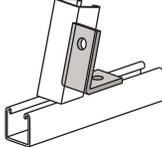
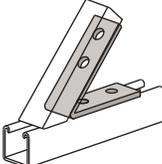
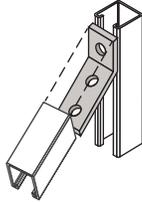
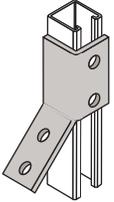
## Flat Plate Fittings

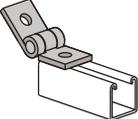
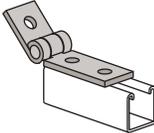
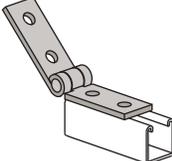
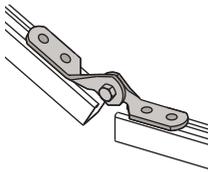
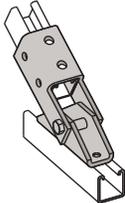
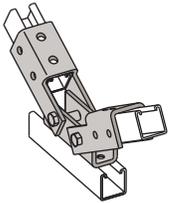
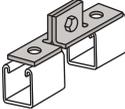
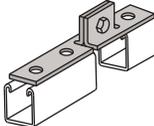
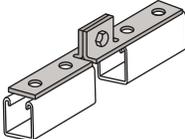
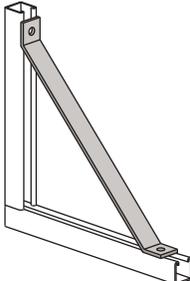
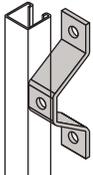
Flat Plate Fittings					
<b>Square Washer with Channel Guide</b>	<b>Square Washer</b>	<b>Square Washer with Threaded Hole</b>	<b>Square Washer with Clip on Guide</b>	<b>2-Hole Splice Plate</b>	<b>2 Hole Parallel Splice Plate</b>
W5051 – W5057	W5002 – W5006	W5053T – W5055T	W5052U – W5056U	W5007	W5013
					
Page 78	Page 78	Page 78	Page 78	Page 78	Page 79
<b>2-Hole Perpendicular Splice Plate</b>	<b>3-Hole Splice Plate</b>	<b>2-Hole Swivel Plate</b>	<b>3-Hole Swivel Brace Connector</b>	<b>3-Hole Flat Plate</b>	<b>3-Hole Flat Plate</b>
W5015	W5008	W5011	W5012	W5016	W5017
					
Page 79	Page 79	Page 79	Page 79	Page 79	Page 80
<b>3-Hole Flat Angle Plate</b>	<b>3-Hole Corner Gusset Plate</b>	<b>3-Hole Tee Gusset Plate</b>	<b>4-Hole Extended Flat Angle</b>	<b>4-Hole Splice plate</b>	<b>4-Hole Tee Plate</b>
W5021	W5030	W5031	W5025	W5009	W5022
					
Page 80	Page 80	Page 80	Page 80	Page 80	Page 81
<b>4-Hole Parallel Splice Plate</b>	<b>4-Hole Corner Plate</b>	<b>4-Hole Triangle Flat Plate</b>	<b>4-Hole Double Brace Connector</b>	<b>4-Hole Gusset Plate</b>	<b>4-Hole Corner Gusset Plate</b>
W5014	W5024	W5018	W5019	W5026	W5036
					
Page 81	Page 81	Page 81	Page 81	Page 81	Page 82
<b>5-Hole Splice Plate</b>	<b>5-Hole Cross Plate</b>	<b>5-Hole Corner Gusset Plate</b>	<b>Five Hole Gusset Plate</b>	<b>6-Hole Gusseted Cross Connector</b>	<b>7-Hole Cross Gusset Plate</b>
W5010	W5023	W5028	W5027	W5037	W5029
					
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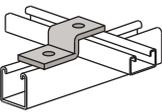
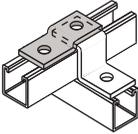
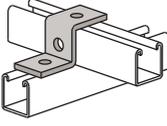
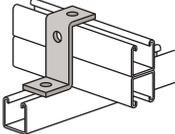
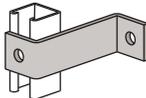
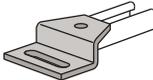
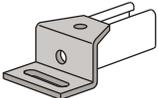
## 90° Angle Fittings

90° Angle Fittings							Introduction
1-Hole Angle Washer with Threaded Hole	2-Hole Corner Angle Washer with Threaded Hole	2-Hole End Connector	2-Hole Rack Connector	2-Hole Rack Connector with 2-End Notches	2-Hole Rack Connector with 1-End Notch	3-Hole Column Stringer Connector	
W5160	W5142 – W5144	W5103	W5102	W5104	W5101	W5113	Channel
Page 83	Page 83	Page 83	Page 83	Page 84	Page 84	Page 84	Channel Nuts & Hardware
3-Hole End Connector	3-Hole Rack Corner Angle	3-Hole Angle Connector, LH or RH	4-Hole Angle Connector, LH or RH	3-Hole Angle Connector, LH or RH	4-Hole Offset Corner Angle	4-Hole, 2-Column Strut Splice	
W5112	W5115	W5136 & W5135	W5140 & W5141	W5138 & W5139	W5137	W5126	General Fittings
Page 84	Page 84	Page 84	Page 85	Page 85	Page 85	Page 85	Brackets
3-Hole Rack Splice	4-Hole Rack Splice Connector	4-Hole Corner Connector	4-Hole Rack Corner Angle	5-Hole Cross With 90° Angle Leg	4-Hole Post Stringer, LH or RH	5-Hole Right Hand Gusset Angle	
W5110	W5109	W5125	W5123	W5152	W5133 & W5134	W5118	Beam Clamps
Page 85	Page 85	Page 86	Page 86	Page 86	Page 86	Page 86	Pipe & Conduit Supports
4-Hole Gusset Corner Angle, LH or RH	5-Hole Corner Splice	6-Hole, 3-Way Mid Column Connector	Universal Corner Angle	6-Hole Gusset Corner Angle, LH or RH	3-Hole Right Angle End Splice	4-Hole Right Angle End Splice	
W5121 & W5122	W5117	W5154	W5124 & W5124W	W5156 & W5157	W5158	W5159	Electrical Fittings
Page 86	Page 87	Page 87	Page 87	Page 87	Page 87	Page 87	Spring Steel
2-Hole Vertical Adjustment Angle	2-Hole Horizontal Adjustment Angle	Two Hole Adjustment Angle	Two Hole Adjustment Angle	3-Hole Adjustment Angle	3-Hole Adjustment Angle		
W5106	W5105	W5107	W5108	W5111	W5153		Concrete Inserts
						Roofing Supports	
Page 88	Page 88	Page 88	Page 88	Page 88	Page 88		Fiberglass System

## Angle, Brace, & “Z” Shaped Fittings

Angle Fittings						
2-Hole Small Open Angle	2-Hole Open Angle	4-Hole Open Angle	2-Hole Closed Angle	4-Hole Closed Angle	3-Hole 45° Open Angle	4-Hole Angle Wing Fitting, LH or RH
W5470-x Series	W5420 – W5430	W5440 – W5450	W5460 – W5466	W5410 – W5417	W5431	W5562L & W5562R
						
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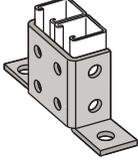
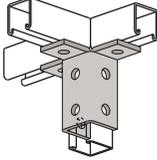
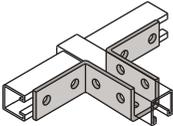
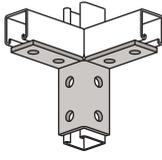
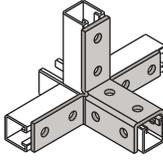
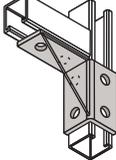
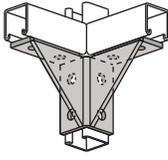
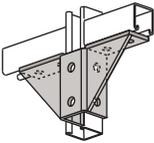
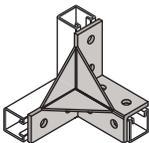
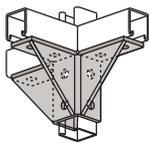
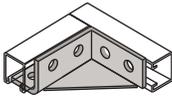
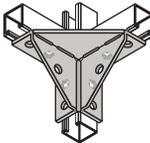
Brace Fittings					
Two-Hole Adjustable Hinge	Three-Hole Adjustable Hinge	Four-Hole Adjustable Hinge	Four-Hole Adjustable Angle	Single Adjustable Angle Brace	Double Adjustable Angle Brace
W5490	W5491	W5492	W5495	W5480	W5485
					
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2-Hole Adjustable Hinge Fitting	3-Hole Adjustable Hinge Fitting	4-Hole Adjustable Hinge Fitting	45° Angular Corner Brace	Utility Vault Ladder Rung	Ladder Assembly Fitting
W5496	W5497	W5498	W5471 – W5475	W10236 – W102324	W1017B – W1017F
					
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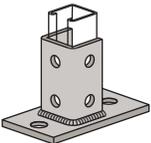
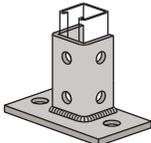
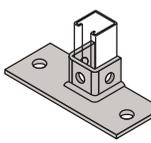
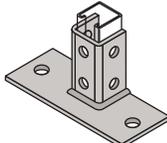
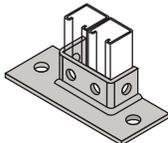
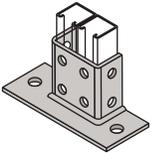
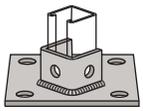
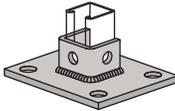
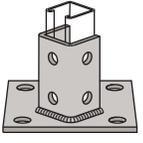
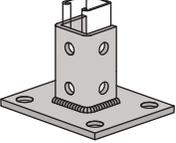
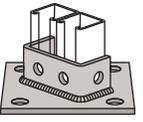
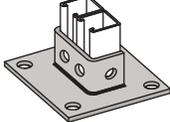
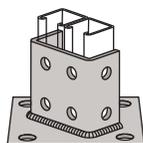
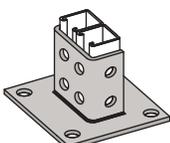
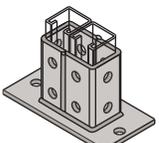
“Z” Shape Fittings						
2-Hole Z Fitting	2-Hole Offset Support	Three Hole Z Fitting	Z Fitting For Double Square Channel	2-Hole Z Connector	Adjustable Z Connector	Adjustable Z Connector
W5209 – W5215	W5203	W5212	W5210	W5224 – W5228	W5205	W5202
						
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## “U” Shaped & Wing Fittings

“U” Shape Fittings						Introduction	
Two-Hole U-Fitting Clevis	3-Hole “U” Support	5-Hole “U” Support for 1-5/8” Channel	6-Hole U-Fitting for 1-5/8” Double Channel	4-Hole Strap For 2-1/2” Channel	1-Hole U-Fitting 2 Slot for 13/16” Channel		
W5324 – W5328	W5315 – W5321	W5312	W5317	W5322	W5305	Channel	
Page 95	Page 95	Page 96	Page 96	Page 96	Page 96	Channel Nuts & Hardware	
1-Hole U-Fitting 2 Slot for 1-5/8” Channel	Connector For Double Diagonal Brace	8-Hole U-Fitting for 1-5/8” Channel	12-Hole U-Fitting for 3-1/4” Channel	6-Hole U-Fitting for 3-1/4” Channel	4-Hole “C” Fitting 3-1/4” Inside	General Fittings	
W5307 – W5310	W5330	W5319	W5323	W5329	W5301		
						Brackets	
Page 96	Page 97	Page 97	Page 97	Page 97	Page 98		
Swing Clevis	Swing Clevis Adapter	4-Hole U-Fitting Splice for 2-1/2” Channel	4-Hole U-Fitting Splice for 2-7/16” Channel	4-Hole U-Fitting Splice for 3-1/4” Channel	2-Hole Splice for 13/16” Channel	Beam Clamps	
W5350	W5351	W5340	W5349	W5348	W5342		
						Pipe & Conduit Supports	
Page 98	Page 98	Page 98	Page 98	Page 98	Page 99		
2-Hole U-Fitting Splice for 1-5/8” Channel	3-Hole Splice for 13/16” Channel	3-Hole U-Fitting Splice for 1-5/8” Channel	4-Hole Splice for 13/16” Channel	4-Hole U-Fitting Splice for 1-5/8” Channel	Electrical Fittings		
W5344	W5343	W5346	W5347	W5345			
Page 99	Page 99	Page 99	Page 99	Page 99		Spring Steel	
						Concrete Inserts	
Wing Fittings							Roofop Supports
3-Hole Wing Fitting Single Corner, LH or RH	6-Hole, 1-Way Extended Wing, LH or RH	5-Hole Wing Fitting Corner Connector Opposed	4-Hole Wing Fitting Double Corner	8-Hole Wing Fitting Corner Connector Opposed	6-Hole Wing Fitting Double Corner	6-Hole Wing Fitting Triple Corner	
W5511 – W5510	W5146 – W5147	W5513	W5512	W5519	W5518	W5514	
Page 100	Page 100	Page 100	Page 100	Page 100	Page 100	Page 101	Fiberglass System
							Technical Data

## Wing Fittings (cont.) & Post Bases

Wing Fittings						
10-Hole Base Wing Fitting	9-Hole Wing Fitting Triple Corner	10-Hole Wing Fitting Corner Opposed	8-Hole Wing Fitting Double Corner	12-Hole Wing Fitting Triple Corner	1-Way Extended Gusset Wing, LH or RH	8-Hole Wing Fitting Double Corner Gusset
W5524	W5517	W5523	W5515	W5522	W5148 & W5149	W5516
						
Page 101	Page 102	Page 102				
10-Hole Corner Opposed Double Gusset	8-Hole Wing Fitting Double Corner Double Gusset	12-Hole Wing Fitting Triple Corner Gusset	6-Hole Wing Fitting Single Corner Gusset, LH or RH	8-Hole Double Corner Gussetted Connector		
W5520	W5531	W5521	W5524L & W5524R	W5525		
						
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Post Bases				
Rectangular Plate 8-Hole Post Base Single Channel	Rectangular Plate 8-Hole Post Base Single Channel	Rectangular Plate 5-Hole Flush Single Channel	Rectangular Plate 8-Hole Flush Single Channel	Double Channel Stand/Wall Flush 6-Hole
W5810	W5810FL	W5813FL	W5814FL	W5815FL
				
Page 103	Page 103	Page 103	Page 103	Page 104
Double Channel Stand/Wall Flush 10-Hole Post Base	Post Base Single Channel 7-Hole Standard	Post Base Single Channel 7-Hole Square	Post Base Single Channel 10-Hole Standard	Post Base Single Channel 10-Hole Standard
W5816FL	W5813	W5813SQ	W5814	W5814SQ
				
Page 104	Page 104	Page 104	Page 104	Page 104
Post Base Double Channel 8-Hole Standard	Post Base Double Channel 8-Hole Standard	Post Base Double Channel 12-Hole Standard	Post Base Double Channel 12-Hole Square	Post Base Double Channel 14-Hole Square 3-1/2" Boxed
W5815	W5815SQ	W5816	W5816SQ	W5817
				
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## Post Bases (cont.), Rollers & Brackets

Post Bases				
Post Base Quad-Channel 20-Hole Square	Rectangular Plate 6-Hole Post Base Double Channel Short Clevis	Post Base Single Channel Gusset 8-Hole Square	Post Base Double Channel 5-Hole	
W5821	W5812	W5811	W5818	
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Trolleys							
Trolley Support 3 Hole Standard	Trolley Support 3 Hole Heavy Duty	Two Wheel Trolley	Four Wheel Trolley	Two Wheel Trolley	Four Wheel Trolley	Four Wheel Trolley	Four Wheel Trolley with Swivel Loop
W6604	W6603	W6606	W6601 & W6605	W6602	W6600	W6607	W6610
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Brackets					
One-Hole Wrap Around Channel Bracket, Slot Up	One-Hole Wrap Around Channel Bracket, Slot Down	Two-Hole Wrap Around Channel, Slot Up or Down	Bracket Arms are 1-5/8" Channel	Bracket Arms are 1-5/8" Channel	2-Hole, 1/4" Plate with 1-5/8" Channel Bracket
W5641 & W5642	W5645 & W5646	W5647 & W5648	W5631 - W5634	W5635 - W5638	W5661 - W5664
Page 110	Page 110	Page 110	Page 111	Page 111	Page 112
2-Hole, 3/8" Plate with Double 1-5/8" Channel Bracket	Two-Hole Bracket Arms are 1" Channel	3-Hole Girder Style Bracket	5-Hole Girder Style Bracket	6-Hole Bracket with Brace	Twelve-Hole Wide Girder Style Bracket
W5652 - W5656	W5682 - W5688	W5669 & W5671	W5673 & W5675	W5677 - W5679	W5673D & W5675D
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Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

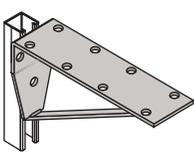
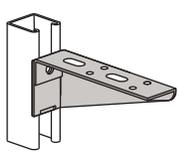
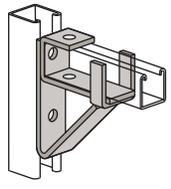
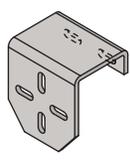
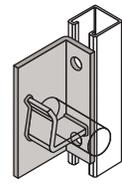
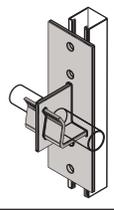
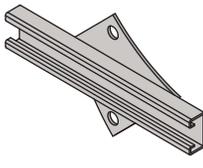
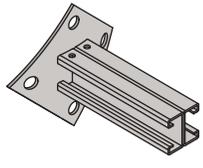
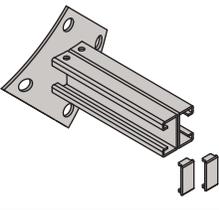
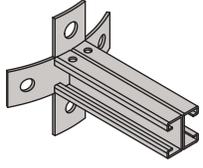
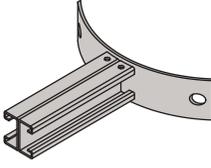
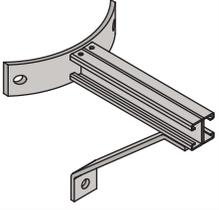
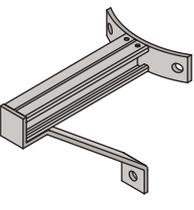
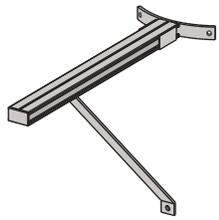
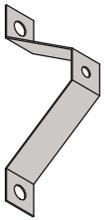
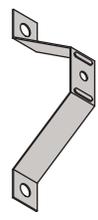
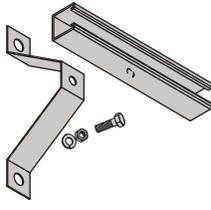
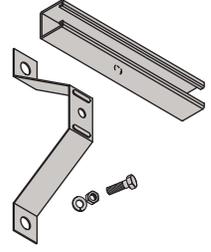
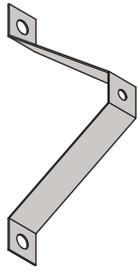
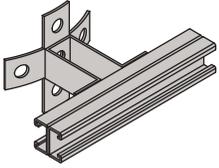
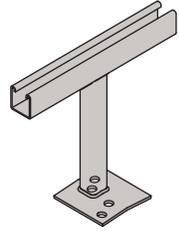
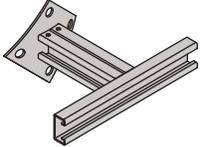
Concrete Inserts

Rooftop Supports

Fiberglass System

Technical Data

## Brackets (cont.)

Brackets					
<b>Wide Bracket with Brace</b>	<b>Slotted Shelf Brackets</b>	<b>Cantilever Support Bracket</b>	<b>Handrail Stand-Off Bracket</b>	<b>Single Axle Cable Reel Support</b>	<b>Double Axle Cable Reel Support</b>
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<b>Beam Clamp Anchor Strap</b>	<b>Beam Clamps</b>	<b>Malleable Iron Rod Support Beam Clamp</b>	<b>Wide Mouth Rod Support Beam Clamp</b>	<b>Rod Suspension Beam Clamp with Retainer</b>	<b>Strut to Beam Clamp C-Type, Parallel</b>	<b>Heavy Beam 1/2" Rod Suspension Clamp</b>	
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## Beam Clamps (Cont.) & Pipe, Tube, & Conduit Supports

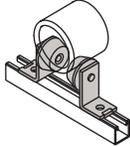
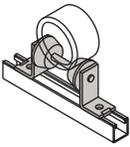
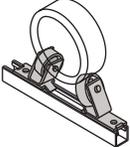
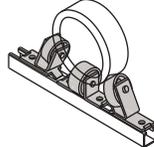
Beam Clamps						
Strut to Beam Clamp with Square U-Bolt	Strut to Beam Clamp with Square U-Bolt	"U" Bolt Beam Clamp (Long) for 6-1/2" Strut	Strut to Beam Clamp with Square U-Bolt and J-Hook	Strut to Beam Clamp with Square U-Bolt and J-Hook	Strut to Beam Clamp with Square U-Bolt and J-Hook	Strut to Beam Clamp with Two Square U-Bolts
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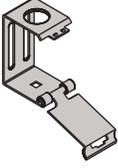
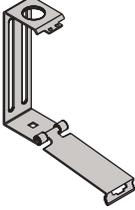
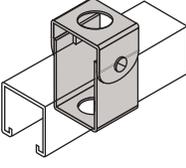
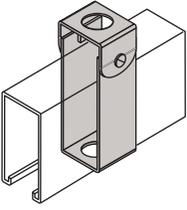
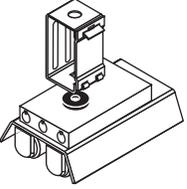
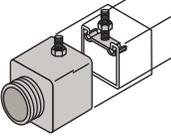
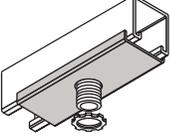
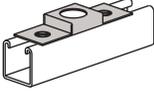
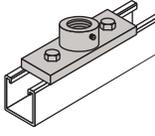
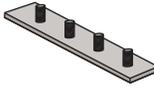
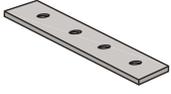
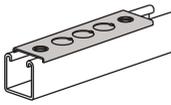
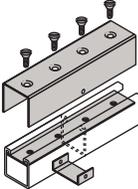
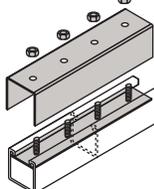
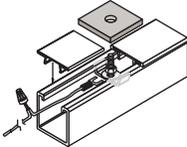
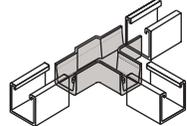
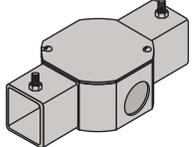
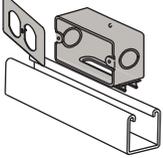
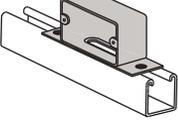
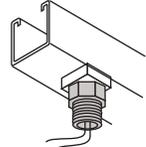
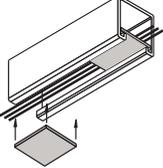
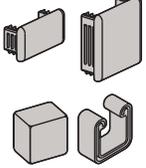
Concrete Inserts

Roofing Supports

Fiberglass System

Technical Data

## Electrical Accessories

Electrical Accessories					
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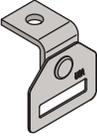
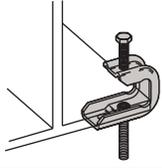
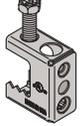
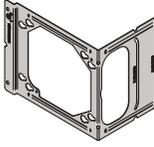
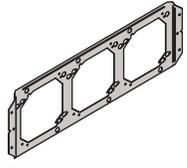
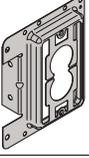
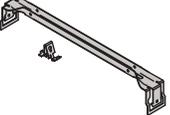
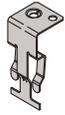
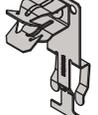
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<b>Flange Hanger with Conduit Clip</b>	<b>Conduit Clip to Flange</b>	<b>Conduit Clip with Conduit Clip</b>	<b>Conduit "Push In" Clip Conduit "Push In" Clip</b>	<b>Double Pipe and Conduit Hanger</b>	<b>Bridle Ring</b>	
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<b>Box to Conduit Support, Conduit Clips</b>	<b>Multi-function Clip to Box Conduit Support</b>	<b>Flange Clip to Box &amp; Conduit Support</b>	<b>Insulated Lines Hanger System</b>	<b>Flange Clip</b>	<b>Flange Clip Side Mount</b>	
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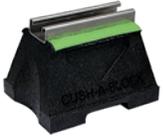
Concrete Inserts

Rooftop Supports

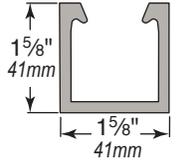
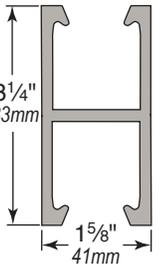
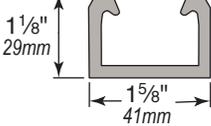
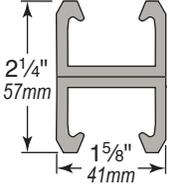
Fiberglass System

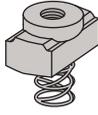
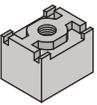
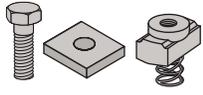
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## Rooftop (cont.), Gamma Pads, & Fiberglass Support System

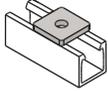
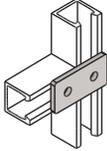
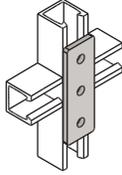
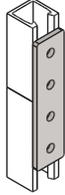
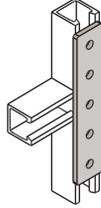
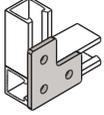
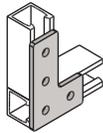
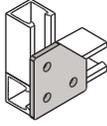
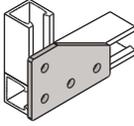
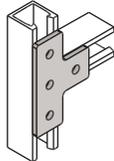
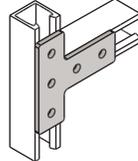
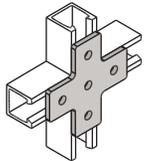
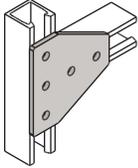
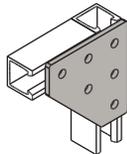
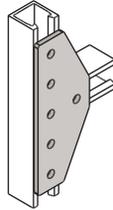
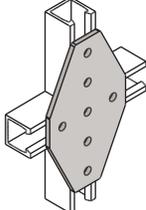
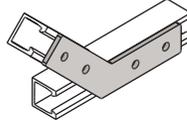
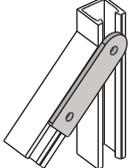
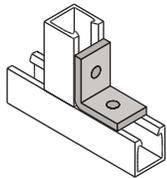
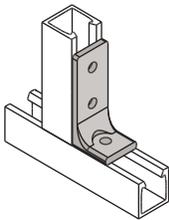
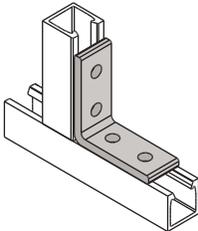
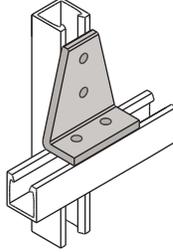
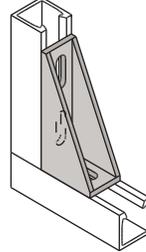
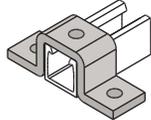
CBM Mini Block Plain Base	CBM Series Support with Metal Channel	CBM REX Support Raised 1-5/8" Metal Channel	CBMPH Series Raised Clamp for Copper or Steel Tube or Pipe	CBMPP Series Raised Clamp for PEX, CPVC, or PVC Pipe	CBMTRH Series Raised Hanger for Insulated Lines
CBM	CBM1S & CBM1D	CBM10REX & CBM12REX	CBMPH1 – CBMPH14	CBMPP2 – CBMPP12	CBMTRH2 – CBMTRH5
					
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Electrical Fittings

Spring Steel

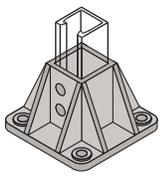
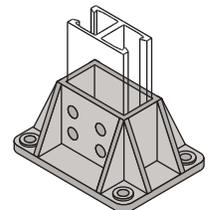
Concrete Inserts

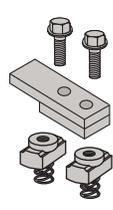
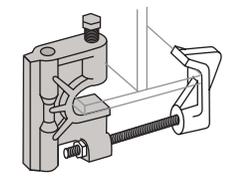
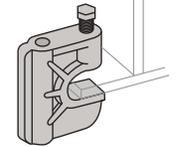
Roofing Supports

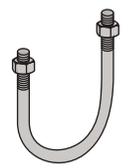
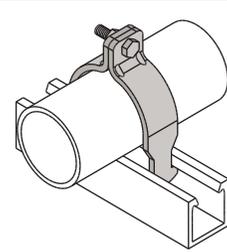
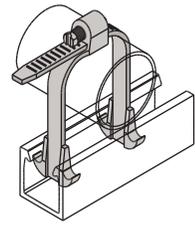
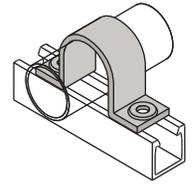
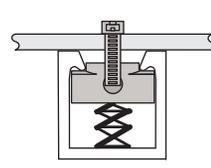
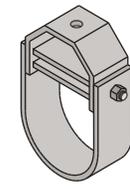
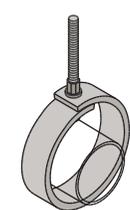
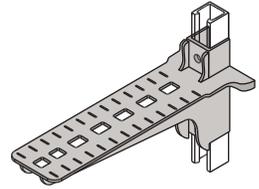
Fiberglass System

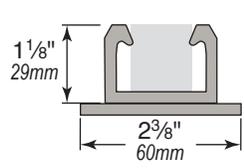
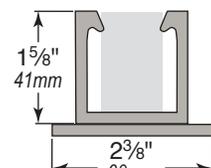
Technical Data

## Fiberglass Support System (cont)

Post Bases	
Single Post Base	Double Post Base
W5814SQPE & W5814SQPU	W5816SQPE & W5816SQPU
	
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Beam Clips and Clamps		
Beam Clips	Large Beam Clamp	Small Beam Clamp
BC500 Series	LBC Series	SBC Series
		
Page 283	Page 284	Page 284

Cable, Pipe & Tube Clamps & Supports				
Standard U-Bolts	Standard U-Bolts	Rigid Pipe Clamps	Adjustable Pipe Clamps	Two Hole Pipe Straps
W6304FG – W6322FG	W6308ERFG – W6326ERFG	W6126APU – W6174APU	APC050PU – APC300PU	W7938PU – W7870PU
				
Page 285	Page 286	Page 287	Page 288	Page 289
Adjustable Tubing Clamps	Clevis Hanger	SuperHanger™	SuperLoop™	Rack Arms
ABS Series	SCH100PE – SCH600PU	SH001 – SH010	SLH1200 – SLH2400	RA1400PU – RA2000NY
				
Page 290	Page 291	Page 292	Page 293	Page 294

Concrete Inserts	
1-5/8" x 1-1/8" Concrete Insert	1-5/8" x 1-5/8" Concrete Insert
W7565EPF & W7565EVF	W7265EPF & W7265EVF
	
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Fiberglass Chemical Resistance Chart . . . . . 296 - 298

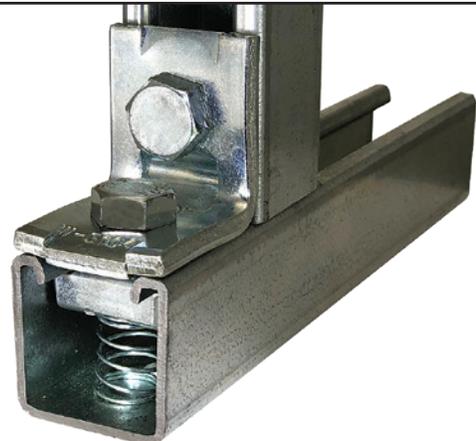
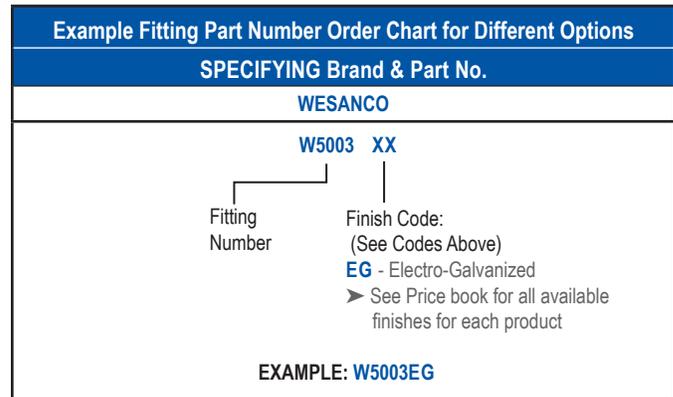
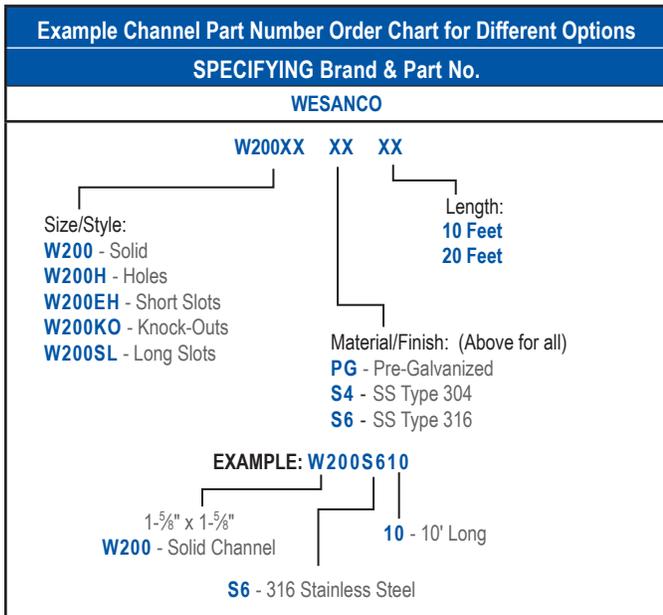
**Technical Data** . . . . . 299 - 339

- Material Specifications - Special Metals . . . . . 300
- Design & Dimension Information . . . . . 301 - 302
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## Part Number Order Options

Channel Finish or Material Order Codes		
Material/Finish	SPECIFYING Brand Material/Finish Codes	Description
Electroplated	<b>EG</b>	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	<b>PG</b>	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized	<b>HG</b>	Channel and fittings which are hot dip galvanized after fabrication.
Paint-Green Powder Coating	<b>GR</b>	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Black Zinc Phosphate	<b>--</b>	The coating is a phosphate treatment meeting the requirements of ASTM F1137, providing a corrosion-resistant crystalline layer—typically zinc, iron, or manganese phosphate.
Silva-Guard: Spring Steel	<b>SG</b>	Approved for outdoor as well as indoor applications. It is a chrome free duplex coating system that combines an inorganic zinc-rich base coat with an aluminum-rich organic topcoat.
Plain	<b>PL</b>	Other commercially available finishes can be supplied per specification when required to protect applications.
Special Coatings Yellow Passivate (Trivalent Chromium)	<b>YZ</b>	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B633, with a "Yellow" Dichromate conversion coat versus the clear conversion coat of the EG finish.
Stainless Steel: Channel	Type 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	Type 316	
Aluminum: Channel	<b>AL</b>	Aluminum alloy extruded bar, rod, wire, shape and tube.
Fiberglass: Polyester	<b>PF</b>	General purpose resin with good corrosion resistance for most applications. Standard color gray
Fiberglass: Vinyl Ester	<b>VF</b>	Premium grade resin with excellent corrosion resistance. Standard color beige
Fiberglass: Polyurethane	<b>PU</b>	Glass filled polyurethane which is highly corrosion resistant



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## General Information

Most channels are produced in 10 and 20 foot lengths (*3m and 6m*) with a length tolerance of plus or minus  $\frac{1}{16}$ ".

W600 and W700 are produced in 10 foot lengths (*3m*) only.

## Channels

### General

Channels are manufactured by the cold roll forming process which produces cross sections of uniform dimensions within tolerances established by the Metal Framing Manufacturer's Association, Metal Framing Standards Publication No. MFMA-4.

### Material

Steel used in the manufacture of channels conforms to the ASTM specifications in this catalog.

### Design

Design is based on AISI S100-2016 "Specification for the Design of Cold-Formed Steel Structural Members." Maximum bending stress used in design is 25,000 pounds per square inch (PSI). This is based upon a virgin steel minimum yield stress of 33,000 psi cold worked to an average yield stress of 42,000 psi.

### Welding

Welds meet the performance requirements of section 4 of AISI S100-2016 "Specification for the design of Cold-Formed Steel Structural Members." All multiple sections of two or more single channels are resistance spot-welded approximately 2" to 3" (*51mm to 76mm*) on center.

## Channel Nuts

### General

Channel nuts are formed or stamped from steel bar stock and is case hardened after all forming and tapping operations have been completed. The nuts are coated with zinc to ASTM-B633 "Electrodeposited Coatings of Zinc on Iron and Steel."

Channel nuts have uniform and American coarse screw threads.

Channel nuts are available both with and without springs. Springs are made from Galvanized spring steel wire.

### Material

The bar steel used in manufacture of channel nuts conforms to ASTM A575 or ASTM A576.

## Weights and Dimensions

All weights given for materials are approximate shipping weights. Weights will vary somewhat due to permissible tolerances and slight variations in material thickness.

We reserve the right to change design specifications or to add or discontinue specific items without notice.

## Fittings

### General

Fittings are manufactured by cold forming steel in punch press dies and conform to those tolerances listed in section 5.3 of Metal Framing Standards Publication No. MFMA-4.

### Material

Steel used for fittings is Hot-Rolled Pickled and Oiled strip steel or bar conforming to ASTM A 570 or ASTM A575.

### Welding

Fittings having two or more component parts may be arc or resistance welded in accordance with the appropriate American Welding Society Standards.

## Finishes

### Electroplated Zinc or Electro-Galvanized

This coating is standard for most Wesanco products. Electro-Galvanized products meet ASTM B633 SC1 or SC3, Type III. Electroplating deposits zinc on the surface of the steel by electrolysis from a bath of zinc salts. The thickness of zinc applied in this method is between 0.2 mils to 0.5 mils (*5.1  $\mu\text{m}$  to 12.7  $\mu\text{m}$* ).

### Mill-Galvanized (Pre-Galvanized)

ASTM A653 G-90 Pre-galvanized zinc is produced by continuously rolling steel coils or sheets through molten zinc at the mills. The coils are slit to size, fabricated by forming, shearing or punching to produce the finished product. During fabrication cut edges are not generally zinc coated. However, the zinc near the uncoated metal becomes a sacrificial anode to protect the bare areas.

### Paint-Green Powder Coating

A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.

### Hot Dip Galvanized After Fabrication

Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153 or ASTM A386.

### Black Zinc Phosphate

The coating is a phosphate treatment meeting the requirements of ASTM F1137, providing a corrosion-resistant crystalline layer—typically zinc, iron, or manganese phosphate—suitable for use as a base for lubricants or paint. The coating is uniform, adherent, and tested in accordance with ASTM F1137 procedures.

### Silva-Guard

Coating is a multi-step process that meets the 1000 hour salt spray test per ASTM B117 and DIN 50021. **Silva-Guard coating is WEEE, ELV, and RoHS compliant.** It is a chrome free duplex coating system that combines an inorganic zinc-rich base coat with an aluminum-rich organic topcoat.

### Special Coatings

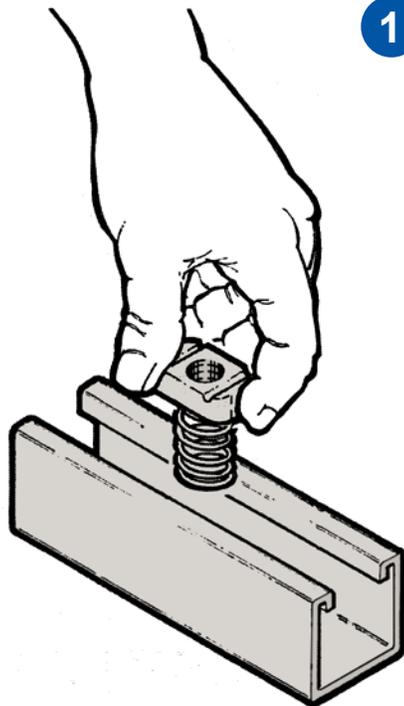
Other commercially available finishes can be supplied per specification when required to protect applications.

Channel Specifications		
Material	Current ASTM Designation	ASTM Description
Hot Rolled: Channel	A 1011SS GR33	Hot rolled carbon steel sheet and strip, structural quality.
Cold Rolled: Channel	A 1008SS GR33, A 1008	Cold rolled carbon sheet steel.
Pregalvanized: Channel	A 653 SS GR33	Steel sheet zinc-coated by hot dip process at mill, structural quality.
Stainless Steel: Channel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum: Channel	B 221 TYPE 6063 T6	Aluminum alloy extruded bar, rod, wire, shape, and tube.

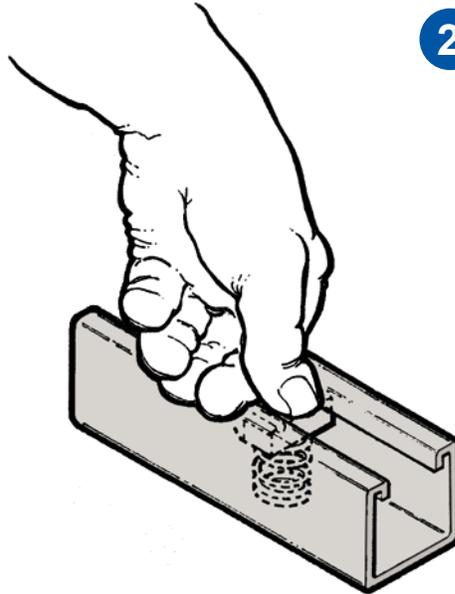
Fittings & Hardware Specifications		
Material	Current ASTM Designation	ASTM Description
Bar Stock: Channel Nuts	A 36	Merchant quality hot rolled carbon steel bars. Steel bars, carbon, hot rolled special quality.
	A 29-03	
Cold Rolled: Closure Strip	A 1008 CS GR33	Cold rolled carbon sheet steel.
Pregalvanized: Closure Strip	A 653 GR33 G90	Steel sheet, zinc coated (galvanized) by the hot dipped process, commercial quality.
Bar Stock	A 569	Merchant quality hot rolled carbon steel bars.
Hot Rolled Plate	A 575	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting (Steel)	A 366	Steel carbon, cold rolled sheet, commercial quality structural steel.
	A 366	
	A 36	
Hardware	A 563	Carbon and alloy steel nuts. Carbon steel externally threaded standard fasteners.
	A 307	
Strip Steel: Pipe Clamps	A 569	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Hot Rolled: Shelf Brackets	A 569	Steel carbon, cold rolled sheet, commercial quality structural steel.



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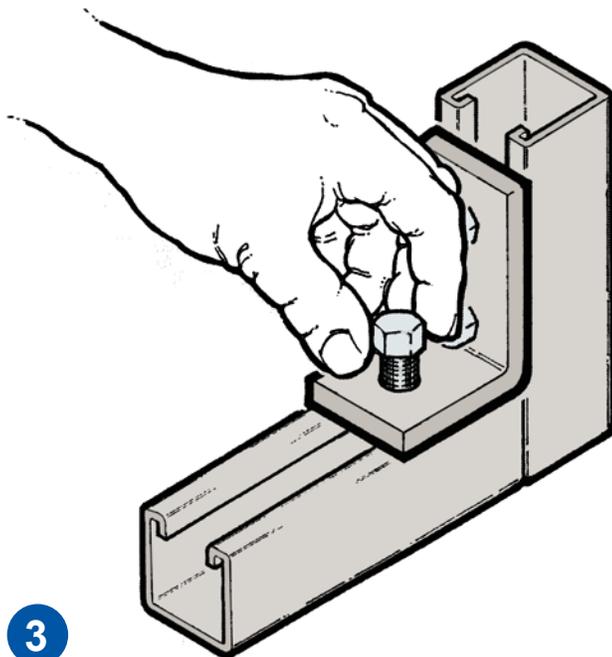


- 1** Insert the appropriate Channel Nut with spring, *parallel* to the slot edges, anywhere along the continuous open slot of the channel.



- 2** Depress the Channel Nut with spring below the in-turned channel edges. Rotate one quarter turn clock-wise, perpendicular, and release pressure on the nut.

The Nut will lock in-place, its pyramid grip enhanced grooves aligning with the underside of the channel's in-turned edges; the spring being designed to hold the nut in place during assembly.



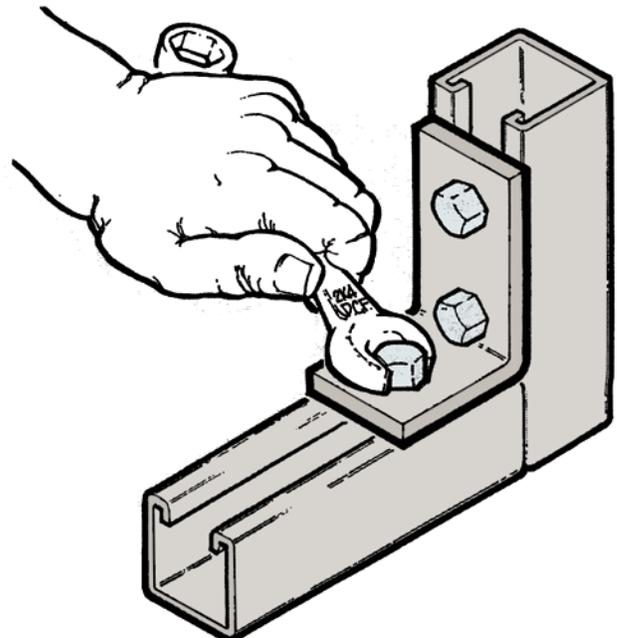
**3**

Fitting, bracket, or accessory, is located on the channel face over the Channel Nut with spring.

An appropriate diameter and length of bolt is inserted, and the fitting is adjusted for location at this time.

- 4** Properly torquing the bolt draws the Channel Nut with spring up against the in-turned channel lips, forming a strong, secure clamping connection.

Use caution not to bottom the bolt (select one of sufficient length, but not so long as to contact the inside back). **Do not over torque the bolt.**



# Channel Metal Framing



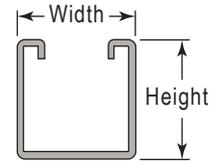
Channel Material Specifications		
Material	ASTM Designation	ASTM Description
Hot Rolled: Channel	A 1011SS GR33	Hot rolled carbon steel sheet and strip, structural quality.
Cold Rolled: Channel	A 1008SS GR33, A 1008	Cold rolled carbon sheet steel.
Stainless Steel: Channel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum: Channel	B 221 TYPE 6063 T6	Aluminum alloy extruded bar, rod, wire, shape and tube.

Channel Finish Specifications	
Finish	Description
Paint-Green Powder Coating	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153 or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

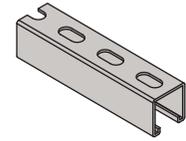
See page 23 for Material or Finish ordering codes for part numbers.

SPECIFYING Brand & Part No.	Channel Dimensions		Hole Patterns				Page	DISCONTINUED Brands & Part No.	
	Style	Height	Short Slots (EH)	Long Slots (SL)	Holes (H)	Knock Outs (KO)		VERSABAR	FLORIDA STRUT
<b>12 Gauge Steel - 1-5/8" Width</b>									
<b>W150</b>		3 1/4" (83mm)	◆ *	-	◆	-	56 - 59	VA11	FS12314
<b>W151</b>		6 1/2" (165mm)	◆ *	-	-	-		VA11201	FS12314NSBB
<b>W100</b>		2 7/16" (62mm)	◆	◆	◆	-	53 - 55	--	FS122716NS
<b>W101</b>		4 7/8" (124mm)	◆	-	-	-		--	FS122716NSBB
<b>W200</b>		1 5/8" (41mm)	◆ *	◆	◆ *	◆	38 - 41	VA1	FS12158NS
<b>W201</b>		3 1/4" (83mm)	◆ *	-	◆ *	-		VA1201	FS12158NSBB
<b>W300</b>		1 3/8" (35mm)	◆ *	◆	◆	◆	42 - 43	VA6	FS12138NS
<b>W301</b>		2 3/4" (70mm)	◆ *	-	-	-		VA6201	FS12138NSBB
<b>W800</b>		1" (25mm)	◆ *	◆	◆ *	-	44 - 46	VA10	FS12100NS
<b>W801</b>		2" (51mm)	◆ *	-	-	-		VA10201	FS12100NSBB
<b>W900</b>		7/8" (23mm)	◆	◆	◆	-	47 - 49	--	FS12078NS
<b>W901</b>		1 3/4" (44mm)	◆	-	◆	-		--	FS12078NSBB

◆ Pierced Available  
 \* Various hole patterns available, contact representative for more information

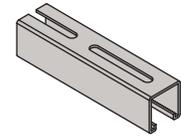


**Channel With Short Slots**



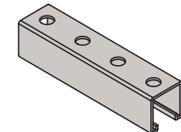
9/16" x 1 1/8" (14mm x 29mm)  
 Slots are punched on 2" (51mm) centers.  
 1 1/16" x 1 1/8" (18mm x 29mm)  
 Slots are punched on 2" (51mm) centers. Allows for 5/8" (16mm) threaded rod & bolts.

**Channel With Long Slots**



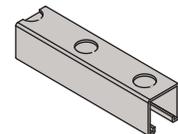
1 3/32" x 3" (10mm x 76mm)  
 Slots are punched on 4" (102mm) centers.

**Channel With Holes**



1 7/32" (13.5mm) Holes are punched on 1 1/2" (38mm) centers.  
 9/16" (14mm) Holes are punched on 1 7/8" (48mm) centers.  
 3/4" (19mm) Holes are punched on 1 7/8" (48mm) centers.  
 1 7/32" (13.5mm) Holes are punched on 8" (203mm) centers.

**Channel With Knock-Outs**



7/8" (22mm) Knock-outs are punched on 6" (152mm) centers.

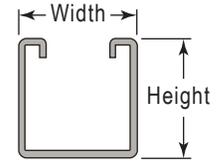
# Channel Selection Chart



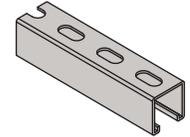
SPECIFYING Brand & Part No.	Channel Dimensions		Hole Patterns				Page	DISCONTINUED Brands & Part No.	
	Style	Height	Short Slots (EH)	Long Slots (SL)	Holes (H)	Knock Outs (KO)		VERSABAR	FLORIDA STRUT
<b>14 Gauge Steel - 1-5/8" Width</b>									
W210		1 5/8" (41mm)	◆ *	◆	◆ *	◆	38 - 40	VA2	FS14158NS
W211		3 1/4" (83mm)	◆ *	-	◆ *	-		VA2201	FS14158NSBB
W500		1 3/16" (21mm)	◆ *	◆	◆	◆	50 - 52	VA4	FS141316NS
W501		1 5/8" (41mm)	◆ *	-	-	-		VA4201	FS141316NSBB
<b>19 Gauge Steel - 1 3/16" Width</b>									
W600		1 3/16" (21mm)	-	-	-	-	60 - 61	--	--
W601		1 5/8" (41mm)	-	-	-	-		--	--
W700		1 3/32" (10mm)	-	-	-	-	62 - 63	--	--
W701		1 3/16" (21mm)	-	-	-	-		--	--
<b>Fiberglass Channel - 0.15" Thick - 1-5/8" Width</b>									
W200		1 5/8" (41mm)	◆	-	-	-	268 - 269	--	--
W201		3 1/4" (83mm)	◆	-	-	-		--	--
W800		1 1/8" (29mm)	◆	-	-	-	270 - 271	--	--
W801		2 1/4" (57mm)	◆	-	-	-		--	--

◆ Pierced Available

\* Various hole patterns available, contact representative for more information



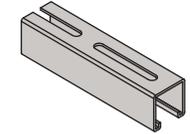
### Channel With Short Slots



9/16" x 1 1/8" (14mm x 29mm) Slots are punched on 2" (51mm) centers.

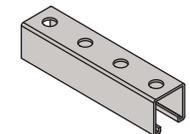
1 1/16" x 1 1/8" (18mm x 29mm) Slots are punched on 2" (51mm) centers.

### Channel With Long Slots



1 3/32" x 3" (10mm x 76mm) Slots are punched on 4" (102mm) centers.

### Channel With Holes



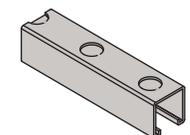
1 7/32" (13.5mm) Holes are punched on 1 1/2" (38mm) centers.

9/16" (14mm) Holes are punched on 1 7/8" (48mm) centers.

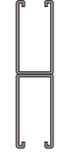
3/4" (19mm) Holes are punched on 1 7/8" (48mm) centers.

1 7/32" (13.5mm) Holes are punched on 8" (203mm) centers.

### Channel With Knock-Outs



7/8" (22mm) Knock-outs are punched on 6" (152mm) centers.

SPECIFYING Brand & Part No.	Channel Style	Area		Weight		I x		S x		Moment		Page	DISCONTINUED Brands & Part No.	
		In <sup>2</sup>	(cm <sup>2</sup> )	lbs / ft	(kg/m)	In <sup>4</sup>	(cm <sup>4</sup> )	In <sup>3</sup>	(cm <sup>3</sup> )	in-lbs	(N•m)		VERSABAR	FLORIDA STRUT
W151		1.804"	(11.64)	6.14	(9.1)	6.339"	(263.9)	1.951	(32.0)	48,180	(5,440)	56-59	VA11201	FS12314NSBB
W101		1.463"	(9.44)	4.98	(7.4)	2.867"	(119.3)	1.176	(19.3)	28,940	(3,270)	53-55	--	FS122716NSBB
W150		0.902"	(5.82)	3.07	(4.6)	1.113"	(46.3)	0.639	(10.5)	15,770	(1,780)	56-59	VA11	FS12314
W201		1.122"	(7.24)	3.82	(5.7)	0.954"	(39.7)	0.587	(9.6)	14,360	(1,620)	38-41	VA1201	FS12158NSBB
W301		1.017"	(6.56)	3.46	(5.1)	0.608"	(25.3)	0.443	(7.3)	10,810	(1,220)	42-43	VA6201	FS12138NSBB
W211		0.834"	(5.38)	2.84	(4.2)	0.739"	(30.8)	0.455	(7.5)	11,340	(1,280)	38-40	VA2201	FS14158NSBB
W100		0.732"	(4.72)	2.49	(3.7)	0.530"	(22.0)	0.400	(6.5)	9,820	(1,110)	53-55	--	FS122716NS
W200		0.561"	(3.62)	1.91	(2.8)	0.188"	(7.8)	0.207	(3.4)	5,070	(570)	38-41	VA1	FS12158NS
W901		0.807"	(5.21)	2.75	(4.1)	0.183"	(7.6)	0.209	(3.4)	5,060	(570)	47-49	--	FS12078NSBB
W300		0.508"	(3.28)	1.73	(2.6)	0.123"	(5.1)	0.158	(2.6)	3,840	(430)	42-43	VA6	FS12138NS
W210		0.417"	(2.69)	1.42	(2.1)	0.148"	(6.2)	0.169	(2.8)	4,060	(460)	38-40	VA2	FS14158NS
W801		0.859"	(5.54)	2.92	(4.3)	0.261"	(10.9)	0.261	(4.3)	3,610	(410)	44-46	VA10201	FS12100NSBB
W501		0.590"	(3.81)	2.01	(3.0)	0.122"	(5.1)	0.150	(2.4)	3,610	(410)	42-43	VA4201	FS141316NSBB
W800		0.430"	(2.77)	1.46	(2.2)	0.054"	(2.2)	0.093	(1.5)	3,610	(410)	44-46	VA10	FS12100NS
W900		0.403"	(2.60)	1.37	(2.0)	0.038"	(1.6)	0.074	(1.2)	1,800	(200)	47-49	--	FS12078NS
W500		0.295"	(1.90)	1.00	(1.5)	0.026"	(1.1)	0.056	(0.9)	1,360	(150)	50-52	VA4	FS141316NS
W601		0.214"	(1.38)	0.73	(1.1)	0.045"	(1.9)	0.056	(0.9)	1,390	(160)	60-61	--	--
W600		0.107"	(0.69)	0.36	(0.5)	0.009"	(0.4)	0.020	(0.3)	510	(60)	60-61	--	--
W701		0.149"	(0.96)	0.51	(0.8)	0.007"	(0.3)	0.018	(0.3)	450	(50)	62-63	--	--
W700		0.074"	(0.48)	0.25	(0.4)	0.002"	(0.1)	0.007	(0.1)	170	(20)	62-63	--	--

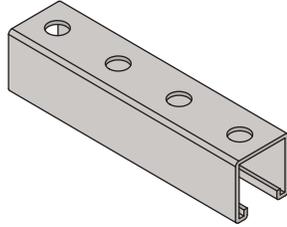
## Pierced Channel

### Channel with Holes

$1\frac{7}{32}$ " (13.5mm) Holes are punched on  $1\frac{1}{2}$ " (38mm) centers. **(H15)**

$\frac{9}{16}$ " (14mm) Holes are punched on  $1\frac{7}{8}$ " (48mm) centers. **(H)**

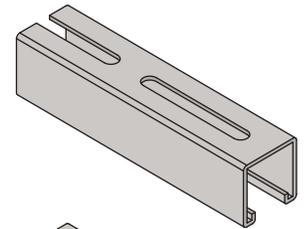
$\frac{3}{4}$ " (19mm) Holes are punched on  $1\frac{7}{8}$ " (48mm) centers. **(CX)**



### Channel with Long Slots (SL)

$1\frac{3}{32}$ " x 3" (10mm x 76mm)

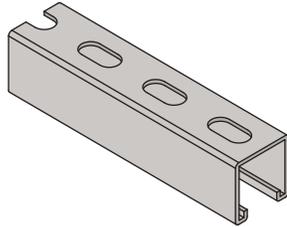
Slots are punched on 4" (102mm) centers.



### Channel with Short Slots

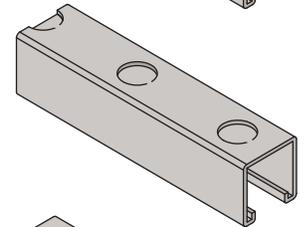
$\frac{9}{16}$ " x  $1\frac{1}{8}$ " (14mm x 29mm) Slots are punched on 2" (51mm) centers. **(EH)**

$1\frac{1}{16}$ " x  $1\frac{1}{8}$ " (18mm x 29mm) Slots are punched on 2" (51mm) centers. Allows for  $\frac{5}{8}$ " (16mm) threaded rod and bolts. **(EH58)**



### Channel with Knock-Outs (KO)

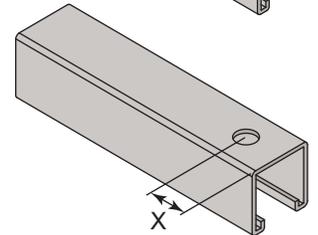
$\frac{7}{8}$ " (22mm) Knock-outs are punched on 6" (152mm) centers.



### Channel with Specialty Custom Perforations

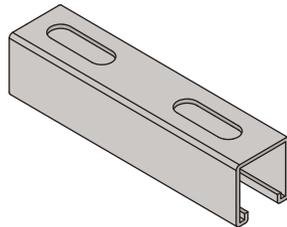
Designation is indicated by adding type of perforation from standard selection and pertinent dimensional information.

If used as a trapeze reference page 306.



### Channel with Slots Wide (SW)

$1\frac{1}{16}$ " x 2" (18mm x 51mm) Slots are punched on 3" (76mm) centers. Allows for  $\frac{5}{8}$ " (16mm) threaded rod and bolts.

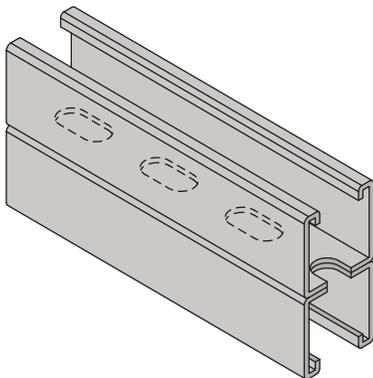


### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

Channel with Short Slots	.....0.90
Channel with Long Slots	.....0.90
Channel with Holes	.....0.95
Knock-Out Channel	.....0.95

## Pierced Combinations



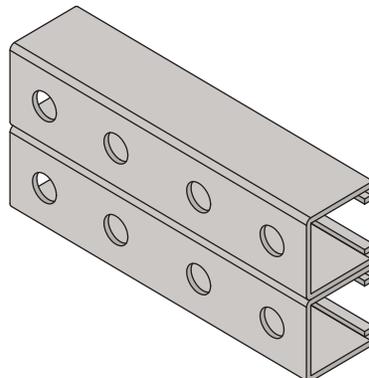
### Channel with Short Slots (EH)

$\frac{9}{16}$ " x  $1\frac{1}{8}$ " (14mm x 29mm)

Slots are punched on 2" (51mm) centers.

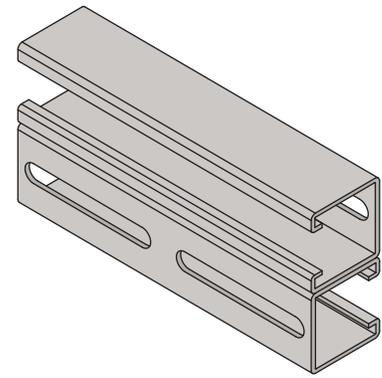
$1\frac{1}{16}$ " x  $1\frac{1}{8}$ " (18mm x 29mm)

Slots are punched on 2" (51mm) centers.



### Channel with Holes (H)

$\frac{9}{16}$ " (14mm) Holes are punched on  $1\frac{7}{8}$ " (48mm) centers.



### Channel with Long Slots (SL)

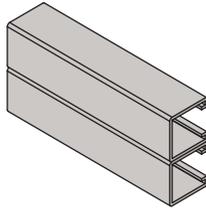
$1\frac{3}{32}$ " x 3" (10mm x 76mm)

Slots are punched on 4" (102mm) centers.

## 1-5/8" x 1-5/8" (41mm x 41mm) Channel Shown

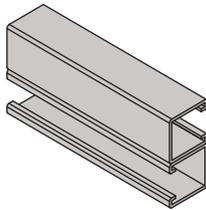
1-5/8" x 3-1/4" (41mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W202	VA1202	--



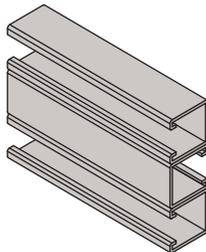
1-5/8" x 3-1/4" (41mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W203	VA1203	--



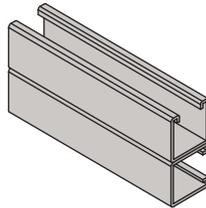
1-5/8" x 4-7/8" (41mm x 124mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W203B3	VA1303	--



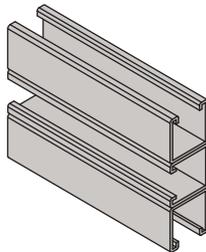
1-5/8" x 3-1/4" (41mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W204	VA1204	--



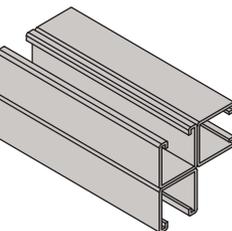
1-5/8" x 4-7/8" (41mm x 124mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W204A3	VA1302	--



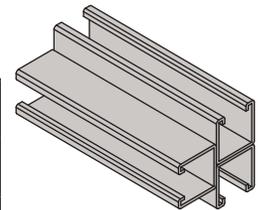
3-1/4" x 3-1/4" (83mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W205	VA1304	--



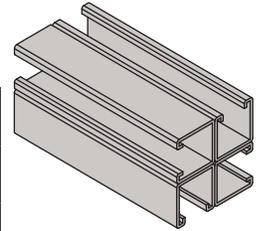
3-1/4" x 3-1/4" (83mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W206	VA1308	--



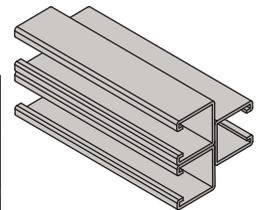
3-1/4" x 3-1/4" (83mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W207	VA1401	--



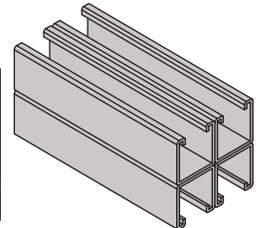
3-1/4" x 3-1/4" (83mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W208	VA1308	--



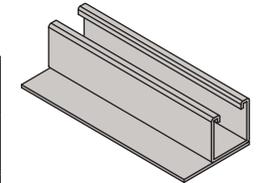
3-1/4" x 3-1/4" (83mm x 83mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W209	VA1402	--



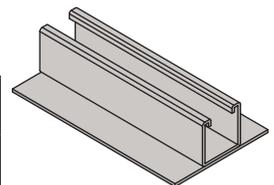
2-13/16" x 1-3/4" (71mm x 46mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W220	VA1209	--



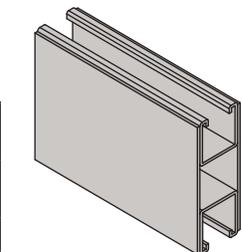
4" x 1-3/4" (102mm x 46mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W221	VA1208	--



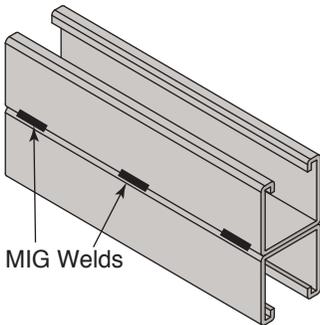
1-7/8" x 4-7/8" (48mm x 124mm)

SPECIFYING Brand & Part No.		
DISCONTINUED Brands & Part No.		
WESANCO	VERSABAR	FLORIDA STRUT
W222	VA1405	--



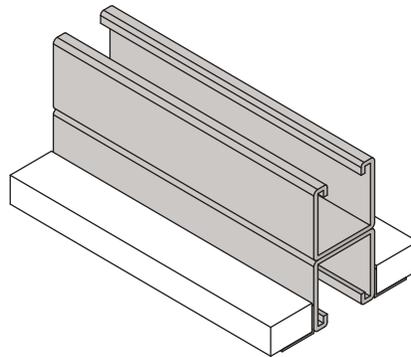
Additional combination configurations are available. Combinations can be made in other channel sizes.

## Specialty Combinations

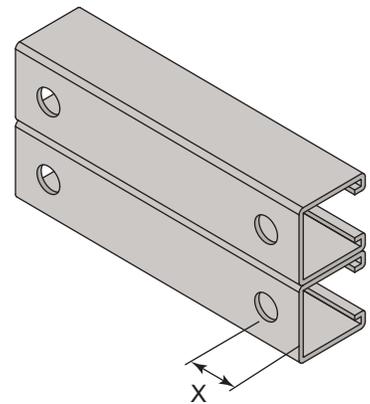


MIG Welds

**MIG Welded To Meet Specific Engineering Request**



**Combination/ Ceiling Support**



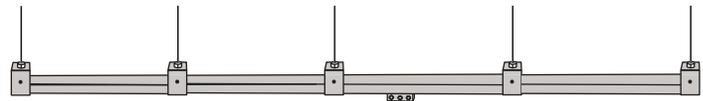
**Channel Custom Pierced**

## Channel for Trolley Systems

The trolley system moves equipment from 10 to 600 lbs. (4.5kg to 272.2kg), with reliability, ease, and economy. Trolleys can be ganged to accommodate higher loads. Trolleys, featuring corrosion-free stainless wheel bearings and steel or acetyl wheels that require no lubrication, deliver built-in value and dependability for a wide range of applications. Throughout the system, famous quality assures dependable, trouble-free performance.

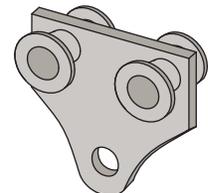
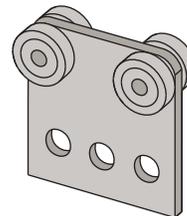
Composed of three basic elements; trolleys, track, and supports. Trolley systems are efficient and economical. Different trolleys give users a wide range of weight capacities and suspension options, to allow tailoring of the system to exact application needs.

Track is available in 20 foot (6.1m) sections and can be easily field cut according to project requirements. Longer lengths are available on special order. A complete system of easy-to-use supports, including beam clamps, make installation a breeze.



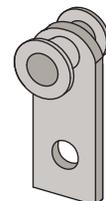
Four Wheel Trolley

Four Wheel Trolley



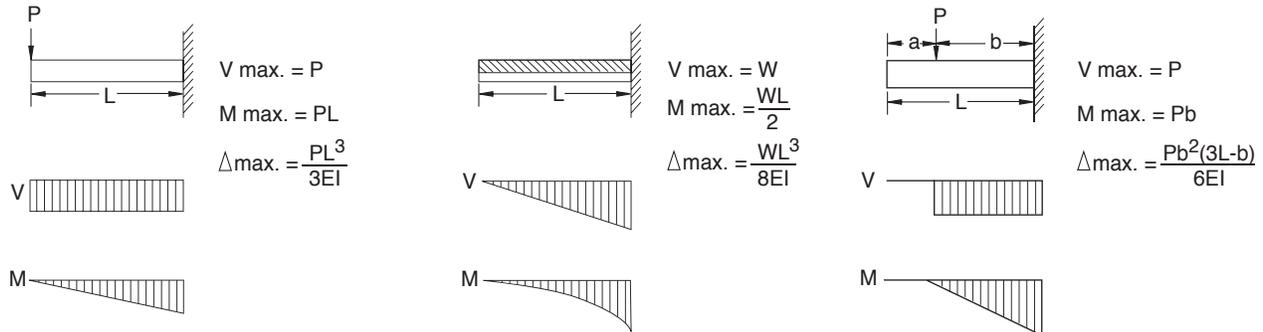
Two Wheel Trolley

Two Wheel Trolley

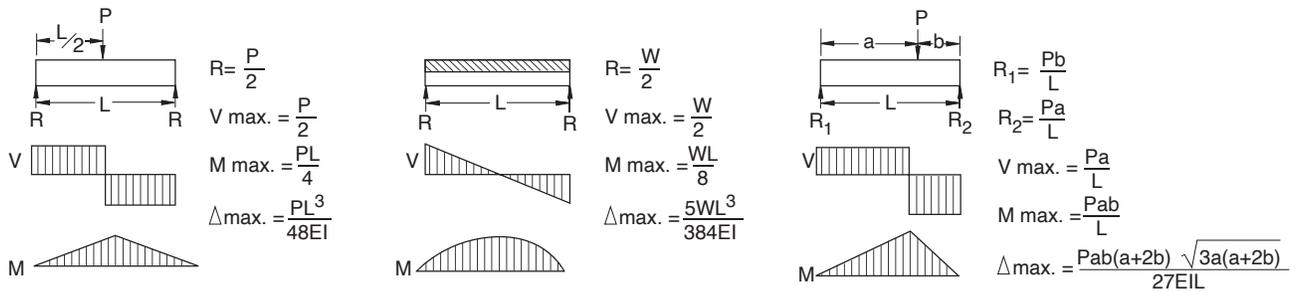


See pages 107 - 108 for more trolley information

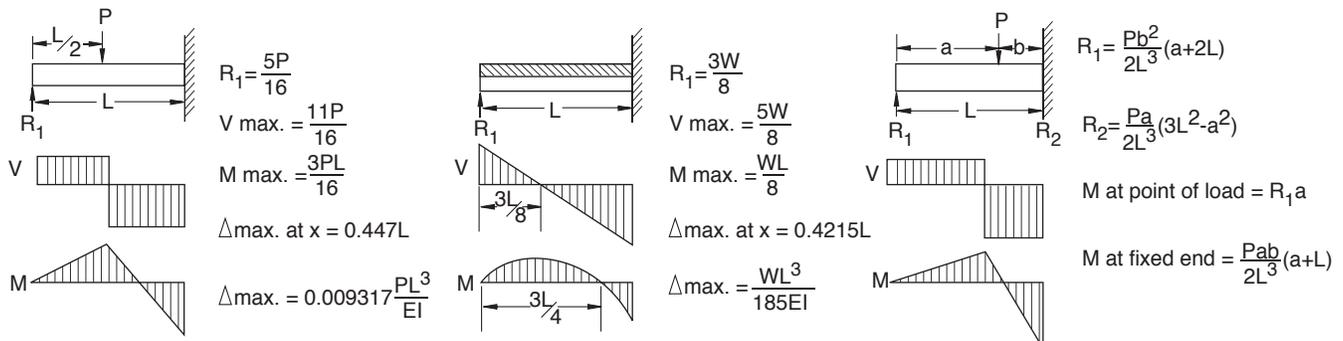
## Cantilever Beams



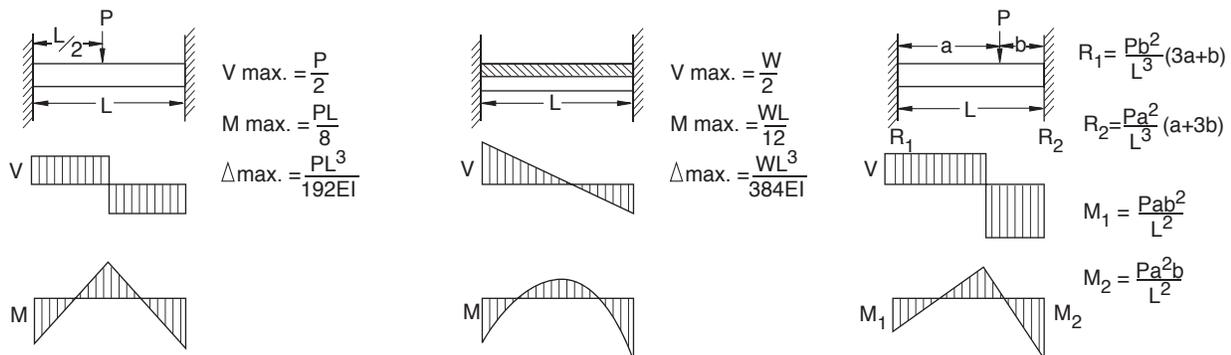
## Simple Beams



## Beams Fixed At One End & Supported At The Other



## Beams Fixed At Both Ends



R – Reaction  
 M – Moment  
 P – Concentrated Load

W – Total Uniform Load  
 V – Shear  
 L – Length

$\Delta$  – Deflection  
 E – Modulus of Elasticity  
 I – Moment of Inertia

All Beam Load tables are for simple beams supported at the ends. These can be used in the majority of the cases. There are times when it is necessary to know what happens with other loading and support conditions. Some common arrangements are shown below. Simply multiply the values from the Beam Load tables by factors given below.

Load and Support Condition		Load Factor	Deflection Factor
<b>Simple Beam</b> Uniform Load		1.00	1.00
<b>Simple Beam</b> Concentrated Load at Center		0.50	0.80
<b>Simple Beam</b> Two Equal Concentrated Loads at 1/4 Points		1.00	1.10
<b>Beam Fixed at Both Ends</b> Uniform Load		1.50	0.30
<b>Beam Fixed at Both Ends</b> Concentrated Load at Center		1.00	0.40
<b>Cantilever Beam</b> Uniform Load		0.25	2.40
<b>Cantilever Beam</b> Concentrated Load at End		0.12	3.20
<b>Continuous Beam</b> Two Equal Spans - Uniform Load on One Span		1.30	0.92
<b>Continuous Beam</b> Two Equal Spans - Uniform Load on Both Spans		1.00	0.42
<b>Continuous Beam</b> Two Equal Spans - Concentrated Load at Center of One Span		0.62	0.71
<b>Continuous Beam</b> Two Equal Spans - Concentrated Load at Center of Both Spans		0.67	0.48

**EXAMPLE I**

**PROBLEM:**  
Calculate the load and deflection of an W200 (1 $\frac{5}{8}$ " x 1 $\frac{5}{8}$ " 12 gauge) beam continuous over one support and loaded uniformly on one span.

**SOLUTION:**

A. From load table for W200 the load for a 60" span is 700 lbs. and deflection is 0.35".

B. Multiply by factors from Table above  
Load = 700 lb. x 1.30 = 910 lbs.  
Deflection = 0.35" x 0.92 = 0.322"

**EXAMPLE II**

**PROBLEM:**  
Determine load and deflection of an W150 (1 $\frac{5}{8}$ " x 3 $\frac{1}{4}$ " 12 gauge) cantilever beam with a concentrated load on the end.

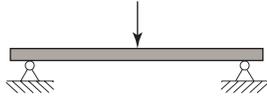
**SOLUTION:**

A. From load table for W150 the load for a 24" span is 5,360 lbs. and deflection is 0.09".

B. Multiply by factors from Table above.  
Load = 5,360 lbs. x 0.12 = 643.2 lbs.  
Deflection = 0.09" x 3.20 = 0.288"

Beams are structural members loaded at right angles (perpendicular) to their length. Most beams are horizontal and subjected to gravity or vertical loads, e.g. a shelf support. However a vertical member can act as a beam under certain conditions, such as, a curtain wall mullion subjected to wind loading. The bending moment developed in a beam is dependent on:

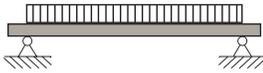
- (a) The amount of load applied
- (b) The type of loading applied
- (c) The support conditions



## Beam Loading - Point Load

A load concentrated onto a very small length of the beam is a point load.

## Beam Loading - Uniform Load



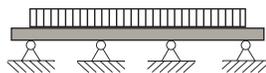
A load spread evenly over a relatively long length of the beam is a uniform load.

Point and uniform loads can be placed on a beam in any combination. A series of point loads can approximate a uniform loading. The load charts and tables are based on a uniform load unless identified otherwise.

## Support Conditions - Simple Beam

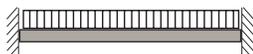
A simple beam has supports that prevent movement left and right, or up and down, but do not restrain the beam from rotating at the supports into a natural deflected curve. Most connections produce simple beams. The load charts and tables are based on simple beams unless identified otherwise.

## Support Conditions - Continuous Beam



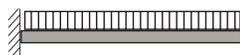
Any simple beam that is supported at one or more intermediate points is a continuous beam. A mezzanine joist that passes over three or more columns is an example of a continuous beam.

## Support Conditions - Fixed-End Beam



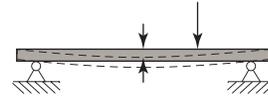
Supports that prevent the beam from rotating into a natural deflected curve produce a fixed-end beam. A welded end connection to very rigid support produces a fixed-end beam.

## Support Conditions - Cantilever Beam



A cantilever beam is a fixed-end beam that is supported at one end only, while the other end is unsupported. Brackets are examples of cantilever beams.

## Deflection



All beams deflect under load. The amount of deflection is dependent on:

- (a) The amount of load,
- (b) The support conditions,
- (c) The stiffness of the beam's cross-sectional shape,
- (d) The stiffness of the beam material

The stiffness of the beam's cross-sectional shape is measured by its "Moment Of Inertia" or "I". The larger a beam's "I", the stiffer it is and the less it will deflect. A beam's "I" can change for each major axis. The "I" of both major axes (I 1-1 and I 2-2) are provided.

The stiffness of a beam's material is measured by its "Modulus of Elasticity" or "E". The larger a material's "E", the stiffer it is and the less it deflects. For example, steel is about three times stiffer than aluminum and as a result, deflects only one-third as much. Do not confuse stiffness with strength. Two materials may have identical strengths yet still have different "E's". A high-strength aluminum may be as strong as steel and still deflect three times as much.

The load charts and tables give calculated deflections for the loads shown. In many cases, a final design will be determined by the maximum deflection, not the maximum load.

## Bending Moment

A beam must not only hold up the anticipated loads, but must also have sufficient additional capacity to safely hold unforeseen variations in applied loads and material strengths. This additional capacity is called a safety factor and is usually regulated by the various design codes and standards. A beam's strength is usually measured by an allowable bending moment or an allowable stress. The traditional approach is the allowable stress method, where a beam is determined to have a maximum allowable stress (in pounds per square inch) which is not to be exceeded.

The approach of the current AISI S100-2016 "Specification For The Design Of Cold-Formed Steel Structural Members" is to use a maximum allowable bending moment (in inch-pounds) which is not to be exceeded. Bending moment divided by a beam's section modulus or "S" equals stress.



Columns are structural members that are loaded parallel to their length. Most columns are vertical and are used to carry loads from a higher level to a lower level. However, any member subjected to compression loads, such as a diagonal or prop brace, is a column.

A column fails by “buckling”, which is a sudden loss of straightness and subsequent collapse. Allowable column load is dependent on:

- (a) The length of column
- (b) The type of loading
- (c) The support conditions
- (d) The column’s cross-sectional shape and material.

## Column Length

The column length is measured from braced point to braced point. A braced point is where the column is restrained from lateral movement (translation) in all directions.

## Column Loading – Concentric Loading

Loads applied to the center of gravity of the column cross-section are considered concentric. A beam that passes over and rests on the top of a column is an example of concentric loading.

## Column Loading – Eccentric Loading

Any load which is not concentric is eccentric. The amount of eccentricity (in inches) has a major effect on the load-carrying capacity of any particular column. A load that is transmitted to a column using a standard fitting bolted to the slot face, is considered eccentric.

The load tables give allowable loads for both concentric (loaded at C G ) and certain eccentric (loaded at slot face) loading. Allowable loads for other eccentric loading must be determined by a qualified design professional.

## Support Conditions

Based on the support conditions, an appropriate “K” value is selected. This “K” value, which mathematically describes the column end conditions, is used in the column design equations. The most common support condition combinations are as follows:

### Support Conditions - Fixed Top – Fixed Bottom

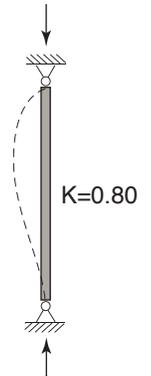
Both ends are restrained against rotation and lateral movement (translation).



### Support Conditions - Pinned Top – Fixed Bottom

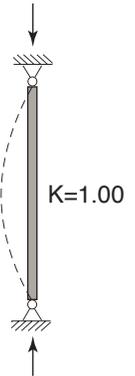
The top is restrained against lateral movement (translation) but is allowed to rotate. The bottom is restrained against rotation and lateral movement.

This is a common support condition and is used to construct the allowable column load applied at the Slot Face tables.



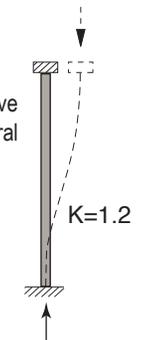
### Support Conditions - Pinned Top – Pinned Bottom

Both ends are restrained against lateral movement (translation) but, are allowed to rotate.



### Support Conditions - Fixed / Free Top – Fixed Bottom

The top is restrained against rotation, but is allowed to move laterally. The bottom is restrained against rotation and lateral movement (translation).



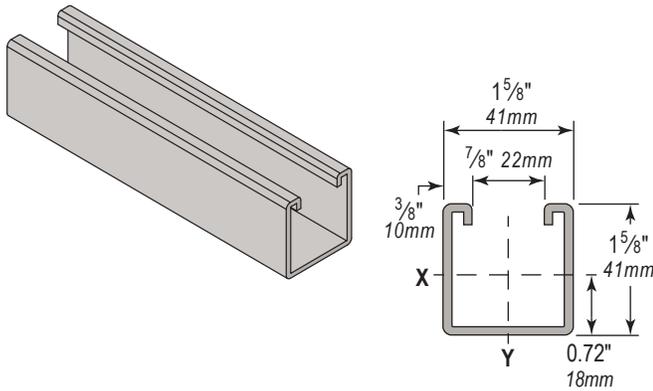
## Cross-Sectional Shape

The cross-sectional shape of a column member determines the value of its “Radius of Gyration” or “r”. In general, a member with a large “r” makes a better column than a member with a small “r”. Each axis of a column has a different “r”. Typically the axis with the smallest “r” determines the final design.



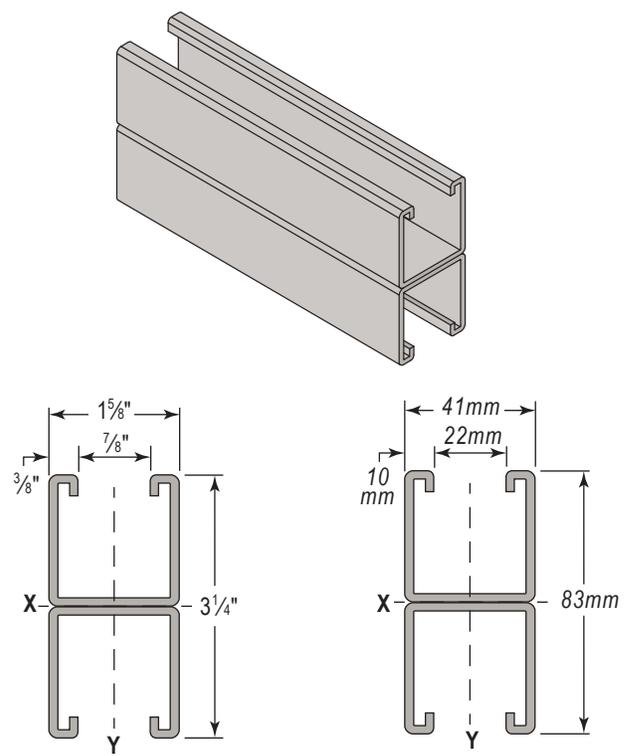
- Introduction
- Channel
- Channel Nuts & Hardware
- General Fittings
- Brackets
- Beam Clamps
- Pipe & Conduit Supports
- Electrical Fittings
- Spring Steel
- Concrete Inserts
- Roofing Supports
- Fiberglass System
- Technical Data

## 1-5/8" x 1-5/8" (41mm x 41mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 1-5/8"
		VERSABAR	FLORIDA STRUT	
<b>WESANCO</b>				
<b>Solid Channel</b>				
W200	12 Ga.	VA1	FS12158NS	
W210	14 Ga.	VA2	FS14158NS	
<b>Channel with 17/32" Holes on 1-1/2" center</b>				
W200H15	12 Ga.	VA1P15	--	
W210H15	14 Ga.	VA2P15	--	
<b>Channel with 9/16" Holes on 1-7/8" center *</b>				
W200H	12 Ga.	VA1P187	FS12158HS	
W210H	14 Ga.	VA2P187	FS14158HS	
<b>Channel with 3/4" Holes on 1-7/8" center</b>				
W200CX	12 Ga.	VA1CHD	--	
<b>Channel with Knock-Outs on 6" center *</b>				
W200KO	12 Ga.	VA1KO6	--	
W210KO	14 Ga.	VA2KO6	--	
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>				
W200EH	12 Ga.	VA1PLH	FS12158EH	
W210EH	14 Ga.	VA2PLH	FS14158EH	
<b>Channel with 11/16" x 1-1/8" Short Slots on 2" center Allows use with 5/8" threaded rod or bolts</b>				
W200EH58	12 Ga.	VA1PLW	--	
W210EH58	14 Ga.	VA2PLW	--	
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>				
W200SL	12 Ga.	VA1P3S	FS12158SL	
W210SL	14 Ga.	VA2P3S	FS14158SL	

## 1-5/8" x 3-1/4" (41mm x 83mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 3-1/4"
		VERSABAR	FLORIDA STRUT	
<b>WESANCO</b>				
<b>Back-to-Back Solid Channel</b>				
W201	12 Ga.	VA1201	FS12158NSBB	
W211	14 Ga.	VA2201	FS14158NSBB	
<b>Back-to-Back Channel with 9/16" Holes on 1-7/8" center *</b>				
W201H	12 Ga.	VA1201P187	FS12158HSBB	
W211H	14 Ga.	VA2201P187	FS14158HSBB	
<b>Back-to-Back with 9/16" x 1-1/8" Short Slots</b>				
W201EH	12 Ga.	VA1201PLH	FS12158EHBB	
W211EH	14 Ga.	VA2201PLH	FS14158EHBB	
<b>Back-to-Back with 11/16" x 1-1/8" Short Slots</b>				
W201EH58	12 Ga.	VA1201PLW	--	
W211EH58	14 Ga.	VA2201PLW	--	

\* Various patterns available, contact representative for more information

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



# 1-5/8" x 1-5/8" (41mm x 41mm) Channel



## 12 Gauge Channel Load Data

### Section Properties

12 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			lx in. <sup>4</sup> (lx cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	ly in. <sup>4</sup> (ly cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1 5/8" x 1 5/8" (41mm x 41mm) 12 Gauge Channel</b>										
W200	1.91 (2.84)	0.561 (3.62)	0.188 (7.83)	0.207 (3.39)	0.579 (1.47)	0.238 (9.91)	0.293 (4.80)	0.652 (1.66)	VA1	FS12158NS
<b>1 5/8" x 3 1/4" (41mm x 83mm) 12 Gauge Back-to-Back Channel</b>										
W201	3.82 (5.68)	1.122 (7.24)	0.954 (39.71)	0.587 (9.62)	0.922 (2.34)	0.477 (19.85)	0.587 (9.62)	0.652 (1.66)	VA1201	FS12158NSBB

### 1 5/8" x 1 5/8" (41mm x 41mm) 12 Gauge Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	3,480 (15.5)	0.01 (0.25)	3,480 (15.5)	1.00
24 (610)	1,740 (7.7)	0.06 (1.52)	1,740 (7.7)	1.00
36 (914)	1,160 (5.2)	0.13 (3.30)	1,160 (5.2)	0.93
48 (1,219)	870 (3.9)	0.23 (5.84)	770 (3.4)	0.87
60 (1,524)	700 (3.1)	0.35 (8.89)	490 (2.2)	0.82
72 (1,829)	580 (2.6)	0.51 (12.95)	340 (1.5)	0.77
84 (2,134)	500 (2.2)	0.7 (17.78)	250 (1.1)	0.74
96 (2,438)	430 (1.9)	0.89 (22.61)	190 (0.8)	0.70
108 (2,743)	390 (1.7)	1.15 (29.21)	150 (0.7)	0.67
120 (3,048)	350 (1.6)	1.42 (36.07)	120 (0.5)	0.65

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	3,870 (17.2)	11,640 (51.8)
24 (610)	3,620 (16.1)	8,830 (39.3)
36 (914)	3,250 (14.5)	6,420 (28.6)
48 (1,219)	2,800 (12.5)	4,710 (21.0)
60 (1,524)	2,410 (10.7)	3,650 (16.2)
72 (1,829)	2,110 (9.4)	2,970 (13.2)
84 (2,134)	1,870 (8.3)	2,490 (11.1)
96 (2,438)	1,680 (7.5)	2,120 (9.4)
108 (2,743)	1,530 (6.8)	1,830 (8.1)
120 (3,048)	1,390 (6.2)	**

### 1 5/8" x 3 1/4" (41mm x 83mm) 12 Gauge Back-to-Back Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	3,510 (15.6) *	0.00	3,510 (15.6) *	1.00
24 (610)	3,510 (15.6) *	0.02 (0.51)	3,510 (15.6) *	1.00
36 (914)	3,280 (14.6)	0.07 (1.78)	3,280 (14.6)	1.00
48 (1,219)	2,460 (10.9)	0.13 (3.30)	2,460 (10.9)	1.00
60 (1,524)	1,970 (8.8)	0.20 (5.08)	1,970 (8.8)	0.96
72 (1,829)	1,640 (7.3)	0.28 (7.11)	1,640 (7.3)	0.92
84 (2,134)	1,410 (6.3)	0.39 (9.91)	1,280 (5.7)	0.88
96 (2,438)	1,230 (5.5)	0.50 (12.70)	980 (4.4)	0.85
108 (2,743)	1,090 (4.8)	0.64 (16.26)	770 (3.4)	0.81
120 (3,048)	980 (4.4)	0.78 (19.81)	630 (2.8)	0.77

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	6,700 (29.8)	25,120 (111.7)
24 (610)	6,580 (29.3)	22,900 (101.9)
36 (914)	6,430 (28.6)	20,810 (92.6)
48 (1,219)	6,290 (28.0)	18,860 (83.9)
60 (1,524)	6,130 (27.3)	15,680 (69.7)
72 (1,829)	5,730 (25.5)	12,520 (55.7)
84 (2,134)	5,270 (23.4)	9,570 (42.6)
96 (2,438)	4,770 (21.2)	7,320 (32.6)
108 (2,743)	4,240 (18.9)	5,790 (25.8)
120 (3,048)	3,750 (16.7)	4,690 (20.9)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

Channel with Short Slots	0.90
Channel with Long Slots	0.90
Channel with Holes	0.95
Knock-Out Channel	0.95



### Section Properties

14 Gauge SPECIFYING Brand & Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1-5/8" x 1-5/8" (41mm x 41mm) 14 Gauge Channel</b>										
W210	1.42 (2.11)	0.417 (2.69)	0.148 (6.16)	0.169 (2.77)	0.596 (1.51)	0.183 (7.62)	0.225 (3.69)	0.662 (1.68)	VA2	FS14158NS
<b>1-5/8" x 3-1/4" (41mm x 83mm) 14 Gauge Back-to-Back Channel</b>										
W211	2.84 (4.23)	0.834 (5.38)	0.739 (30.76)	0.455 (7.46)	0.942 (2.39)	0.365 (15.19)	0.450 (7.37)	0.662 (1.68)	VA2201	FS14158NSBB

### 1-5/8" x 1-5/8" (41mm x 41mm) 14 Gauge Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	2,840 (12.6)	0.01 (0.25)	2,840 (12.6)	1.00
24 (610)	1,420 (6.3)	0.06 (1.52)	1,420 (6.3)	0.99
36 (914)	950 (4.2)	0.13 (3.30)	950 (4.2)	0.88
48 (1,219)	710 (3.2)	0.23 (5.84)	610 (2.7)	0.77
60 (1,524)	570 (2.5)	0.37 (9.40)	390 (1.7)	0.66
72 (1,829)	470 (2.1)	0.52 (13.21)	270 (1.2)	0.57
84 (2,134)	410 (1.8)	0.72 (18.29)	200 (0.9)	0.50
96 (2,438)	350 (1.6)	0.92 (23.37)	150 (0.7)	0.45
108 (2,743)	320 (1.4)	1.20 (30.48)	120 (0.5)	0.41
120 (3,048)	280 (1.2)	1.44 (36.58)	100 (0.4)	0.38

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	3,110 (13.8)	8,660 (38.5)
24 (610)	2,880 (12.8)	6,360 (28.3)
36 (914)	2,460 (10.9)	4,190 (18.6)
48 (1,219)	1,980 (8.8)	2,760 (12.3)
60 (1,524)	1,570 (7.0)	2,050 (9.1)
72 (1,829)	1,300 (5.8)	1,640 (7.3)
84 (2,134)	1,100 (4.9)	1,370 (6.1)
96 (2,438)	950 (4.2)	1,170 (5.2)
108 (2,743)	840 (3.7)	1,030 (4.6)
120 (3,048)	750 (3.3)	**

### 1-5/8" x 3-1/4" (41mm x 83mm) 14 Gauge Back-to-Back Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	2,230 (9.9) *	0.00	2,230 (9.9) *	1.00
24 (610)	2,230 (9.9) *	0.02 (0.51)	2,230 (9.9) *	1.00
36 (914)	2,230 (9.9) *	0.06 (1.52)	2,230 (9.9) *	1.00
48 (1,219)	1,910 (8.5)	0.13 (3.30)	1,910 (8.5)	0.98
60 (1,524)	1,530 (6.8)	0.20 (5.08)	1,530 (6.8)	0.93
72 (1,829)	1,270 (5.6)	0.28 (7.11)	1,270 (5.6)	0.87
84 (2,134)	1,090 (4.8)	0.39 (9.91)	1,090 (4.8)	0.81
96 (2,438)	950 (4.2)	0.50 (12.70)	950 (4.2)	0.76
108 (2,743)	850 (3.8)	0.64 (16.26)	850 (3.8)	0.70
120 (3,048)	760 (3.4)	0.78 (19.81)	760 (3.4)	0.64

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	5,140 (22.9)	18,700 (83.2)
24 (610)	5,040 (22.4)	16,860 (75.0)
36 (914)	4,890 (21.8)	14,760 (65.7)
48 (1,219)	4,720 (21.0)	12,920 (57.5)
60 (1,524)	4,500 (20.0)	11,480 (51.1)
72 (1,829)	4,230 (18.8)	9,280 (41.3)
84 (2,134)	3,890 (17.3)	7,080 (31.5)
96 (2,438)	3,490 (15.5)	5,420 (24.1)
108 (2,743)	3,060 (13.6)	4,280 (19.0)
120 (3,048)	2,690 (12.0)	3,470 (15.4)

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

- Channel with Short Slots . . . . . 0.90
- Channel with Long Slots . . . . . 0.90
- Channel with Holes . . . . . 0.95
- Knock-Out Channel. . . . . 0.95



# Pre-Cut Channel - 12 Gauge



1-5/8" x 1-5/8" (41mm x 41mm)

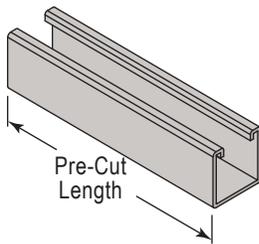
1-5/8" x 1-5/8" (41mm x 41mm)  
Solid or Short Slots Channel  
Pre-Cut Lengths



Solid Channel

Channel With Short Slots

9/16" x 1-1/8" (14mm x 29mm)  
Slots are punched on  
2" (51mm) centers.

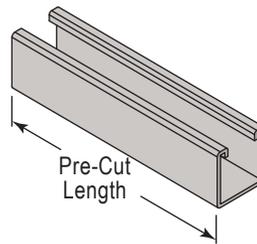


1-5/8" x 3-1/4" (41mm x 83mm)  
Solid Combination Channel  
Pre-Cut Lengths



Back-to-Back

Side-to-Side



Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
6" (15.2cm)	W200 XXXXX XXXX	
12" (0.31m)	Style: W200 - Solid W200EH - Short Slots	Length: 06IN 48IN
18" (0.45m)		12IN 54IN
24" (0.61m)		18IN 60IN
30" (0.76m)		24IN 72IN
36" (0.91m)		30IN 80IN
42" (1.07m)	Material/Finish: PG - Pre-Galvanized S4 - Stainless Steel Type 304 S6 - Stainless Steel Type 316	36IN 96IN
48" (1.22m)		42IN
54" (1.37m)		
60" (1.52m)		
72" (1.83m)		
80" (2.03m)	EXAMPLE: W200S648IN	
96" (2.44m)	1-5/8" x 1-5/8" W200 - Solid Channel	48IN - 48" Long
10' (3.05m)		
20' (6.10m)		S6 - 316 Stainless Steel

Note: Minimum order quantity is 100 pieces for any size under 10'.

Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
6" (15.2cm)	W201 XXXXX XXXX	
12" (0.31m)	Style: W201 - Back-to-Back W202 - Side-to-Side	Length: 06IN 48IN
18" (0.45m)		12IN 54IN
24" (0.61m)		18IN 60IN
30" (0.76m)		24IN 72IN
36" (0.91m)	Material/Finish: PG - Pre-Galvanized S4 - Stainless Steel Type 304 S6 - Stainless Steel Type 316	30IN 80IN
42" (1.07m)		36IN 96IN
48" (1.22m)		42IN
54" (1.37m)		
60" (1.52m)		
72" (1.83m)		
80" (2.03m)	EXAMPLE: W202S648IN	
96" (2.44m)	1-5/8" x 3-1/4" W202 - Side-to-Side	48IN - 48" Long
10' (3.05m)		
20' (6.10m)		S6 - 316 Stainless Steel

Note: Minimum order quantity is 100 pieces for any size under 10'.

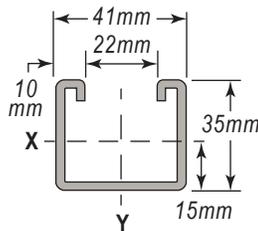
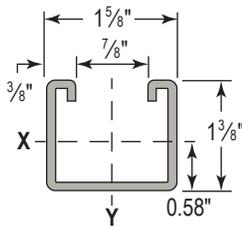
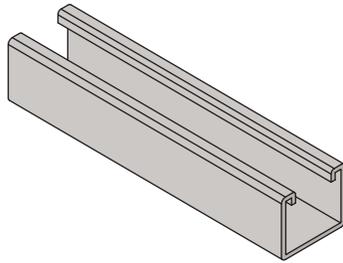
Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available

**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum

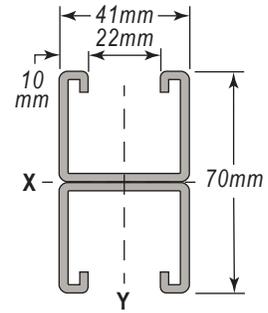
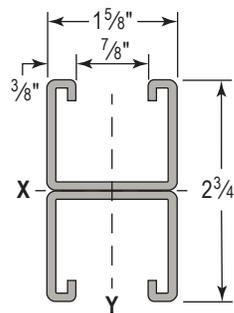
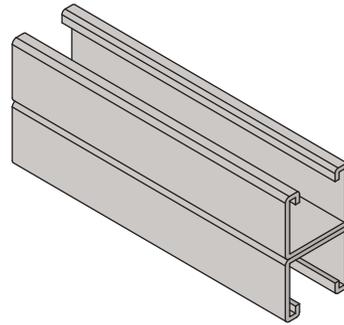
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



## 1-5/8" x 1-3/8" (41mm x 35mm)



## 1-5/8" x 2-3/4" (41mm x 70mm)



SPECIFYING Brand & Part No.				DISCONTINUED Brands & Part No.	1-5/8" x 1-3/8"
WESANCO	Gauge	VERSABAR   FLORIDA STRUT			
		<b>Solid Channel</b>			
W300	12 Ga.	VA6	FS12138NS		
<b>Channel with 9/16" Holes on 1-7/8" center *</b>					
W300H	12 Ga.	VA6P187	FS12138HS		
<b>Channel with Knock-Outs on 6" center *</b>					
W300KO	12 Ga.	VA6KO6	--		
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>					
W300EH	12 Ga.	VA6PLH	FS12138EH		
<b>Channel with 11/16" x 1-1/8" Short Slots on 2" center</b>					
W300EH58	12 Ga.	VA6PLW	--		
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>					
W300SL	12 Ga.	VA6P3S	FS12138SL		

\* Various hole patterns available, contact representative for more information

SPECIFYING Brand & Part No.				DISCONTINUED Brands & Part No.	1-5/8" x 2-3/4"
WESANCO	Gauge	VERSABAR   FLORIDA STRUT			
		<b>Back-to-Back Solid Channel</b>			
W301	12 Ga.	VA6201	FS12138NSBB		
<b>Back-to-Back with 9/16" x 1-1/8" Short Slots</b>					
W301EH	12 Ga.	VA6201PLH	FS12138EHBB		
<b>Back-to-Back with 11/16" x 1-1/8" Short Slots</b>					
W301EH58	12 Ga.	VA6201PLW	--		

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available

**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum

**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



# 1-5/8" x 1-3/8" (41mm x 35mm) Channel



## 12 Gauge Channel Load Data

### Section Properties

12 Gauge SPECIFYING Brand & Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			lx in. <sup>4</sup> (lx cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	ly in. <sup>4</sup> (ly cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1 5/8" x 1 3/8" (41mm x 35mm) 12 Gauge Channel</b>										
<b>W300</b>	1.73 (2.57)	0.508 (3.28)	0.123 (5.12)	0.158 (2.59)	0.491 (1.25)	0.208 (8.66)	0.256 (4.20)	0.64 (1.63)	VA6	FS12138NS
<b>1 5/8" x 2 3/4" (41mm x 70mm) 12 Gauge Back-to-Back Channel</b>										
<b>W301</b>	3.46 (5.15)	1.017 (6.56)	0.608 (25.31)	0.443 (7.26)	0.774 (1.97)	0.416 (17.32)	0.512 (8.39)	0.64 (1.63)	VA6201	FS12138NSBB

### 1 5/8" x 1 3/8" (41mm x 35mm) 12 Gauge Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	2,650 (11.8)	0.02 (0.5)	2,650 (11.8)	1.00
24 (610)	1,320 (5.9)	0.07 (1.8)	1,320 (5.9)	1.00
36 (914)	880 (3.9)	0.15 (3.8)	880 (3.9)	0.96
48 (1,219)	660 (2.9)	0.26 (6.6)	500 (2.2)	0.91
60 (1,524)	530 (2.4)	0.41 (10.4)	320 (1.4)	0.87
72 (1,829)	440 (2.0)	0.59 (15.0)	220 (1.0)	0.84
84 (2,134)	380 (1.7)	0.81 (20.6)	160 (0.7)	0.81
96 (2,438)	330 (1.5)	1.05 (26.7)	130 (0.6)	0.78
108 (2,743)	290 (1.3)	1.31 (33.3)	100 (0.4)	0.76
120 (3,048)	260 (1.2)	1.62 (41.1)	80 (0.4)	0.74

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	3,480 (15.5)	10,550 (46.9)
24 (610)	3,260 (14.5)	8,150 (36.3)
36 (914)	2,980 (13.3)	6,180 (27.5)
48 (1,219)	2,640 (11.7)	4,760 (21.2)
60 (1,524)	2,340 (10.4)	3,720 (16.5)
72 (1,829)	2,080 (9.3)	3,010 (13.4)
84 (2,134)	1,860 (8.3)	2,470 (11.0)
96 (2,438)	1,680 (7.5)	1,890 (8.4)
108 (2,743)	1,480 (6.6)	**
120 (3,048)	1,280 (5.7)	**

### 1 5/8" x 2 3/4" (41mm x 70mm) 12 Gauge Back-to-Back Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	3,070 (13.7) *	0.00	3,070 (13.7) *	1.00
24 (610)	3,070 (13.7) *	0.03 (0.5)	3,070 (13.7) *	1.00
36 (914)	2,480 (11.0)	0.08 (1.8)	2,480 (11.0)	1.00
48 (1,219)	1,860 (8.3)	0.15 (3.8)	1,860 (8.3)	1.00
60 (1,524)	1,490 (6.6)	0.23 (5.8)	1,490 (6.6)	0.98
72 (1,829)	1,240 (5.5)	0.34 (8.6)	1,110 (4.9)	0.95
84 (2,134)	1,060 (4.7)	0.46 (11.7)	810 (3.6)	0.91
96 (2,438)	930 (4.1)	0.60 (15.2)	620 (2.8)	0.88
108 (2,743)	830 (3.7)	0.76 (19.3)	490 (2.2)	0.85
120 (3,048)	740 (3.3)	0.93 (23.6)	400 (1.8)	0.82

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	6,000 (26.7)	22,700 (101.0)
24 (610)	5,890 (26.2)	20,730 (92.2)
36 (914)	5,770 (25.7)	19,080 (84.9)
48 (1,219)	5,670 (25.2)	16,850 (75.0)
60 (1,524)	5,470 (24.3)	13,900 (61.8)
72 (1,829)	5,150 (22.9)	10,990 (48.9)
84 (2,134)	4,740 (21.1)	8,320 (37.0)
96 (2,438)	4,280 (19.0)	6,370 (28.3)
108 (2,743)	3,800 (16.9)	5,030 (22.4)
120 (3,048)	3,370 (15.0)	4,070 (18.1)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

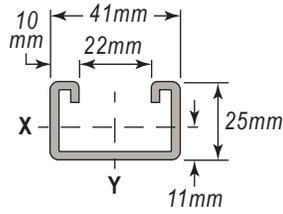
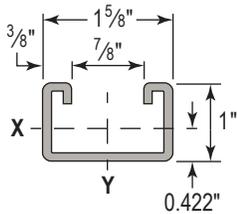
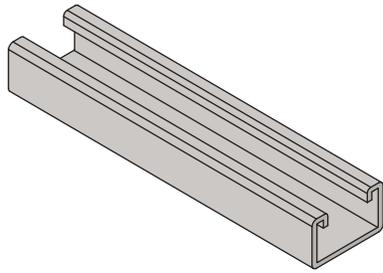
#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

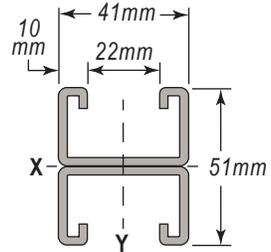
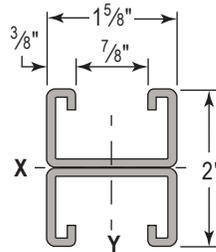
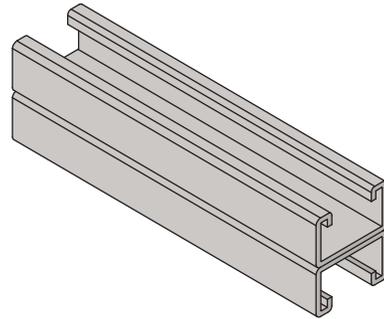
Channel with Short Slots	0.90
Channel with Long Slots	0.90
Channel with Holes	0.95
Knock-Out Channel	0.95



## 1-5/8" x 1" (41mm x 25mm)



## 1-5/8" x 2" (41mm x 51mm)



SPECIFYING		DISCONTINUED Brands & Part No.		1-5/8" x 1"
Brand & Part No.	Gauge	VERSABAR	FLORIDA STRUT	
<b>Solid Channel</b>				
W800	12 Ga.	VA10	FS12100NS	
<b>Channel with 9/16" Holes on 1-7/8" center *</b>				
W800H	12 Ga.	VA10P187	FS12100HS	
<b>Channel with 3/4" Holes on 1-7/8" center</b>				
W800CX	12 Ga.	VA10CHD	--	
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>				
W800EH	12 Ga.	VA10PLH	FS12100EH	
<b>Channel with 11/16" x 1-1/8" Short Slots on 2" center</b>				
W800EH58	12 Ga.	VA10PLW	--	
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>				
W800SL	12 Ga.	VA10P3S	FS12100SL	

\* Various hole patterns available, contact representative for more information

SPECIFYING		DISCONTINUED Brands & Part No.		1-5/8" x 2"
Brand & Part No.	Gauge	VERSABAR	FLORIDA STRUT	
<b>Back-to-Back Solid Channel</b>				
W801	12 Ga.	VA10201	FS12100NSBB	
<b>Back-to-Back Channel with 9/16" x 1-1/8" Short Slots</b>				
W801EH	12 Ga.	VA10201PLH	FS12100EHBB	
<b>Back-to-Back Channel with 11/16" x 1-1/8" Short Slots</b>				
W801EH58	12 Ga.	VA10201PLW	--	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available

**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum

**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



# 1-5/8" x 1" (41mm x 25mm) Channel



## 12 Gauge Channel Load Data

### Section Properties

12 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1-5/8" x 1" (41mm x 25mm) 12 Gauge Channel</b>										
W800	1.46 (2.17)	0.43 (2.77)	0.054 (2.25)	0.093 (1.52)	0.354 (0.90)	0.163 (6.78)	0.200 (3.28)	0.615 (1.56)	VA10	FS12100NS
<b>1-5/8" x 2" (41mm x 51mm) 12 Gauge Back-to-Back Channel</b>										
W801	2.92 (4.35)	0.859 (5.54)	0.261 (10.86)	0.261 (4.28)	0.551 (1.40)	0.325 (13.53)	0.400 (6.55)	0.615 (1.56)	VA10201	FS12100NSBB

### 1-5/8" x 1" (41mm x 25mm) 12 Gauge Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	1,560 (6.9)	0.02 (0.5)	1,560 (6.9)	1.00
24 (610)	780 (3.5)	0.09 (2.3)	780 (3.5)	1.00
36 (914)	520 (2.3)	0.20 (5.0)	390 (1.7)	1.00
48 (1,219)	390 (1.7)	0.35 (8.9)	220 (1.0)	1.00
60 (1,524)	310 (1.4)	0.55 (13.9)	140 (0.6)	1.00
72 (1,829)	260 (1.2)	0.79 (20.1)	100 (0.4)	0.97
84 (2,134)	220 (1.0)	1.07 (27.1)	70 (0.3)	0.94
96 (2,438)	200 (0.9)	1.45 (36.8)	60 (0.3)	0.91
108 (2,743)	170 (0.8)	1.75 (44.5)	40 (0.2)	0.89
120 (3,048)	160 (0.7)	2.26 (57.5)	40 (0.2)	0.86

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	2,220 (9.9)	9,350 (41.6)
24 (610)	2,150 (9.6)	7,600 (33.8)
36 (914)	2,020 (9.0)	5,370 (23.9)
48 (1,219)	1,820 (8.1)	3,320 (14.8)
60 (1,524)	1,540 (6.9)	2,120 (9.4)
72 (1,829)	1280 (5.7)	**
84 (2,134)	1,060 (4.7)	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

### 1-5/8" x 2" (41mm x 51mm) 12 Gauge Back-to-Back Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	2,139 (9.5) *	0.01 (0.2)	2,139 (9.5) *	1.00
24 (610)	2,139 (9.5) *	0.05 (1.3)	2,139 (9.5) *	1.00
36 (914)	1,460 (6.5)	0.12 (2.9)	1,460 (6.5)	1.00
48 (1,219)	1,090 (4.8)	0.20 (5.2)	1,070 (4.8)	0.94
60 (1,524)	870 (3.9)	0.32 (8.1)	680 (3.0)	0.88
72 (1,829)	730 (3.2)	0.46 (11.7)	470 (2.1)	0.83
84 (2,134)	620 (2.8)	0.62 (15.8)	350 (1.6)	0.77
96 (2,438)	550 (2.4)	0.82 (20.9)	270 (1.2)	0.72
108 (2,743)	490 (2.2)	1.04 (26.5)	210 (0.9)	0.67
120 (3,048)	440 (2.0)	1.29 (32.7)	170 (0.8)	0.61

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	5,660 (25.2)	18,430 (82.0)
24 (610)	5,560 (24.7)	17,000 (75.6)
36 (914)	5,440 (24.2)	15,640 (69.6)
48 (1,219)	5,320 (23.7)	14,510 (64.5)
60 (1,524)	5,210 (23.2)	13,590 (60.5)
72 (1,829)	5,110 (22.7)	11,810 (52.5)
84 (2,134)	4,920 (21.9)	10,050 (44.7)
96 (2,438)	4,320 (19.2)	6,820 (30.3)
108 (2,743)	3,660 (16.3)	4,730 (21.0)
120 (3,048)	3,030 (13.5)	3,480 (15.5)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

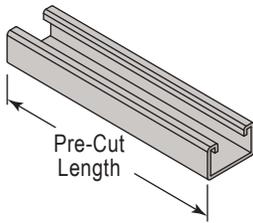
- Channel with Short Slots . . . . . 0.90
- Channel with Long Slots . . . . . 0.90
- Channel with Holes . . . . . 0.95
- Knock-Out Channel. . . . . 0.95



1-5/8" x 1" (41mm x 25mm)  
Solid Channel  
Pre-Cut Lengths



Solid Channel



Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
		
6" (15.2cm)	W800 XXXXX XXXX	
12" (0.31m)	Style: W800 - Solid	Length:
18" (0.45m)		06IN 48IN
24" (0.61m)	Material/Finish: PG - Pre-Galvanized S4 - Stainless Steel Type 304 S6 - Stainless Steel Type 316	12IN 54IN
30" (0.76m)		18IN 60IN
36" (0.91m)		24IN 72IN
42" (1.07m)		30IN 80IN
48" (1.22m)		36IN 96IN
54" (1.37m)		42IN
60" (1.52m)	EXAMPLE: W800S648IN	
72" (1.83m)	1-5/8" x 1" W800 - Solid Channel	48IN - 48" Long
80" (2.03m)		S6 - 316 Stainless Steel
96" (2.44m)		
10' (3.05m)		
20' (6.10m)		

Note: Minimum order quantity is 100 pieces for any size under 10'.

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.

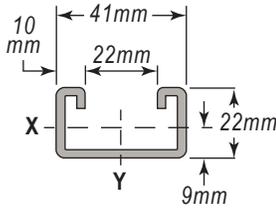
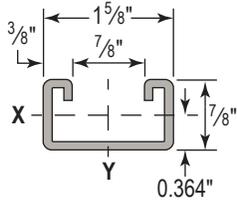
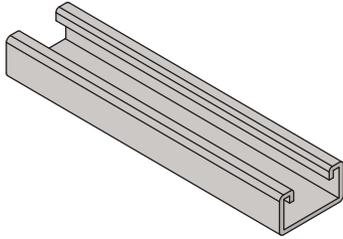


# 1-5/8" x 7/8" (41mm x 22mm) Channel

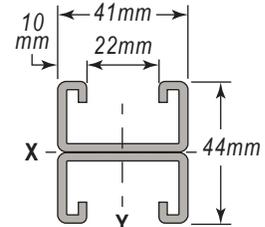
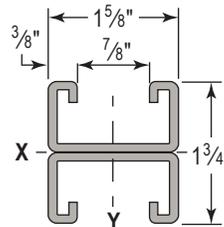
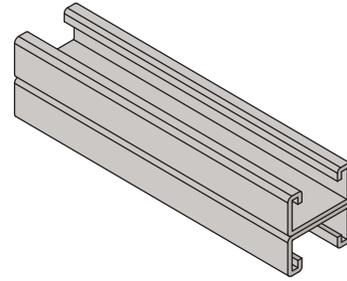


Standard Finish: Pre-Galvanized (PG)

## 1-5/8" x 7/8" (41mm x 22mm)



## 1-5/8" x 1-3/4" (41mm x 44mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 7/8"
		VERSABAR	FLORIDA STRUT	
<b>Solid Channel</b>				
W900	12 Ga.	--	FS12078NS	
<b>Channel with 9/16" Holes on 1-7/8" center *</b>				
W900H	12 Ga.	--	FS12078HS	
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>				
W900EH	12 Ga.	--	FS12078EH	
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>				
W900SL	12 Ga.	--	FS12078SL	

\* Various hole patterns available, contact representative for more information

SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 1-3/4"
		VERSABAR	FLORIDA STRUT	
<b>Back-to-Back Solid Channel</b>				
W901	12 Ga.	--	FS12078NSBB	
<b>Back-to-Back Channel with 9/16" Holes on 1-7/8" center *</b>				
W901H	12 Ga.	--	FS12078HSBB	
<b>Back-to-Back Channel with 9/16" x 1-1/8" Short Slots</b>				
W901EH	12 Ga.	--	FS121078EHBB	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

Roofing Supports

Fiberglass System

Technical Data

## 12 Gauge Channel Load Data

### Section Properties

12 Gauge SPECIFYING Brand & Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1-5/8" x 7/8" (41mm x 22mm) 12 Gauge Channel</b>										
W900	1.37 (2.04)	0.403 (2.60)	0.038 (1.58)	0.074 (1.21)	0.307 (0.78)	0.147 (6.12)	0.181 (2.97)	0.604 (1.53)	--	FS12078NS
<b>1-5/8" x 1-3/4" (41mm x 44mm) 12 Gauge Back-to-Back Channel</b>										
W901	2.75 (4.09)	0.807 (5.21)	0.183 (7.62)	0.209 (3.42)	0.476 (1.21)	0.295 (12.28)	0.363 (5.95)	0.604 (1.53)	--	FS12078NSBB

### 1-5/8" x 7/8" (41mm x 22mm) 12 Gauge Channel

#### Allowable Beam Loads

#### Allowable Column Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	1,250 (5.6)	0.03 (0.6)	1250 (5.6)	1.00
24 (610)	620 (2.8)	0.10 (2.5)	620 (2.8)	1.00
36 (914)	420 (1.9)	0.23 (5.8)	280 (1.2)	1.00
48 (1,219)	310 (1.4)	0.40 (10.1)	160 (0.7)	1.00
60 (1,524)	250 (1.1)	0.63 (15.9)	100 (0.4)	0.98
72 (1,829)	210 (0.9)	0.91 (23.1)	70 (0.3)	0.97
84 (2,134)	180 (0.8)	1.24 (31.5)	50 (0.2)	0.95
96 (2,438)	160 (0.7)	1.64 (41.8)	40 (0.2)	0.94
108 (2,743)	140 (0.6)	2.05 (52.0)	30 (0.1)	0.92
120 (3,048)	120 (0.5)	2.41 (61.2)	20 (0.1)	0.91

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	2,560 (11.4)	8,360 (37.2)
24 (610)	2,440 (10.9)	6,510 (29.0)
36 (914)	2,190 (9.7)	4,100 (18.2)
48 (1,219)	1,820 (8.1)	2,340 (10.4)
60 (1,524)	1,420 (6.3)	1,500 (6.7)
72 (1,829)	1,110 (4.9)	**
84 (2,134)	**	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

### 1-5/8" x 1-3/4" (41mm x 44mm) 12 Gauge Back-to-Back Channel

#### Allowable Beam Loads

#### Allowable Column Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	1,855 (8.3) *	0.01 (0.2)	1,855 (8.3) *	1.00
24 (610)	1,750 (7.8)	0.06 (1.5)	1,750 (7.8)	1.00
36 (914)	1,170 (5.2)	0.13 (3.3)	1,170 (5.2)	1.00
48 (1,219)	880 (3.9)	0.23 (6.0)	750 (3.3)	1.00
60 (1,524)	700 (3.1)	0.37 (9.3)	480 (2.1)	0.99
72 (1,829)	580 (2.6)	0.52 (13.3)	330 (1.5)	0.97
84 (2,134)	500 (2.2)	0.72 (18.2)	240 (1.1)	0.94
96 (2,438)	440 (2.0)	0.94 (23.9)	190 (0.8)	0.92
108 (2,743)	390 (1.7)	1.19 (30.1)	150 (0.7)	0.89
120 (3,048)	350 (1.6)	1.46 (37.1)	120 (0.5)	0.87

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	4,510 (20.1)	17,780 (79.1)
24 (610)	4,470 (19.9)	17,040 (75.8)
36 (914)	4,430 (19.7)	16,110 (71.7)
48 (1,219)	4,380 (19.5)	14,760 (65.7)
60 (1,524)	4,290 (19.1)	13,260 (59.0)
72 (1,829)	4,190 (18.6)	11,680 (52.0)
84 (2,134)	4,070 (18.1)	10,090 (44.9)
96 (2,438)	3,770 (16.8)	7,090 (31.5)
108 (2,743)	3,370 (15.0)	4,920 (21.9)
120 (3,048)	2,880 (12.8)	3,620 (16.1)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

Channel with Short Slots	0.90
Channel with Long Slots	0.90
Channel with Holes	0.95
Knock-Out Channel	0.95



# Pre-Cut Channel - 12 Gauge

1-5/8" x 7/8" (41mm x 22mm)



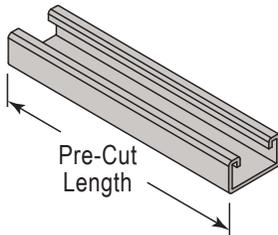
## 1-5/8" x 7/8" (41mm x 22mm) Solid or Short Slots Channel Pre-Cut Lengths



### Solid Channel

### Channel With Short Slots

9/16" x 1-1/8" (14mm x 29mm) Slots  
are punched on 2" (51mm) centers.



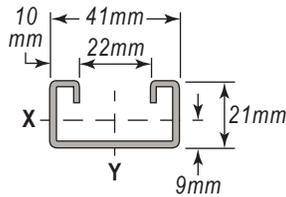
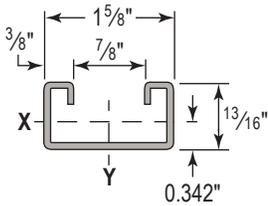
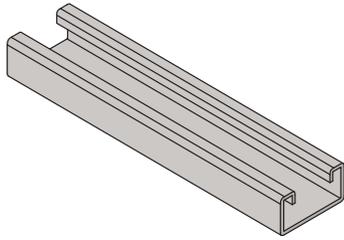
Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
	<b>WESANCO</b>	
6" (15.2cm)	W900 XXXXX XXXX	
12" (0.31m)	Style:	Length:
18" (0.45m)		06IN 48IN
24" (0.61m)	W900 - Solid	12IN 54IN
30" (0.76m)	W900EH - Short Slots	18IN 60IN
36" (0.91m)	Material/Finish:	24IN 72IN
42" (1.07m)		30IN 80IN
48" (1.22m)		36IN 96IN
54" (1.37m)		42IN
60" (1.52m)	EXAMPLE: W900S648IN	
72" (1.83m)	1-5/8" x 7/8"	48IN - 48" Long
80" (2.03m)		
96" (2.44m)	S6 - 316 Stainless Steel	
10' (3.05m)		
20' (6.10m)		

Note: Minimum order quantity is 100 pieces for any size under 10'.

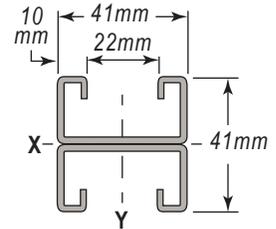
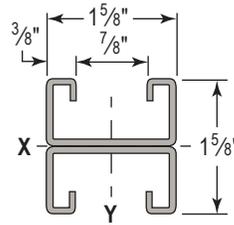
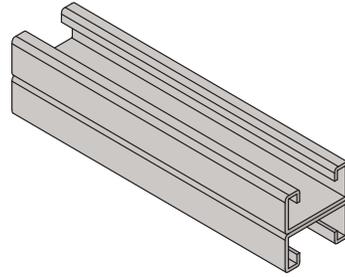
Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



## 1-5/8" x 13/16" (41mm x 21mm)



## 1-5/8" x 1-5/8" (41mm x 41mm)



SPECIFYING				1-5/8" x 13/16"
Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		
WESANCO		VERSABAR	FLORIDA STRUT	
<b>Solid Channel</b>				
W500	14 Ga.	VA4	FS141316NS	
<b>Channel with 9/16" Holes on 1-7/8" center *</b>				
W500H	14 Ga.	VA4P187	FS141316HS	
<b>Channel with Knock-Outs on 6" center *</b>				
W500KO	14 Ga.	VA4KO6	--	
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>				
W500EH	14 Ga.	VA4PLH	FS141316EH	
<b>Channel with 11/16" x 1-1/8" Short Slots on 2" center</b>				
W500EH58	14 Ga.	VA4PLW	--	
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>				
W500SL	14 Ga.	VA4P3S	FS141316SL	

\* Various hole patterns available, contact representative for more information

SPECIFYING				1-5/8" x 1-5/8"
Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		
WESANCO		VERSABAR	FLORIDA STRUT	
<b>Back-to-Back Solid Channel</b>				
W501	14 Ga.	VA4201	FS141316NSBB	
<b>Back-to-Back Channel with 9/16" x 1-1/8" Short Slots</b>				
W501EH	14 Ga.	VA4201PLH	FS141316EHBB	
<b>Back-to-Back Channel with 11/16" x 1-1/8" Short Slots</b>				
W501EH58	14 Ga.	VA4201PLW	--	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available

**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum

**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



# 1-5/8" x 13/16" (41mm x 21mm) Channel



## 14 Gauge Channel Load Data

### Section Properties

14 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			lx in. <sup>4</sup> (lx cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx in. (rx. cm)	ly in. <sup>4</sup> (ly cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1 5/8" x 13/16" (41mm x 21mm) 14 Gauge Channel</b>										
W500	1.00 (1.49)	0.295 (1.90)	0.026 (1.08)	0.056 (0.92)	0.297 (0.75)	0.109 (4.54)	0.135 (2.21)	0.609 (1.55)	VA4	FS141316NS
<b>1 5/8" x 1 5/8" (41mm x 41mm) 14 Gauge Back-to-Back Channel</b>										
W501	2.01 (2.99)	0.59 (3.81)	0.122 (5.08)	0.15 (2.46)	0.454 (1.15)	0.219 (9.12)	0.269 (4.41)	0.609 (1.55)	VA4201	FS141316NSBB

### 1 5/8" x 13/16" (41mm x 21mm) 14 Gauge Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	930 (4.1)	0.03 (0.8)	930 (4.1)	1.00
24 (610)	470 (2.1)	0.11 (2.8)	430 (1.9)	1.00
36 (914)	310 (1.4)	0.24 (6.1)	190 (0.8)	0.98
48 (1,219)	230 (1.0)	0.43 (10.9)	110 (0.5)	0.94
60 (1,524)	190 (0.8)	0.69 (17.5)	70 (0.3)	0.91
72 (1,829)	160 (0.7)	1.01 (25.7)	50 (0.2)	0.88
84 (2,134)	130 (0.6)	1.30 (33.0)	40 (0.2)	0.86
96 (2,438)	120 (0.5)	1.79 (45.4)	30 (0.1)	0.83
108 (2,743)	100 (0.4)	2.12 (53.9)	20 (0.1)	0.81
120 (3,048)	90 (0.4)	2.62 (66.5)	10 (0.1)	0.79

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	2,010 (8.9)	6,110 (27.2)
24 (610)	1,890 (8.4)	4,650 (20.7)
36 (914)	1,680 (7.5)	2,840 (12.6)
48 (1,219)	1,330 (5.9)	1,610 (7.2)
60 (1,524)	1,020 (4.5)	**
72 (1,829)	780 (3.5)	**
84 (2,134)	**	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

### 1 5/8" x 1 5/8" (41mm x 41mm) 14 Gauge Back-to-Back Channel

#### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	1,100 (4.9) *	0.01 (0.2)	1,100 (4.9) *	1.00
24 (610)	1,100 (4.9) *	0.06 (1.4)	1,100 (4.9) *	1.00
36 (914)	840 (3.7)	0.14 (3.6)	840 (3.7)	1.00
48 (1,219)	630 (2.8)	0.25 (6.4)	500 (2.2)	0.99
60 (1,524)	500 (2.2)	0.39 (10.0)	320 (1.4)	0.95
72 (1,829)	420 (1.9)	0.57 (14.5)	220 (1.0)	0.92
84 (2,134)	360 (1.6)	0.78 (19.7)	160 (0.7)	0.88
96 (2,438)	310 (1.4)	1.00 (25.4)	120 (0.5)	0.84
108 (2,743)	280 (1.2)	1.28 (32.5)	100 (0.4)	0.80
120 (3,048)	250 (1.1)	1.57 (39.9)	80 (0.4)	0.77

#### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	3,430 (15.3)	13,000 (57.8)
24 (610)	3,390 (15.1)	12,300 (54.7)
36 (914)	3,350 (14.9)	11,590 (51.6)
48 (1,219)	3,310 (14.7)	10,520 (46.8)
60 (1,524)	3,230 (14.4)	9,340 (41.5)
72 (1,829)	3,150 (14.0)	8,110 (36.1)
84 (2,134)	3,040 (13.5)	6,900 (30.7)
96 (2,438)	2,760 (12.3)	4,680 (20.8)
108 (2,743)	2,370 (10.5)	3,250 (14.5)
120 (3,048)	2,000 (8.9)	2,390 (10.6)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

#### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

Channel with Short Slots	0.90
Channel with Long Slots	0.90
Channel with Holes	0.95
Knock-Out Channel	0.95



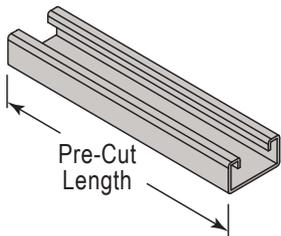
**1-5/8" x 13/16" (41mm x 21mm)  
Solid or Short Slots Channel  
Pre-Cut Lengths**



### Solid Channel

### Channel With Short Slots

9/16" x 1-1/8" (14mm x 29mm) Slots  
are punched on 2" (51mm) centers.



Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
	<b>WESANCO</b>	
6" (15.2cm)	W500 XXXXX XXXX	
12" (0.31m)	Style: W500 - Solid W500EH - Short Slots	Length: 06IN 48IN
18" (0.45m)		12IN 54IN
24" (0.61m)	Material/Finish: PG - Pre-Galvanized S4 - Stainless Steel Type 304 S6 - Stainless Steel Type 316	18IN 60IN
30" (0.76m)		24IN 72IN
36" (0.91m)		30IN 80IN
42" (1.07m)		36IN 96IN
48" (1.22m)		42IN
54" (1.37m)		
60" (1.52m)		
72" (1.83m)		
80" (2.03m)		
96" (2.44m)		
10' (3.05m)		
20' (6.10m)		
	EXAMPLE: W500S648IN	
	1-5/8" x 13/16" W500 - Solid Channel	48IN - 48" Long S6 - 316 Stainless Steel

Note: Minimum order quantity is 100 pieces for any size under 10'.

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.

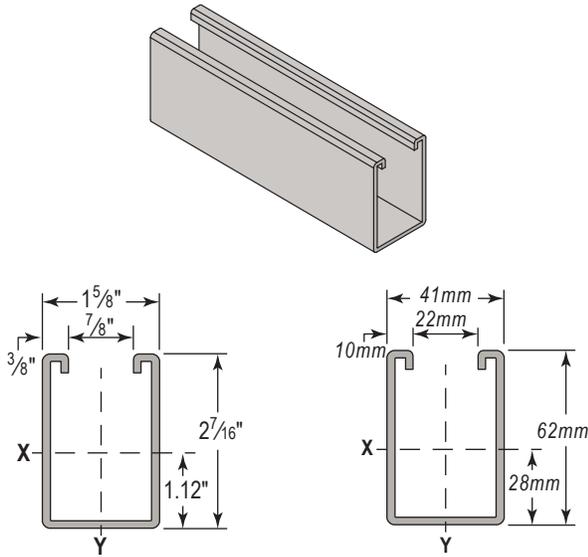


# 1-5/8" x 2-7/16" (41mm x 62mm) Channel



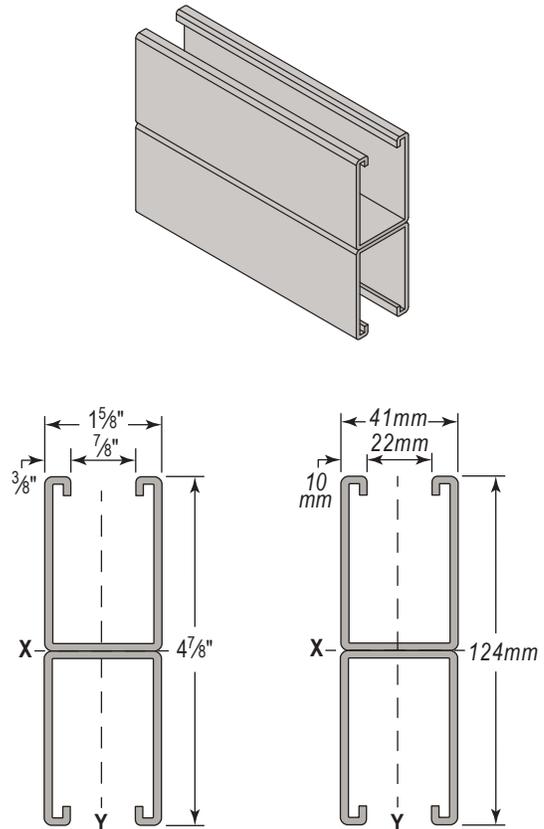
Standard Finish: Pre-Galvanized (PG)

## 1-5/8" x 2-7/16" (41mm x 62mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 2-7/16"
		VERSABAR	FLORIDA STRUT	
<b>Solid Channel</b>				
W100	12 Ga.	--	FS122716NS	
<b>Channel with 9/16" Holes on 1-7/8" center *</b>				
W100H	12 Ga.	--	FS122716HS	
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>				
W100EH	12 Ga.	--	FS122716EH	
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>				
W100SL	12 Ga.	--	FS122716SL	

## 1-5/8" x 4-7/8" (41mm x 124mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 4-7/8"
		VERSABAR	FLORIDA STRUT	
<b>Back-to-Back Solid Channel</b>				
W101	12 Ga.	--	FS122716NSBB	
<b>Back-to-Back Channel with 9/16" x 1-1/8" Short Slots</b>				
W101EH	12 Ga.	--	FS122716EHBB	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available

**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum

**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



## Section Properties

12 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1 5/8" x 2 7/16" (41mm x 62mm) 12 Gauge Channel</b>										
W100	2.49 (3.71)	0.732 (4.72)	0.530 (22.06)	0.400 (6.55)	0.851 (2.16)	0.337 (14.03)	0.415 (6.80)	0.679 (1.72)	--	FS122716NS
<b>1 5/8" x 4 7/8" (41mm x 124mm) 12 Gauge Back-to-Back Channel</b>										
W101	4.98 (7.41)	1.463 (9.44)	2.867 (119.3)	1.176 (19.27)	1.400 (3.56)	0.674 (28.05)	0.829 (13.58)	0.679 (1.72)	--	FS122716NSBB

## 1 5/8" x 2 7/16" (41mm x 62mm) 12 Gauge Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	6,700 (29.8)	0.01 (0.3)	6,700 (29.8)	1.00
24 (610)	3,350 (14.9)	0.04 (1.0)	3,350 (14.9)	0.99
36 (914)	2,230 (9.9)	0.09 (2.3)	2,230 (9.9)	0.88
48 (1,219)	1,670 (7.4)	0.15 (3.8)	1,670 (7.4)	0.77
60 (1,524)	1,340 (6.0)	0.24 (6.1)	1,340 (6.0)	0.66
72 (1,829)	1,120 (5.0)	0.35 (8.9)	960 (4.3)	0.57
84 (2,134)	960 (4.3)	0.47 (11.9)	710 (3.2)	0.50
96 (2,438)	840 (3.7)	0.62 (15.7)	540 (2.4)	0.45
108 (2,743)	740 (3.3)	0.78 (19.8)	430 (1.9)	0.42
120 (3,048)	670 (3.0)	0.96 (24.4)	350 (1.6)	0.39

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	5,090 (22.6)	15,090 (67.1)
24 (610)	4,720 (21.0)	10,890 (48.4)
36 (914)	4,020 (17.9)	7,040 (31.3)
48 (1,219)	3,210 (14.3)	4,630 (20.6)
60 (1,524)	2,570 (11.4)	3,460 (15.4)
72 (1,829)	2,130 (9.5)	2,780 (12.4)
84 (2,134)	1,810 (8.1)	2,340 (10.4)
96 (2,438)	1,580 (7.0)	2,020 (9.0)
108 (2,743)	1,400 (6.2)	1,780 (7.9)
120 (3,048)	1,270 (5.6)	1,580 (7.0)

## 1 5/8" x 4 7/8" (41mm x 124mm) 12 Gauge Back-to-Back Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	5,200 (23.1) *	0.00	5,200 (23.1) *	1.00
24 (610)	5,200 (23.1) *	0.01 (0.25)	5,200 (23.1) *	1.00
36 (914)	5,200 (23.1) *	0.04 (1.01)	5,200 (23.1) *	1.00
48 (1,219)	4,930 (21.9)	0.08 (2.03)	4,930 (21.9)	0.98
60 (1,524)	3,940 (17.5)	0.13 (3.30)	3,940 (17.5)	0.92
72 (1,829)	3,290 (14.6)	0.19 (4.83)	3,290 (14.6)	0.87
84 (2,134)	2,820 (12.5)	0.26 (6.60)	2,820 (12.5)	0.81
96 (2,438)	2,470 (11.0)	0.34 (8.64)	2,470 (11.0)	0.75
108 (2,743)	2,190 (9.7)	0.42 (10.68)	2,190 (9.7)	0.69
120 (3,048)	1,970 (8.8)	0.52 (13.21)	1,970 (8.8)	0.64

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	8,890 (39.5)	32,840 (146.1)
24 (610)	8,730 (38.8)	29,720 (132.2)
36 (914)	8,490 (37.8)	26,150 (116.3)
48 (1,219)	8,220 (36.6)	23,020 (102.4)
60 (1,524)	7,840 (34.9)	20,590 (91.6)
72 (1,829)	7,370 (32.8)	17,300 (77.0)
84 (2,134)	6,870 (30.6)	13,530 (60.2)
96 (2,438)	6,210 (27.6)	10,370 (46.1)
108 (2,743)	5,510 (24.5)	8,190 (36.4)
120 (3,048)	4,850 (21.6)	6,640 (29.5)

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

Channel with Short Slots	0.90
Channel with Long Slots	0.90
Channel with Holes	0.95



# Pre-Cut Channel - 12 Gauge



1-<sup>5</sup>/<sub>8</sub>" x 2-<sup>7</sup>/<sub>16</sub>" (41mm x 62mm)

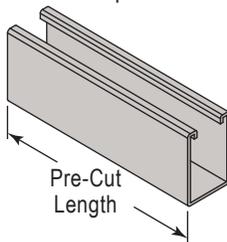
## 1<sup>5</sup>/<sub>8</sub>" x 2<sup>7</sup>/<sub>16</sub>" (41mm x 62mm) Solid or Short Slots Channel Pre-Cut Lengths



### Solid Channel

### Channel With Short Slots

<sup>9</sup>/<sub>16</sub>" x 1-<sup>1</sup>/<sub>8</sub>" (14mm x 29mm) Slots  
are punched on 2" (51mm) centers.



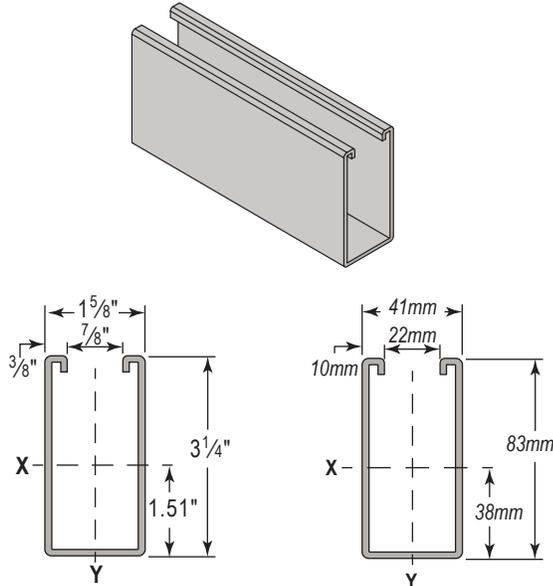
Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
	<b>WESANCO</b>	
6" (15.2cm)	W100 XXXXX XXXX	
12" (0.31m)	Style: W100 - Solid W100EH - Short Slots	Length: 06IN 48IN
18" (0.45m)		12IN 54IN
24" (0.61m)		18IN 60IN
30" (0.76m)		24IN 72IN
36" (0.91m)		30IN 80IN
42" (1.07m)		36IN 96IN
48" (1.22m)	Material/Finish: PG - Pre-Galvanized S4 - Stainless Steel Type 304 S6 - Stainless Steel Type 316	42IN
54" (1.37m)		
60" (1.52m)		
72" (1.83m)		
80" (2.03m)		
96" (2.44m)		
10' (3.05m)		
20' (6.10m)		
	EXAMPLE: W100S648IN	
	1- <sup>5</sup> / <sub>8</sub> " x 2- <sup>7</sup> / <sub>16</sub> " W100 - Solid Channel	48IN - 48" Long
	S6 - 316 Stainless Steel	

Note: Minimum order quantity is 100 pieces for any size under 10'.

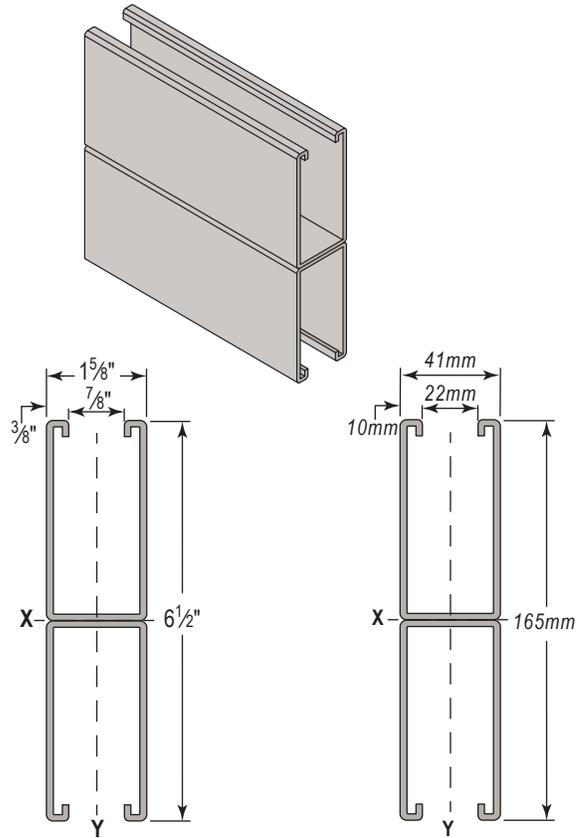
Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



## 1-5/8" x 3-1/4" (41mm x 83mm)



## 1-5/8" x 6-1/2" (41mm x 165mm)



SPECIFYING Brand & Part No.		Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 3-1/4"
WESANCO			VERSABAR	FLORIDA STRUT	
<b>Solid Channel</b>					
W150	12 Ga.	VA11	FS12314NS		
<b>Channel with 9/16" Holes on 1-7/8" center *</b>					
W150H	12 Ga.	VA11P187	FS12314HS		
<b>Channel with 9/16" x 1-1/8" Short Slots on 2" center</b>					
W150EH	12 Ga.	VA11PLH	FS12314EH		
<b>Channel with 11/16" x 1-1/8" Short Slots on 2" center</b>					
W150EH58	12 Ga.	VA11PLW	--		
<b>Channel with 13/32" x 3" Long Slots on 4" center</b>					
W150SL	12 Ga.	VA11P3S	--		

\* Various hole patterns available, contact representative for more information

SPECIFYING Brand & Part No.		Gauge	DISCONTINUED Brands & Part No.		1-5/8" x 6-1/2"
WESANCO			VERSABAR	FLORIDA STRUT	
<b>Back-to-Back Solid Channel</b>					
W151	12 Ga.	VA11201	FS12314NSBB		
<b>Back-to-Back Channel with 9/16" x 1-1/8" Short Slots</b>					
W151EH	12 Ga.	VA11201PLH	FS12314EHBB		
<b>Back-to-Back Channel with 11/16" x 1-1/8" Short Slots</b>					
W151EH58	12 Ga.	VA11201PLW	--		

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



# 1-5/8" x 3-1/4" (41mm x 83mm) Channel



Standard Finish: Pre-Galvanized (PG)

## Section Properties

12 Gauge SPECIFYING Brand & Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>1 5/8" x 3 1/4" (41mm x 83mm) 12 Gauge Channel</b>										
<b>W150</b>	3.07 (4.57)	0.902 (5.82)	1.113 (46.33)	0.639 (10.47)	1.111 (2.82)	0.435 (18.11)	0.536 (8.78)	0.695 (1.77)	VA11	FS12314NS
<b>1 5/8" x 6 1/2" (41mm x 165mm) 12 Gauge Back-to-Back Channel</b>										
<b>W151</b>	6.14 (9.14)	1.804 (11.64)	6.34 (263.85)	1.951 (31.97)	1.874 (4.76)	0.871 (36.25)	1.072 (17.57)	0.695 (1.77)	VA11201	FS12314NSBB

## 1 5/8" x 3 1/4" (41mm x 83mm) 12 Gauge Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	10,720 (47.7)	0.01 (0.3)	10,720 (47.7)	1.00
24 (610)	5,360 (23.8)	0.03 (0.8)	5,360 (23.8)	0.98
36 (914)	3,570 (15.9)	0.07 (1.8)	3,570 (15.9)	0.85
48 (1,219)	2,680 (11.9)	0.12 (3.0)	2,680 (11.9)	0.70
60 (1,524)	2,140 (9.5)	0.18 (4.6)	2,140 (9.5)	0.54
72 (1,829)	1,790 (8.0)	0.27 (6.9)	1,790 (8.0)	0.44
84 (2,134)	1,530 (6.8)	0.36 (9.1)	1,490 (6.6)	0.37
96 (2,438)	1,340 (6.0)	0.47 (11.9)	1,140 (5.1)	0.33
108 (2,743)	1,190 (5.3)	0.59 (15.0)	900 (4.0)	0.29
120 (3,048)	1,070 (4.8)	0.73 (18.5)	730 (3.2)	0.27
132 (3,353)	970 (4.3)	0.89 (22.5)	600 (2.7)	0.25
144 (3,658)	890 (4.0)	1.05 (26.8)	510 (2.3)	0.24
156 (3,962)	820 (3.6)	1.23 (31.4)	430 (1.9)	0.23
168 (4,267)	770 (3.4)	1.45 (36.8)	370 (1.6)	0.22
180 (4,572)	710 (3.2)	1.64 (41.7)	320 (1.4)	0.21
192 (4,877)	670 (3.0)	1.88 (47.8)	280 (1.2)	0.20
204 (5,182)	630 (2.8)	2.12 (53.9)	250 (1.1)	0.19
216 (5,486)	600 (2.7)	2.40 (60.9)	230 (1.0)	0.19
228 (5,791)	560 (2.5)	2.63 (66.9)	200 (0.9)	0.18
240 (6,096)	540 (2.4)	2.96 (75.2)	180 (0.8)	0.18

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	6,230 (27.7)	18,480 (82.2)
24 (610)	5,730 (25.5)	12,890 (57.3)
36 (914)	4,740 (21.1)	7,650 (34.0)
48 (1,219)	3,590 (16.0)	4,800 (21.4)
60 (1,524)	2,740 (12.2)	3,460 (15.4)
72 (1,829)	2,160 (9.6)	2,710 (12.1)
84 (2,134)	1,760 (7.8)	2,250 (10.0)
96 (2,438)	1,500 (6.7)	1,930 (8.6)
108 (2,743)	1,310 (5.8)	1,700 (7.6)
120 (3,048)	1,170 (5.2)	1,520 (6.8)
132 (3,353)	1,070 (4.8)	1,370 (6.1)
144 (3,658)	980 (4.4)	**
156 (3,962)	910 (4.0)	**
168 (4,267)	850 (3.8)	**
180 (4,572)	**	**
192 (4,877)	**	**
204 (5,182)	**	**
216 (5,486)	**	**
228 (5,791)	**	**
240 (6,096)	**	**

### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

- Channel with Short Slots . . . . . 0.90
- Channel with Holes . . . . . 0.95



## 1-5/8" x 6-1/2" (41mm x 165mm) 12 Gauge Back-to-Back Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	6,920 (30.8) *	0.00	6,920 (30.8) *	1.00
24 (610)	6,920 (30.8) *	0.01 (0.5)	6,920 (30.8) *	1.00
36 (914)	6,920 (30.8) *	0.02 (0.5)	6,920 (30.8) *	1.00
48 (1,219)	6,920 (30.8) *	0.05 (1.0)	6,920 (30.8) *	0.96
60 (1,524)	6,540 (29.1)	0.10 (1.8)	6,540 (29.1)	0.90
72 (1,829)	5,450 (24.2)	0.13 (3.3)	5,450 (24.2)	0.83
84 (2,134)	4,670 (20.8)	0.19 (4.8)	4,670 (20.8)	0.75
96 (2,438)	4,090 (18.2)	0.25 (6.4)	4,090 (18.2)	0.68
108 (2,743)	3,630 (16.1)	0.32 (8.1)	3,630 (16.1)	0.60
120 (3,048)	3,270 (14.5)	0.39 (9.9)	3,270 (14.5)	0.53
132 (3,353)	2,970 (13.2)	0.48 (12.1)	2,970 (13.2)	0.49
144 (3,658)	2,730 (12.1)	0.57 (14.4)	2,730 (12.1)	0.45
156 (3,962)	2,520 (11.2)	0.67 (16.9)	2,520 (11.2)	0.42
168 (4,267)	2,340 (10.4)	0.77 (19.6)	2,340 (10.4)	0.38
180 (4,572)	2,180 (9.7)	0.89 (22.5)	2,180 (9.7)	0.34
192 (4,877)	2,040 (9.1)	1.01 (25.5)	2,040 (9.1)	0.31
204 (5,182)	1,920 (8.5)	1.13 (28.8)	1,920 (8.5)	0.27
216 (5,486)	1,820 (8.1)	1.28 (32.4)	1,820 (8.1)	0.24
228 (5,791)	1,720 (7.7)	1.42 (36.1)	1,720 (7.7)	0.22
240 (6,096)	1,640 (7.3)	1.58 (40.1)	1,640 (7.3)	0.20

\* Load limited by spot weld shear

\*\* KL/r > 200

NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

Refer to pages 34 - 36 for other beam support conditions.

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	11,040 (49.1)	40,490 (180.1)
24 (610)	10,820 (48.1)	36,400 (161.9)
36 (914)	10,490 (46.7)	31,330 (139.4)
48 (1,219)	10,080 (44.8)	26,520 (118.0)
60 (1,524)	9,400 (41.8)	22,520 (100.2)
72 (1,829)	8,650 (38.5)	19,410 (86.3)
84 (2,134)	7,930 (35.3)	17,050 (75.8)
96 (2,438)	7,280 (32.4)	13,400 (59.6)
108 (2,743)	6,660 (29.6)	10,590 (47.1)
120 (3,048)	5,800 (25.8)	8,580 (38.2)
132 (3,353)	5,060 (22.5)	7,090 (31.5)
144 (3,658)	4,420 (19.7)	**
156 (3,962)	3,870 (17.2)	**
168 (4,267)	3,430 (15.3)	**
180 (4,572)	**	**
192 (4,877)	**	**
204 (5,182)	**	**
216 (5,486)	**	**
228 (5,791)	**	**
240 (6,096)	**	**

### Beam Loading of Punched Channels

Load for punched channel is obtained by multiplying the loads shown by the following reduction factors:

- Channel with Short Slots . . . . . 0.90
- Channel with Holes . . . . . 0.95

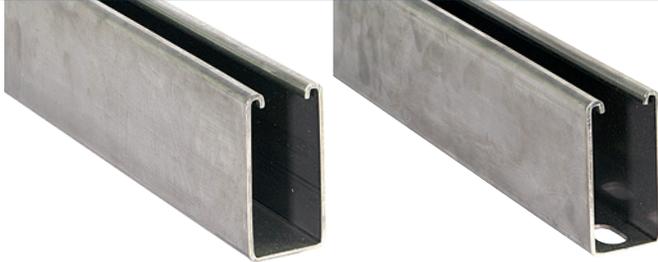


# Pre-Cut Channel - 12 Gauge

1-5/8" x 6-1/2" (41mm x 165mm)



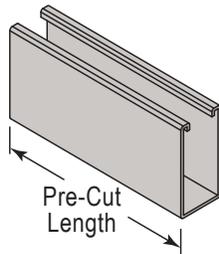
## 1-5/8" x 3-1/4" (41mm x 83mm) Solid or Short Slots Channel Pre-Cut Lengths



### Solid Channel

### Channel With Short Slots

9/16" x 1-1/8" (14mm x 29mm) Slots  
are punched on 2" (51mm) centers.



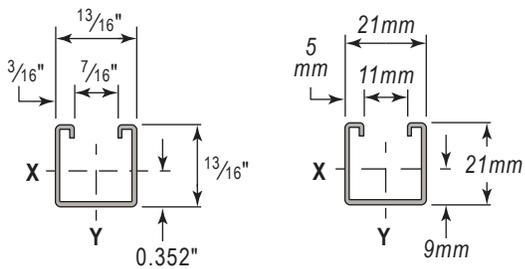
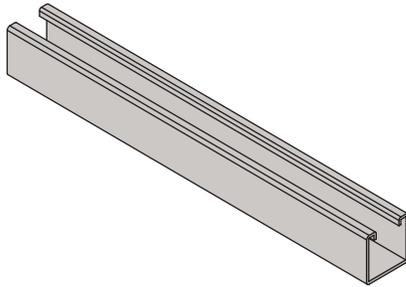
Pre-Cut Length	Part Number Order Chart for Different Options	
	SPECIFYING Brand & Part No.	
	<b>WESANCO</b>	
6" (15.2cm)	W150 XXXXX XXXX	
12" (0.31m)	Style:	Length:
18" (0.45m)	W150 - Solid	06IN 48IN
24" (0.61m)	W150EH - Short Slots	12IN 54IN
30" (0.76m)		18IN 60IN
36" (0.91m)	Material/Finish:	24IN 72IN
42" (1.07m)	PG - Pre-Galvanized	30IN 80IN
48" (1.22m)	S4 - Stainless Steel Type 304	36IN 96IN
54" (1.37m)	S6 - Stainless Steel Type 316	42IN
60" (1.52m)		
72" (1.83m)	EXAMPLE: W150S648IN	
80" (2.03m)	1-5/8" x 3-1/4"	48IN - 48" Long
96" (2.44m)	W150 - Solid Channel	
10' (3.05m)	S6 - 316 Stainless Steel	
20' (6.10m)		

Note: Minimum order quantity is 100 pieces for any size under 10'.

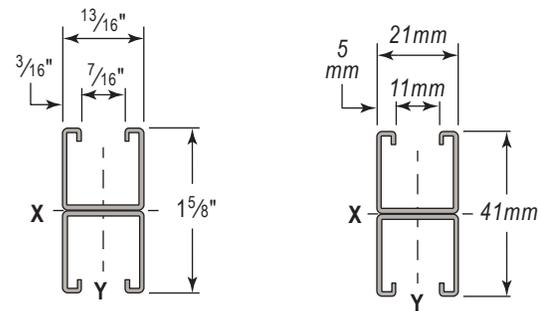
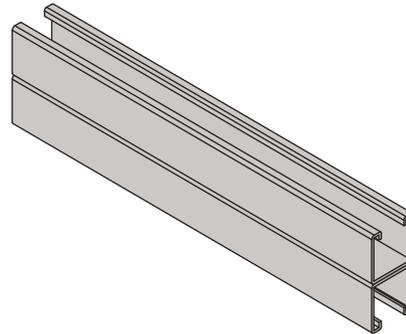
Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.



## 1<sup>3</sup>/<sub>16</sub>" x 1<sup>3</sup>/<sub>16</sub>" (21mm x 21mm)



## 1<sup>3</sup>/<sub>16</sub>" x 1<sup>5</sup>/<sub>8</sub>" (21mm x 41mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1 <sup>3</sup> / <sub>16</sub> " x 1 <sup>3</sup> / <sub>16</sub> " Solid
		VERSABAR	FLORIDA STRUT	
WESANCO				
<b>Solid Channel</b>				
W600	19 Ga.	--	--	

SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		1 <sup>3</sup> / <sub>16</sub> " x 1 <sup>5</sup> / <sub>8</sub> " Solid
		VERSABAR	FLORIDA STRUT	
WESANCO				
<b>Solid Channel</b>				
W601	19 Ga.	--	--	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.

Section Properties

19 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>13/16" x 13/16" (21mm x 21mm) 19 Gauge Channel</b>										
W600	0.36 (0.54)	0.107 (0.69)	0.009 (0.37)	0.020 (0.33)	0.295 (0.75)	0.012 (0.50)	0.029 (0.48)	0.333 (0.85)	--	--
<b>13/16" x 1 5/8" (21mm x 41mm) 19 Gauge Back-to-Back Channel</b>										
W601	0.36 (0.54)	0.107 (0.69)	0.009 (0.37)	0.020 (0.33)	0.295 (0.75)	0.012 (0.50)	0.029 (0.48)	0.333 (0.85)	--	--

13/16" x 13/16" (21mm x 21mm) 19 Gauge Channel

Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	340 (1.5)	0.03 (0.8)	340 (1.5)	1.00
24 (610)	170 (0.8)	0.11 (2.8)	150 (0.7)	0.80
36 (914)	110 (0.5)	0.24 (6.1)	70 (0.3)	0.63
48 (1,219)	80 (0.4)	0.42 (10.7)	40 (0.2)	0.52
60 (1,524)	70 (0.3)	0.72 (18.3)	20 (0.1)	0.45
72 (1,829)	60 (0.3)	1.06 (26.9)	20 (0.1)	0.40
84 (2,134)	50 (0.2)	1.41 (35.8)	10 (0.0)	0.37
96 (2,438)	40 (0.2)	1.68 (42.7)	10 (0.0)	0.34
108 (2,743)	40 (0.2)	2.39 (60.7)	10 (0.0)	0.31
120 (3,048)	30 (0.1)	2.46 (62.5)	10 (0.0)	0.30

Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	700 (3.1)	1,630 (7.3)
24 (610)	490 (2.2)	740 (3.3)
36 (914)	340 (1.5)	450 (2.0)
48 (1,219)	260 (1.2)	330 (1.5)
60 (1,524)	210 (0.9)	**
72 (1,829)	180 (0.8)	**
84 (2,134)	**	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

13/16" x 1 5/8" (21mm x 41mm) 19 Gauge Back-to-Back Channel

Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	Rate
12 (305)	280 (1.2) *	0.00	280 (1.2) *	1.00
24 (610)	280 (1.2) *	0.04 (1.0)	280 (1.2) *	0.99
36 (914)	280 (1.2) *	0.13 (3.2)	280 (1.2) *	0.89
48 (1,219)	230 (1.0)	0.25 (6.3)	180 (0.8)	0.79
60 (1,524)	190 (0.8)	0.40 (10.2)	120 (0.5)	0.70
72 (1,829)	160 (0.7)	0.58 (14.8)	80 (0.4)	0.60
84 (2,134)	130 (0.6)	0.75 (19.2)	60 (0.3)	0.51
96 (2,438)	120 (0.5)	1.04 (26.4)	50 (0.2)	0.44
108 (2,743)	100 (0.4)	1.23 (31.3)	40 (0.2)	0.39
120 (3,048)	90 (0.4)	1.52 (38.7)	30 (0.1)	0.35

Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	1,240 (5.5)	4,300 (19.1)
24 (610)	1,210 (5.4)	3,780 (16.8)
36 (914)	1,170 (5.2)	3,340 (14.9)
48 (1,219)	1,130 (5.0)	3,010 (13.4)
60 (1,524)	1,070 (4.8)	2,460 (10.9)
72 (1,829)	990 (4.4)	1,900 (8.5)
84 (2,134)	900 (4.0)	1,460 (6.5)
96 (2,438)	710 (3.2)	930 (4.1)
108 (2,743)	550 (2.4)	**
120 (3,048)	**	**

\* Load limited by spot weld shear

\*\* KL/r > 200

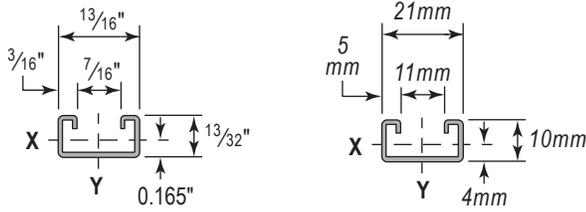
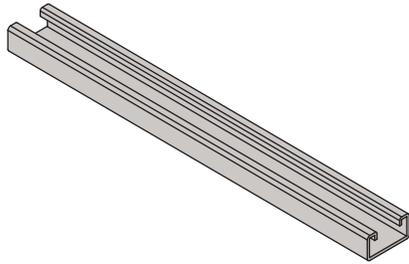
NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

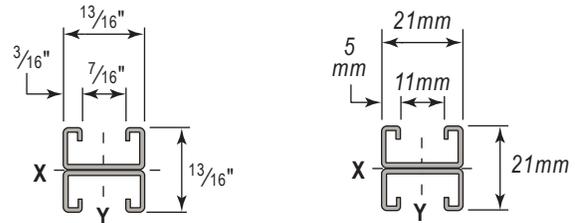
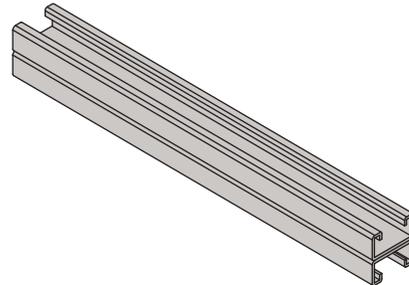
Refer to pages 34 - 36 for other beam support conditions.



## 13/16" X 13/32" (21mm x 10mm)



## 13/16" X 13/16" (21mm x 21mm)



SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		13/16" X 13/32" Solid
		VERSABAR	FLORIDA STRUT	
<b>WESANCO</b>				
<b>Solid Channel</b>				
<b>W700</b>	19 Ga.	--	--	

SPECIFYING Brand & Part No.	Gauge	DISCONTINUED Brands & Part No.		13/16" X 13/16" Solid
		VERSABAR	FLORIDA STRUT	
<b>WESANCO</b>				
<b>Solid Channel</b>				
<b>W701</b>	19 Ga.	--	--	

Available in 10' & 20' standard lengths & pre-cut lengths • Custom cut lengths, combinations, and pierced channel available  
**Materials:** Cold Rolled Steel, Stainless Steel 304 & 316, and Aluminum  
**Finishes:** Pre-Galvanized, Paint-Green Powder Coating, Electroplated Zinc, Hot Dip Galvanized, Plain, and Special Coatings.

# 13/16" x 13/32" (21mm x 10mm) Channel



Standard Finish: Pre-Galvanized (PG)

## Section Properties

19 Gauge SPECIFYING Brand & Part No. WESANCO	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis			DISCONTINUED Brands & Part No.	
			lx in. <sup>4</sup> (lx cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	rx. in. (rx. cm)	ly in. <sup>4</sup> (ly cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	ry in. (ry cm)	VERSABAR	FLORIDA STRUT
<b>13/16" x 13/32" (21mm x 10mm) 19 Gauge Channel</b>										
W700	0.25 (0.37)	0.074 (0.48)	0.002 (0.08)	0.007 (0.11)	0.149 (0.38)	0.007 (0.29)	0.017 (0.28)	0.307 (0.78)	--	--
<b>13/16" x 13/16" (21mm x 21mm) 19 Gauge Back-to-Back Channel</b>										
W701	0.51 (0.76)	0.149 (0.96)	0.007 (0.29)	0.018 (0.29)	0.222 (0.56)	0.014 (0.58)	0.034 (0.56)	0.307 (0.78)	--	--

## 13/16" x 13/32" (21mm x 10mm) 19 Gauge Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	110 (0.5)	0.05 (1.3)	110 (0.5)	1.00
24 (610)	60 (0.3)	0.22 (5.6)	30 (0.1)	0.95
36 (914)	40 (0.2)	0.48 (12.2)	10 (0.0)	0.91
48 (1,219)	30 (0.1)	0.86 (21.8)	10 (0.0)	0.87
60 (1,524)	20 (0.1)	1.12 (28.4)	NR	0.83
72 (1,829)	20 (0.1)	1.94 (49.3)	NR	0.80
84 (2,134)	20 (0.1)	3.08 (78.2)	NR	0.76
96 (2,438)	10 (0.0)	2.30 (58.3)	NR	0.73
108 (2,743)	10 (0.0)	3.27 (83.1)	NR	0.70
120 (3,048)	10 (0.0)	4.49 (114.0)	NR	0.66

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	460 (2.0)	1170 (5.2)
24 (610)	330 (1.5)	410 (1.8)
36 (914)	200 (0.9)	**
48 (1,219)	**	**
60 (1,524)	**	**
72 (1,829)	**	**
84 (2,134)	**	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

## 13/16" x 13/16" (21mm x 21mm) 19 Gauge Back-to-Back Channel

### Allowable Beam Loads

Span	Max. Uniform Load (W)	Deflection at Load (W)	Uniform Load at Deflection Span /240	Lateral Bracing Load Reduction Rate
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	
12 (305)	210 (0.9) *	0.02 (0.6)	210 (0.9) *	1.00
24 (610)	150 (0.7)	0.13 (3.2)	120 (0.5)	1.00
36 (914)	100 (0.4)	0.28 (7.2)	50 (0.2)	0.93
48 (1,219)	80 (0.4)	0.53 (13.6)	30 (0.1)	0.87
60 (1,524)	60 (0.3)	0.78 (19.9)	20 (0.1)	0.80
72 (1,829)	50 (0.2)	1.13 (28.7)	10 (0.05)	0.73
84 (2,134)	40 (0.2)	1.43 (36.4)	10 (0.05)	0.67
96 (2,438)	40 (0.2)	2.14 (54.4)	10 (0.05)	0.60
108 (2,743)	30 (0.1)	2.29 (58.0)	10 (0.05)	0.54
120 (3,048)	30 (0.1)	3.13 (79.6)	NR	0.49

### Allowable Column Loads

Unbraced Height	Max. Slot Face Load	Max. Column Load Applied at C.G. K = 1.0
In (mm)	Lbs (kN)	Lbs (kN)
12 (305)	820 (3.6)	2,910 (12.9)
24 (610)	790 (3.5)	2,330 (10.4)
36 (914)	740 (3.3)	1,710 (7.6)
48 (1,219)	670 (3.0)	1,150 (5.1)
60 (1,524)	580 (2.6)	800 (3.6)
72 (1,829)	490 (2.2)	590 (2.6)
84 (2,134)	420 (1.9)	**
96 (2,438)	**	**
108 (2,743)	**	**
120 (3,048)	**	**

\* Load limited by spot weld shear

\*\* KL/r > 200

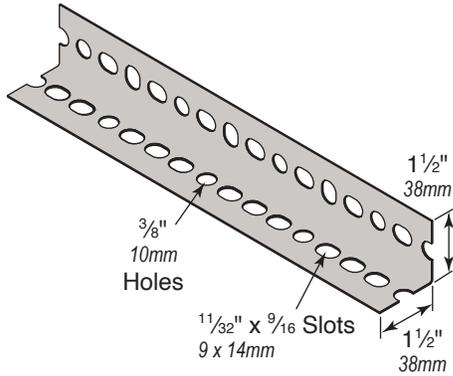
NR = Not Recommended

Beam loads shown are total uniform load, including the channel weight, for a simple span supported at each end that is adequately laterally braced.

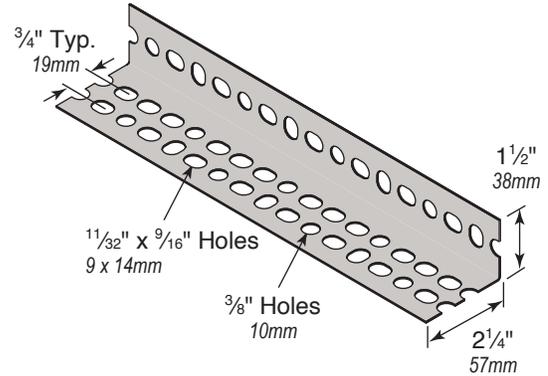
Refer to pages 34 - 36 for other beam support conditions.



## Light Duty Slotted Angle



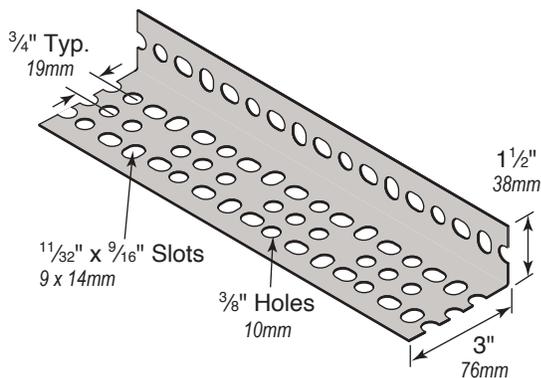
## Medium Duty Slotted Angle



SPECIFYING Brand & Part No.	Gauge	Length	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO	14	10 ft.	--	SA0150
SLA0150	14	10 ft.	--	SA0150

SPECIFYING Brand & Part No.	Gauge	Length	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO	14	10 ft.	--	SA0225
SLA0225	14	10 ft.	--	SA0225

## Heavy Duty Slotted Angle

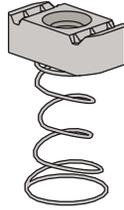


SPECIFYING Brand & Part No.	Gauge	Length	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO	14	10 ft.	--	SA0300
SLA0300	14	10 ft.	--	SA0300



## Channel Nuts with Spring

Pages 68 - 69



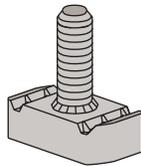
## Channel Nuts without Spring

Page 68



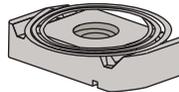
## Stud Channel Nuts

Pages 71 - 73



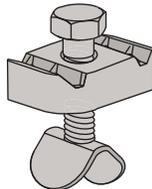
## Channel Nut with Top Spring

Page 70



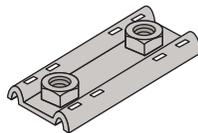
## Seismic Rod Stiffener

Page 70



## Special Channel Nuts

Pages 70 - 73



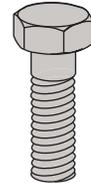
## Threaded Rod & Coupler

Pages 73 - 74



## Screws

Pages 74 - 75



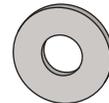
## Nuts

Page 75



## Washers

Page 75



## Swivels

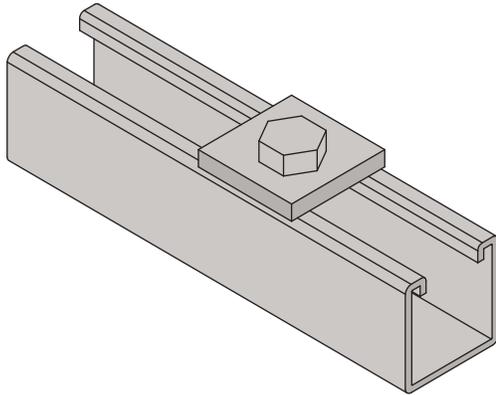
Page 76



Hardware Material Specifications		
Material	ASTM Designation	ASTM Description
Bar Stock: Channel Nuts	A 36	Merchant quality hot rolled carbon steel bars.
	A 29-03	Steel bars, carbon, hot rolled special quality.
Bar Stock	A 569	Merchant quality hot rolled carbon steel bars.
Hardware	A 563	Carbon and alloy steel nuts. Carbon steel externally threaded standard fasteners.
	A 307	
Channel Nuts Stainless Steel	B783	Sintered 316 - "Domestic Nut"
	A240	Bar Stock 316 - "Import Nut"
Aluminum Nuts	B221	Channel Nuts

See page 23 for Material or Finish ordering codes for part numbers.

Hardware Finish Specifications	
Finish	Description
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications: ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.



## Slip And Pull-Out Load Data

Part No.		Resistance To Slip (Lbs./Bolt) Safety Factor		Resistance To Pull-Out (Lbs./Bolt) Safety Factor	
Channel	Channel Nut	3	5	3	5
W200	W2-8	1,500 (6.8kN)	900 (4.0kN)	2,000 (8.9kN)	1,200 (5.3kN)
W210	W2-8	1,000 (4.5kN)	600 (2.7kN)	1,400 (6.2kN)	840 (3.7kN)
W300	W2-8	1,500 (6.8kN)	900 (4.0kN)	2,000 (8.9kN)	1,200 (5.3kN)
W500	W5-8	1,000 (4.5kN)	600 (2.7kN)	1,400 (6.2kN)	840 (3.7kN)

## Apply Proper Torque

A Channel Nut installed within the last inch of Channel (center of bolt to extreme end of Channel) cannot develop full capacity.

**REDUCE ULTIMATE DESIGN LOAD BY 50%.**

When installing a Channel Nut near the end of a Channel section, especially within the last inch, remember to true the legs forming the continuous Channel slot before inserting and tightening the Channel Nut.

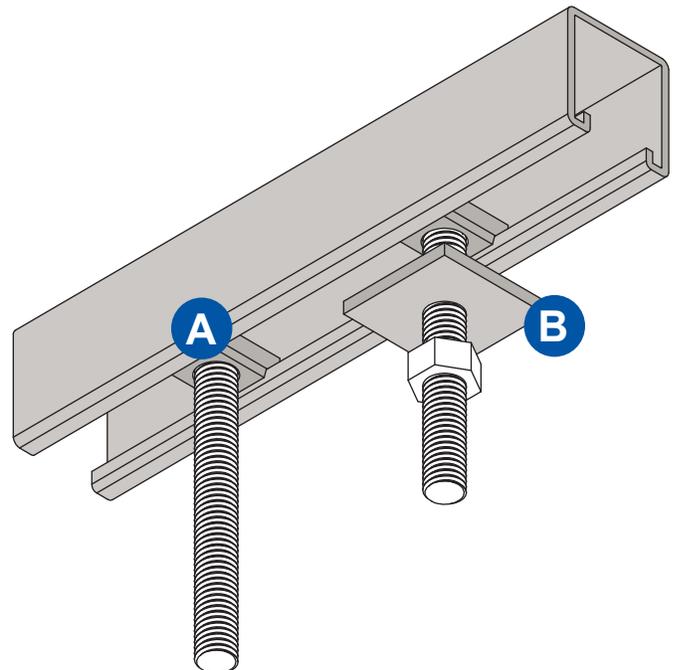
Channel Nuts or their matching threaded fastener that may have been contaminated with oil, wax, petroleum products or any friction reducing medium, will no longer develop a proper torque rating, and may be prone to loosening. To insure proper attachment load rating, properly clean and dry any such contaminated surfaces, paying specific attention to the threaded surfaces. If proper cleaning is not possible, replace the fasteners with uncontaminated stock.

Hanging a section of All Thread Rod directly from a Channel Nut within an overhead mounted section of Channel (without securing with a Fitting or Square Washer and a Hex or Jamb Nut) (Ref. A), does not allow the Channel Nut to function at its proper capacity and could result in the attachment slipping, twisting out or even jumping free of its confinement in a vibration situation. Always capture the Rod and Channel Nut at the face of the Channel as shown (Ref. B). Use proper torque value.

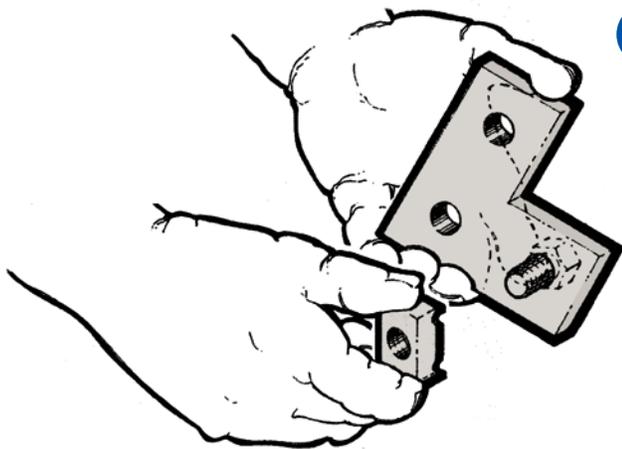
Bolt torque values are given to ensure the proper connection between components. It is important to understand that there is a direct, but not necessarily consistent, relationship between bolt torque and tension in the bolt. Too much tension in the bolt can cause it to break or crush the component parts. Too little tension in the bolt can prevent the connection from developing its full load capacity. The torque values given have been developed over many years of experience and testing.

## Design Bolt Torque

Bolt Size	Foot Pounds
1/4" - 20	6 Ft/Lbs (8.1 N•m)
5/16" - 18	11 Ft/Lbs (14.9 N•m)
3/8" - 16	19 Ft/Lbs (25.8 N•m)
1/2" - 13	50 Ft/Lbs (67.8 N•m)
5/8" - 11	100 Ft/Lbs (135.6 N•m)
3/4" - 10	125 Ft/Lbs (169.5 N•m)



Standard Finish: Electro Galvanized (EG)

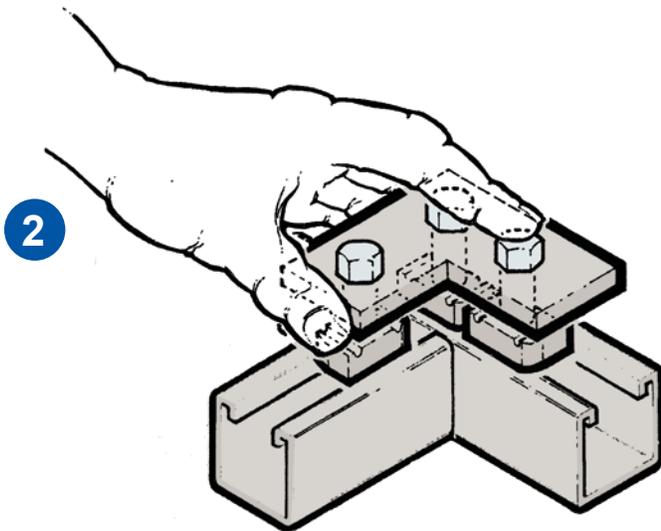


**1** One at a time, bolts are inserted through the fitting's holes, held in place with a finger while an appropriate **Channel Nut without spring** is engaged to each bolt with one-and-a half turns, (just enough to keep them attached).

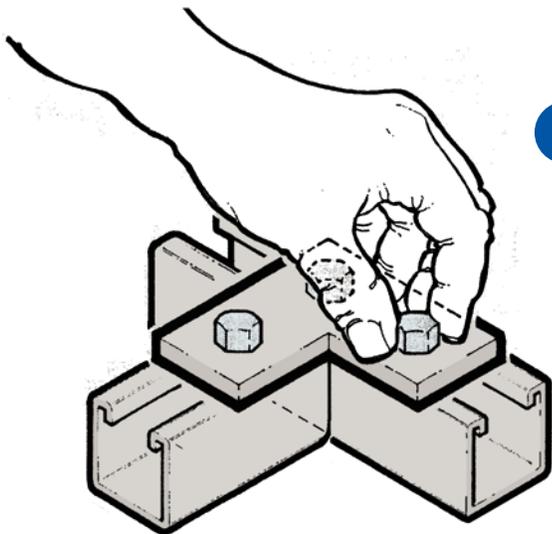
**Use caution to select bolt lengths that will not bottom out in channel when fully tightened.**

When the entire fitting (in at least one plane) is fitted with Channel Nuts and bolts, align Channel Nut direction (s) to correspond with channel arrangement; place fitting into position.

**Channel Nuts without springs** should hang below, clear of channel's in-turned edges prior to tightening the bolts.



**2**

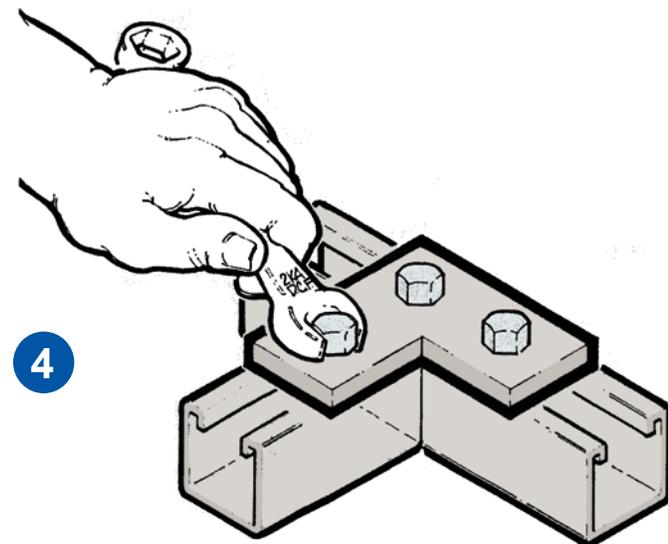


**3**

All Channel Nut/bolts are finger tightened by pressing down on bolt head, and turning clock-wise. Inserting fingers into channel to align is not required.

**Do not tighten by grasping bolt with fingers under the head.** If the bolt is grasped in this fashion, this will lift Channel Nut, allowing it to turn and "look" falsely into place between channel's in-turned lips.

Adjust fitting to final position; check to make sure **Channel Nuts** are still installed correctly with pyramid enhanced grooves engaging the channel's in-turned edges. Finally, fasteners are wrench tightened.

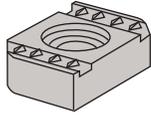
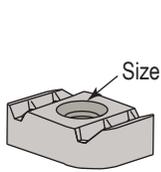


**4**



## Channel Nut Without Spring

For most channel sizes



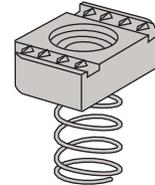
Wide body on W1-10WS, W2-12WS, W5-10WS & B5-12WS only

SPECIFYING Brand & Part No.	Use	Size	Thickness	DISCONTINUED Brands & Part No.		
				VERSABAR	FLORIDA STRUT	
<b>WESANCO</b>						
W2-0832WS		#8-32	1/4" (6mm)	VN1010-0832	--	
W2-1032WS		#10-32		VN10101032	--	
W2-1024WS		#10-24		VN10101024	--	
W2-4WS		1/4"-20	3/8" (10mm)	VN1025 ***	CNN20025	
W2-5WS		5/16"-18		VN1031	CNN30031	
W2-6WS		3/8"-16		VN1037 ***	CNN30037	
W2-7WS		7/16"-14		VN1044	--	
W5-8WS	■	1/2"-13		VN4050 *	CNN30050	
W5-10WS	■	5/8"-11		VN4062	CNN30062	
W5-12WS		3/4"-10		VN4075	CNN30075	
W2-10WS	●	5/8"-11		7/16" (11mm)	--	--
W2-8WS	●	1/2"-13		1/2" (13mm)	VN1050 **	CNN40050
W1-10WS	◆	5/8"-11			VN1062 *	CNN40062
W2-12WS	●	3/4"-10	VN1075		CNN40075	

■ = Use With 1 3/16" Channel  
 ● = Not For Use With 1 3/16", and 7/8"  
 ◆ = Use With 2-7/16", 2-1/2", and 3-1/4"  
 \* Available in Stainless  
 \*\* Available in Stainless and Aluminum  
 \*\*\* Available in Stainless, Aluminum and Hot-Dipped Galv.

## Channel Nut with Regular Spring

For 1-3/8" (35mm) & 1-5/8" (41mm) channel



Wide body on W2-10, W2-12, & W2-14 only

SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W2-0832	#8-32	1/4" (6mm)	VSN10100832	--
W2-1032	#10-32		VSN10101032	--
W2-1024	#10-24		VSN10101024	--
W2-4	1/4"-20		VSN1025 **	CNR20025
W2-5025	5/16"-18		--	CNR20031
W2-6025	3/8"-16		--	CNR20037
W2-5	5/16"-18	3/8" (10mm)	VSN1031	CNR30031
W2-6	3/8"-16		VSN1037 **	CNR30037
W2-7	7/16"-14		VSN1044	CNR30050
W2-8	1/2"-13	1/2" (13mm)	VSN1050 **	CNR40050
W2-10	5/8"-11		VSN1062 *	CNR40062
W2-12	3/4"-10		VSN1075	CNR40075
W2-14	7/8"-9		--	CNR40087

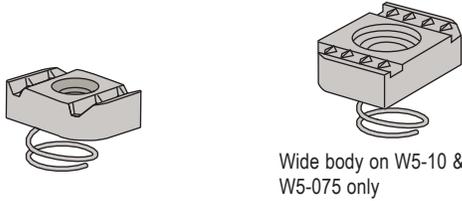
\* Available in Stainless  
 \*\* Available in Stainless, Aluminum and Hot-Dipped Galv.



Standard Finish: Electro Galvanized (EG)

## Channel Nut with Short Spring

For  $1\frac{3}{16}$ ",  $\frac{7}{8}$ ", & 1" channel



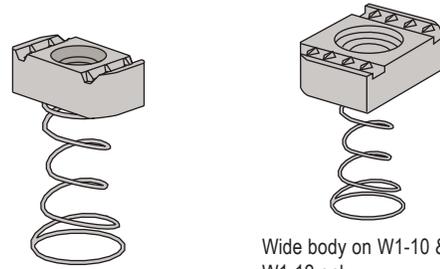
Wide body on W5-10 & W5-075 only

SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5-0832	#8-32	1/4" (6mm)	VSN40100832	W5-0832
W5-1032	#10-32		VSN40101032	W5-1032
W5-1024	#10-24		VSN40101024	W5-1024
W5-4	1/4"-20		VSN4025 *	CNS20025
W5-6025	3/8"-16		--	CNS20037
W5-5	5/16"-18	3/8" (10mm)	VSN4031	CNS30031
W5-6	3/8"-16		VSN4037 *	CNS30037
W5-044	7/16"-14		VSN4044	--
W5-8	1/2"-13		VSN4050 *	CNS30050
W5-10	5/8"-11		VSN4062	CNS30062
W5-075	3/4"-10		VSN4075	--

\* Available in Stainless

## Channel Nut with Long Spring

Fits 2-1/2" (64mm) thru 3-1/4" (83mm) channel



Wide body on W1-10 & W1-12 only

SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W1-0832	#8-32	1/4" (6mm)	VSN30100832 *	--
W1-1032	#10-32		VSN30101024 *	--
W1-1024	#10-24		VSN30101032 *	--
W1-4	1/4"-20	3/8" (10mm)	VSN3025	CNL20025
W1-5	5/16"-18		VSN3031	--
W1-6	3/8"-16		VSN3037	CNL30037
W1-7	7/16"-14	7/16" (11mm)	VSN3044	--
W1-10	5/8"-11		VSN3062	W1-10
W1-12	3/4"-10		VSN3075	W1-12
W1-8	1/2"-13	1/2" (13mm)	VSN3050	CNL40050

\* = Special Order

## Mini Nut with Standard Spring

Use with  $1\frac{3}{16}$ " x  $1\frac{3}{16}$ " (21mm x 21mm) Channel



SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
W6-0836	#8 - 36	0.150" (4mm)	--	--
W6-0832	#8 - 32		--	--
W6-1032	#10 - 32		--	--
W6-1024	#10 - 24		--	--
W6-4	1/4" - 20		--	--

## Mini Nut with Short Spring

Use with  $1\frac{3}{16}$ " x  $1\frac{1}{32}$ " (21mm x 10mm) Channel



SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
W7-0836	#8 - 36	0.150" (4mm)	--	--
W7-0832	#8 - 32		--	--
W7-1032	#10 - 32		--	--
W7-1024	#10 - 24		--	--
W7-4	1/4" - 20		--	--

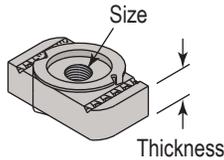


## Channel Nut with Cone



SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W2-4CN	1/4" - 20	1/4" (6mm)	--	--
W2-6CN	3/8" - 16	3/8" (10mm)	--	--
W2-8CN	1/2" - 13	1/2" (13mm)	--	--

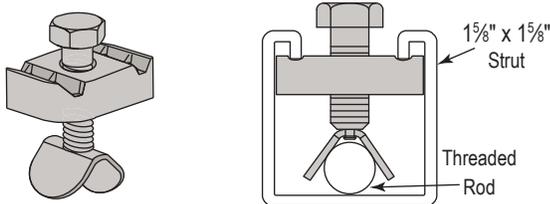
## Twist-Nut Channel Nut



SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W2-4TN	1/4" - 20	1/4" (6mm)	--	--
W2-6TN	3/8" - 16	3/8" (10mm)	--	--
W2-8TN	1/2" - 13	1/2" (13mm)	--	--

## Seismic Bracing Rod Stiffener

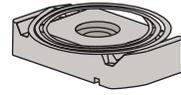
Use with 3/8", 1/2" & 5/8" Threaded Rod  
Available in Stainless Steel 316 & 304



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W2486	VN1RS	B2486

Available in Stainless Steel 316 & 304

## Channel Nut Top Spring

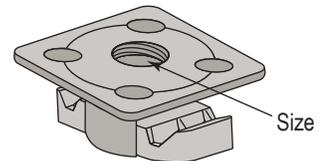


SPECIFYING Brand & Part No.	Use	Size	Thickness	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W2-0832TL		#8 - 32	1/4" (6mm)	--	W2-0832TL
W2-1032TL		#10 - 32		--	W2-1032TL
W2-1024TL		#10 - 24		--	W2-1024TL
W2-4TL		1/4" - 20	3/8" (10mm)	VSN1025TMS	CNT20025
W2-5TL		5/16" - 18		VSN1031TMS	W2-5TL
W2-6TL		3/8" - 16		VSN1037TMS	CNT30037
W5-8TL		1/2" - 13		--	CNT30050
W2-8TL	c	1/2" - 13		1/2" (13mm)	VSN1050TMS

c = Not for use with 1 3/16" Channel

## Combination Washer Channel Nut

- Replaces channel nut and square washer with single piece



SPECIFYING Brand & Part No.	Size	Nut Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W2-4NW	1/4" - 20	1/4" (6mm)	VF1101CN25	--
W2-6NW	3/8" - 16	3/8" (10mm)	VF1101CN37	--
W2-8NW	1/2" - 13		VF1101CN50	--

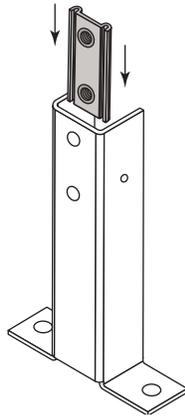
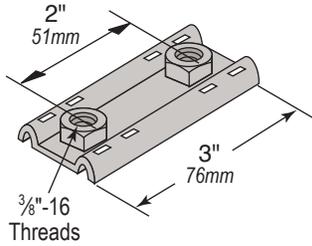


# Channel Nuts



Standard Finish: Electro Galvanized (EG)

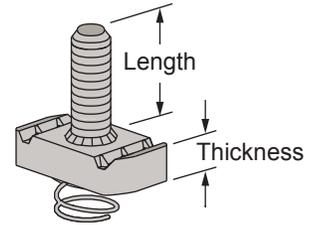
## Double Conveyor Adjusting Nut



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
<b>W6608</b>	VF5803GRS	--

## Stud Nut with Short Spring

Use with  $\frac{13}{16}$ ",  $\frac{7}{8}$ " & 1"



\* Remember that you lose  $\frac{1}{4}$ " (6mm) usable stud length when nut is inserted into channel

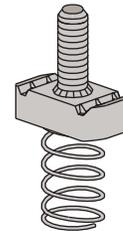
SPECIFYING Brand & Part No.	Size	Thickness	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W5-3SN</b>	$\frac{1}{2}$ "-13 x 1- $\frac{3}{8}$ "	$\frac{3}{8}$ " (10mm)	--	--

For Applications In other Channels Consult Factory.

## Stud Nut with Spring

Use with 1- $\frac{5}{8}$ " & 1- $\frac{3}{8}$ " Channel

\* Remember that you lose  $\frac{1}{4}$ " (6mm) usable stud length when nut is inserted into channel



SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W4-075SN</b>	$\frac{1}{4}$ " - 20 x $\frac{3}{4}$ "	SSN25075	--
<b>W4-087SN</b>	$\frac{1}{4}$ " - 20 x $\frac{7}{8}$ "	SSN25087	CND25087
<b>W4-100SN</b>	$\frac{1}{4}$ " - 20 x 1"	SSN25100	--
<b>W4-112SN</b>	$\frac{1}{4}$ " - 20 x 1- $\frac{1}{8}$ "	SSN25127	--
<b>W4-125SN</b>	$\frac{1}{4}$ " - 20 x 1- $\frac{1}{4}$ "	SSN25125	--
<b>W4-137SN</b>	$\frac{1}{4}$ " - 20 x 1- $\frac{3}{8}$ "	SSN25137	--
<b>W4-150SN</b>	$\frac{1}{4}$ " - 20 x 1- $\frac{1}{2}$ "	SSN25150	--
<b>W4-175SN</b>	$\frac{1}{4}$ " - 20 x 1- $\frac{3}{4}$ "	SSN25175	--
<b>W4-200SN</b>	$\frac{1}{4}$ " - 20 x 2"	SSN25200	--
<b>W5-075SN</b>	$\frac{5}{16}$ "-18 x $\frac{3}{4}$ "	SSN31075	--
<b>W5-100SN</b>	$\frac{5}{16}$ "-18 x 1"	SSN31100	--
<b>W5-125SN</b>	$\frac{5}{16}$ "-18 x 1- $\frac{1}{4}$ "	SSN31125	--
<b>W5-150SN</b>	$\frac{5}{16}$ "-18 x 1- $\frac{1}{2}$ "	SSN31150	--
<b>W5-175SN</b>	$\frac{5}{16}$ "-18 x 1- $\frac{3}{4}$ "	SSN31175	--
<b>W5-200SN</b>	$\frac{5}{16}$ "-18 x 2"	SSN31200	--
<b>W6-075SN</b>	$\frac{3}{8}$ " - 16 x $\frac{3}{4}$ "	SSN37075	--
<b>W6-087SN</b>	$\frac{3}{8}$ " - 16 x $\frac{7}{8}$ "	SSN37087	CND37112
<b>W6-100SN</b>	$\frac{3}{8}$ " - 16 x 1"	SSN37100	--
<b>W6-112SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{1}{8}$ "	SSN37112	--
<b>W6-125SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{1}{4}$ "	SSN37125	CND37125
<b>W6-137SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{3}{8}$ "	SSN37137	--
<b>W6-150SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{1}{2}$ "	SSN37150	--

SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W6-162SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{5}{8}$ "	SSN37162	CND37162
<b>W6-175SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{3}{4}$ "	SSN37175	--
<b>W6-187SN</b>	$\frac{3}{8}$ " - 16 x 1- $\frac{7}{8}$ "	SSN37187	--
<b>W6-200SN</b>	$\frac{3}{8}$ " - 16 x 2"	SSN37200	--
<b>W6-212SN</b>	$\frac{3}{8}$ " - 16 x 2- $\frac{1}{8}$ "	SSN37212	--
<b>W6-225SN</b>	$\frac{3}{8}$ " - 16 x 2- $\frac{1}{4}$ "	SSN37225	--
<b>W6-250SN</b>	$\frac{3}{8}$ " - 16 x 2- $\frac{1}{2}$ "	SSN37250	--
<b>W8-062SN</b>	$\frac{1}{2}$ " - 13 x $\frac{5}{8}$ "	SSN50062	--
<b>W8-087SN</b>	$\frac{1}{2}$ " - 13 x $\frac{7}{8}$ "	SSN50087	--
<b>W8-112SN</b>	$\frac{1}{2}$ " - 13 x 1- $\frac{1}{8}$ "	SSN50112	--
<b>W8-137SN</b>	$\frac{1}{2}$ " - 13 x 1- $\frac{3}{8}$ "	SSN50137	--
<b>W8-162SN</b>	$\frac{1}{2}$ " - 13 x 1- $\frac{5}{8}$ "	SSN50162	--
<b>W8-187SN</b>	$\frac{1}{2}$ " - 13 x 1- $\frac{7}{8}$ "	SSN50187	--
<b>W8-212SN</b>	$\frac{1}{2}$ " - 13 x 2- $\frac{1}{8}$ "	SSN50212	--
<b>W8-225SN</b>	$\frac{1}{2}$ " - 13 x 2- $\frac{1}{4}$ "	SSN50225	--
<b>W8-250SN</b>	$\frac{1}{2}$ " - 13 x 2- $\frac{1}{2}$ "	SSN50250	--
<b>W8-275SN</b>	$\frac{1}{2}$ " - 13 x 2- $\frac{3}{4}$ "	SSN50275	--
<b>W8-300SN</b>	$\frac{1}{2}$ " - 13 x 3"	SSN50300	--
<b>W8-325SN</b>	$\frac{1}{2}$ " - 13 x 3- $\frac{1}{4}$ "	SSN50325	--
<b>W10-112SN</b>	$\frac{5}{8}$ " - 11 x 1- $\frac{1}{8}$ "	--	--
<b>W10-137SN</b>	$\frac{5}{8}$ " - 11 x 1- $\frac{3}{8}$ "	--	--

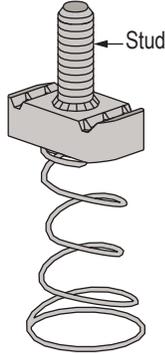
Available in stainless steel and custom stud lengths



## Stud Nut with Long Spring

Use with 2-7/16" & 3-1/4" Channel

\* Remember that you lose 1/4" (6mm) usable stud length when nut is inserted into channel



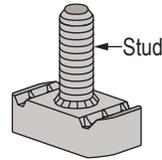
SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W4-087SNL	1/4" - 20 x 7/8"	-	-
W4-112SNL	1/4" - 20 x 1-1/8"	-	-
W4-137SNL	1/4" - 20 x 1-3/8"	-	-

SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6-087SNL	3/8" - 16 x 7/8"	-	-
W6-112SNL	3/8" - 16 x 1-1/8"	-	-
W6-137SNL	3/8" - 16 x 1-3/8"	-	-
W6-162SNL	3/8" - 16 x 1-5/8"	-	-
W6-187SNL	3/8" - 16 x 1-7/8"	-	-
W6-212SNL	3/8" - 16 x 2-1/8"	-	-
W8-112SNL	1/2" - 13 x 1-1/8"	-	-
W8-137SNL	1/2" - 13 x 1-3/8"	-	-
W8-162SNL	1/2" - 13 x 1-5/8"	-	-
W8-187SNL	1/2" - 13 x 1-7/8"	-	-
W8-212SNL	1/2" - 13 x 2-1/8"	-	-
W10-112SNL	5/8" - 11 x 1-1/8"	-	-
W10-137SNL	5/8" - 11 x 1-3/8"	-	-

## Stud Nut without Spring

Use with 1-5/8" & 1-3/8" Channel

\* Remember that you lose 1/4" (6mm) usable stud length when nut is inserted into channel



SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W4-075SNWS	1/4" - 20 x 3/4"	SN25075	-
W4-087SNWS	1/4" - 20 x 7/8"	SN25087	-
W4-100SNWS	1/4" - 20 x 1"	SN25100	-
W4-112SNWS	1/4" - 20 x 1-1/8"	SN25127	-
W4-125SNWS	1/4" - 20 x 1-1/4"	SN25125	-
W4-137SNWS	1/4" - 20 x 1-3/8"	SN25137	-
W4-150SNWS	1/4" - 20 x 1-1/2"	SN25150	-
W4-175SNWS	1/4" - 20 x 1-3/4"	SN25175	-
W4-200SNWS	1/4" - 20 x 2"	SN25200	-
W5-075SNWS	5/16" - 18 x 3/4"	SN31075	-
W5-100SNWS	5/16" - 18 x 1"	SN31100	-
W5-125SNWS	5/16" - 18 x 1-1/4"	SN31125	-
W5-150SNWS	5/16" - 18 x 1-1/2"	SN31150	-
W5-175SNWS	5/16" - 18 x 1-3/4"	SN31175	-
W5-200SNWS	5/16" - 18 x 2"	SN31200	-
W6-075SNWS	3/8" - 16 x 3/4"	SN37075	-
W6-087SNWS	3/8" - 16 x 7/8"	SN37087	-
W6-100SNWS	3/8" - 16 x 1"	SN37100	-
W6-0112SNWS	3/8" - 16 x 1-1/8"	SN37112	-
W6-125SNWS	3/8" - 16 x 1-1/4"	SN37125	-
W6-137SNWS	3/8" - 16 x 1-3/8"	SN37137	-
W6-150SNWS	3/8" - 16 x 1-1/2"	SN37150	-
W6-162SNWS	3/8" - 16 x 1-5/8"	SN37162	-

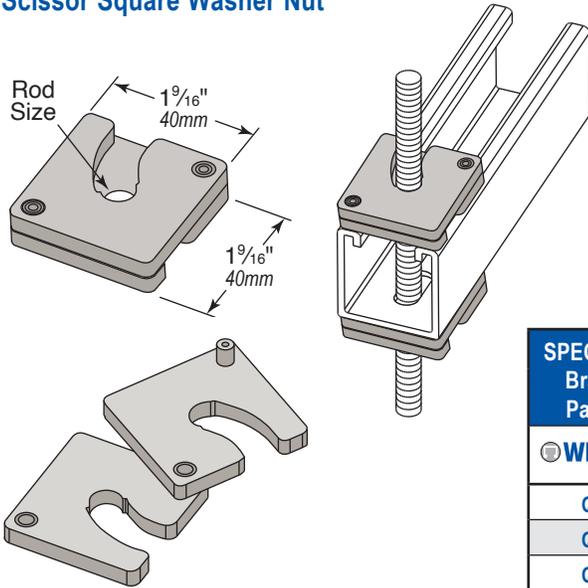
SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6-175SNWS	3/8" - 16 x 1-3/4"	SN37175	-
W6-187SNWS	3/8" - 16 x 1-7/8"	SN37187	-
W6-200SNWS	3/8" - 16 x 2"	SN37200	-
W6-212SNWS	3/8" - 16 x 2-1/8"	SN37212	-
W6-225SNWS	3/8" - 16 x 2-1/4"	SN37225	-
W6-250SNWS	3/8" - 16 x 2-1/2"	SN37250	-
W8-062SNWS	1/2" - 13 x 5/8"	SN50062	-
W8-087SNWS	1/2" - 13 x 7/8"	SN50087	-
W8-112SNWS	1/2" - 13 x 1-1/8"	SN50112	-
W8-137SNWS	1/2" - 13 x 1-3/8"	SN50137	-
W8-162SNWS	1/2" - 13 x 1-5/8"	SN50162	-
W8-187SNWS	1/2" - 13 x 1-7/8"	SN50187	-
W8-212SNWS	1/2" - 13 x 2-1/8"	SN50212	-
W8-225SNWS	1/2" - 13 x 2-1/4"	SN50225	-
W8-250SNWS	1/2" - 13 x 2-1/2"	SN50250	-
W8-275SNWS	1/2" - 13 x 2-3/4"	SN50275	-
W8-300SNWS	1/2" - 13 x 3"	SN50300	-
W8-325SNWS	1/2" - 13 x 3-1/4"	SN50325	-
W10-112SNWS	5/8" - 11 x 1-1/8"	-	-
W10-137SNWS	5/8" - 11 x 1-3/8"	-	-

Available in stainless steel and custom stud lengths



Standard Finish: Electro Galvanized (EG)

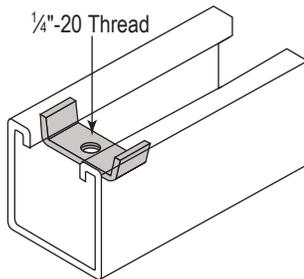
## Scissor Square Washer Nut



- Unique scissor action closes at any desired position on the threaded rod.
- Ideal for Retro-Fit applications where existing rod ends are not accessible.
- Functions as a hex nut and square washer combination which reduces the number of components needed for installation.

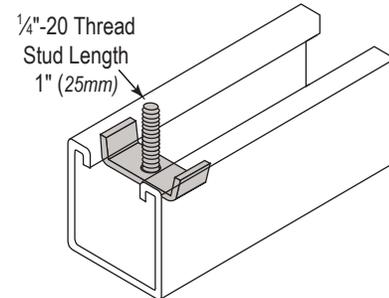
SPECIFYING Brand & Part No.	Rod Size	Thread Size UNC	Design Load Lbs	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>QN25</b>	¼" (6.4mm)	¼" -20	150 (0.67 kN)	VF1101QN25	--
<b>QN37</b>	⅜" (9.5mm)	⅜" -16	590 (2.62 kN)	VF1101QN37	--
<b>QN50</b>	½" (12.7mm)	½" -13	850 (03.78 kN)	VF1101QN50	--

## Light Duty Channel Nut



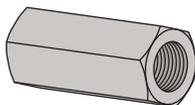
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
<b>W6461</b>	VN1	--

## Light Duty Stud Nut



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
<b>W4-100LDSN</b>	VN1ST	--

## Rod Coupling



SPECIFYING Brand & Part No.	Hole Size	Length	Hex Size	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>W7134</b>	¼" - 20	⅞" (22mm)	⅜" (10mm)	VTRC25	RC0025
<b>W7134A</b>	⅝" - 18		-	VTRC31	--
<b>W7135</b>	⅜" - 16	1-¾" (44mm)	⅞" (14mm)	VTRC37	RC0037
<b>W7136</b>	½" - 13		1 1/16" (18mm)	VTRC50	RC0050
<b>W7137</b>	⅝" - 11	2-½" (54mm)	-	VTRC62	--
<b>W7138</b>	¾" - 10	2-¼" (57mm)	-	VTRC75	--

\* Available in stainless steel



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

Rooftop Supports

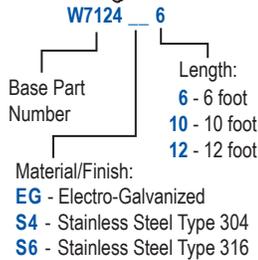
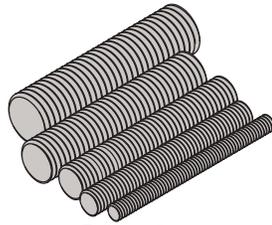
Fiberglass System

Technical Data

### Threaded Rod

Nominal Rod Dia. - UNC	Max. Safe Load @ Temp. 650°F (343°C)
1/4" - 20	240 lbs (1.07kN)
3/8" - 16	730 lbs (3.25kN)
1/2" - 13	1,350 lbs (6.01kN)
5/8" - 11	2,160 lbs (9.61kN)
3/4" - 10	3,230 lbs (14.37kN)
1" - 8	5,900 lbs (26.24kN)

\* Loading data for piping applications based on MSS SP-58 for rod conforming to ASTM A575 & A576



SPECIFYING Brand & Part No.	Nominal Rod Dia. - UNC	Length	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO W7124_6	1/4" - 20	6' (1.83m)	VTR256	--
W7124_10		10' (3.05m)	VTR2510	--
W7124_12		12' (3.66m)	VTR2512	--
W7125_6	3/8" - 16	6' (1.83m)	VTR376	--
W7125_10		10' (3.05m)	VTR3710	--
W7125_12		12' (3.66m)	VTR3712	--
W7126_6	1/2" - 13	6' (1.83m)	VTR506	--
W7126_10		10' (3.05m)	VTR5010	--
W7126_12		12' (3.66m)	VTR5012	--
W7127_6	5/8" - 11	6' (1.83m)	VTR626	--
W7127_10		10' (3.05m)	VTR6210	--
W7127_12		12' (3.66m)	VTR6212	--
W7128_10	3/4" - 10	10' (3.05m)	VTR7510	--
W7131_10	1" - 8	10' (3.05m)	--	--

\* Available in stainless steel Type 304 (S4) or Type 316 (S6)

### Flathead Machine Screws



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
FLMS25X062	1/4" x 5/8"	25X62FLMS	--
FLMS25X075	1/4" x 3/4"	25X75FLMS	--
FLMS31X100	5/16" x 1"	--	--
FLMS37X100	3/8" x 1"	37X1FLMS	--
FLMS37X200	3/8" x 2"	37X2FLMS	--
FLMS37X225	3/8" x 2-1/4"	37X225FLMS	--
FLMS37X250	3/8" x 2-1/2"	37X250FLMS	--

### Hex Head Cap Screw



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
WESANCO HHCS25X050	1/4" x 1/2"	25X50HHCS	--
HHCS25X075	1/4" x 3/4"	25X75HHCS	HCS2507
HHCS25X100	1/4" x 1"	25X1HHCS	HCS2510
HHCS25X125	1/4" x 1-1/4"	25X125HHCS	HCS2512
HHCS25X150	1/4" x 1-1/2"	25X150HHCS	HCS2515
HHCS37X075	3/8" x 3/4"	37X75HHCS	HCS3707
HHCS37X100	3/8" x 1"	37X1HHCS	HCS3710
HHCS37X125	3/8" x 1-1/4"	37X125HHCS	HCS3712
HHCS37X150	3/8" x 1-1/2"	37X150HHCS	HCS3715
HHCS37X200	3/8" x 2"	37X200HHCS	HCS3720
HHCS37X225	3/8" x 2-1/4"	37X225HHCS	--
HHCS37X250	3/8" x 2-1/2"	37X250HHCS	--
HHCS50X093	1/2" x 15/16"	50X93HHCS	--
HHCS50X100	1/2" x 1"	--	HCS5010
HHCS50X125	1/2" x 1-1/4"	50X125HHCS	HCS5012
HHCS50X150	1/2" x 1-1/2"	50X150HHCS	HCS5015
HHCS50X175	1/2" x 1-3/4"	50X175HHCS	HCS5017
HHCS50X200	1/2" x 2"	50X200HHCS	HCS5020
HHCS50X225	1/2" x 2-1/4"	50X225HHCS	--
HHCS50X250	1/2" x 2-1/2"	50X250HHCS	--
HHCS50X350	1/2" x 3-1/2"	50X350HHCS	--

\* Available in stainless steel

### Roundhead Machine Screws



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
RHMS25X050	1/4" x 1/2"	25X50RHMS	--
RHMS25X075	1/4" x 3/4"	25X75RHMS	W7470
RHMS25X100	1/4" x 1"	25X1RHMS	W7471
RHMS25X125	1/4" x 1-1/4"	25X125RHMS	W7472
RHMS31X100	5/16" x 1"	31X1RHMS	W7473
RHMS31X125	5/16" x 1-1/4"	31X125RHMS	W7474
RHMS31X150	5/16" x 1-1/2"	31X150RHMS	W7475
RHMS37X100	3/8" x 1"	37X1RHMS	W7476
RHMS37X125	3/8" x 1-1/4"	37X125RHMS	W7477
RHMS37X150	3/8" x 1-1/2"	37X150RHMS	W7478
RHMS37X250	3/8" x 2-1/2"	37X250RHMS	W7479



Standard Finish: Electro Galvanized (EG)

## Slotted Indented Hex Machine Screw



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
SLHHCS25X075	1/4" x 3/4"	25X75SLHHCS	--
SLHHCS31X100	5/16" x 1"	31X1SLHHCS	--
SLHHCS37X125	3/8" x 1-1/4"	37X125SLHHCS	--

## Hex Nut



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
HN25	1/4"	25HN	HN0025
HN31	5/16"	31HN	--
HN37	3/8"	37HN	HN0037
HN50	1/2"	50FN	HN0050
HN62	5/8"	62FN	HN0062
HN75	3/4"	--	HN0075

\* Available in stainless steel

## Square Nuts



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
SQN25	1/4"	25SQN	--
SQN31	5/16"	31SQN	--
SQN37	3/8"	37SQN	--
SQN50	1/2"	50SQN	--
SQN62	5/8"	62SQN	--

## Keyp Nuts



SPECIFYING Brand & Part No.	Size UNC	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
KN25	1/4"	--	--
KN31	5/16"	--	--
KN37	3/8"	--	--

## Flat Washer



SPECIFYING Brand & Part No.	Size	OD	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
FW25	1/4"	3/4" (19mm)	25FW	FW0025
FW31	5/16"		31FW	--
FW37	3/8"	1" (25mm)	37FW	FW0037
FW50	1/2"	1-3/8" (35mm)	50FW	FW0050
FW62	5/8"	1-3/4" (44mm)	62FW	FW0062
FW75	3/4"	2" (51mm)	--	FW0075

\* Available in stainless steel

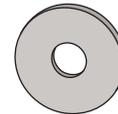
## Lock Washers



SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
LW25	1/4"	25LW	FLW0025
LW31	5/16"	31LW	--
LW37	3/8"	37LW	FLW0037
LW50	1/2"	50LW	FLW0050
LW62	5/8"	62LW	FLW0062

\* Available in stainless steel

## Fender Washers



SPECIFYING Brand & Part No.	Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
FEN25	1/4" x 1-1/4"	FEN25	--
FEN31	5/16" x 1-1/4"	FEN31	--
FEN37	3/8" x 1-1/2"	FEN37	--
FEN50	1/2" x 1-1/2"	FEN50	--



## Swivel Female



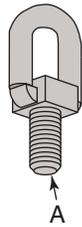
SPECIFYING Brand & Part No.	A Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6905	3/8"-16	VXE237	SW100037
W6906	1/2"-13	VXE250	SW100050

## Swivel Female - Female



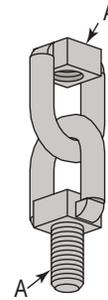
SPECIFYING Brand & Part No.	A Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6915	3/8"-16	VXE137	SW120037
W6916	1/2"-13	VXE150	SW120050

## Swivel Male



SPECIFYING Brand & Part No.	A Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6910	3/8"-16	VXE437	SW110037
W6911	1/2"-13	VXE450	SW110050

## Swivel Male - Female



SPECIFYING Brand & Part No.	A Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6920	3/8"-16	VXE337	SW130037
W6921	1/2"-13	VXE350	SW130050

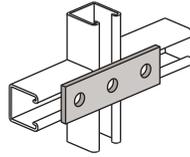


# General Fittings



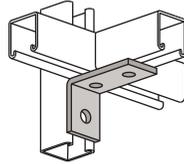
## Flat Plate Fittings

Pages 78 - 83



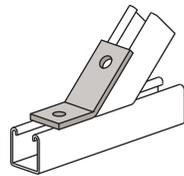
## 90° Angle Fittings

Pages 83 - 88



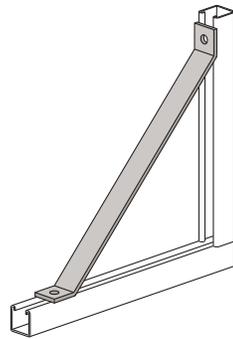
## Angle Fittings

Pages 89 - 90



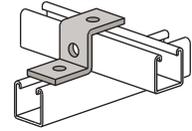
## Brace Fittings

Pages 91 - 93



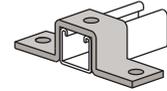
## “Z” Fittings

Pages 94 - 95



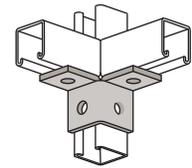
## “U” Shape Fittings

Pages 95 - 99



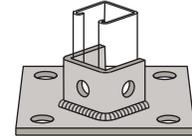
## Wing Fittings

Pages 100 - 103



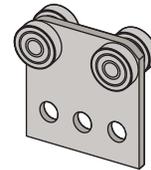
## Post Bases

Pages 103 - 106



## Trolley

Pages 107 - 108

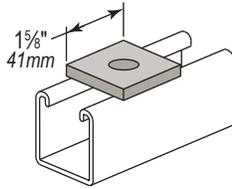


Fittings Specifications		
Material	ASTM	ASTM Description
Hot Rolled Plate	A 575, A 1011, A 1018, A 576, A638	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting: Steel	A 366, A 36	Steel carbon, cold rolled sheet, commercial quality structural steel.
Strip Steel: Pipe Clamps	A 569	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Stainless Steel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum	B 221	Aluminum alloy extruded bar, rod, wire, shape and tube.

Fitting Finish Specifications	
Finish	Description
Paint-Green Powder Coating	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

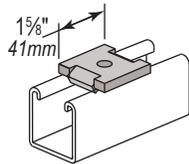
See page 23 for Material or Finish ordering codes for part numbers.

## Square Washer without Channel Guide



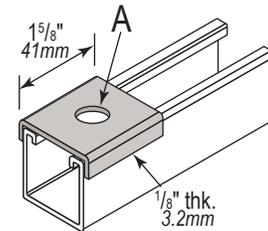
SPECIFYING Brand & Part No.	Bolt Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5051	1/4" (6.4mm)	VF110125	F100025
W5052	5/16" (7.9mm)	VF110125	F090031
W5053	3/8" (9.5mm)	VF110137	F110037
W5054	1/2" (12.7mm)	VF110150	F120050
W5055	5/8" (15.9mm)	VF110162	F130062
W5056	3/4" (19.1mm)	VF110175	F140075
W5057	7/8" (22.2mm)	VF110187	F150087

## Square Washer with Channel Guide



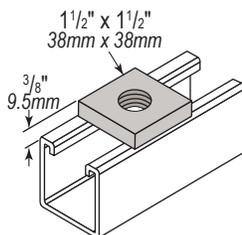
SPECIFYING Brand & Part No.	Bolt Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5002	1/4" (6.4mm)	VF1101N25	F200025
W5002	5/16" (7.9mm)	VF1101N25	W5002
W5003	3/8" (9.5mm)	VF1101N37	F210037
W5004	1/2" (12.7mm)	VF1101N50	F220050
W5005	5/8" (15.9mm)	VF1101N62	F230062
W5006	3/4" (19.1mm)	VF1101N75	F240075

## Square Washer with Clip on Guide



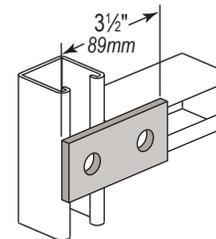
SPECIFYING Brand & Part No.	Bolt Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5052U	1/4"-20 (6.4mm)	VF110225	--
W5053U	3/8"-16 (9.5mm)	VF110237	--
W5054U	1/2"-13 (12.7mm)	VF110250	--
W5055U	5/8"-11 (15.9mm)	VF110262	--
W5056U	3/4"-10 (19.1mm)	VF110275	--

## Square Washer with Threaded Hole



SPECIFYING Brand & Part No.	Bolt Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5053T	3/8"-16 (9.5mm)	VF1107A	--
W5054T	1/2"-13 (12.7mm)	VF1107B	--
W5055T	5/8"-11 (15.9mm)	VF1107C	--

## 2-Hole Splice Plate



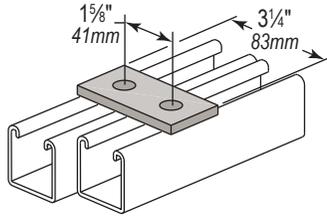
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5007	VF1201	F30

Hole Diameter: 5/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



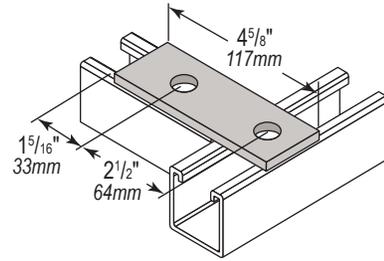
Standard Finish: Electro Galvanized (EG)

## 2-Hole Parallel Splice Plate



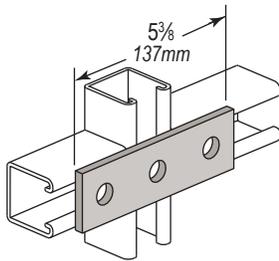
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5013		VF1204	F34

## 2-Hole Perpendicular Splice Plate



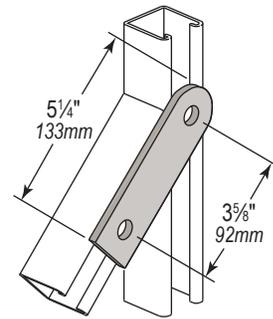
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WESANCO		VERSABAR	FLORIDA STRUT
W5015		VF1211	--

## 3-Hole Splice Plate



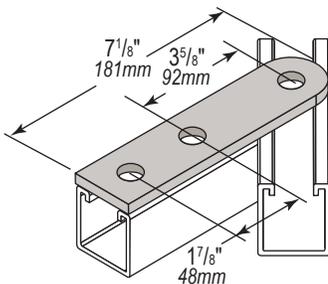
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5008		VF1302	F31

## 2-Hole Swivel Plate



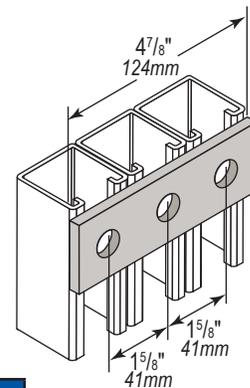
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5011		VF1203	F40

## 3-Hole Swivel Brace Connector



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5012		VF1310	F41

## 3-Hole Flat Plate



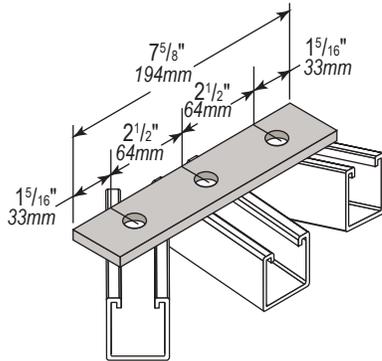
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5016		VF1306	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



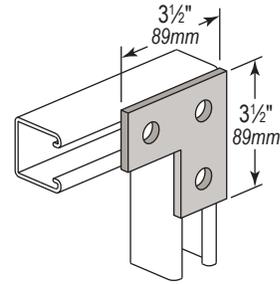
Standard Finish: Electro Galvanized (EG)

## 3-Hole Flat Plate



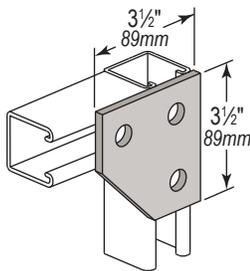
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5017	VF1316	--

## 3-Hole Flat Angle Plate



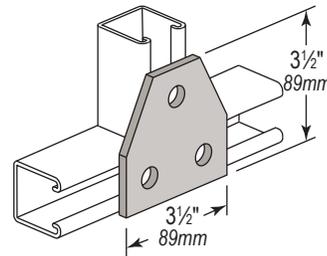
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5021	VF1301	F50

## 3-Hole Corner Gusset Plate



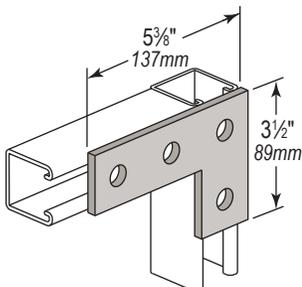
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5030	VF1304	F52

## 3-Hole Tee Gusset Plate



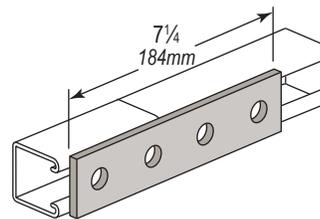
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5031	VF1305	F61

## 4-Hole Extended Flat Angle



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5025	VF1406A	F51

## 4-Hole Splice plate



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5009	VF1402	F32

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

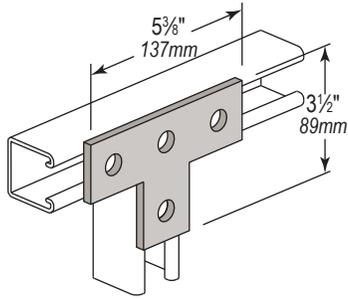


# Flat Plate Fittings



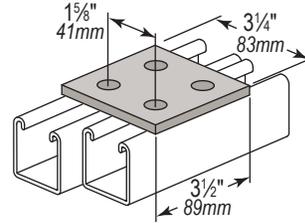
Standard Finish: Electro Galvanized (EG)

## 4-Hole Tee Plate



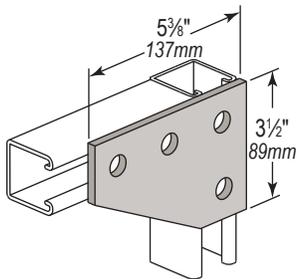
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5022		VF1401	F60

## 4-Hole Parallel Splice Plate



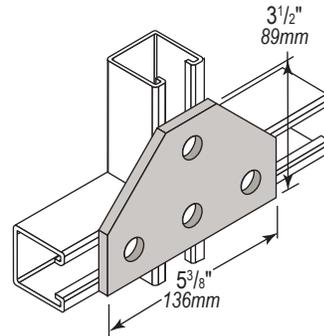
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5014		VF1412	F35

## 4-Hole Corner Plate



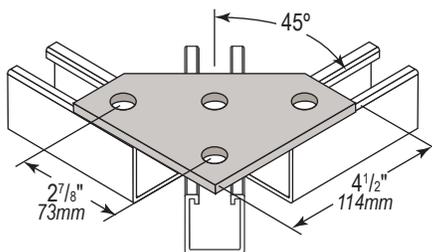
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5024		VF1406	F53

## 4-Hole Triangle Flat Plate



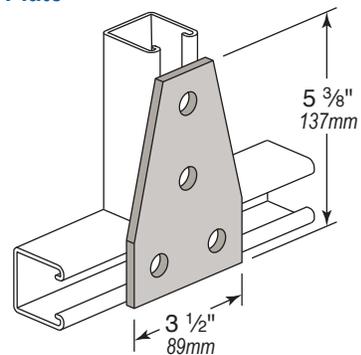
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5018		VF1403	--

## 4-Hole Double Brace Connector



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5019		VF1411	--

## 4-Hole Gusset Plate



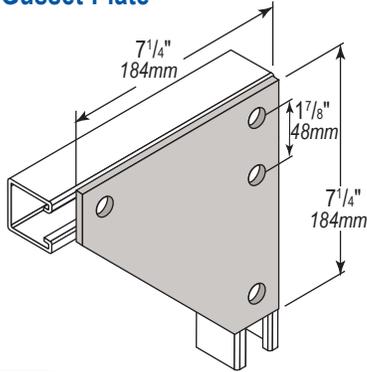
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5026		VF1404	F62

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



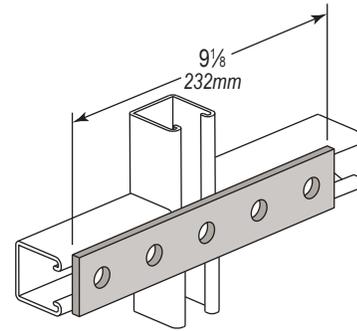
Standard Finish: Electro Galvanized (EG)

## 4-Hole Corner Gusset Plate



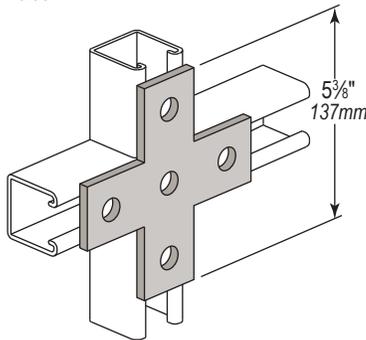
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5036	VF1419	--

## 5-Hole Splice Plate



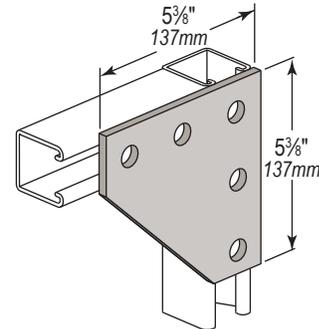
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5010	VF1506	F33

## 5-Hole Cross Plate



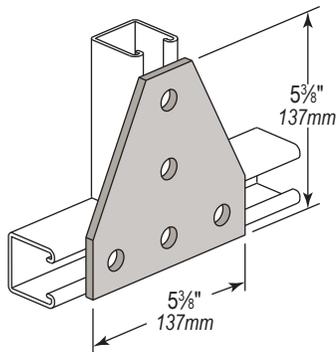
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5023	VF1501	F70

## 5-Hole Corner Gusset Plate



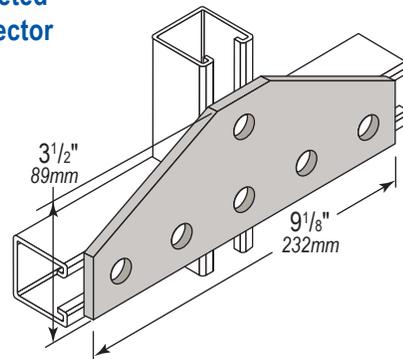
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5028	VF1505	F54

## 5-Hole Gusset Plate



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5027	VF1504	F63

## 6-Hole Gusseted Cross Connector



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5037	VF1602	--

Hole Diameter: 5/8" (14mm); Hole Spacing - From End: 1 3/8" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)

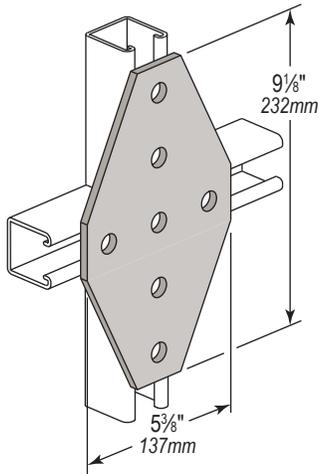


# Flat Plate & 90° Angle Fittings



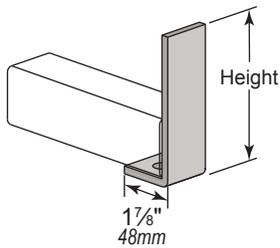
Standard Finish: Electro Galvanized (EG)

## 7-Hole Cross Gusset Plate



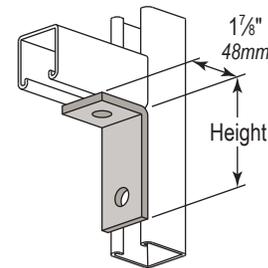
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5029</b>	VF1704	F71

## 1-Hole Angle Washer



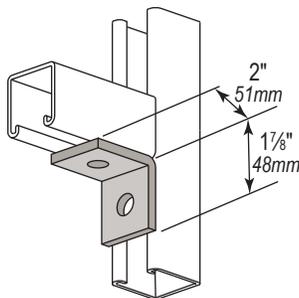
SPECIFYING Brand & Part No.	Height	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
<b>W5160</b>	3-7/8" (98mm)	VF2121	L70

## 2-Hole Corner Angle Washer



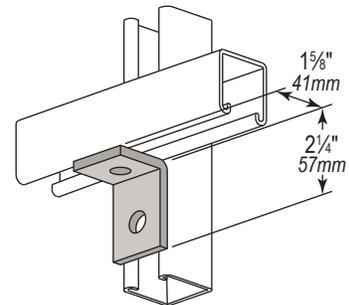
SPECIFYING Brand & Part No.	Height	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
<b>W5142</b>	3" (76mm)	VF2205A	L14
<b>W5143</b>	3-1/2" (89mm)	VF2205B	L15
<b>W5144</b>	4" (102mm)	VF2205C	L16

## 2-Hole End Connector



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5103</b>	VF2201	L11

## 2-Hole Rack Connector



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5102</b>	VF2202	L20

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

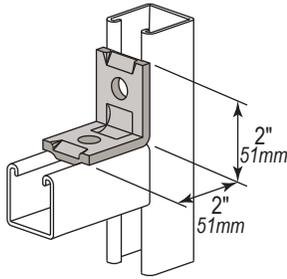
Roofing Supports

Fiberglass System

Technical Data

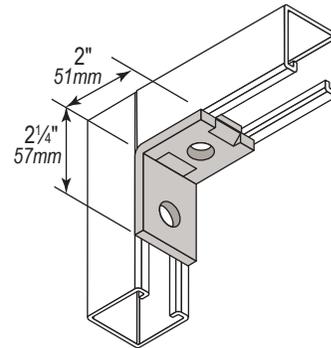
Standard Finish: Electro Galvanized (EG)

## 2-Hole Rack Connector with Two End Notches



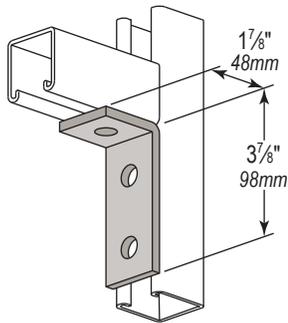
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5104</b>	VF2204N	L10

## 2-Hole Rack Connector with One End Notch



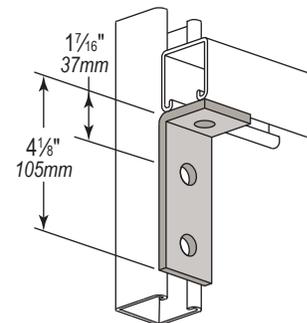
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5101</b>	VF2209N	--

## 3-Hole End Connector



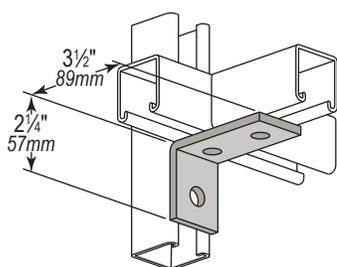
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5113</b>	VF2305	L12

## 3-Hole Column Stringer Connector



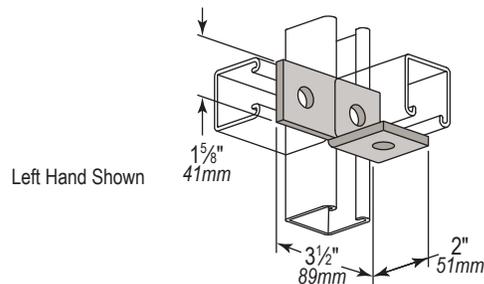
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5112</b>	VF2304	L21

## 3-Hole Rack Corner Angle



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5115</b>	VF2308	L30

## 3-Hole Angle Connector, Left or Right Hand



SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
<b>W5136</b>	Left Handed	VF2315L	--
<b>W5135</b>	Right Handed	VF2315R	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

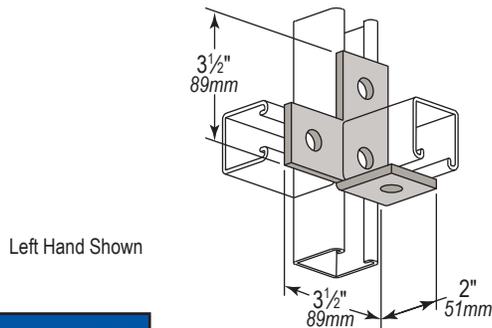


# 90° Angle Fittings



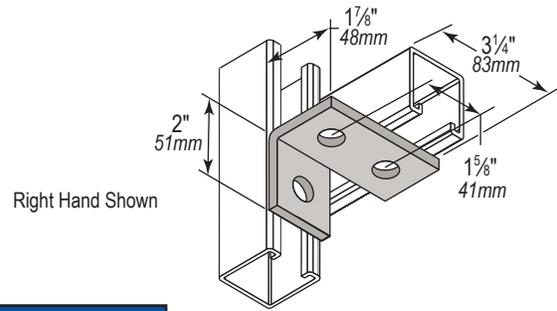
Standard Finish: Electro Galvanized (EG)

## 4-Hole Angle Connector, Left or Right Hand



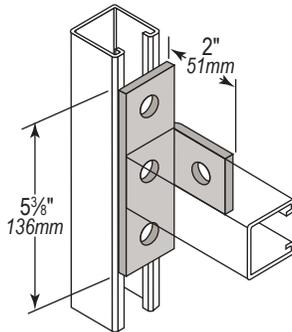
SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5140	Left Handed	VF2402L	L51
W5141	Right Handed	VF2402R	L52

## 3-Hole Angle Connector, Left or Right Hand



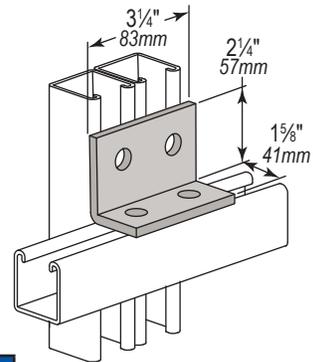
SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5138	Left Hand	VF2301L	--
W5139	Right Hand	VF2301R	--

## 4-Hole Offset Corner Angle



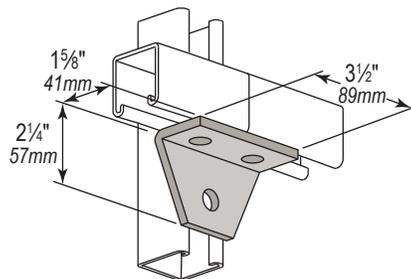
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5137	VF2401	L50

## 4-Hole, Two Column Strut Splice Connector



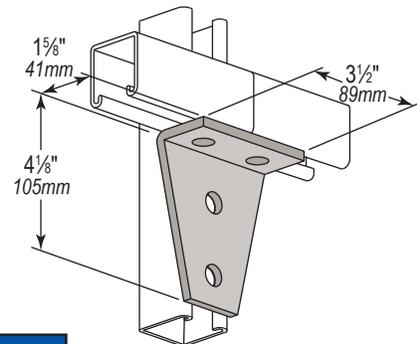
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5126	VF2417	--

## 3-Hole Rack Splice Connector



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5110	VF2310	L22

## 4-Hole Rack Splice Connector



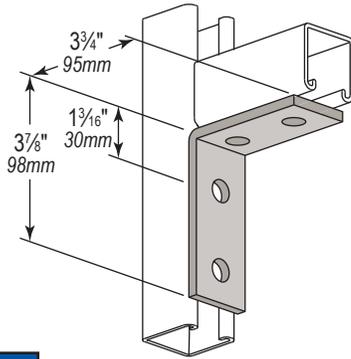
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5109	VF2410	L24

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 1/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



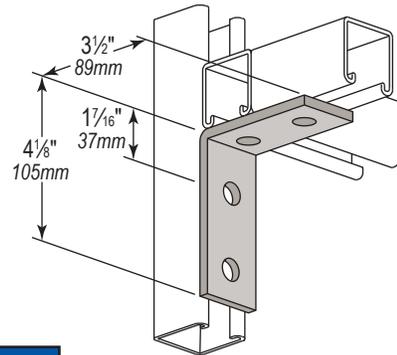
Standard Finish: Electro Galvanized (EG)

## 4-Hole Corner Connector



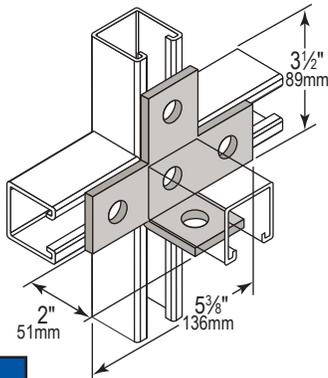
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5125</b>	VF2403	L13

## 4-Hole Rack Corner Angle



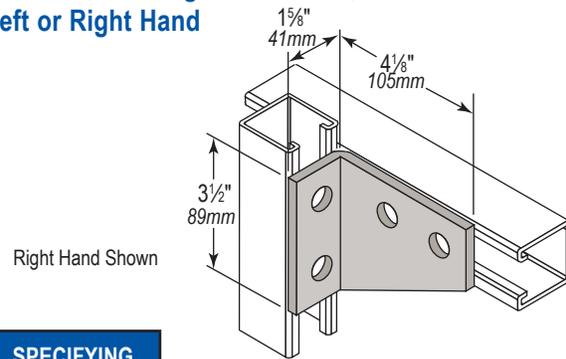
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5123</b>	VF2407	L31

## 5-Hole Cross With 90° Angle Leg



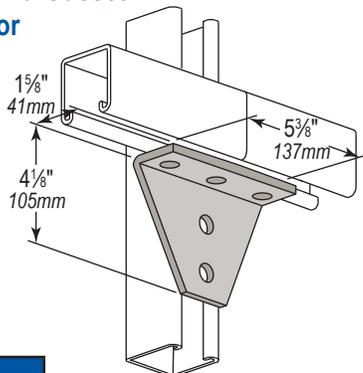
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5152</b>	VF2506	--

## 4-Hole Post/Stringer Connector, Left or Right Hand



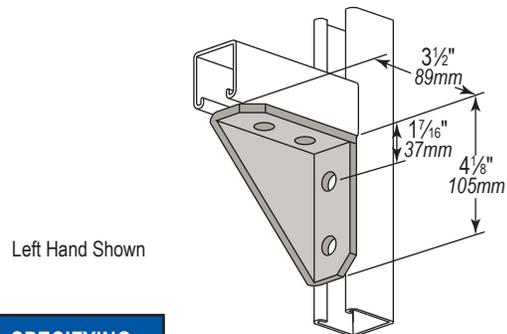
SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W5133</b>	Left Hand	VF2411L	--
<b>W5134</b>	Right Hand	VF2411R	--

## 5-Hole Right Hand Gusset Angle Connector



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5118</b>	VF2512	L23

## 4-Hole Gusset Corner Angle, Left or Right Hand



SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W5121</b>	Left Hand	VF2426L	L35
<b>W5122</b>	Right Hand	VF2426R	L36

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)

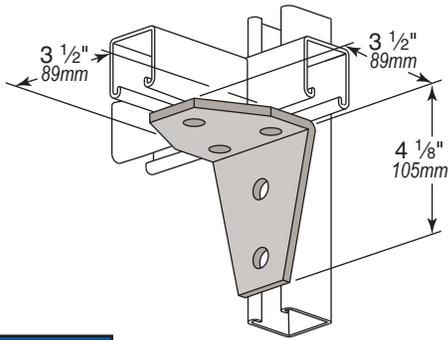


# 90° Angle Fittings



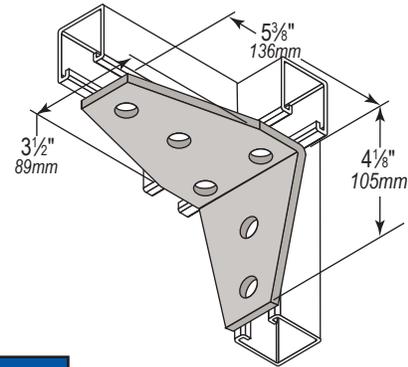
Standard Finish: Electro Galvanized (EG)

## 5-Hole Corner Splice Connector



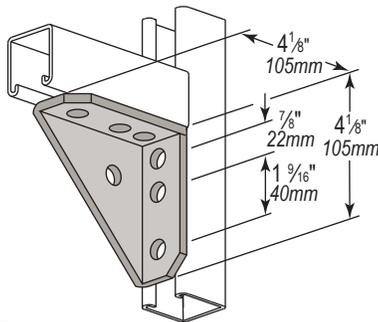
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5117		VF2510	L33

## 6-Hole, 3-Way Mid Column Connector



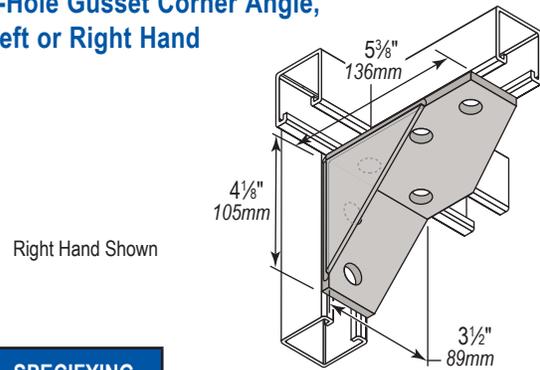
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5154		VF2604	--

## Universal Corner Angle



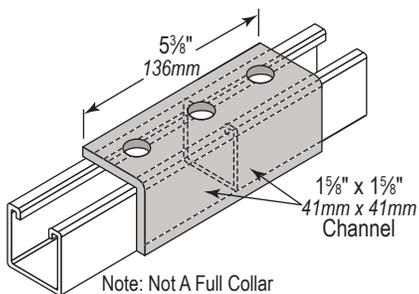
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.		
WESANCO	Description	VERSABAR	FLORIDA STRUT	
	W5124	Plain	VF2708	L34
	W5124W	Welded	VF2708W	L34W

## 6-Hole Gusset Corner Angle, Left or Right Hand



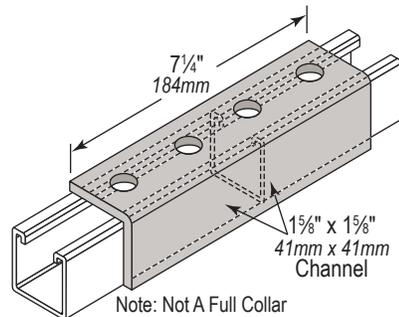
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.		
WESANCO	Description	VERSABAR	FLORIDA STRUT	
	W5156	Left Hand	VF2703L	--
	W5157	Right Hand	VF2703R	--

## 3-Hole Right Angle End Splice



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5158		VF2320	--

## 4-Hole Right Angle End Splice



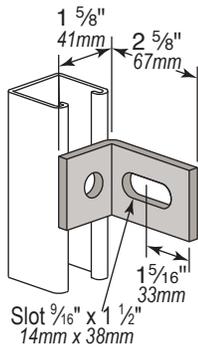
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5159		VF2418	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



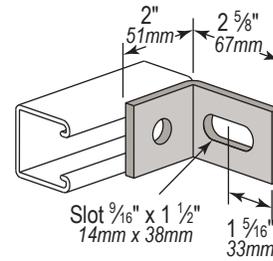
Standard Finish: Electro Galvanized (EG)

## 2-Hole Vertical Adjustment Angle



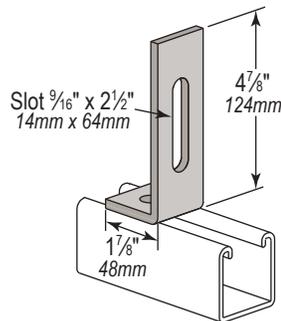
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5106	VF2228A	L40

## 2-Hole Horizontal Adjustment Angle



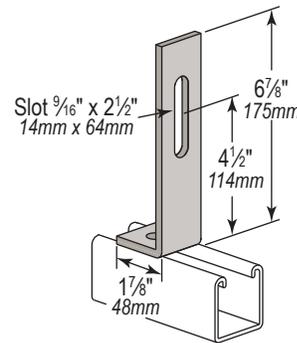
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5105	VF2217	--

## 2-Hole Adjustment Angle



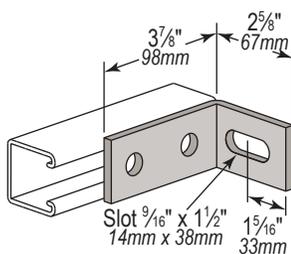
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5107	VF2208	L41

## 2-Hole Adjustment Angle



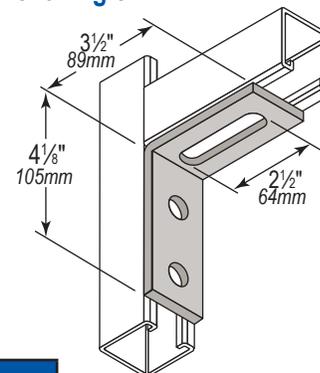
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5108	VF2208A	L42

## 3-Hole Adjustment Angle



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5111	VF2507	L43

## 3-Hole Adjustment Angle



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5153	VF2511	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

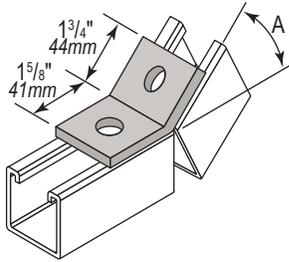


# Angle Fittings



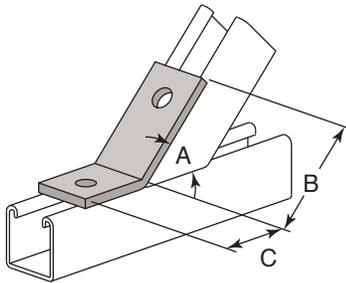
Standard Finish: Electro Galvanized (EG)

## 2-Hole Small Open Angle



SPECIFYING Brand & Part No.	A	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5470-825	82-1/2°	VF32488250	-
W5470-75	75°	VF324875	-
W5470-675	67-1/2°	VF32486750	-
W5470-60	60°	VF324860	-
W5470-525	52-1/2°	VF324852150	-
W5470-45	45°	VF324845	-
W5470-375	37-1/2°	VF32483750	-
W5470-30	30°	VF324830	-
W5470-225	22-1/2°	VF32482250	-
W5470-15	15°	VF324815	--
W5470-075	7-1/2°	VF3248750	--

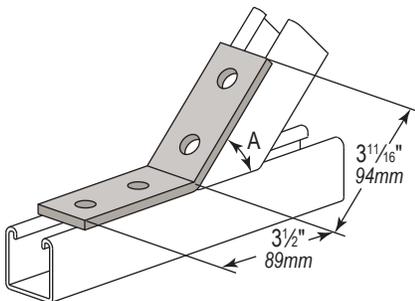
## 2-Hole Open Angle



"A" is available in any angle up to 90°. Dimensions shown may vary based on specified angle.

SPECIFYING Brand & Part No.	A	B	C	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W5420	82-1/2°	3 1/2" (89mm)	1 3/4" (44mm)	VF32078250	-
W5421	75°	3 1/2" (89mm)	1 3/4" (44mm)	VF320875	-
W5422	67-1/2°	3 1/2" (89mm)	1 3/4" (44mm)	VF32106750	-
W5423	60°	3 3/8" (86mm)	1 7/8" (48mm)	VF320660	--
W5424	52-1/2°	3 1/4" (83mm)	2 1/16" (52mm)	VF32115250	-
W5425	45°	3" (76mm)	2 5/16" (59mm)	VF230345	L60
W5426	37-1/2°	3 1/2" (89mm)	1 3/4" (44mm)	VF32123750	-
W5427	30°	3 1/4" (83mm)	2 1/16" (52mm)	VF321430	-
W5428	22-1/2°	3 5/16" (100mm)	2 1/16" (52mm)	VF32152250	-
W5429	15°	3 5/16" (100mm)	2 1/16" (52mm)	VF321615	-
W5430	7-1/2°	3 5/16" (100mm)	2 1/16" (52mm)	VF3217750	-

## 4-Hole Open Angle



"A" is available in any angle up to 90°. Dimensions shown may vary based on specified angle.

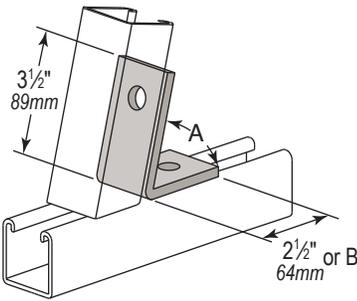
SPECIFYING Brand & Part No.	A	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W5440	82-1/2°	VF34028250	-
W5441	75°	VF340275	-
W5442	67-1/2°	VF34026750	-
W5443	60°	VF340260	--
W5444	52-1/2°	VF34025250	-
W5445	45°	VF340245	L62
W5446	37-1/2°	VF34023750	-
W5447	30°	VF340230	--
W5448	22-1/2°	VF34022250	-
W5449	15°	VF340215	-
W5450	7-1/2°	VF3402750	-

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

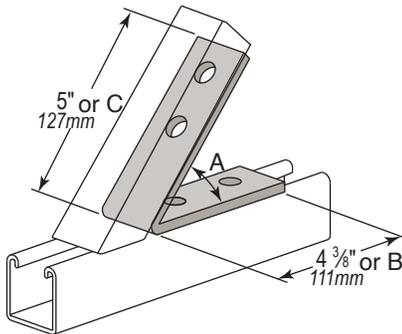
## 2-Hole Closed Angle



"A" is available in any angle up to 90°. Dimensions shown may vary based on specified angle.

SPECIFYING Brand & Part No.	A	B (W & FS)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5460	82-1/2°	—	VF32188250	—
W5461	75°	—	VF321975	—
W5462	67-1/2°	—	VF32206750	—
W5463	60°	2-25/32" (71mm)	VF320560	--
W5464	52-1/2°	—	VF32215250	—
W5465	45°	3-1/16" (78mm)	VF320245	L61
W5466	37-1/2°	—	VF32223750	—

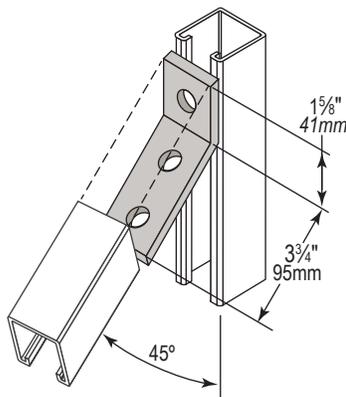
## 4-Hole Closed Angle



"A" is available in any angle up to 90°. Dimensions shown may vary based on specified angle.

SPECIFYING Brand & Part No.	A	B (W & FS)	C (W & FS)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W5410	82-1/2°	—	—	VF34248250	—
W5411	75°	—	—	VF342575	—
W5412	67-1/2°	—	—	VF34266750	—
W5413	60°	4-21/32" (118mm)	4-5/8" (117mm)	VF342760	--
W5414	52-1/2°	—	—	VF34285250	—
W5415	45°	4-15/16" (125mm)	4-1/32" (110mm)	VF342945	L63
W5416	37-1/2°	—	—	VF34303750	—
W5417	30°	—	—	—	—

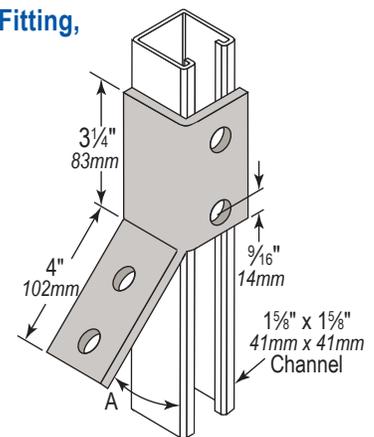
## 3-Hole 45° Open Angle



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W5431	VF330145	--

## 4-Hole 45° Angle Wing Fitting, Left or Right Hand

Right Hand Shown  
Collar fits: 1-5/8" x 1-5/8" Channel



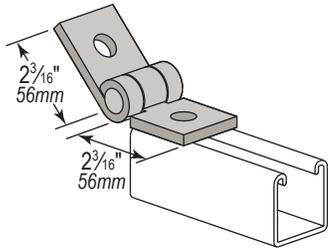
SPECIFYING Brand & Part No.	Description	A	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5562L	Left Hand	45°	VF6409L45	—
W5562R	Right Hand	45°	VF6409R45	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



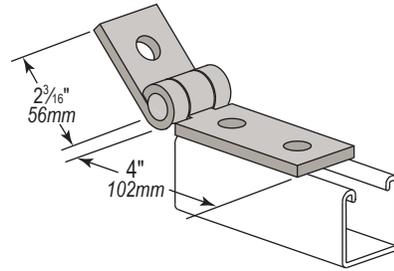
Standard Finish: Electro Galvanized (EG)

## 2-Hole Adjustable Hinge Connection



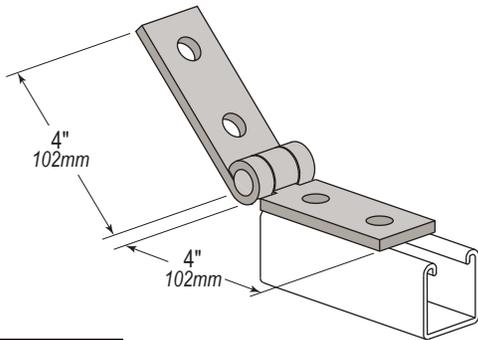
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W5490	VERSABAR	FLORIDA STRUT
	--	--

## 3-Hole Adjustable Hinge Connection



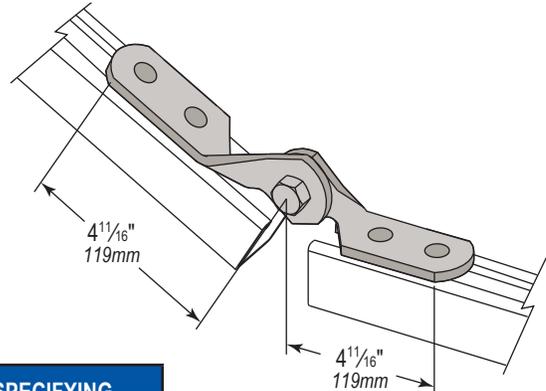
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W5491	VERSABAR	FLORIDA STRUT
	--	--

## 4-Hole Adjustable Hinge Connection



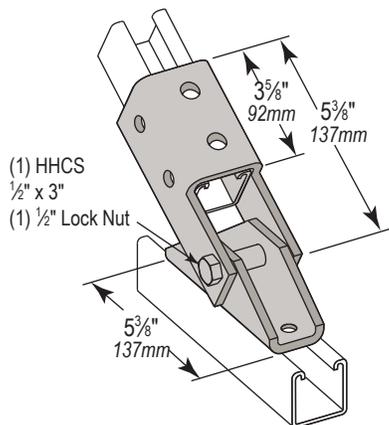
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W5492	VERSABAR	FLORIDA STRUT
	--	--

## 4-Hole Adjustable Angle Fitting



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W5495	VERSABAR	FLORIDA STRUT
	--	--

## Single Adjustable Angle Brace Fitting



Wrap around clevis designed to accommodate 1-5/8" channel.

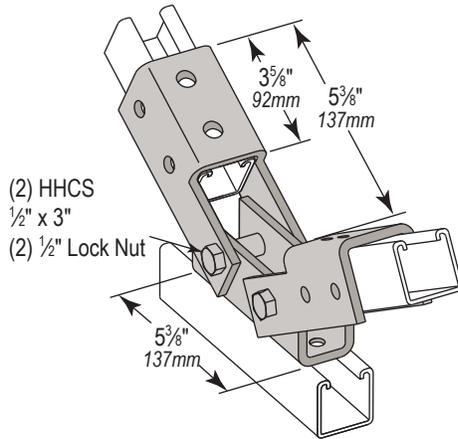
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W5480	VERSABAR	FLORIDA STRUT
	VF7046	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

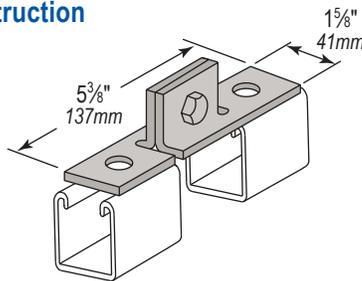
## Double Adjustable Angle Brace Fitting



Wrap around clevis designed to accommodate 1-5/8" channel.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
WESANCO W5485	VF7047	--

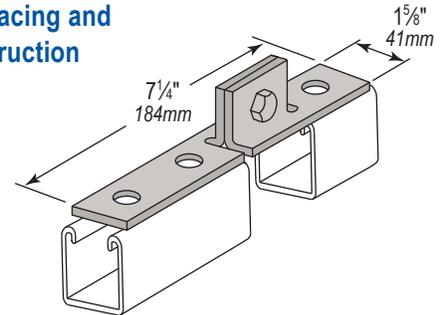
## 2-Hole Adjustable Hinge Fitting for Seismic Bracing and General Construction



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
WESANCO W5496	VF1201H	--

Available in stainless steel

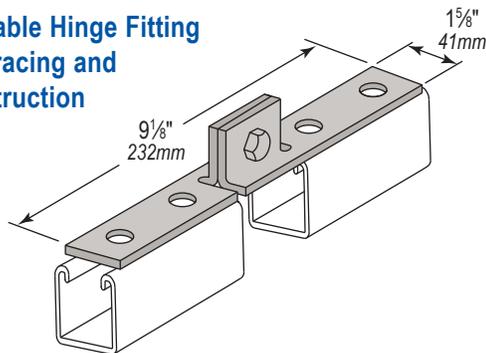
## 3-Hole Adjustable Hinge Fitting for Seismic Bracing and General Construction



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
WESANCO W5497	VF1302H	--

Available in stainless steel

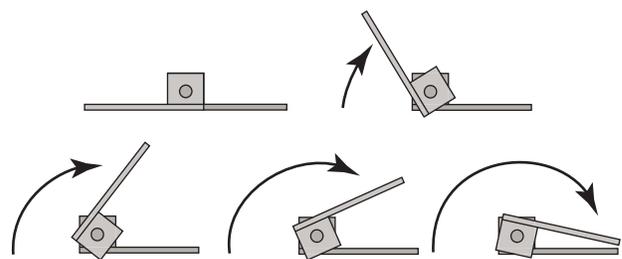
## 4-Hole Adjustable Hinge Fitting for Seismic Bracing and General Construction



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
WESANCO W5498	VF1402H	--

Available in stainless steel

Allows adjustable tension through full range of motion



These fittings allow a full range of motion, and are compatible with all 1-5/8" standard channels.

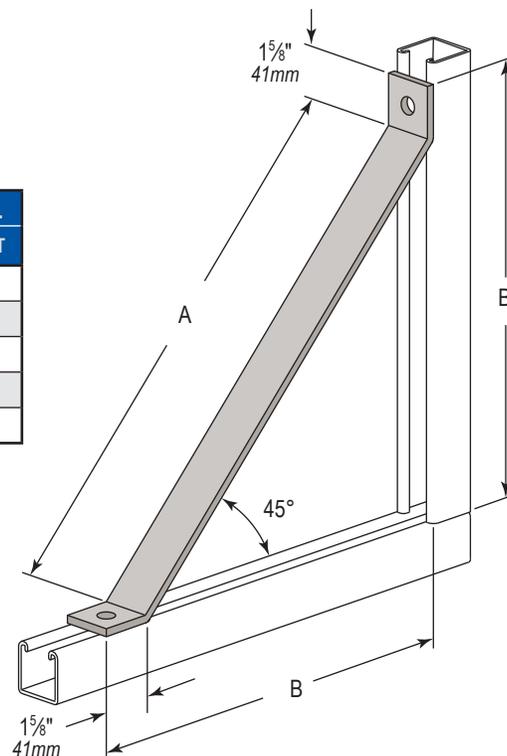
Hole Diameter: 5/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



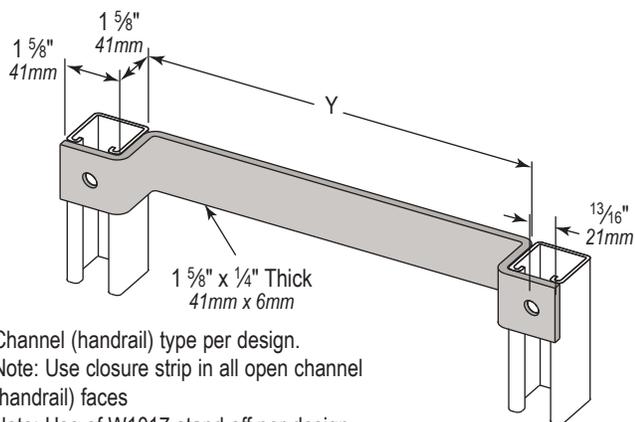
Standard Finish: Electro Galvanized (EG)

## 45° Angular Corner Brace

SPECIFYING Brand & Part No.	A	B	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5471	8" (203mm)	7-1/2" (191mm)	VF32508	L80
W5472	12" (305mm)	10-1/8" (257mm)	VF325012	L81
W5473	16-5/8" (422mm)	13-3/8" (340mm)	--	L82
W5474	18" (457mm)	14-3/8" (365mm)	VF325018	L83
W5475	24" (610mm)	VF325024	L84	



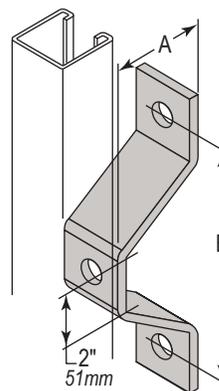
## Utility Vault Ladder Rung



Channel (handrail) type per design.  
 Note: Use closure strip in all open channel (handrail) faces  
 Note: Use of W1017 stand off per design

SPECIFYING Brand & Part No.	Y	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W10236	6" (152mm)	--	--
W10238	8" (203mm)	--	--
W102310	10" (254mm)	--	--
W102312	12" (305mm)	VF6108	--
W102316	16" (406mm)	--	--
W102318	18" (457mm)	VF6110	--
W102324	24" (610mm)	--	--

## Ladder Assembly Fitting

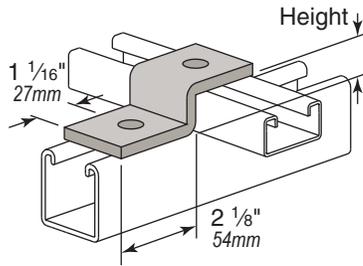


SPECIFYING Brand & Part No.	A	B	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W1017B	2-3/8" (60mm)	6" (152mm)	VF6111	--
W1017C	4-3/8" (111mm)	8" (203mm)	VF6112	--
W1017D	6-3/8" (162mm)	10" (254mm)	VF6113	--
W1017E	8-3/8" (213mm)	12" (305mm)	VF6114	--
W1017F	10-3/8" (263mm)	14" (356mm)	VF6115	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

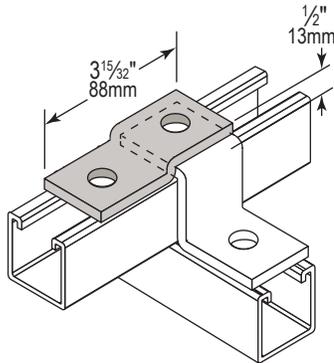


## 2-Hole Z Fitting



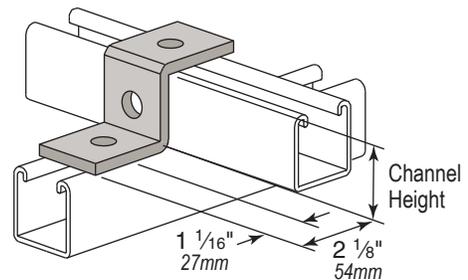
SPECIFYING Brand & Part No.	Height Use with Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5209	4- <sup>7</sup> / <sub>8</sub> " (124mm)	VF4205	--
W5211	2- <sup>7</sup> / <sub>16</sub> " (62mm)	--	Z12
W5214	2- <sup>1</sup> / <sub>2</sub> " (64mm)	VF43013	--
W5213	1- <sup>3</sup> / <sub>8</sub> " (35mm)	VF43016	--
W5218	1" (25mm)	VF430110	Z14
W5215	<sup>13</sup> / <sub>16</sub> " (21mm)	VF43014	Z10

## 2-Hole Offset Support



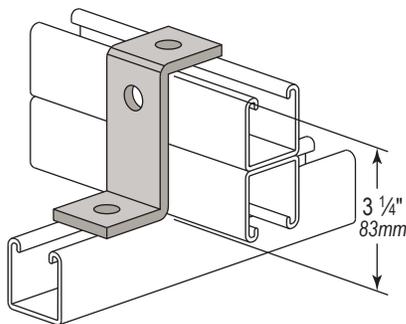
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5203	VF4202	Z20

## 3-Hole Z Fitting



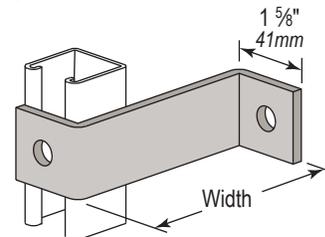
SPECIFYING Brand & Part No.	Height Use with Channel	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
W5212	1- <sup>5</sup> / <sub>8</sub> " (41mm)	VF4301	--

## 3-Hole Z Fitting For Double Square Channel



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
W5210	VF4302	--

## 2-Hole Z Connector



SPECIFYING Brand & Part No.	Height Use with Channel	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
W5224	4" (102mm)	VF4204A	Z30
W5225	5" (127mm)	VF4204B	Z31
W5226	6" (152mm)	VF4204C	Z32
W5227	7" (178mm)	VF4204D	Z33
W5228	8" (203mm)	VF4204E	Z34

Hole Diameter: <sup>9</sup>/<sub>16</sub>" (14mm); Hole Spacing - From End: <sup>13</sup>/<sub>16</sub>" (21mm); Hole Spacing - On Center: 1-<sup>7</sup>/<sub>8</sub>" (48mm); Width: 1-<sup>5</sup>/<sub>8</sub>" (41mm); Thickness: <sup>1</sup>/<sub>4</sub>" (6mm)

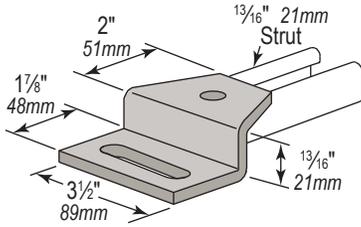


# "Z" & "U" Shape Fittings



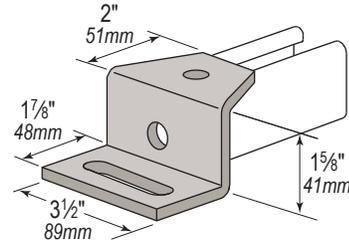
Standard Finish: Electro Galvanized (EG)

## Adjustable Z Connector



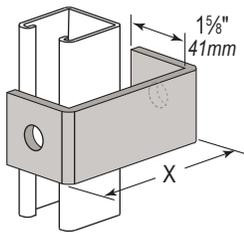
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5205	VF43034	--

## Adjustable Z Connector



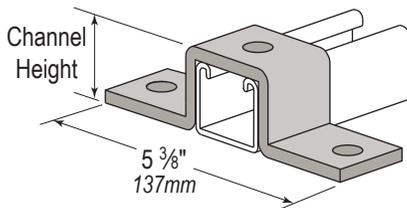
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5202	VF4303	Z60

## 2-Hole U-Fitting Clevis



SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5324	4" (102mm)	VF5203A	U600400
<b>WESANCO</b> W5325	5" (127mm)	VF5203B	U600500
<b>WESANCO</b> W5326	6" (152mm)	VF5203C	U600600
<b>WESANCO</b> W5327	7" (178mm)	VF5203D	U600700
<b>WESANCO</b> W5328	8" (203mm)	VF5203E	U600800

## 3-Hole "U" Support



SPECIFYING Brand & Part No.	Channel Height	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5315	1 3/16" (21mm)	VF64024	U10
<b>WESANCO</b> W5318	1" (25mm)	VF640210	--
<b>WESANCO</b> W5313	1-3/8" (35mm)	VF64026	--
<b>WESANCO</b> W5320	2-1/2" (64mm)	VF64023	--
<b>WESANCO</b> W5311	2-7/16" (62mm)	--	U12
<b>WESANCO</b> W5316	3-1/4" (62mm)	VF6317	U13
<b>WESANCO</b> W5314	4-7/8" (124mm)	VF6319	U14
<b>WESANCO</b> W5321	5" (127mm)	--	--

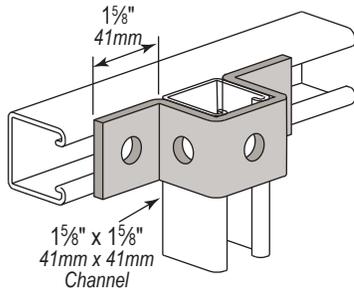
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



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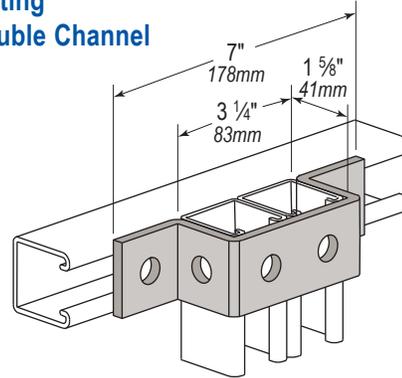
Standard Finish: Electro Galvanized (EG)

## 5-Hole "U" Support for 1-5/8" Channel



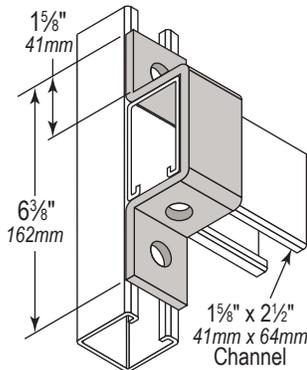
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5312</b>	VF6402	U11

## 6-Hole U-Fitting for 1-5/8" Double Channel



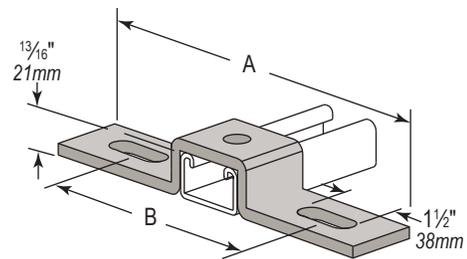
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5317</b>	VF6401	U16

## 4-Hole Strap for 2-1/2" Channel



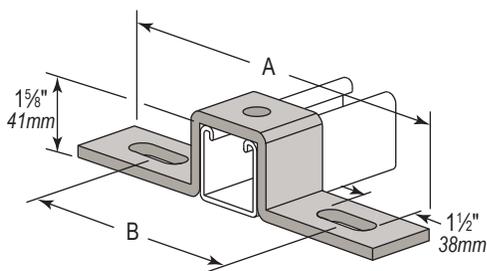
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5322</b>	VF64023U	--

## 1-Hole U-Fitting 2 Slot for 13/16" Channel



SPECIFYING Brand & Part No.	A	B	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>W5305</b>	8-1/2" (216mm)	5-3/8" (136mm)	VF63034	--

## 1-Hole U-Fitting 2 Slot for 1-5/8" Channel



SPECIFYING Brand & Part No.	A	B	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>W5307</b>	7-1/4" (184mm)	4-1/8" (105mm)	VF6302	U20
<b>W5308</b>	8-1/2" (216mm)	5-3/8" (136mm)	VF6303	U21
<b>W5310</b>	10-3/8" (264mm)	7-1/4" (184mm)	VF6304	U22

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



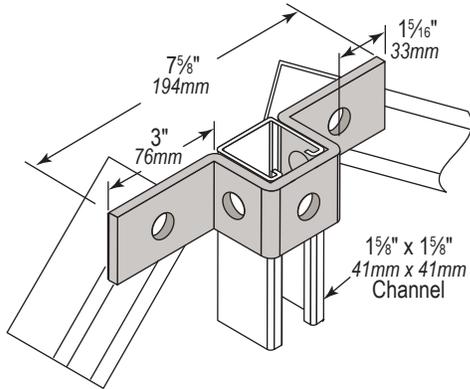
# "U" Shape Fittings



Standard Finish: Electro Galvanized (EG)

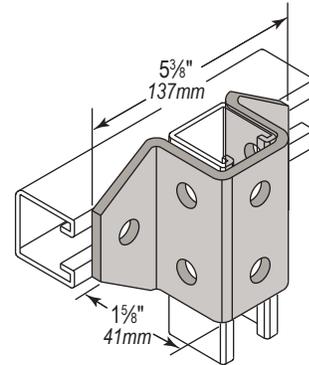
## 5-Hole Connector For Double Diagonal Brace

For 1-5/8" x 1-5/8" channel.



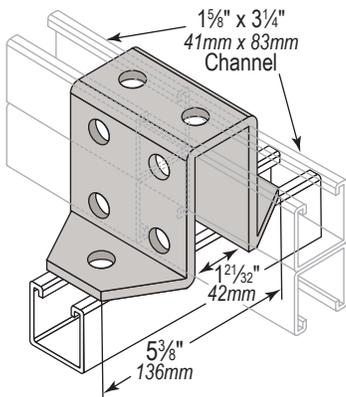
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5330</b>	VF6403	--

## 8-Hole U-Fitting for 1-5/8" Channel



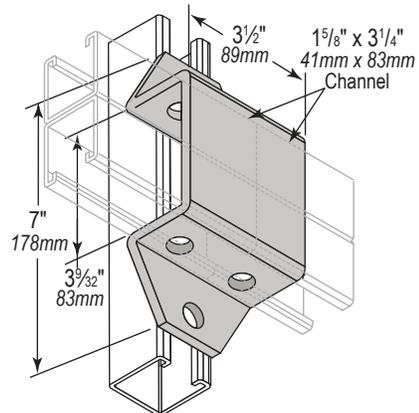
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5319</b>	VF6618	U15

## 12-Hole U-Fitting for 3-1/4" Channel



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5323</b>	VF6619	--

## 6-Hole U-Fitting for 3-1/4" Channel



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5329</b>	VF6802	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



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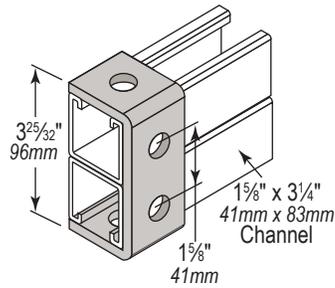
Rooftop Supports

Fiberglass System

Technical Data

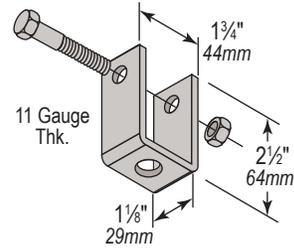
Standard Finish: Electro Galvanized (EG)

## 4-Hole "C" Fitting 3-1/4" Inside



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5301		VF5401	--

## Swing Clevis

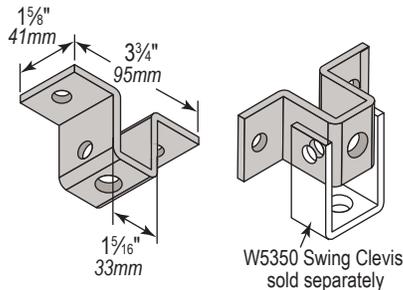


Side Holes are 7/16" 11mm Dia.  
Base Hole is 9/16" 14mm Dia.

Includes 3/8"-16 x 2 1/4" HHCS  
and 3/8" Dia. Hex Nut

SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5350		VX1099	--

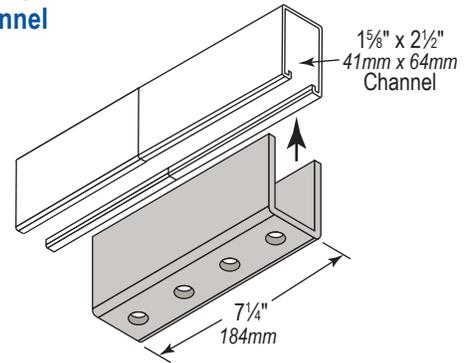
## Swing Clevis Adapter



Side Holes are 7/16" (11mm) Dia.  
Base Hole is 9/16" (14mm) Dia.

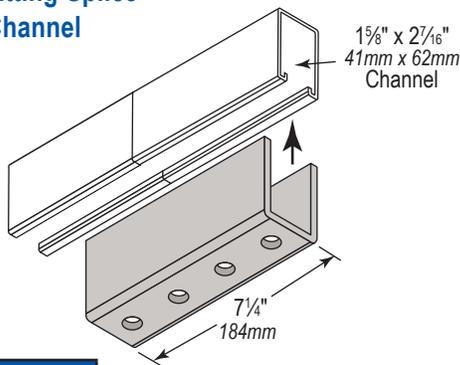
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5351		VX6402OH	--

## 4-Hole U-Fitting Splice for 2-1/2" Channel



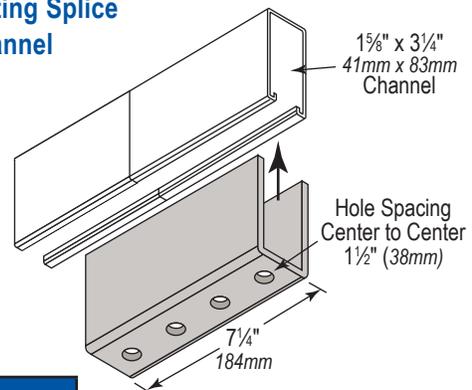
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5340		VF54023	--

## 4-Hole U-Fitting Splice for 2-7/16" Channel



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5349		--	--

## 4-Hole U-Fitting Splice for 3-1/4" Channel



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5348		VF540211	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)

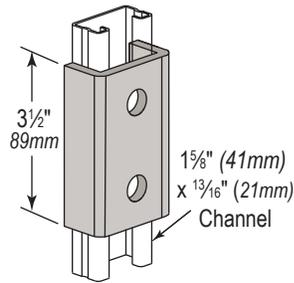


# "U" Shape Fittings



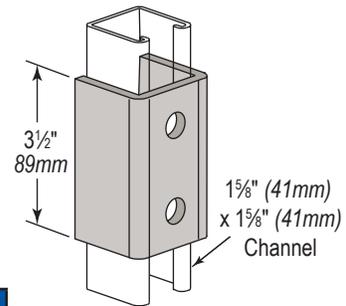
Standard Finish: Electro Galvanized (EG)

## 2-Hole Splice for 1<sup>3</sup>/<sub>16</sub>" Channel



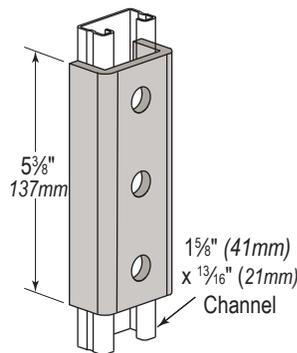
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5342		VF52044	--

## 2-Hole U-Fitting Splice for 1-5/8" Channel



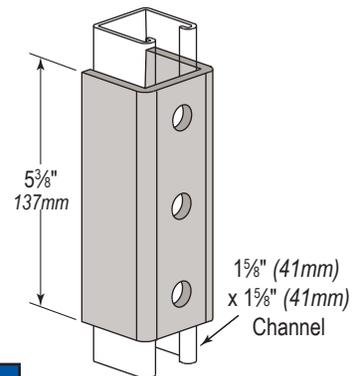
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5344		VF5204	U30

## 3-Hole Splice for 1<sup>3</sup>/<sub>16</sub>" Channel



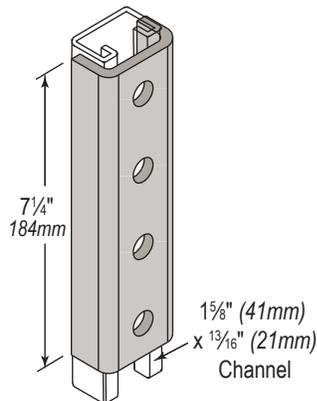
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5343		VF53044	--

## 3-Hole U-Fitting Splice for 1-5/8" Channel



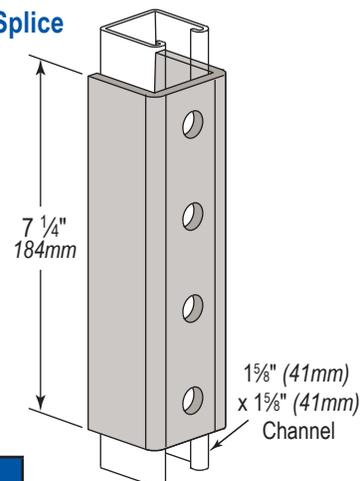
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5346		VF5304	U31

## 4-Hole Splice for 1<sup>3</sup>/<sub>16</sub>" Channel



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5347		VF54024	U33

## 4-Hole U-Fitting Splice for 1-5/8" Channel



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5345		VF5402	U32

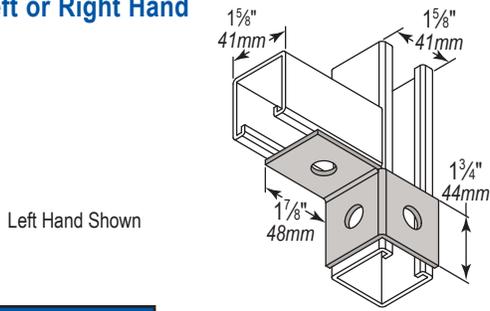
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1<sup>3</sup>/<sub>16</sub>" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



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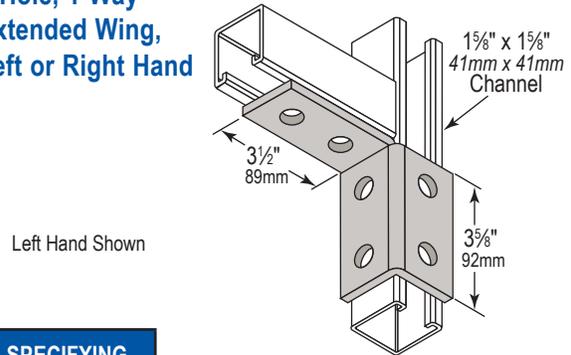
Standard Finish: Electro Galvanized (EG)

## 3-Hole Wing Fitting Single Corner, Left or Right Hand



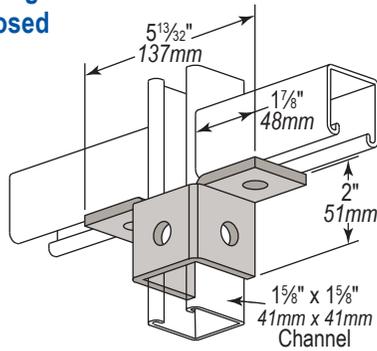
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5511	Left Hand	VF2216L	W11
W5510	Right Hand	VF2216R	W10

## 6-Hole, 1-Way Extended Wing, Left or Right Hand



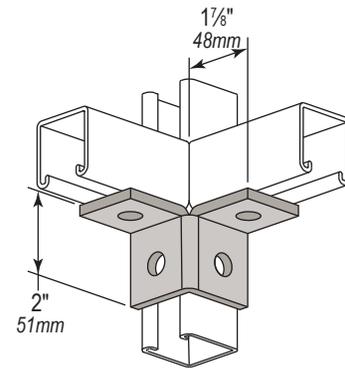
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5146	Left Hand	VF2419L	--
W5147	Right Hand	VF2419R	--

## 5-Hole Wing Fitting Corner Connector Opposed



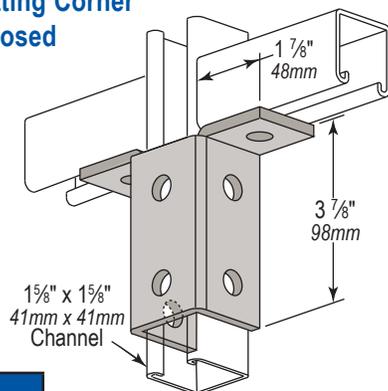
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5513		VF2504	W30

## 4-Hole Wing Fitting Double Corner



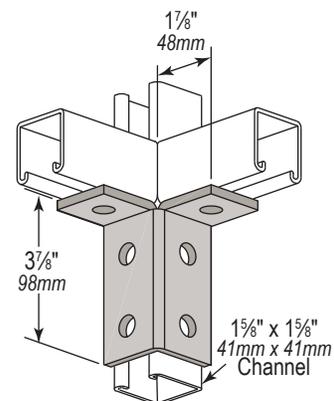
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5512		VF3405	W20

## 8-Hole Wing Fitting Corner Connector Opposed



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5519		VF6801	W31

## 6-Hole Wing Fitting Double Corner



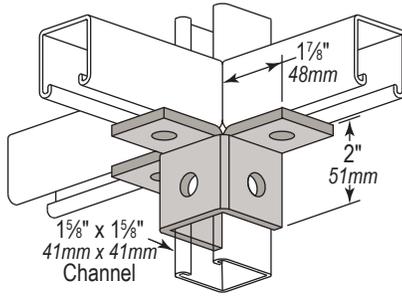
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Description	VERSABAR	FLORIDA STRUT
W5518		VF3601	W21

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



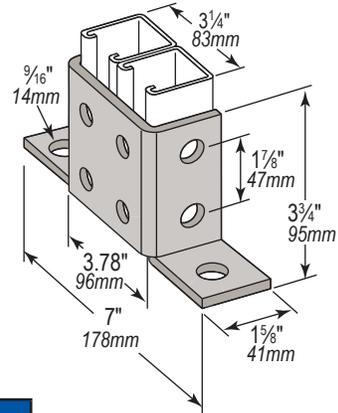
Standard Finish: Electro Galvanized (EG)

## 6-Hole Wing Fitting Triple Corner



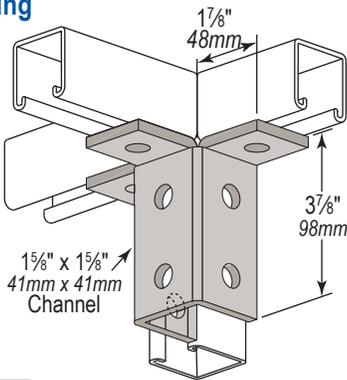
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5514</b>	VF3602	W40

## 10-Hole Base Wing Fitting



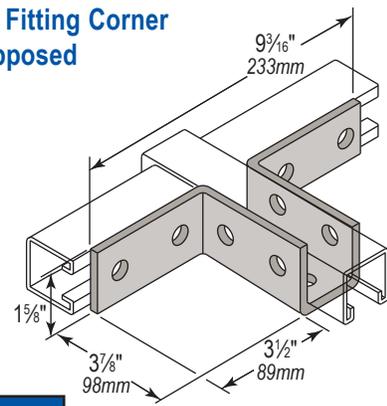
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5524</b>	--	--

## 9-Hole Wing Fitting Triple Corner



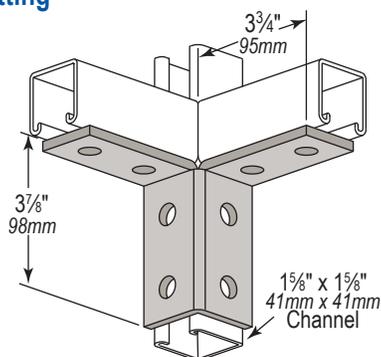
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5517</b>	VF3901	W41

## 10-Hole Wing Fitting Corner Connector Opposed



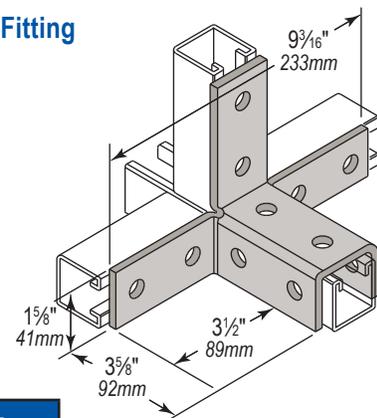
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5523</b>	VF61002	W32

## 8-Hole Wing Fitting Double Corner



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5515</b>	VF3802	W22

## 12-Hole Wing Fitting Triple Corner



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5522</b>	VF31201	W42

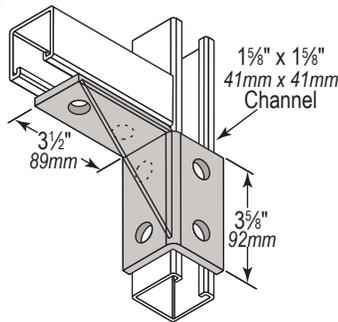
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 7/8" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

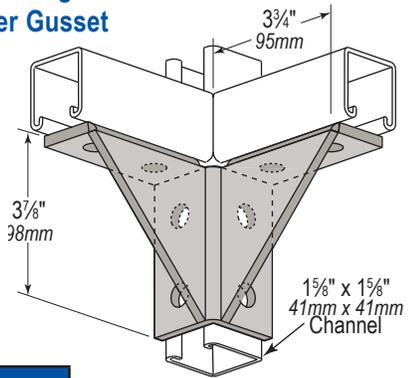
## 1-Way Extended Gusset Wing, Left or Right Hand

Left Hand Shown



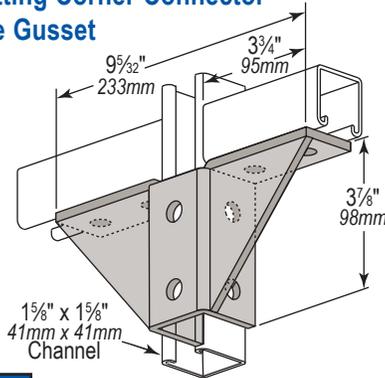
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5148	Left Hand	VF2420L	--
W5149	Right Hand	VF2420R	--

## 8-Hole Wing Fitting Double Corner Gusset



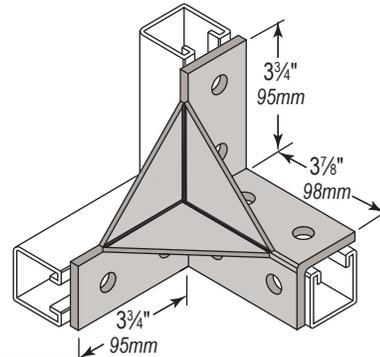
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5516		VF3803	W23

## 10-Hole Wing Fitting Corner Connector Opposed Double Gusset



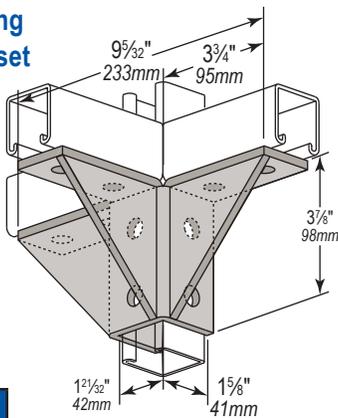
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5520		VF210010	W33

## 8-Hole Wing Fitting Double Corner Double Gusset



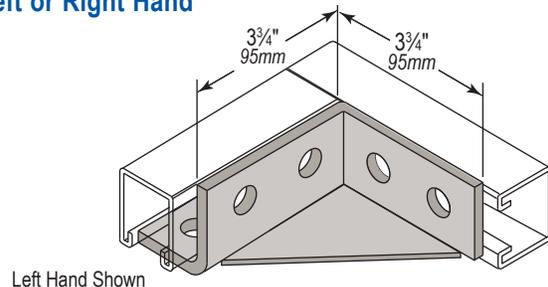
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5531		--	W24

## 12-Hole Wing Fitting Triple Corner Gusset



SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W5521		VF31202	W43

## 6-Hole Wing Fitting Single Corner Gusset, Left or Right Hand



Left Hand Shown

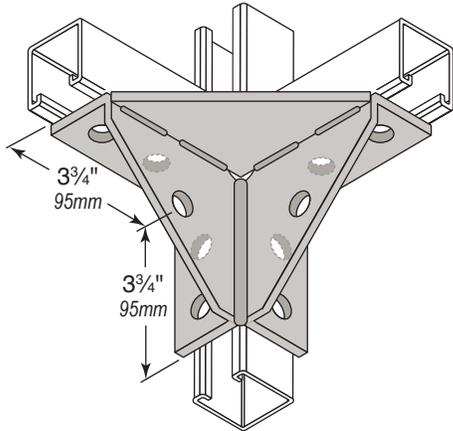
SPECIFYING Brand & Part No.		Description	DISCONTINUED Brands & Part No.	
WESANCO			VERSABAR	FLORIDA STRUT
W5524L		Left Hand	--	W15
W5524R		Right Hand	--	W14

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



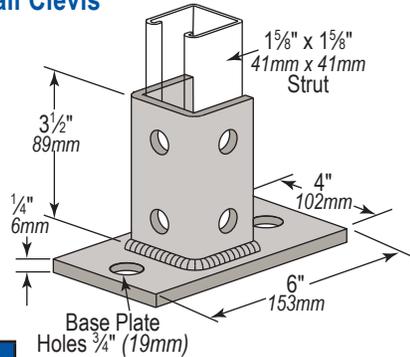
Standard Finish: Electro Galvanized (EG)

## 8-Hole Double Corner Gusseted Connector



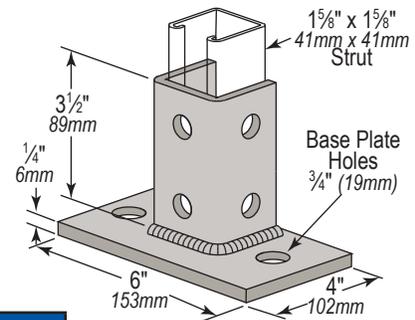
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5525</b>	VF3807	--

## Rectangular Plate 8-Hole Post Base Single Channel Tall Clevis



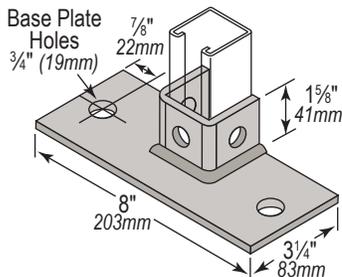
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5810</b>	--	P10

## Rectangular Plate 8-Hole Post Base Single Channel Tall Clevis



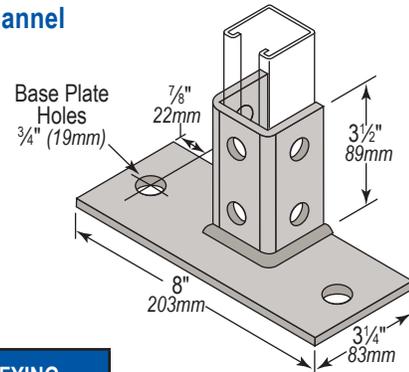
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5810FL</b>	--	P11

## Rectangular Plate 5-Hole Post Base Flush Single Channel



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5813FL</b>	VF9601AFL	--

## Rectangular Plate 8-Hole Post Base Flush Single Channel



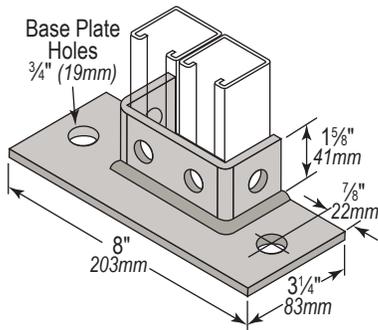
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5814FL</b>	VF9601FL	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



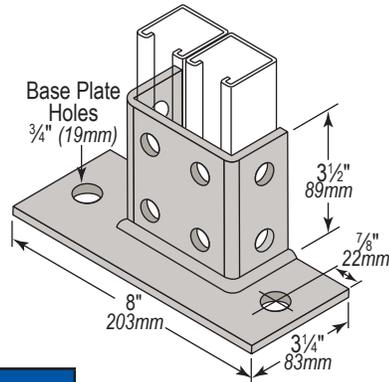
Standard Finish: Electro Galvanized (EG)

## Double Channel Stand/Wall Flush 6-Hole Post Base



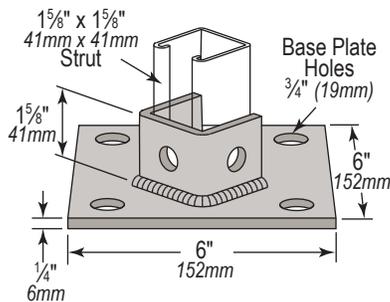
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5815FL</b>	VF9602AFL	--

## Double Channel Stand/Wall Flush 10-Hole Post Base



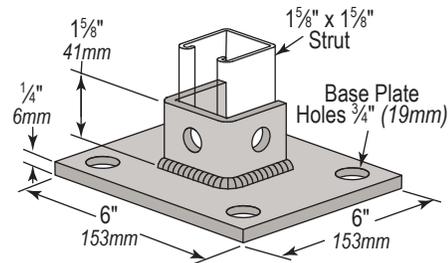
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5816FL</b>	VF9602FL	--

## Post Base Single Channel 7-Hole Standard



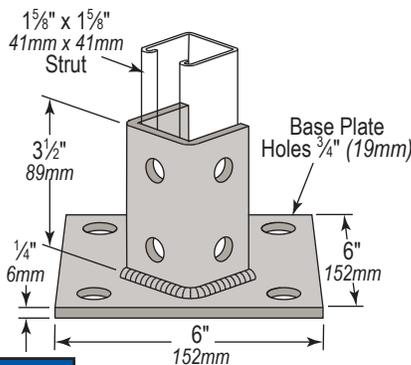
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5813</b>	VF9601A	P12

## Post Base Double Channel 7-Hole Square



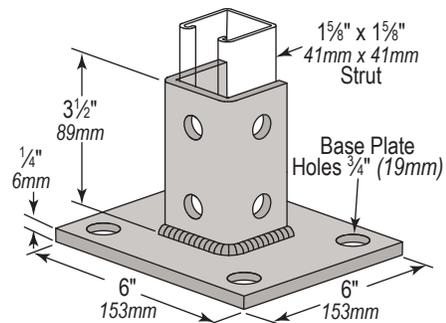
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5813SQ</b>	VF9601ASQ	P22

## Post Base Single Channel 10-Hole Standard



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5814</b>	VF9601	P13

## Post Base Double Channel 10-Hole Standard



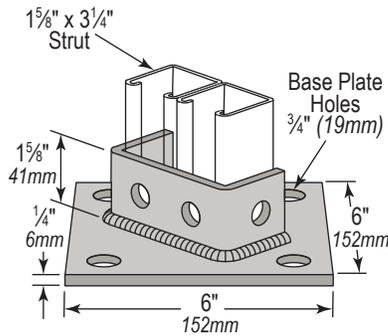
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5814SQ</b>	VF9601SQ	P14

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



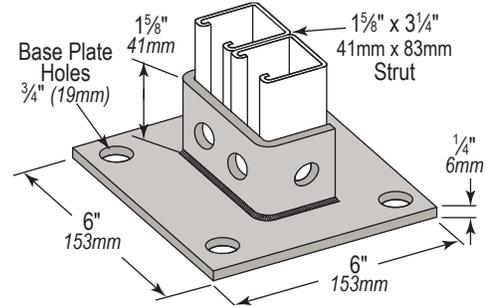
Standard Finish: Electro Galvanized (EG)

## Post Base Double Channel 8-Hole Standard



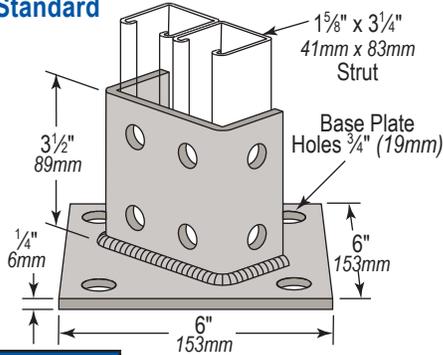
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5815</b>	VF9602A	P18

## Post Base Double Channel 8-Hole Standard



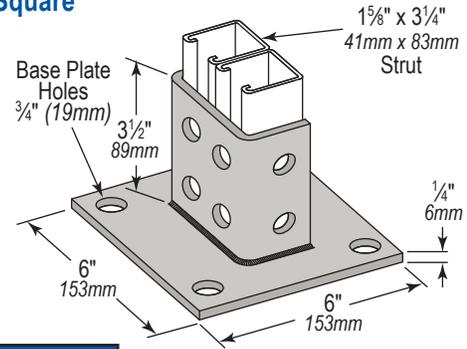
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5815SQ</b>	VF9602ASQ	--

## Post Base Double Channel 12-Hole Standard



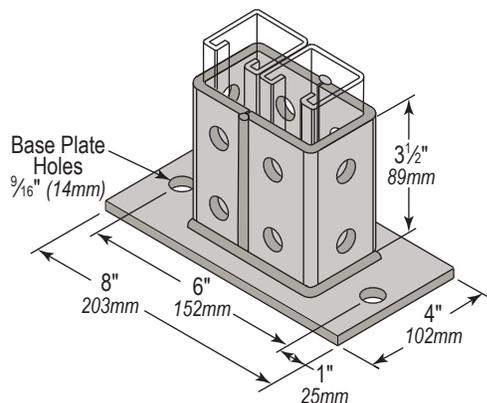
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5816</b>	VF9602	P19

## Post Base Double Channel 12-Hole Square



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5816SQ</b>	VF9602SQ	P20

## Post Base Double Channel 14-Hole Square 3-1/2" Boxed



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5817</b>	--	P17

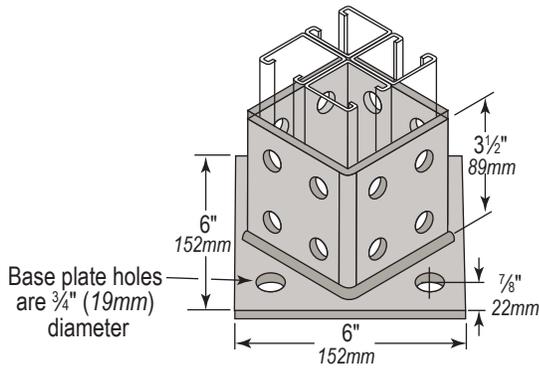
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



Introduction  
Channel  
Channel Nuts & Hardware  
General Fittings  
Brackets  
Beam Clamps  
Pipe & Conduit Supports  
Electrical Fittings  
Spring Steel  
Concrete Inserts  
Roofing Supports  
Fiberglass System  
Technical Data

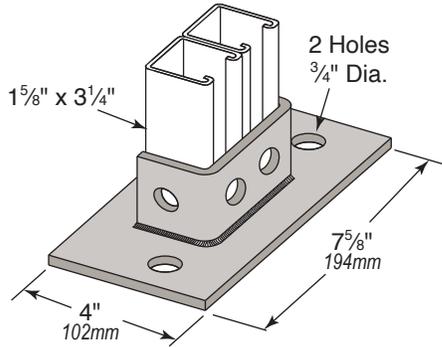
Standard Finish: Electro Galvanized (EG)

## Post Base Quad-Channel 20-Hole Square



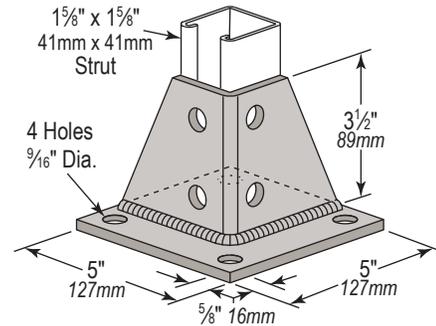
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5821</b>	VF9605	--

## Rectangular Plate 6 Hole Post Base Double Channel Short Clevis



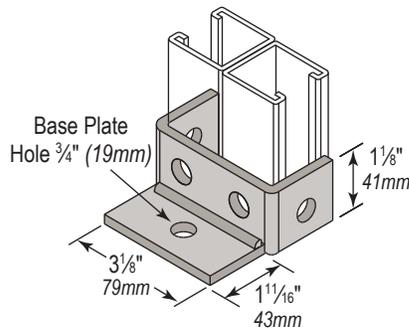
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5812</b>	--	--

## Post Base Single Channel Gusset 8-Hole Square



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5811</b>	VF7803	P15

## Post Base Double Channel 5-Hole



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W5818</b>	VF9311	P16

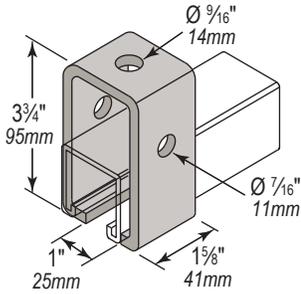
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

## U-Fitting Trolley Support 3 Hole Standard

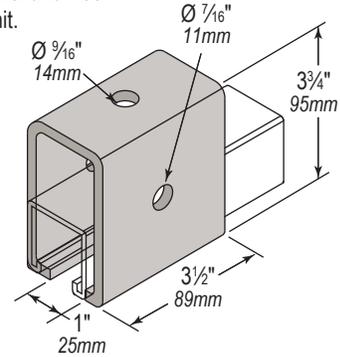
Permits suspension of 1-5/8" square channel and free passage of trolley unit.



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6604</b>	VF7101	U40

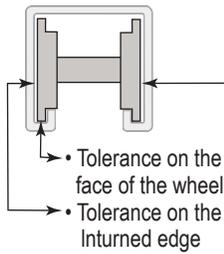
## U-Fitting Trolley Support 3 Hole Heavy Duty

Permits suspension and splicing of 1-5/8" square channel and free passage of trolley unit.



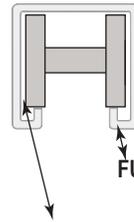
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6603</b>	VF7101A	U41

## Two Types of Trolley Support [Wheel w/Support in Strut Bend & Full Wheel]



**Wheel w/Support in Strut Bend**  
The wider portion of the wheel sets on the inturned edge of the Strut  
Just like the Full Wheel  
The narrow portion of the wheel sets in the space provided by the inturned edge.

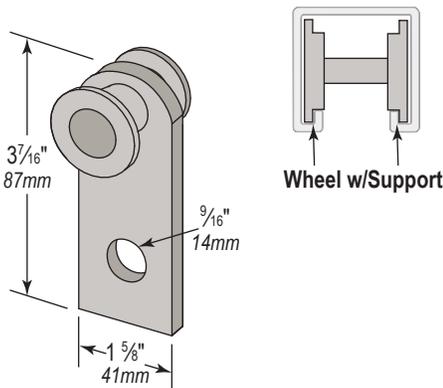
- Tolerance on the face of the wheel
- Tolerance on the Inturned edge
- Less weight allowed on the trolley since the trolley within inturned edge does not carry a load



**FULL Wheel** sets on the inturned edge of the Strut

- Single tolerance on the face of the wheel
- Greater weight allowed on the trolley with the single edge on wheel

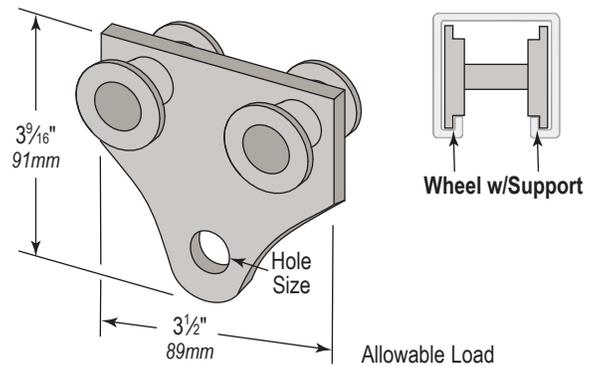
## Two Wheel Trolley [Wheel w/Support]



Allowable load  
300lbs (2.00 kN) max.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6606</b>	--	--

## Four Wheel Trolley [Wheel w/Support]



Allowable Load  
600lbs (2.67 kN) max.

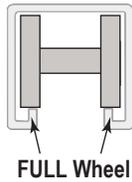
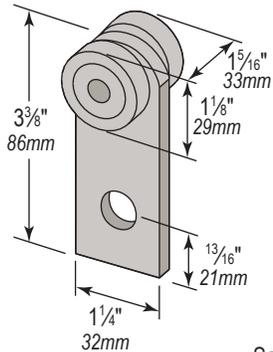
SPECIFYING Brand & Part No.	Hole Size	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>		VERSABAR	FLORIDA STRUT
<b>W6601</b>	1-1/8" (29mm)	--	--
<b>W6605</b>	9/16" (14mm)	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



## Standard Finish: Electro Galvanized (EG)

### Two Wheel Trolley [Full Wheel]



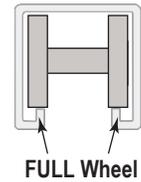
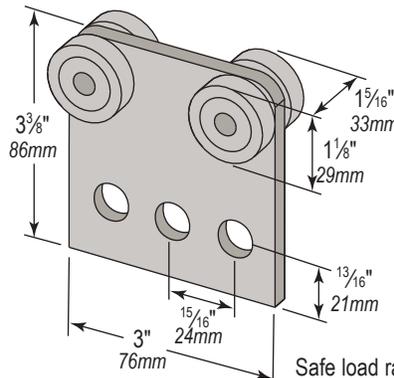
FULL Wheel

Safe load rating for steel bearing Trolley  
 437 lbs. (1.94 kN) @ 100 rpm  
 225 lbs. (1.00 kN) @ 300 rpm  
 150 lbs. (0.67 kN) @ 600 rpm

SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W6602	All Steel Components	VX7026	R10
W6602N	Steel Trolley, Nylon Plain Bearings	VX7026N	--
W6602NSS	Stainless Steel Trolley, Nylon Plain Bearings	VX7026NSS	--

All Trolleys have carbon steel axles

### Four Wheel Trolley [Full Wheel]



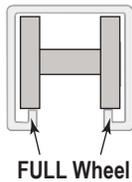
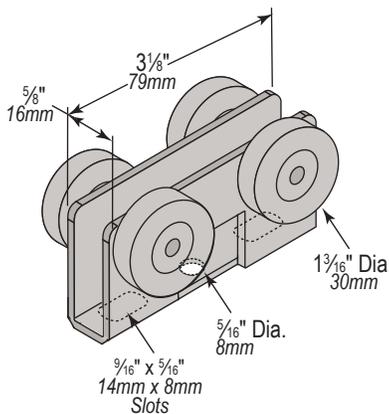
FULL Wheel

Safe load rating for steel bearing Trolley  
 600 lbs. (2.67 kN) @ 100 rpm  
 450 lbs. (2.00 kN) @ 300 rpm  
 300 lbs. (1.33 kN) @ 600 rpm

SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W6600	All Steel Components	VX7027	R11
W6600N	Steel Trolley, Nylon Plain Bearings	VX7027N	--
W6600NSS	Stainless Steel Trolley, Nylon Plain Bearings	VX7027NSS	--

All Trolleys have carbon steel axles

### Four Wheel Trolley [Full Wheel]

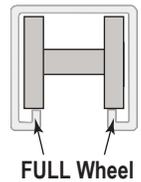
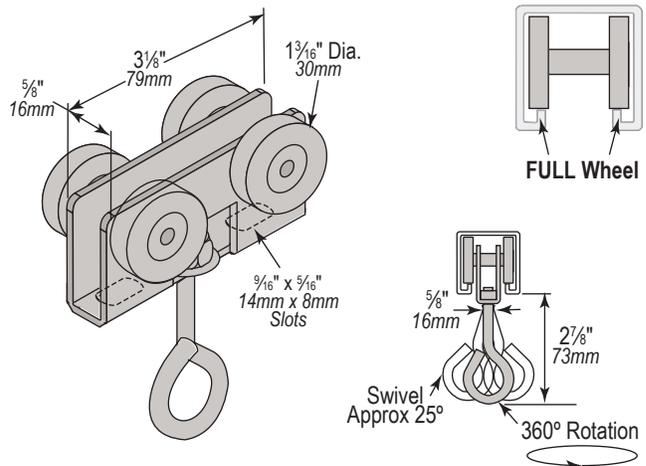


FULL Wheel

Safe load rating for  
 Steel bearing Trolley - 100 lbs. (0.44 kN)  
 Nylon bearing Trolley - 20 lbs. (0.09 kN)

SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W6607	All Steel Components	VX7029	--
W6607N	Steel Trolley, Nylon Plain Bearings	VX7029N	--

### Four Wheel Trolley [Full Wheel] with Swivel Loop



FULL Wheel

Safe load rating for  
 Steel bearing Trolley - 100 lbs. (0.44 kN)  
 Nylon bearing Trolley - 20 lbs. (0.09 kN)

SPECIFYING Brand & Part No.	Description	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W6610	All Steel Components	VX7028	--
W6610N	Steel Trolley, Nylon Plain Bearings	VX7028N	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

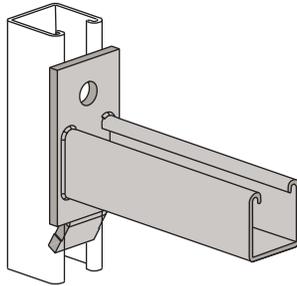


# Brackets



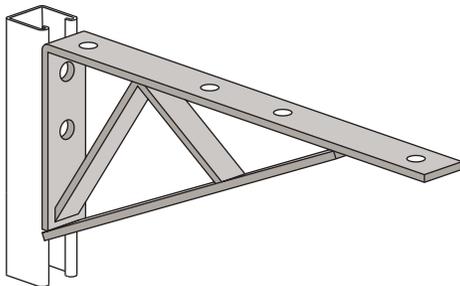
## Channel Brackets

Pages 110 - 112



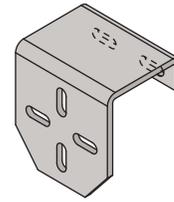
## Shelf Brackets

Pages 113 - 116



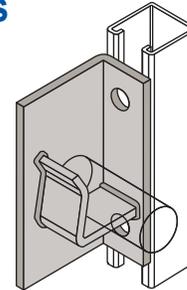
## Support Brackets

Page 117



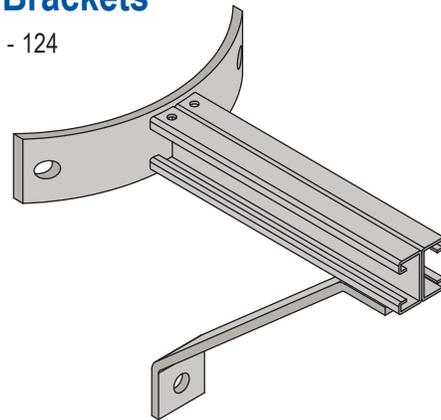
## Reel Supports

Page 118



## Utility Brackets

Pages 119 - 124



Fittings Specifications		
Material	ASTM	Description
Hot Rolled Plate	A 575, A 1011, A 1018, A 576, A638	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting: Steel	A 366, A 36	Steel carbon, cold rolled sheet, commercial quality structural steel.
Strip Steel: Pipe Clamps	A 569	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Stainless Steel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum	B 221	Aluminum alloy extruded bar, rod, wire, shape and tube.

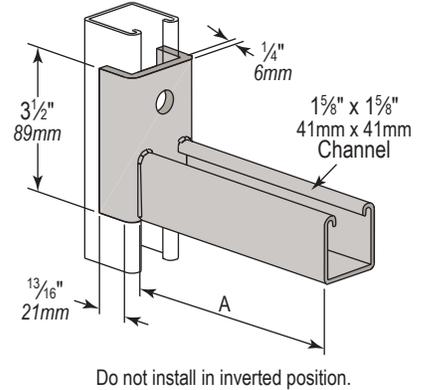
Fitting Finish Specifications	
Finish	Description
Paint-Green Powder Coating	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

See page 23 for Material or Finish ordering codes for part numbers.

## 1-Hole Wrap Around Channel Bracket, Slot Up

SPECIFYING Brand & Part No.	A	Design Uniform Load Lbs. (kN)		DISCONTINUED Brands & Part No.	
		1-5/8" - 12 Gauge Channel	1-5/8" - 14 Gauge Channel	VERSABAR	FLORIDA STRUT
<b>W5641</b>	6" (152mm)	1,600 (7.12 kN)	1,200 (5.34 kN)	VB1060	W5641
<b>W5642</b>	12" (305mm)	800 (3.56 kN)	600 (2.67 kN)	VB1120	W5642

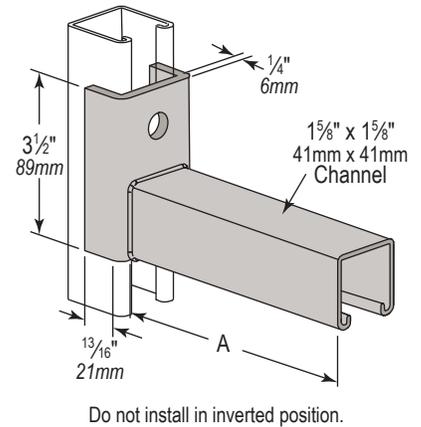
Design Uniform Load when attached to listed upright column.  
Do not install in inverted position.  
Safety Factor: 2-1/2



## 1-Hole Wrap Around Channel Bracket, Slot Down

SPECIFYING Brand & Part No.	A	Design Uniform Load Lbs. (kN)		DISCONTINUED Brands & Part No.	
		1-5/8" - 12 Gauge Channel	1-5/8" - 14 Gauge Channel	VERSABAR	FLORIDA STRUT
<b>W5645</b>	6" (152mm)	1,600 (7.12 kN)	1,200 (5.34 kN)	VB1060D	W5645
<b>W5646</b>	12" (305mm)	800 (3.56 kN)	600 (2.67 kN)	VB1120D	W5646

Design Uniform Load when attached to listed upright column.  
Safety Factor: 2-1/2

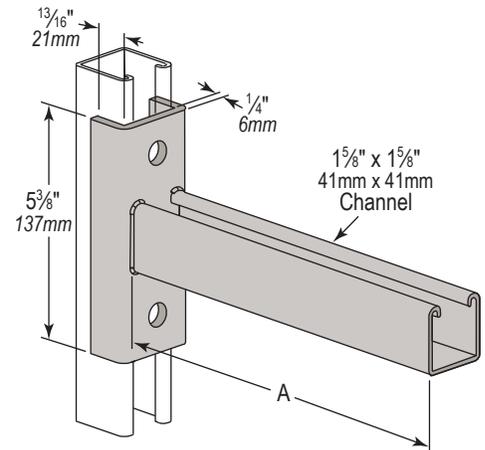


## 2-Hole Wrap Around Channel Bracket, Use Slot Up or Slot Down

Illustrated With Channel Up Bracket Arms are 1-5/8" Channel

SPECIFYING Brand & Part No.	A	Design Uniform Load Lbs. (kN) Used With 1-5/8" - 12 Gauge Channel	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>W5647</b>	18" (457mm)	500 (2.22 kN)	VB1180	BR411800
<b>W5648</b>	24" (610mm)	350 (1.56 kN)	VB1240	BR412400

Design Uniform Load when attached to listed upright column.



Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



# Channel Brackets

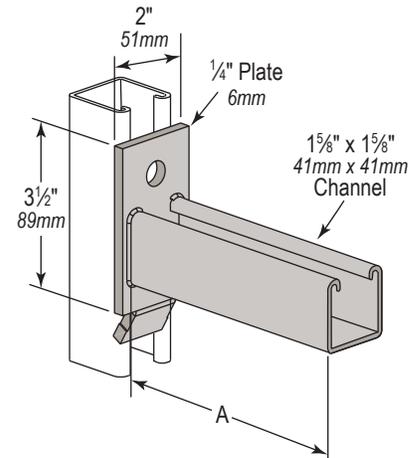


Standard Finish: Electro Galvanized (EG)

## Bracket Arms are 1-5/8" Channel

SPECIFYING Brand & Part No.	A	Design Uniform Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5631	6" (152mm)	1,250 (5.56 kN)	VB1060X	BR430600
W5632	12" (305mm)	750 (3.34 kN)	VB1120X	BR431200
W5633M	14" (305mm)	500 (2.22 kN)	--	--
W5633	18" (457mm)	500 (2.22 kN)	VB1180X	BR431800
W5634	24" (610mm)	350 (1.56 kN)	VB1240X	BR432400

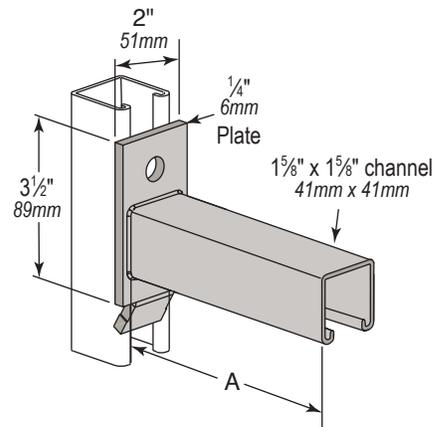
Design Uniform Load when attached to listed upright column.



## Bracket Arms are 1-5/8" Channel

SPECIFYING Brand & Part No.	A	Design Uniform Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5635	6" (152mm)	1,250 (5.56 kN)	VB1060XD	BR440600
W5636	12" (305mm)	750 (3.34 kN)	VB1120XD	BR441200
W5637	18" (457mm)	500 (2.22 kN)	VB1180XD	BR441800
W5638	24" (610mm)	350 (1.56 kN)	VB1240XD	BR442400

Design Uniform Load when attached to listed upright column.

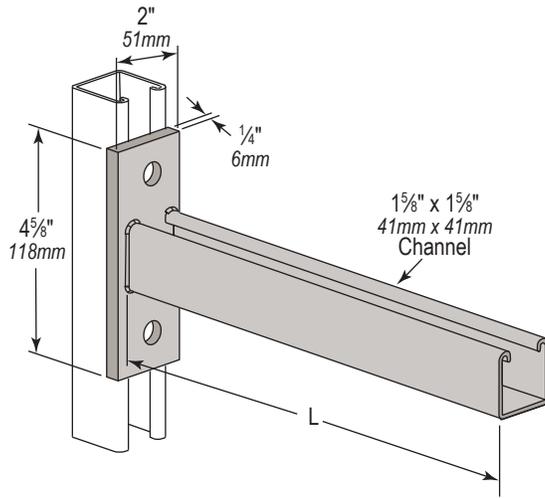


Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

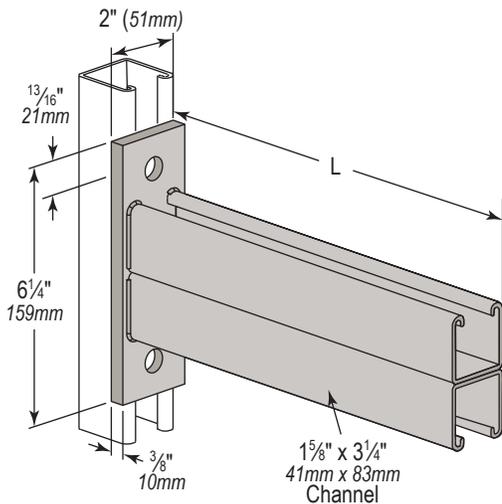
## 2-Hole, 1/4" Plate with 1-5/8" Channel Bracket Arms



SPECIFYING Brand & Part No.	L	Design Uniform Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5661	6" (152mm)	1,250 (5.56 kN)	VB1060FP	BR400600
W5661M9	9" (229mm)	1,100 (4.45 kN)	--	BR400900
W5662	12" (305mm)	750 (3.34 kN)	VB1120FP	BR401200
W5663	18" (457mm)	500 (2.22 kN)	VB1180FP	BR401800
W5664	24" (610mm)	350 (1.56 kN)	VB1240FP	BR402400

Design Uniform Load when attached to listed upright column.

## 2-Hole, 3/8" Plate with Double 1-5/8" Channel Bracket Arms



SPECIFYING Brand & Part No.	L	Design Uniform Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5652	12" (305mm)	1,800 (8.01 kN)	VB11120	BR421200
W5653	18" (457mm)	1,200 (5.34 kN)	VB11180	BR421800
W5654	24" (610mm)	1,000 (4.45 kN)	VB11240	BR422400
W5655	30" (762mm)	800 (3.56 kN)	VB11300	BR423000
W5656	36" (914mm)	660 (2.94 kN)	VB11360	BR423600

Design Uniform Load when attached to listed upright column.

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

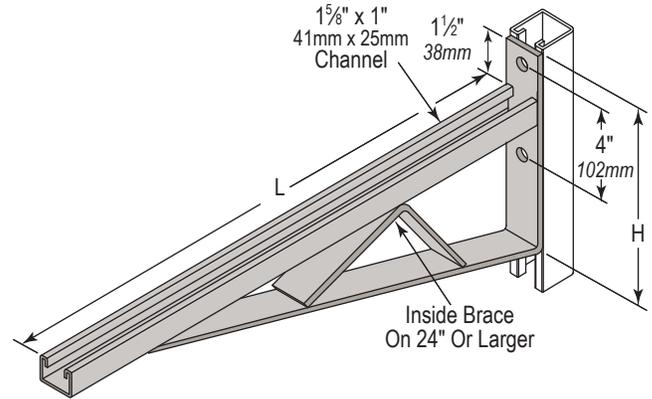


# Shelf Bracket



Standard Finish: Electro Galvanized (EG)

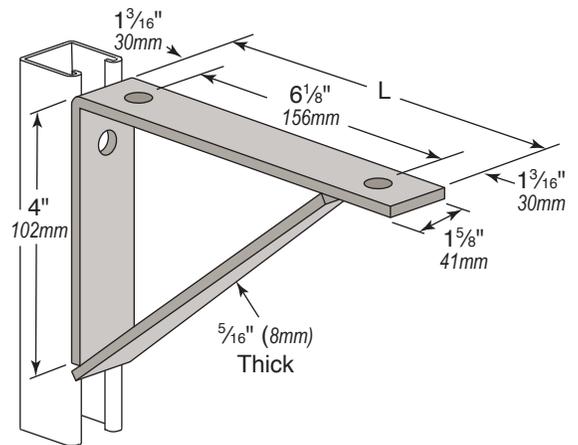
2-Hole Bracket Arms are 1" Channel



SPECIFYING Brand & Part No.	L	H	Design Uniform Load Lbs. (kN) 1-5/8" x 1-5/8" 12 Gauge Channel	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W5682	12" (305mm)	8-3/4" (222mm)	1,580 (7.02kN)	VB4120	BR451200
W5683	18" (475mm)	8-3/4" (222mm)	1,000 (4.45kN)	VB4180	BR451800
W5684	24" (610mm)	8-3/4" (222mm)	996 (4.43kN)	VB4240	BR452400
W5685	30" (762mm)	11-1/4" (286mm)	924 (4.11kN)	VB4300	BR453000
W5686	36" (914mm)	11-1/4" (286mm)	864 (3.84kN)	VB4360	BR453600
W5687	42" (1067mm)	16" (406mm)	580 (2.58kN)	VB4420	BR454200
W5688	48" (1219mm)	16" (406mm)	500 (2.22kN)	VB4480	BR454800

Design Uniform Load when attached to listed upright column.

3-Hole Girder Style Bracket



SPECIFYING Brand & Part No.	L	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5669	8-1/2" (216mm)	850 (3.78 kN)	VB4085	BR200850
W5671	10-1/2" (267mm)		VB4105	BR201050

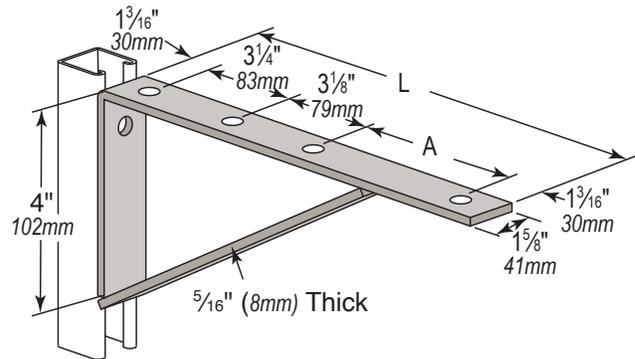
Design Uniform Load when attached to listed upright column.

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

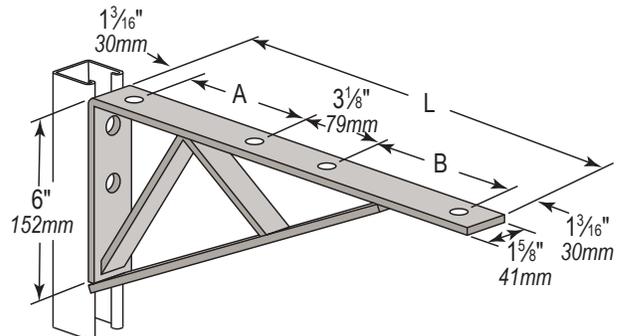
## 5-Hole Girder Style Bracket



SPECIFYING Brand & Part No.	A	L	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>W5673</b>	3-3/4" (95mm)	12-1/2" (318mm)	900 (4.00 kN)	VB4125	BR211250
<b>W5675</b>	5-3/4" (146mm)	14-1/2" (369mm)		VB4145	BR211450

Design Uniform Load when attached to listed upright column.

## 6-Hole Bracket with Brace



SPECIFYING Brand & Part No.	A	B	L	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
<b>W5677</b>	5-1/4" (133mm)	5-3/4" (146mm)	16-1/2" (419mm)	1,200 (5.34 kN)	VB4165	BR221650
<b>W5678</b>	5-1/4" (133mm)	7-3/4" (197mm)	18-1/2" (470mm)	1,100 (4.89 kN)	VB4185	BR221850
<b>W5679</b>	7-1/4" (184mm)	7-3/4" (197mm)	20-1/2" (521mm)	900 (4.00 kN)	VB4205	BR222050

Design Uniform Load when attached to listed upright column.

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

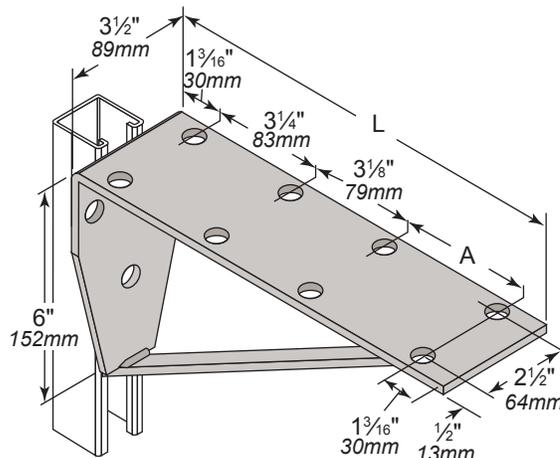


# Shelf Bracket



Standard Finish: Electro Galvanized (EG)

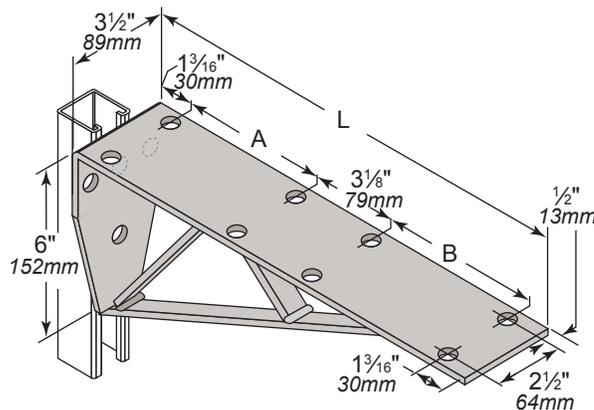
## 12-Hole Wide Girder Style Bracket



SPECIFYING Brand & Part No.	A	L	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W5673D	3- <sup>3</sup> / <sub>4</sub> " (95mm)	12- <sup>1</sup> / <sub>2</sub> " (318mm)	900 (4.00 kN)	VB4125D	--
W5675D	5- <sup>3</sup> / <sub>4</sub> " (146mm)	14- <sup>1</sup> / <sub>2</sub> " (369mm)		VB4145D	--

Design Uniform Load when attached to listed upright column.

## Wide Bracket with Brace



SPECIFYING Brand & Part No.	A	B	L	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
W5681	5- <sup>1</sup> / <sub>4</sub> " (133mm)	5- <sup>3</sup> / <sub>4</sub> " (146mm)	16- <sup>1</sup> / <sub>2</sub> " (419mm)	1,200 (5.34 kN)	VB4165D	--
W5678D	5- <sup>1</sup> / <sub>4</sub> " (133mm)	7- <sup>3</sup> / <sub>4</sub> " (197mm)	18- <sup>1</sup> / <sub>2</sub> " (470mm)	1,200 (5.34 kN)	VB4185D	--
W5679D	7- <sup>1</sup> / <sub>4</sub> " (184mm)	7- <sup>3</sup> / <sub>4</sub> " (197mm)	20- <sup>1</sup> / <sub>2</sub> " (521mm)	1,200 (5.34 kN)	VB4205D	--

Design Uniform Load when attached to listed upright column.

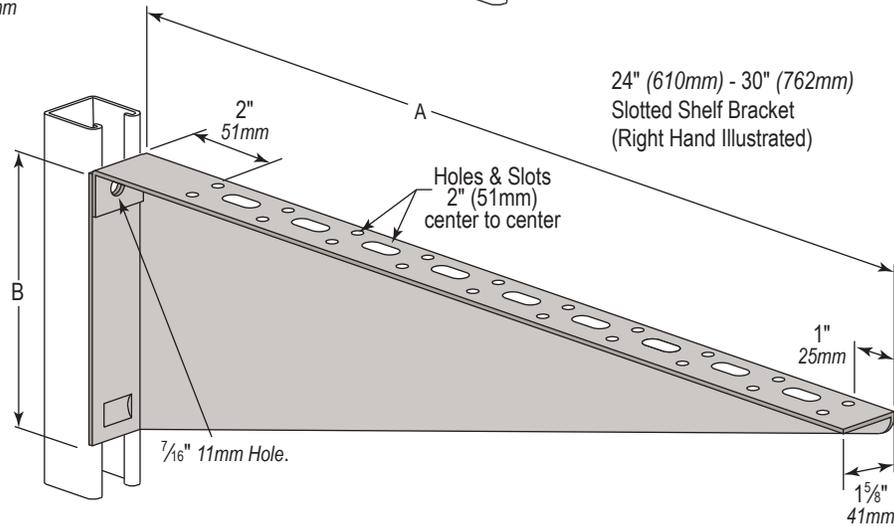
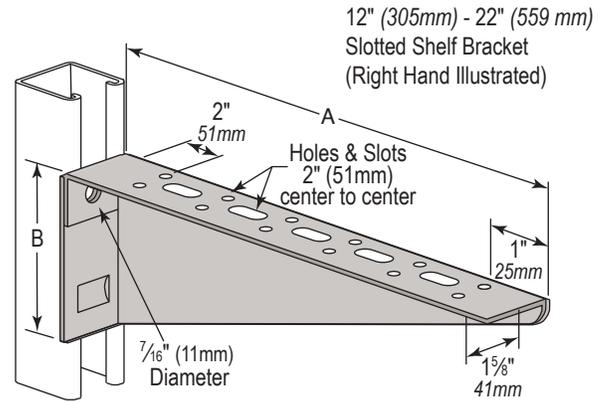
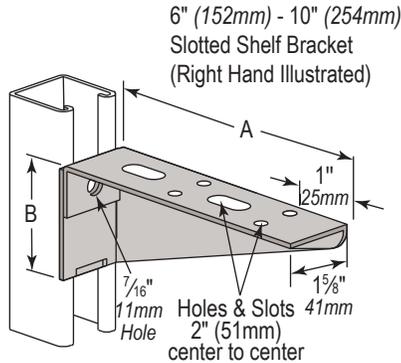
Hole Diameter: <sup>9</sup>/<sub>16</sub>" (14mm); Hole Spacing - From End: <sup>13</sup>/<sub>16</sub>" (21mm); Hole Spacing - On Center: 1-<sup>7</sup>/<sub>8</sub>" (48mm); Width: 1-<sup>5</sup>/<sub>8</sub>" (41mm); Thickness: <sup>1</sup>/<sub>4</sub>" (6mm)



Standard Finish: Electro Galvanized (EG)

## Slotted Shelf Brackets

Brackets are 12ga steel, electro-galvanized.  
Furnished with  $\frac{3}{8}$ " x 1" (10mm x 25mm) slotted holes and  $\frac{9}{32}$ " (7mm) round holes



Left Hand			Right Hand			A	B	Design Uniform Load Lbs. (kN)	
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.		SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.				1- $\frac{5}{8}$ " 12 Ga.	1- $\frac{5}{8}$ " 14 Ga.
WESANCO	VERSABAR	FLORIDA STRUT	WESANCO	VERSABAR	FLORIDA STRUT				
W5601	VB2106LSL	BR8L0600	W5602	VB2106RSL	BR8R0600	6" (152mm)	1- $\frac{15}{16}$ " (49mm)	300 (1.33 kN)	250 (1.11 kN)
W5603	VB2108LSL	BR8L0800	W5604	VB2108RSL	BR8R0800	8" (203mm)	2- $\frac{7}{16}$ " (62mm)		
W5605	VB2110LSL	BR8L1000	W5606	VB2110RSL	BR8R1000	10" (254mm)	2- $\frac{15}{16}$ " (75mm)		
W5607	VB2112LSL	BR8L1200	W5608	VB2112RSL	BR8R1200	12" (305mm)	3- $\frac{7}{16}$ " (87mm)	300 (1.33 kN)	250 (1.11 kN)
W5609	VB2114LSL	BR8L1400	W5610	VB2114RSL	BR8R1400	14" (356mm)	3- $\frac{15}{16}$ " (100mm)		
W5611	VB2116LSL	BR8L1600	W5612	VB2116RSL	BR8R1600	16" (406mm)	4- $\frac{7}{16}$ " (113mm)		
W5613	VB2118LSL	BR8L1800	W5614	VB2118RSL	BR8R1800	18" (457mm)	4- $\frac{15}{16}$ " (125mm)		
W5615	VB2120LSL	BR8L2000	W5616	VB2120RSL	BR8R2000	20" (508mm)	5- $\frac{7}{16}$ " (138mm)		
W5617	VB2122LSL	BR8L2200	W5618	VB2122RSL	BR8R2200	22" (559mm)	5- $\frac{15}{16}$ " (151mm)		
W5619	VB2124LSL	BR8L2400	W5620	VB2124RSL	BR8R2400	24" (610mm)	6- $\frac{7}{16}$ " (164mm)	300 (1.33 kN)	250 (1.11 kN)
W5621	VB2126LSL	BR8L2600	W5622	VB2126RSL	BR8R2600	26" (660mm)	6- $\frac{15}{16}$ " (176mm)		
W5623	VB2128LSL	BR8L2800	W5624	VB2128RSL	BR8R2800	28" (711mm)	7- $\frac{7}{16}$ " (189mm)		
W5625	VB2130LSL	BR8L3000	W5626	VB2130RSL	BR8R3000	30" (762mm)	7- $\frac{15}{16}$ " (202mm)		

Design Uniform Load when attached to listed upright column.  
Safety Factor 2- $\frac{1}{2}$

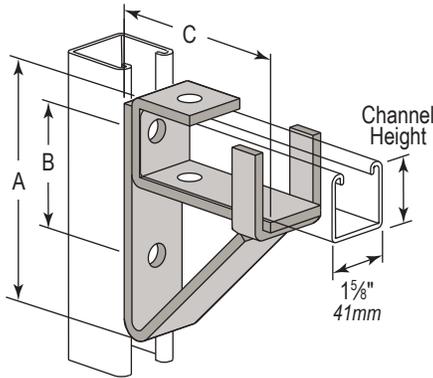
Note: When brackets are used for mechanical supports, load capacities should conform to American Standard Code for Pressure Piping.

Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center: 1- $\frac{7}{8}$ " (48mm); Width: 1- $\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



Standard Finish: Electro Galvanized (EG)

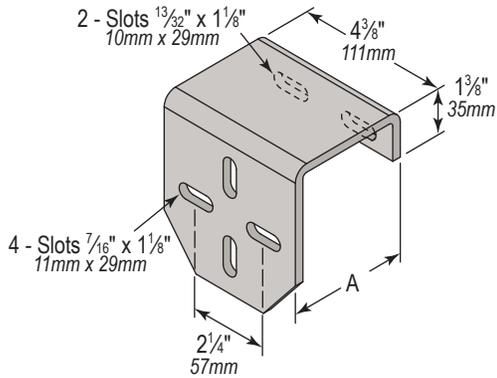
## Cantilever Support Bracket



SPECIFYING Brand & Part No.	Channel Height	A	B	C	Design Load Lbs. (kN) with 12 Ga. Strut	DISCONTINUED Brands & Part No.	
						VERSABAR	FLORIDA STRUT
<b>WESANCO</b>							
W5651	1-5/8" (41mm)	5-7/8" (149mm)	3" (76mm)	4-3/4" (121mm)	5,800 (655 kN)	VF7301	BR30
W5650	3-1/4" (83mm)	7-1/2" (191mm)	4-5/8" (118mm)			VF7301B	BR31

Max load applies to bracket only, not the strength of the strut arm.

## Handrail Stand-Off Bracket



SPECIFYING Brand & Part No.	Channel Usage	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W1031	3-1/2" (89mm)	--	--
W1032	3" (76mm)	--	--
W1033	2" (51mm)	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

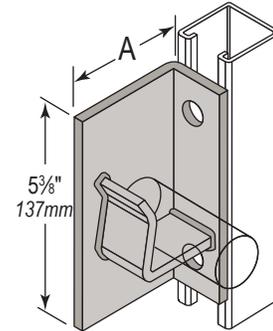
Concrete Inserts

Roofing Supports

Fiberglass System

Technical Data

## Single Axle Cable Reel Support

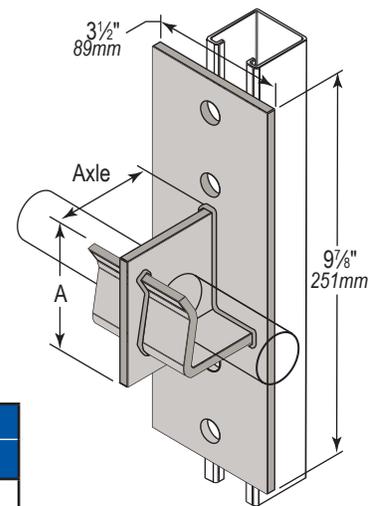


Right Hand Shown

SPECIFYING Brand & Part No.	A	Axle	Description	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W5639L	3" (76mm)	1-1/4" (32mm)	Left Hand	VF7207L	--
W5640L	3-5/8" (92mm)	2" (51mm)		VF7208L	--
W5639R	3" (76mm)	1-1/4" (32mm)	Right Hand	VF7207R	--
W5640R	3-5/8" (92mm)	2" (51mm)		VF7208R	--

Design Uniform Load when attached to listed upright column.

## Double Axle Cable Reel Support



SPECIFYING Brand & Part No.	A	Axle	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W5643	3-1/4" (83mm)	2-5/8" (67mm)	VF7407	--
W5644	3-1/8" (79mm)	3-1/2" (89mm)	VF7408	--

Design Uniform Load when attached to listed upright column.

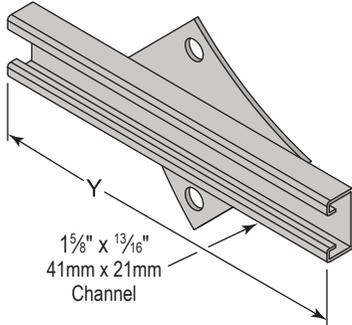
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Hot Dip Galvanized (HG)

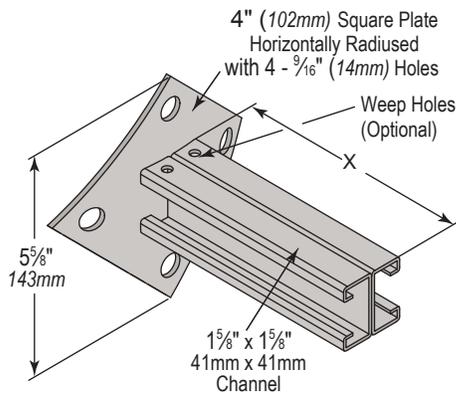
## Low Profile Diamond Back with Horizontal Strut Riser.

Standard channel 4" square plate horizontally radiused (5-<sup>5</sup>/<sub>8</sub>" nominal corner to corner).  
Welded top and bottom at apex of radiused back plate.



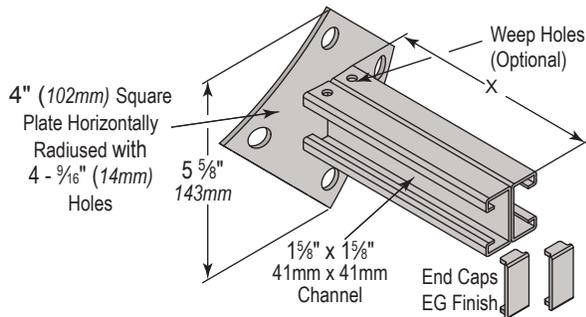
SPECIFYING Brand & Part No.	Y	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W10196	6" (152mm)	--	--
W10198	8" (203mm)	--	--
W101910	10" (254mm)	--	--
W101912	12" (305mm)	--	--
W101916	16" (406mm)	--	--
W101918	18" (457mm)	--	--
W101924	24" (610mm)	--	--

## Diamond Back Extended Riser Bracket



SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W10106	6" (152mm)	--	--
W10108	8" (203mm)	--	--
W101010	10" (254mm)	--	--
W101012	12" (305mm)	--	--
W101015	15" (381mm)	--	--
W101016	16" (406mm)	--	--
W101018	18" (457mm)	--	--
W101024	24" (610mm)	--	--

## Diamond Back Extended Riser Bracket

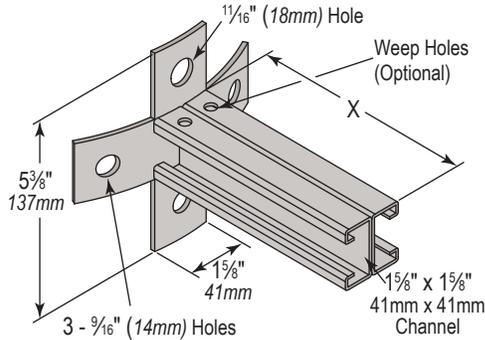


SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W10116	6" (152mm)	--	--
W10118	8" (203mm)	--	--
W101110	10" (254mm)	--	--
W101112	12" (305mm)	--	--
W101116	16" (406mm)	--	--
W101118	18" (457mm)	--	--
W101124	24" (610mm)	--	--
W101130	30" (762mm)	--	--
W101136	36" (914mm)	--	--
W101140	40" (1,016mm)	--	--
W101148	48" (1,219mm)	--	--

Hole Diameter: <sup>9</sup>/<sub>16</sub>" (14mm); Hole Spacing - From End: <sup>13</sup>/<sub>16</sub>" (21mm); Hole Spacing - On Center: 1-<sup>7</sup>/<sub>8</sub>" (48mm); Width: 1-<sup>5</sup>/<sub>8</sub>" (41mm); Thickness: <sup>1</sup>/<sub>4</sub>" (6mm)  
Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)

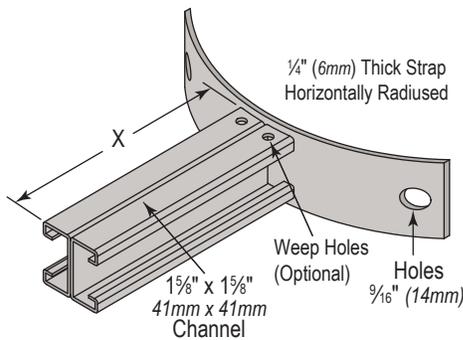


## Cross Back Extended Riser Bracket



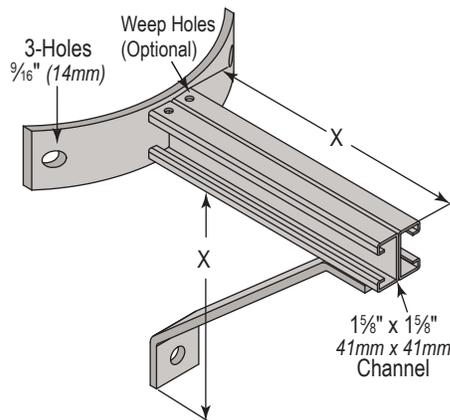
SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W10156	6" (152mm)	--	--
W10158	8" (203mm)	--	--
W101510	10" (254mm)	--	--
W101512	12" (305mm)	--	--
W101516	16" (406mm)	--	--
W101518	18" (457mm)	--	--
W101520	20" (508mm)	--	--
W101524	24" (610mm)	--	--

## Strap Back Extended Riser Bracket



SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W10126	6" (152mm)	--	--
W10128	8" (203mm)	--	--
W101210	10" (254mm)	--	--
W101212	12" (305mm)	--	--
W101216	16" (406mm)	--	--
W101218	18" (457mm)	--	--
W101224	24" (610mm)	--	--

## Strap Back Extended Riser Bracket with Bottom Attached Brace



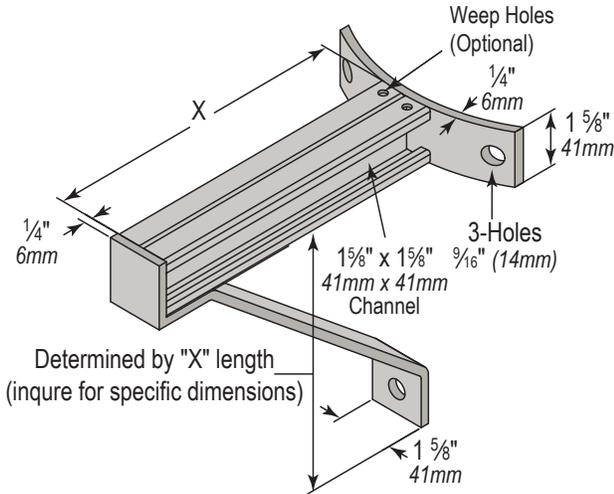
SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W10136	6" (152mm)	--	--
W10138	8" (203mm)	--	--
W101310	10" (254mm)	--	--
W101312	12" (305mm)	--	--
W101316	16" (406mm)	--	--
W101318	18" (457mm)	--	--
W101324	24" (610mm)	--	--

Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{7}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)  
 Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)



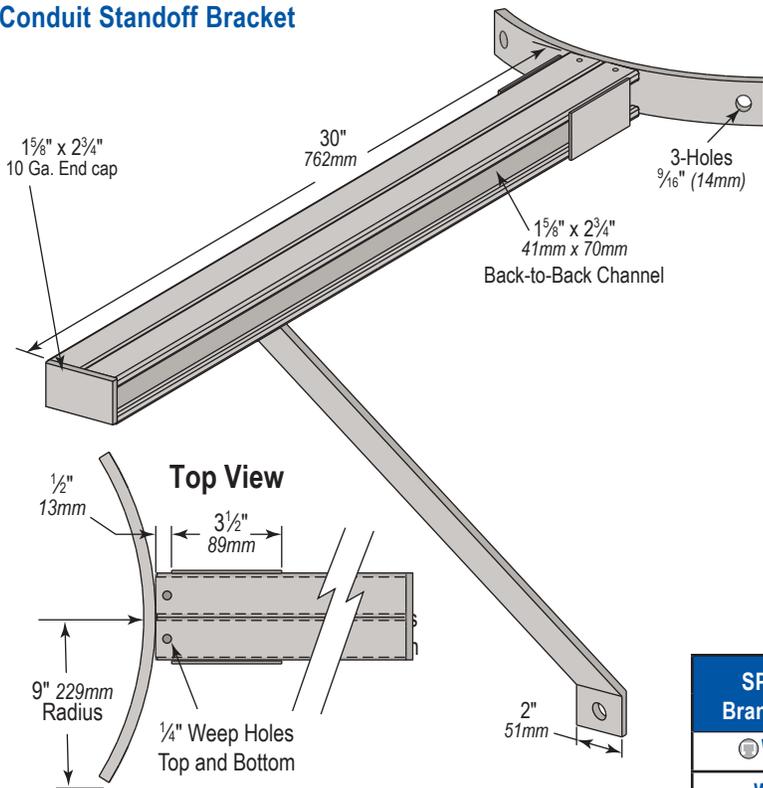
Standard Finish: Hot Dip Galvanized (HG)

## Strap Back Extended Riser Bracket with End Wrap Brace



SPECIFYING Brand & Part No.	X	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W10166</b>	6" (152mm)	--	--
<b>W10168</b>	8" (203mm)	--	--
<b>W101610</b>	10" (254mm)	--	--
<b>W101612</b>	12" (305mm)	--	--
<b>W101616</b>	16" (406mm)	--	--
<b>W101618</b>	18" (457mm)	--	--
<b>W101624</b>	24" (610mm)	--	--

## Conduit Standoff Bracket



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WSF101668</b>	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)  
 Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)



Introduction

Channel

Channel Nuts & Hardware

General Fittings

**Brackets**

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

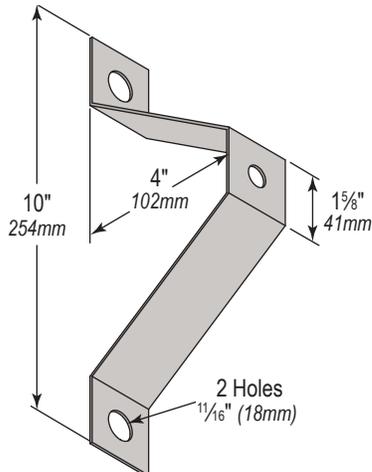
Rooftop Supports

Fiberglass System

Technical Data

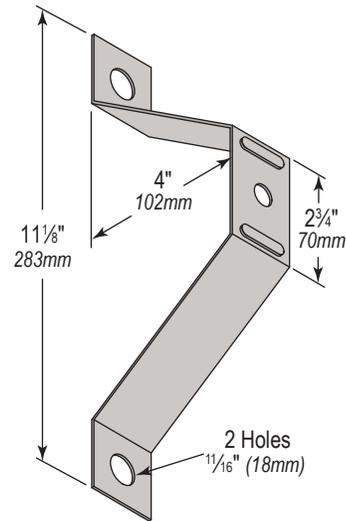
Standard Finish: Hot Dip Galvanized (HG)

## Bracket



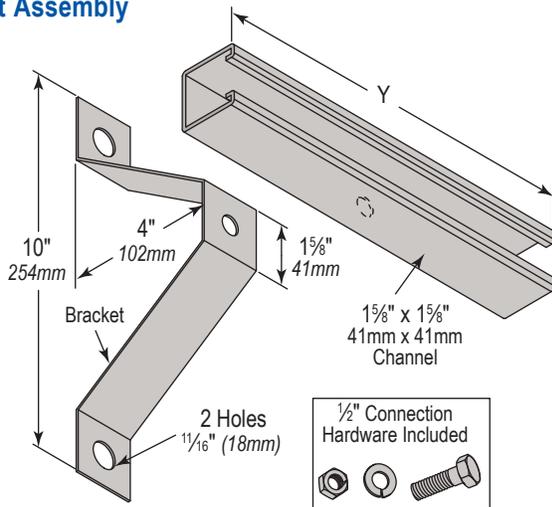
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W1017	--	--	--

## Anti-Rotation Bracket



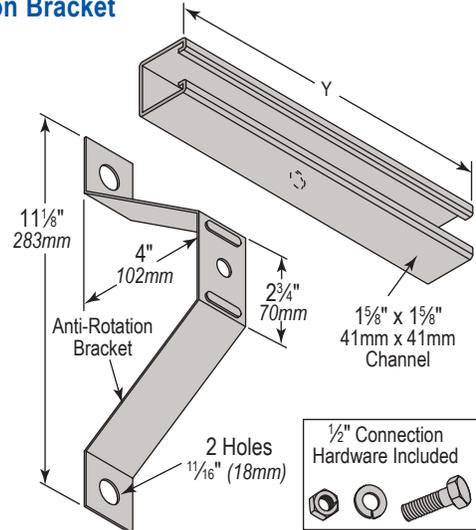
SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO		VERSABAR	FLORIDA STRUT
W1017AR	--	--	--

## Bracket Assembly



SPECIFYING Brand & Part No.	Y	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
WESANCO			
W1017A6	6" (152mm)	--	--
W1017A8	8" (203mm)	--	--
W1017A10	10" (254mm)	--	--
W1017A12	12" (305mm)	--	--
W1017A16	16" (406mm)	--	--
W1017A18	18" (457mm)	--	--
W1017A24	24" (610mm)	--	--

## Anti-Rotation Bracket Assembly



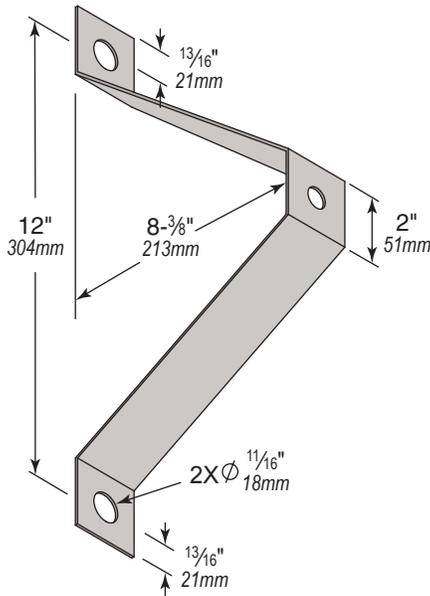
SPECIFYING Brand & Part No.	Y	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
WESANCO			
W1017ARA6	6" (152mm)	--	--
W1017ARA8	8" (203mm)	--	--
W1017ARA10	10" (254mm)	--	--
W1017ARA12	12" (305mm)	--	--
W1017ARA16	16" (406mm)	--	--
W1017ARA18	18" (457mm)	--	--
W1017ARA24	24" (610mm)	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)  
 Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)



Standard Finish: Hot Dip Galvanized (HG)

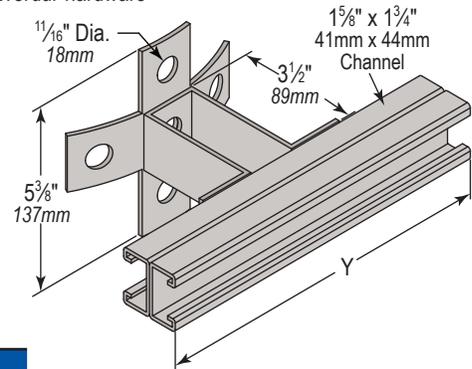
## Large Bracket



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W1017E</b>	VF6114	--

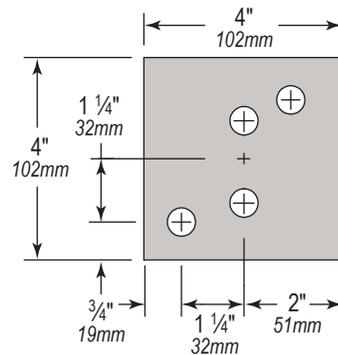
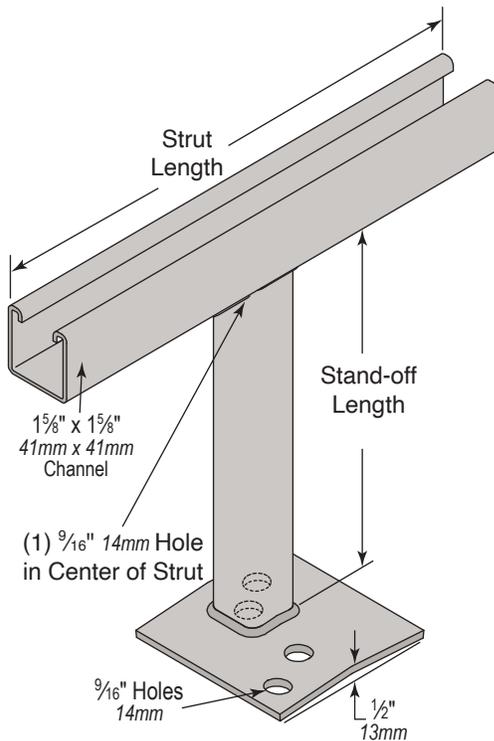
## Diamond Back Extended Riser Bracket with Horizontal Strut

Also available W1007 E-Y with (3) W6162-HG; each clamp with Everdur hardware



SPECIFYING Brand & Part No.	Y	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W10076</b>	6" (152mm)	--	--
<b>W10078</b>	8" (203mm)	--	--
<b>W100710</b>	10" (254mm)	--	--
<b>W100712</b>	12" (305mm)	--	--
<b>W100716</b>	16" (406mm)	--	--
<b>W100718</b>	18" (457mm)	--	--
<b>W100724</b>	24" (610mm)	--	--

## Square Tube Stand Off

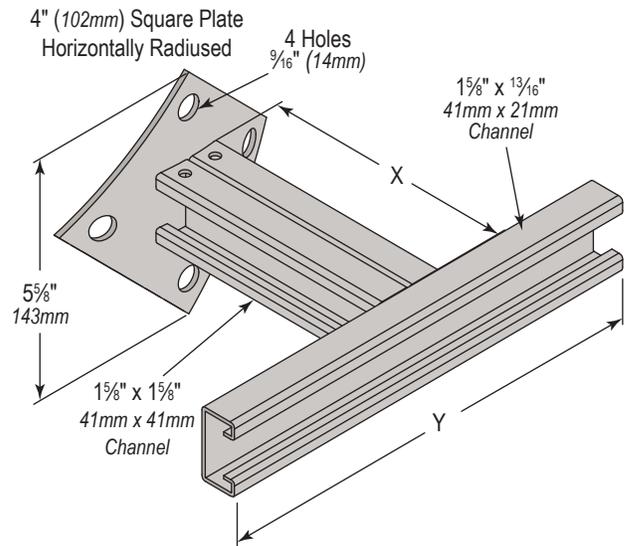


SPECIFYING Brand & Part No.	Stand-off Length	Strut Length	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W102281/8</b>	8 1/8" (206mm)	12" (305mm)	--	--
<b>W102281/8M</b>	8 1/8" (206mm)	16" (406mm)	--	--
<b>W102210X12</b>	10" (254mm)	12" (305mm)	--	--
<b>W102210X16</b>	10" (254mm)	16" (406mm)	--	--
<b>W102212X12</b>	12" (305mm)	12" (305mm)	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)  
 Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)



## Extended Profile Diamond Back with Horizontal Riser Strut



SPECIFYING Brand & Part No.	X	Y	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W102166	6" (152mm)	6" (152mm)	--	--
W102168		8" (203mm)	--	--
W1021610		10" (254mm)	--	--
W1021612		12" (305mm)	--	--
W1021616		16" (406mm)	--	--
W1021618		18" (457mm)	--	--
W1021624		24" (610mm)	--	--
W102186	8" (203mm)	6" (152mm)	--	--
W102188		8" (203mm)	--	--
W1021810		10" (254mm)	--	--
W1021812		12" (305mm)	--	--
W1021816		16" (406mm)	--	--
W1021818		18" (457mm)	--	--
W1021824		24" (610mm)	--	--
W1021106	10" (254mm)	6" (152mm)	--	--
W1021108		8" (203mm)	--	--
W10211010		10" (254mm)	--	--
W10211012		12" (305mm)	--	--
W10211016		16" (406mm)	--	--
W10211018		18" (457mm)	--	--
W10211024		24" (610mm)	--	--
W1021126	12" (305mm)	6" (152mm)	--	--
W1021128		8" (203mm)	--	--
W10211210		10" (254mm)	--	--
W10211212		12" (305mm)	--	--
W10211216		16" (406mm)	--	--
W10211218		18" (457mm)	--	--
W10211224		24" (610mm)	--	--

SPECIFYING Brand & Part No.	X	Y	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W1021166	16" (406mm)	6" (152mm)	--	--
W1021168		8" (203mm)	--	--
W10211610		10" (254mm)	--	--
W10211612		12" (305mm)	--	--
W10211616		16" (406mm)	--	--
W10211618		18" (457mm)	--	--
W10211624		24" (610mm)	--	--
W1021186	18" (457mm)	6" (152mm)	--	--
W1021188		8" (203mm)	--	--
W10211810		10" (254mm)	--	--
W10211812		12" (305mm)	--	--
W10211816		16" (406mm)	--	--
W10211818		18" (457mm)	--	--
W10211824		24" (610mm)	--	--
W1021246	24" (610mm)	6" (152mm)	--	--
W1021248		8" (203mm)	--	--
W10212410		10" (254mm)	--	--
W10212412		12" (305mm)	--	--
W10212416		16" (406mm)	--	--
W10212418		18" (457mm)	--	--
W10212424		24" (610mm)	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)  
 Typical: Weep Holes top and bottom (optional), Appropriate (hot dipped galvanized) end caps available on any unit (optional)

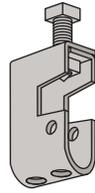


# Beam Clamps



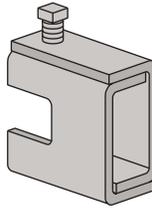
## All Purpose Beam Clamps

Page 126



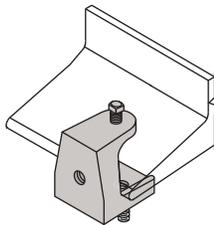
## Formed Steel Beam Clamps

Page 127



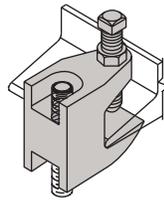
## Rod Suspension Beam Clamps

Pages 128 - 130



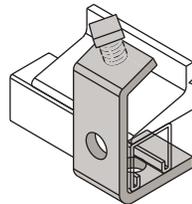
## Universal Beam Clamps

Pages 130 - 132



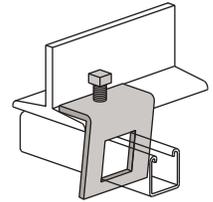
## C-Type & Z-Type Beam Clamps

Pages 131 - 132



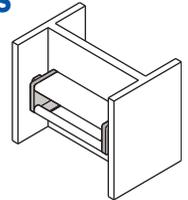
## Notched or Window Type Beam Clamps

Page 132



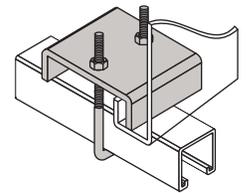
## Strut to Beam Spreader Caps

Pages 132 - 133



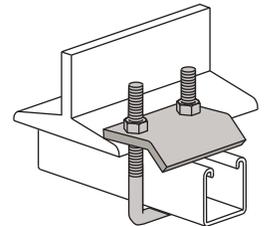
## Purlin Beam Clamps

Page 135



## U-Bolt Beam Clamps

Pages 134 - 138



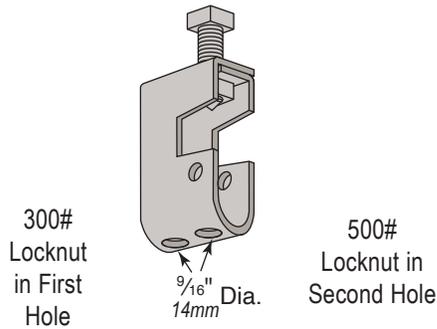
Fittings Specifications		
Material	ASTM	ASTM Description
Hot Rolled Plate	A 575, A 1011, A 1018, A 576, A638	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting: Steel	A 366, A 36	Steel carbon, cold rolled sheet, commercial quality structural steel.
Strip Steel: Pipe Clamps	A 569	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Stainless Steel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum	B 221	Aluminum alloy extruded bar, rod, wire, shape and tube.

Fitting Finish Specifications	
Finish	Description
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

See page 23 for Material or Finish ordering codes for part numbers.

Standard Finish: Electro Galvanized (EG)

## All Purpose Beam Clamp



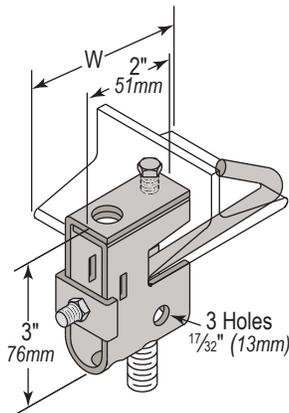
Provides for hanging rod directly below set screw. A 20° swivel is possible using 1/4" or 3/8" rod. Alternate use provides 1/4", 3/8" or 1/2" rod to be extended from the top to the bottom of the clamp on the end opposite the set screw. A 1/4" flat washer must be used with 1/4" rod.

Position	Design Load
A	500 Lbs. (2.22 kN)
B	300 Lbs. (1.33 kN)

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
WESANCO W5750	VX1000A	BC10

## Beam Clamp Formed Steel with J-Hook

Includes: Clamp, J-Hook, 3/8" hex nut and clip.

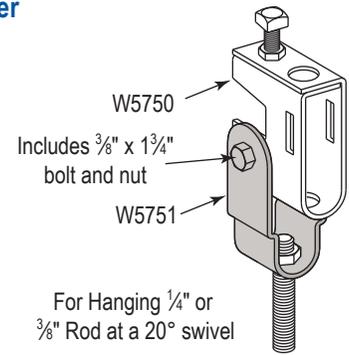


SPECIFYING Brand & Part No.	W	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W5752-6	3" thru 6" (76 to 152mm)	VX1000B	BC110600
W5752-9	6" thru 9" (152 to 228mm)	--	BC110900
W5752-10	6" thru 10" (152 to 254mm)	VX1000C	--
W5752-12	9" thru 12" (228 to 305mm)	--	BC111200

## Beam Clamp Swivel Adapter

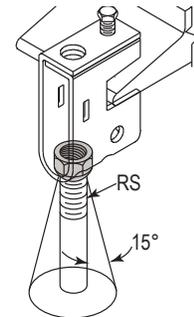
For use with 1/4", 3/8" or 1/2" rod (6mm, 8mm or 10mm).

If swivel is required use W5753-25 - W5753-50 Swivel Nut.



SPECIFYING Brand & Part No.	Design Load	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W5751	500 Lbs. (2.22 kN)	VX1090A	BC14

## Swivel Nut for use with All Purpose Beam Clamp

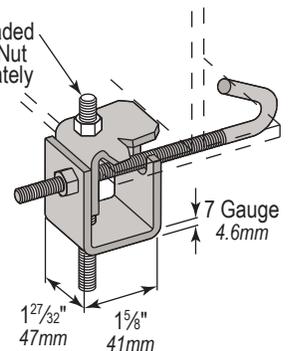


SPECIFYING Brand & Part No.	Rod Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W5753-25	1/4"-20	--	BC120025
W5753-37	3/8"-16	--	BC120037
W5753-50	1/2"-13	--	BC120050

## J-Hook Beam Clamp

Housing Unit with 2 Hex Nuts and J-Hook

1/2"-13 Threaded Rod & Hex Nut Sold Separately



SPECIFYING Brand & Part No.	Accommodates I-Beam Sizes	Maximum Flange Thickness	Design Load Safety Factor of 5
WESANCO W5756-4EG	3" to 6" (76 to 152mm)	5/8" (16mm)	500 Lbs (2.22kN)
W5756-6EG	5" to 9" (127 to 229mm)		
W5756-9EG	8" to 12" (203 to 305mm)		
W5756-12EG	11" to 15" (279 to 381mm)		

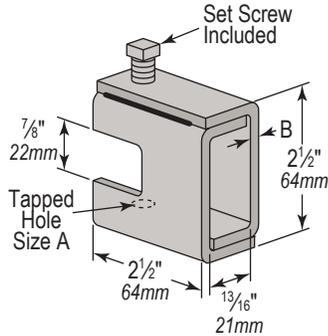
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Formed Steel Beam Clamp

Maximum flange thickness  $\frac{7}{8}$ " 22mm

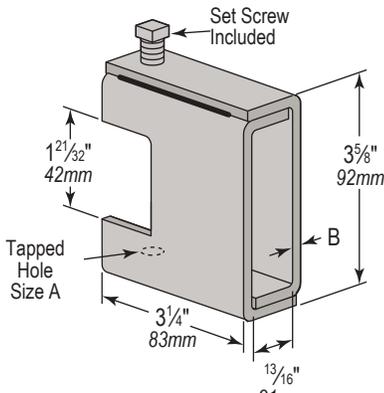


Bottom Rod against Beam (recommended)

SPECIFYING Brand & Part No.	A	B	Set Screw	Allowable Load Lbs. (kN) (ea.)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5721	$\frac{1}{4}$ "-20	$\frac{1}{8}$ " (3mm)	$\frac{3}{8}$ " x 1- $\frac{1}{2}$ "	650 (2.89 kN)	VX7002A	--
W5722	$\frac{5}{16}$ "-18				VX7003A	--
W5723	$\frac{3}{8}$ "-16				VX7004A	BC150037
W5724	$\frac{3}{8}$ "-16	$\frac{3}{16}$ " (5mm)	$\frac{1}{2}$ " x 1- $\frac{1}{2}$ "	1,100 (4.89 kN)	VX7005A	BC160037
W5725	$\frac{1}{2}$ "-13				VX7006A	BC150050
W5726	$\frac{1}{2}$ "-13	$\frac{1}{4}$ " (6mm)	$\frac{1}{2}$ " x 1- $\frac{1}{2}$ "	1,600 (7.12 kN)	VX7007A	BC160050
W5727	$\frac{5}{8}$ "-11				VX7008A	BC150062
W5728	$\frac{5}{8}$ "-11				VX7009A	BC160062
W5729	$\frac{3}{4}$ "-10	$\frac{5}{8}$ " (8mm)	$\frac{5}{8}$ " x 1- $\frac{1}{2}$ "	2,400 (10.68 kN)	VX7010A	--

## Formed Steel Heavy Duty Beam Clamp

For  $\frac{3}{4}$ " thru 1- $\frac{5}{8}$ " (19 thru 41mm) flange thickness

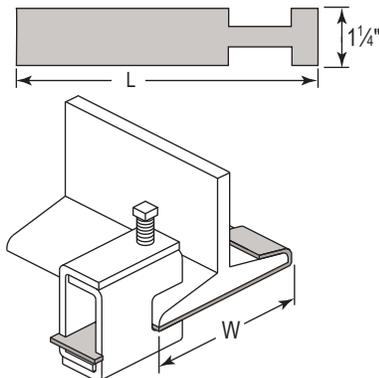


Bottom Rod against Beam (recommended)

SPECIFYING Brand & Part No.	A	B	Set Screw	Allowable Load Lbs. (kN) (ea.)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5731	$\frac{1}{4}$ "-20	$\frac{1}{8}$ " (3mm)	$\frac{3}{8}$ " x 2"	800 (3.56 kN)	VX7011A	--
W5732	$\frac{5}{16}$ "-18				VX7012A	--
W5733	$\frac{3}{8}$ "-16				VX7013A	BC170037
W5734	$\frac{3}{8}$ "-16	$\frac{3}{16}$ " (5mm)	$\frac{1}{2}$ " x 2"	1,300 (5.78 kN)	VX7014A	--
W5735	$\frac{1}{2}$ "-13				VX7015A	BC170050
W5736	$\frac{1}{2}$ "-13	$\frac{1}{4}$ " (6mm)	$\frac{1}{2}$ " x 2"	1,900 (8.45 kN)	VX7016A	--
W5737	$\frac{5}{8}$ "-11				VX7017A	BC170062
W5738	$\frac{5}{8}$ "-11				VX7018A	--
W5739	$\frac{3}{4}$ "-10	$\frac{5}{8}$ " (8mm)	$\frac{5}{8}$ " x 2"	2,800 (12.46 kN)	VX7019A	--

## Beam Clamp Anchor Strap

Straps can be used as a secondary method of securing clamp to beam. After inserting strap and mounting clamp to beam, excess length is then bent back up and over beam.



SPECIFYING Brand & Part No.	W * (Max)	L	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5781	7" (178mm)	10" (254mm)	VX1006	--
W5782	9" (228mm)	12" (305mm)	VX1007	BC130900
W5783	11" (279mm)	14" (356mm)	VX1008	--
W5784	12" (305mm)	15" (381mm)	--	BC131200
W5785	13" (330mm)	16" (406mm)	VX1009	--
W5786	15" (381mm)	18" (457mm)	VX1010	BC131500

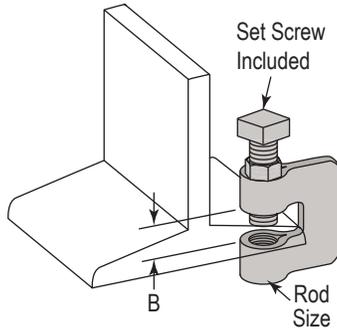
\* For beam flange thickness greater than  $\frac{3}{4}$ " (19mm) use next larger flange width size.

Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Beam Clamps

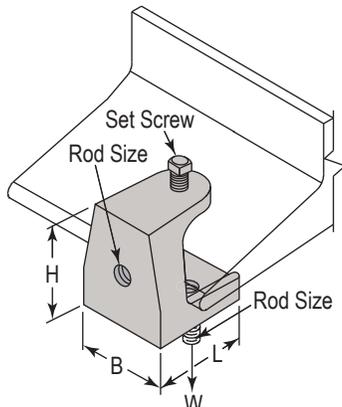


"Bottom Rod" Against Beam (Recommended)

SPECIFYING Brand & Part No.	Rod Size	B	Allowable Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>W5741</b>	3/8"-16	3/4" (19mm)	400 (1.78 kN)	VX111137	W5741
<b>W5742</b>	1/2"-13		500 (2.22 kN)	VX111150	W5742
<b>W5743</b>	5/8"-11		550 (2.45 kN)	VX111162	W5743
<b>W5744</b>	3/4"-10		600 (2.67 kN)	VX111175	W5744
<b>W5745</b>	7/8"-9	1-1/16" (27mm)	900 (4.00 kN)	VX111187	W5745

\* For clamp with Locknut, add "N" to the part number ex: VX111137N

## Malleable Iron Rod Support Beam Clamps

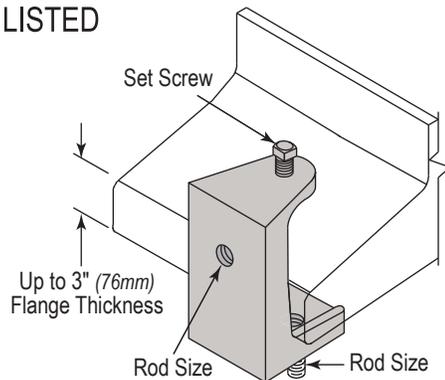


- Material: Malleable Iron
- Finish: Electro Galvanized (EG)
- Maximum flange thickness of 1/2" (13mm)
- Stainless 316 available by special order

SPECIFYING Brand & Part No.	Rod Size	Set Screw Size	B	L	H	Max Load (W) lbs	DISCONTINUED Brands & Part No.	
							VERSABAR	FLORIDA STRUT
<b>WESANCO</b>								
<b>BC9025</b>	1/4"-20	5/16"-18	1 3/16" (33 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	335 (1.49kN)	VX9004	BC900025
<b>BC9037</b>	3/8"-16	1/2"-13	2 1/16" (52 mm)	1 7/8" (48 mm)	1 3/4" (44 mm)	525 (2.34kN)	VX9005	BC900037
<b>BC9050</b>	1/2"-13	1/2"-13	2 1/2" (64 mm)	2 3/8" (60 mm)	2 3/16" (56 mm)	750 (3.34kN)	VX9006	BC900050

## Wide Mouth Rod Suspension Beam Clamps

Accepts up to 3" Thick Flanges



- Material: Malleable Iron
- Finish: Bright Zinc
- Maximum flange thickness of 3" (76mm)

SPECIFYING Brand & Part No.	Rod Size	Set Screw Size	Max Work Load lbs kN	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>BC9325</b>	1/4"-20	5/16"-18 x 2 1/2"	200 (0.89kN)	VX9004WM	--
<b>BC9337</b>	3/8"-16	3/8"-16 x 2 1/2"	300 (1.33kN)	VX9005WM	--
<b>BC9350</b>	1/2"-13	1/2"-13 x 2 1/2"	400 (1.78kN)	VX9006WM	--

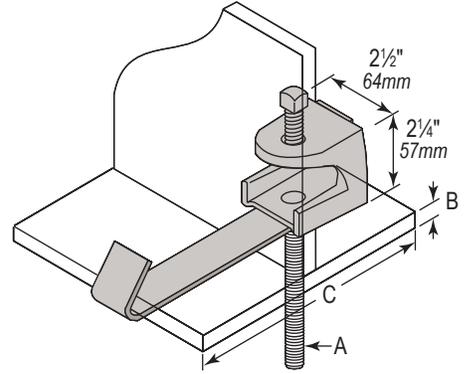
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Rod Suspension Beam Clamps with Retainer

Stock Thickness on retainer strap is 14 ga. .075" (1.91)  
 Set Screw Diameter is 1/2"-13 x 1-1/4"  
 Includes: Clamp & Set Screw, J-Hook, & 1/2"-13 Hex Head Cap Screw  
 (Threaded rod sold separately).

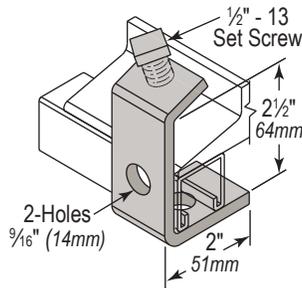


Retainer is supplied flat. Hammer end of retainer up and over beam after clamp is securely attached to beam flange

SPECIFYING Brand & Part No.	Rod Size A	B Beam Thickness	C Flange Width	Design Load lbs (kN)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5792-6	1/2"-13	3/8" to 13/16" (9 to 21mm)	4" thru 6" (102 thru 152mm)	400 (1.8kN)	VX9000	--
W5792-9			7" thru 9" (178 thru 229mm)		VX9001	--
W5792-12			10" thru 12" (254 thru 305mm)		VX9002	--
W5792-15			13" thru 15" (330 thru 381mm)		VX9003	--

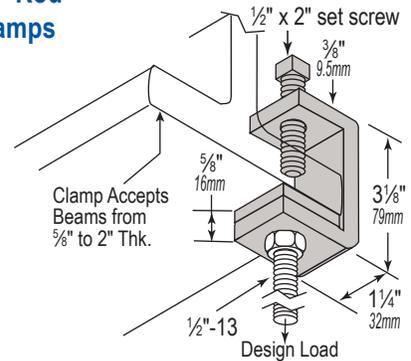
## Strut to Beam Clamp C-Type, Parallel

3/8" 10mm material thickness



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b> W5714	VERSABAR VX7002AL	FLORIDA STRUT BC22

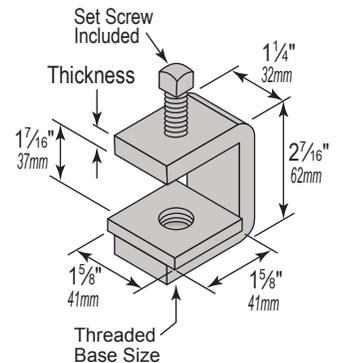
## Heavy Beam 1/2" Rod Suspension Clamps



SPECIFYING Brand & Part No.	Design Load	DISCONTINUED Brands & Part No.	
<b>WESANCO</b> W5707	800 Lbs. (3.56 kN)	VERSABAR VX704450	FLORIDA STRUT --

## Heavy Duty Rod Suspension Clamps Wide Jaw fits up to 1-3/8" Thick

Supplied with stainless 18-8 cup point square head set screw.  
 (Stainless 316 available by special order)  
 All U.N.C course threads



SPECIFYING Brand & Part No.	Threaded Base Rod Size	Set Screw Size	Clamp Thickness	* Max. Design Load for Threaded Base Lbs. (kN)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5746	1/4"-20	3/8"-16 x 2"	1/4" (6mm)	250 (1.11 kN)	VX7070A	--
W5747	3/8"-16	1/2"-13 x 2"	3/8" (10mm)	750 (3.34 kN)	VX7070B	--
W5748	1/2"-13	1/2"-13 x 2"		1,130 (5.03 kN)	VX7070C	--
W5749	5/8"-11	5/8"-11 x 2"		1,130 (5.03 kN)	VX7070D	--

\* Do not exceed design loading per rod diameter.  
 Load for Clamp base threaded rod suspended downward

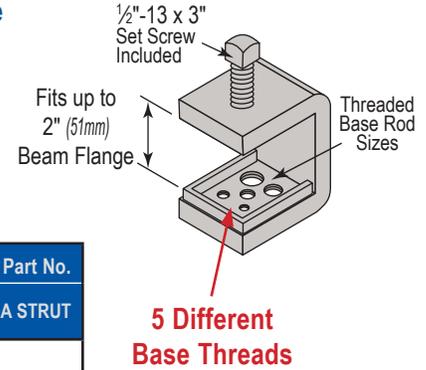
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam.  
 It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## “Handi-Clamp” Rod Suspension Clamps Wide jaw fits up to 2" thick beam flange

This beam clamp is used with conduit hangers, bridle rings, and threaded rod. W5780 beam clamp is used to hang light, medium or heavy loads from structural beams. Their hardened, cup-point screw and carbon steel body will not distort or slip off the beam edge when tightened. Having a total of FIVE individual base threads always means you've got "the right clamp" in your hands. Wide jaw allows fitment to thick beams. Hot dipped finish is suitable for indoor or out door use.

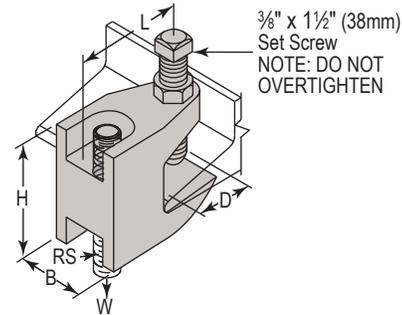


SPECIFYING Brand & Part No.		Threaded Base Rod Size	Set Screw Size	* Max. Design Load for Threaded Base Lbs. (kN)	DISCONTINUED Brands & Part No.	
WESANCO					VERSABAR	FLORIDA STRUT
W5780	1/4"-20	1/2"-13 x 3"	250 (1.11 kN)	VXH1	--	
	5/16"-18		650 (2.89 kN)			
	3/8"-16		750 (3.34 kN)			
	1/2"-13		900 (4.00 kN)			
	5/8"-11		1,000 (4.45 kN)			

\* Do not exceed design loading per rod diameter.

## Malleable Iron Universal Beam Clamps

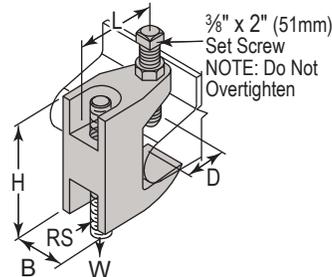
- Material: Malleable Iron
- Finish: Plain (PL),or ElectroGalvanized (EG)
- Maximum flange thickness of 5/8" (16mm)



SPECIFYING Brand & Part No.		Rod Size (RS)	Max Load W lbs	Max Pipe Size	B	L	H	D	DISCONTINUED Brands & Part No.	
WESANCO									VERSABAR	FLORIDA STRUT
BC8037	3/8" - 16	350 (1.56kN)	4" (102mm)	7/8" (22mm)	1 1/16" (33mm)	1 1/2" (38mm)	1/2" (13mm)	--	BC800037	
BC8050	1/2" - 13	470 (2.09kN)						--	BC800050	
BC8062	5/8" - 11	550 (2.45kN)	5" (127mm)	1 1/8" (29mm)	1 3/4" (45mm)	1 3/4" (45mm)	5/8" (16mm)	--	BC800062	
BC8075	3/4" - 10	700 (3.11kN)	6" (152mm)	1 3/8" (35mm)	1 7/8" (48mm)	1 7/8" (48mm)	5/8" (16mm)	--	BC800075	

## Wide Mouth Malleable Iron Universal Beam Clamps

- Material: Malleable Iron
- Finish: Plain (PL),or ElectroGalvanized (EG)
- Maximum flange thickness of 1-1/16" (27mm)



SPECIFYING Brand & Part No.		Rod Size (RS)	Max Load W lbs	Max Pipe Size	B	L	H	D	DISCONTINUED Brands & Part No.	
WESANCO									VERSABAR	FLORIDA STRUT
BC81037	3/8" - 16	400 (1.78kN)	4" (102mm)	7/8" (22mm)	1 3/8" (35mm)	2" (51mm)	1/2" (13mm)	VX111137T	BC810037	
BC81050	1/2" - 13	500 (2.22kN)						VX111150T	BC810050	
BC81062	5/8" - 11			1 1/4" (32mm)	1 7/8" (48mm)	2 3/8" (60mm)	5/8" (16mm)	VX111162T	BC810062	
BC81075	3/4" - 10	800 (3.56kN)		2 3/8" (60mm)	3/4" (19mm)	VX111175T	--			

Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.

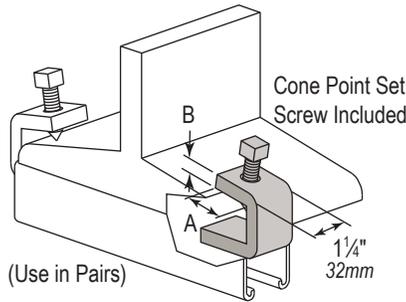


# Beam Clamps



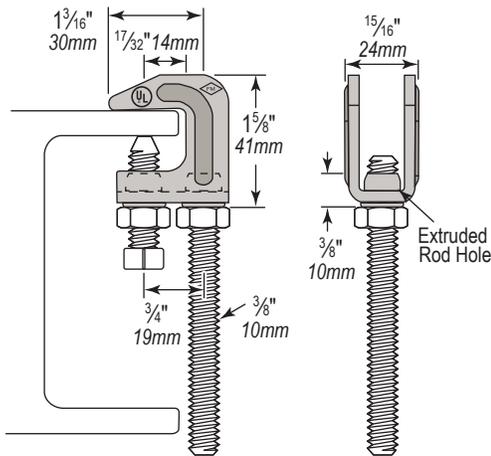
Standard Finish: Electro Galvanized (EG)

## Strut to Beam Clamp C-Type



SPECIFYING Brand & Part No.	Set Screw	Max Flange Thickness	A	B	H	Design Load Lbs. (kN) (Used in Pairs)	DISCONTINUED Brands & Part No.	
							VERSABAR	FLORIDA STRUT
<b>W5715</b>	3/8"-16	1" (25mm)	1-3/4" (44mm)	1/4" (6mm)	7/8" (22mm)	550 (2.45 kN)	VX7001	BC20
<b>W5716</b>	1/2"-13	1" (25mm)	1-1/2" (38mm)	3/8" (10mm)	7/8" (22mm)	1,000 (4.45 kN)	VX7042	BC21
<b>W5717</b>	1/2"-13	2" (51mm)	1-1/4" (32mm)	3/8" (10mm)	2-1/8" (54mm)	900 (4.00 kN)	VX7043	--

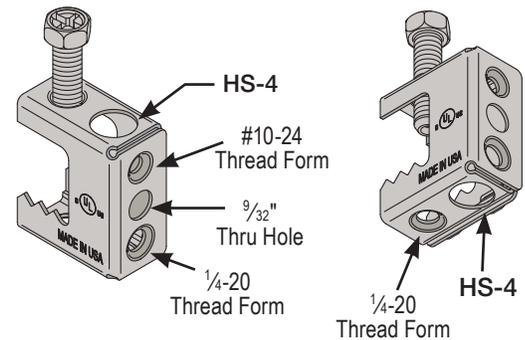
## Silver Claw Beam Clamp



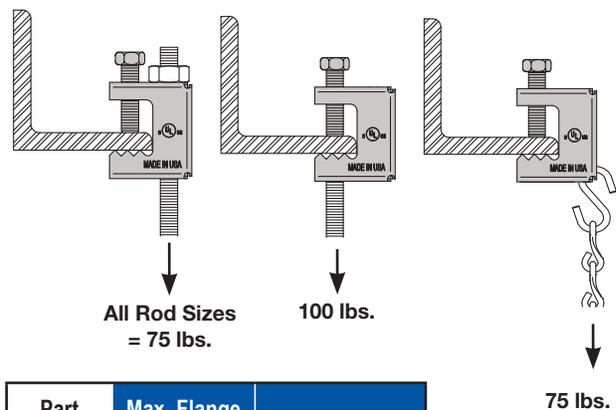
- Carbon Steel - Avoids Hydrogen Embrittlement
- Extruded Rod Hole - More Threads Captured
- Made in USA - Meets Requirements for Buy America
- Handles 3/8" Threaded Rod
- Attaches to 3/4" (19mm) Beam or Bar Joist
- Open Back for Easy Inspection and Adjustment
- 3/4" (19mm) Flange Beam
- Zinc Electroplate
- Installs in Upright Position
- UL Listed for Top of Beam
- FM Approved for NFPA 13, Maximum Rated Pipe Size
- Complies with Manufacturers Standardization Society SP-69 (Type 19 & 23) and Federal Specification WW-H-171E

Part No.	Rod Size	Max. Load
<b>SCL037EG</b>	3/8"	400 Lbs.

## BCL Beam Clamp



- UL Listed for box support.
- For installation on 1/2" maximum beam flanges.
- Included combo head set screw allows Robertson, Phillips/Slotted and Hex drivers.
- Accepts "S" hooks, threaded rod and bridal rings.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



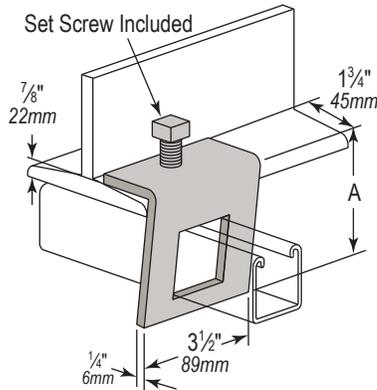
Part No.	Max. Flange Thickness	HS-4
<b>BCL</b>	1/2"	13/32" Thru Hole for 1/4" or 3/8" Rod

Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



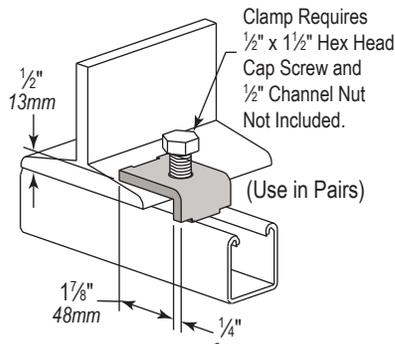
Standard Finish: Electro Galvanized (EG)

## Strut to Beam Clamp Window Type



SPECIFYING Brand & Part No.	A	For Channel	Design Uniform Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
WESANCO					
W5705	2- <sup>11</sup> / <sub>16</sub> " (68mm)	1- <sup>5</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>16</sub> "	480 (2.14 kN)	VX7037A4	--
W5702	3- <sup>1</sup> / <sub>2</sub> " (89mm)	1- <sup>5</sup> / <sub>8</sub> " x 1- <sup>5</sup> / <sub>8</sub> "		VX7037A	BC40

## Strut to Beam Clamp Notched Type

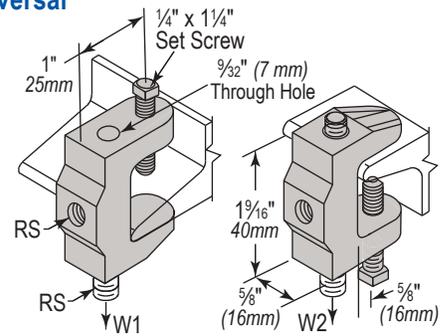


SPECIFYING Brand & Part No.	Includes	Design Uniform Load Lbs. (kN)		DISCONTINUED Brands & Part No.	
		1- <sup>5</sup> / <sub>8</sub> " 12 Gauge Channel	1- <sup>5</sup> / <sub>8</sub> " 14 Gauge Channel	VERSABAR	FLORIDA STRUT
WESANCO					
W5713	Without Hardware	600 (2.67 kN)	500 (2.22 kN)	VF2102	BC70

Load capacity when used in pairs

## Malleable Iron Universal Beam Clamps

- Material: Malleable Iron
- Finish: Electro Galvanized (EG)
- Maximum flange thickness of <sup>5</sup>/<sub>8</sub>" (16mm)



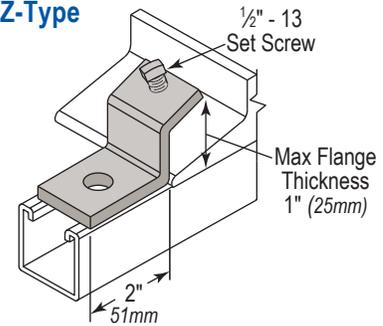
SPECIFYING Brand & Part No.	Rod Size (RS)	W1 Max Load	W2 Max Load	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
WESANCO					
BC91025	1/4" - 20	100 (0.44kN)	250 (1.11kN)	--	BC910025

The threaded hole on the back side of the clamp is not load rated. Do not over tighten set screw

## Strut to Beam Clamp Z-Type

<sup>3</sup>/<sub>8</sub>" 10mm material thickness

Use in Pairs

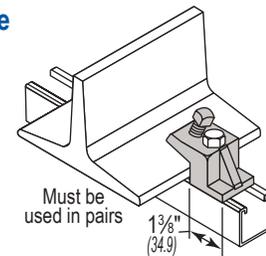


SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
WESANCO	VERSABAR	FLORIDA STRUT
W5712	VX7106A	BC30

## Strut to Beam Clamp Z-Type

<sup>3</sup>/<sub>8</sub>" 10mm material thickness

Use in Pairs



SPECIFYING Brand & Part No.	Includes	Design Uniform Load Lbs. (kN)		DISCONTINUED Brands & Part No.	
		1- <sup>5</sup> / <sub>8</sub> " 12 Gauge Channel	1- <sup>5</sup> / <sub>8</sub> " 14 Gauge Channel	VERSABAR	FLORIDA STRUT
WESANCO					
W5779	Clamp and Set Screw	600 (2.67 kN)	500 (2.22 kN)	VX7101S	--
W5779A	All Hardware			VX7101A	--

Load capacity when used in pairs

Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



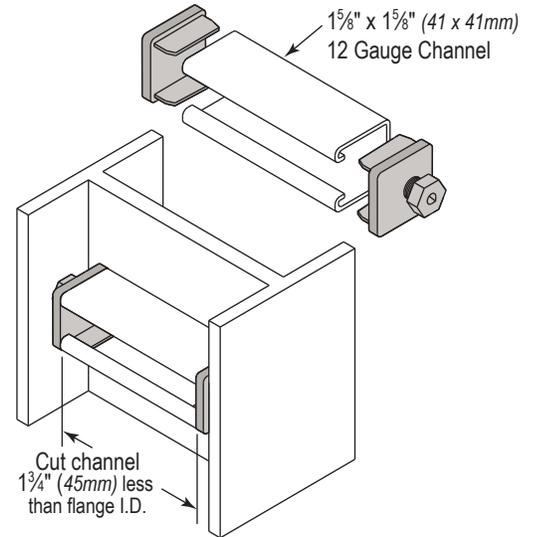
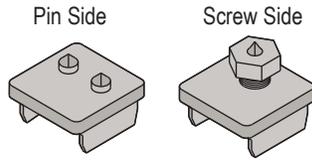
# Beam Clamps



Standard Finish: Electro Galvanized (EG)

## Strut to Beam Spreader Caps

Cut 1-5/8" channel length 1-3/4" (45mm)  
**shorter** than I.D. between beam flanges to allow for plate thickness.



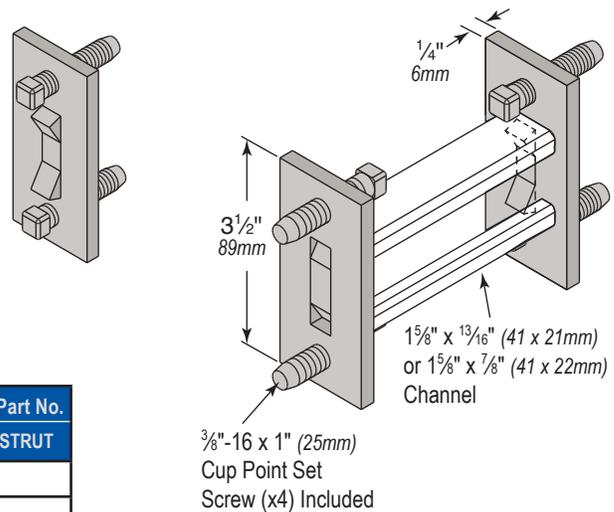
Column mounts are sold as a matching pair. Jacking screw provides pressure to hold channel between beam flanges. Hardened tips on pin side bite into opposite side. Channel can be mounted with slot facing up, down or out.

SPECIFYING Brand & Part No.	For Channel	Slip Load of plates Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO				
W5760	1-5/8" (41mm)	800 (3.56 kN)	VX7715A	--

Channel Load rating is independent of clamp slip load rating

## Strut to Beam Spreader Caps

Undercut channel length min of 1/2" (13mm) to allow for plate thickness.

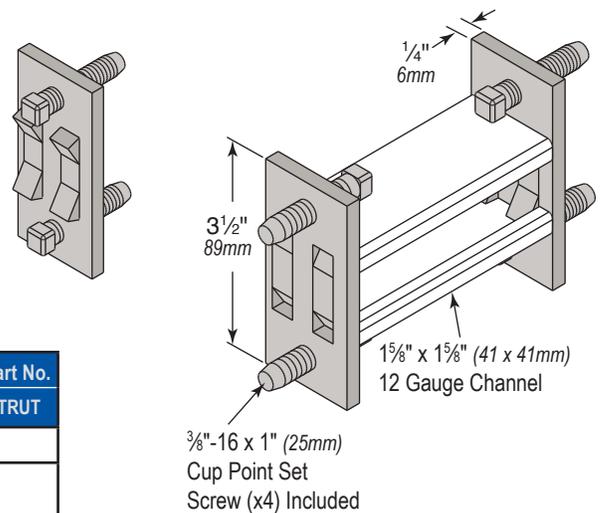


SPECIFYING Brand & Part No.	For Channel	Slip Load of plates Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO				
W5790	7/8", & 13/16"	800 (3.56 kN)	VX7715B4	--

Channel Load rating is independent of clamp slip load rating

## Strut to Beam Spreader Caps

Undercut channel length min of 1/2" (13mm) to allow for plate thickness.



SPECIFYING Brand & Part No.	For Channel	Slip Load of plates Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO				
W5791	1-5/8" (41mm)	800 (3.56 kN)	VX7715B	--

Channel Load rating is independent of clamp slip load rating  
 Available in Stainless Steel

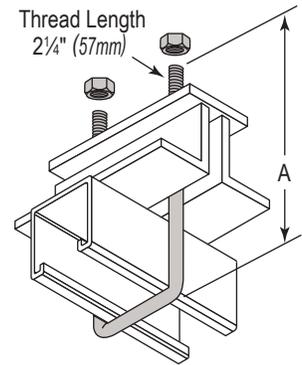
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Strut to Beam Clamps with Square U-Bolt

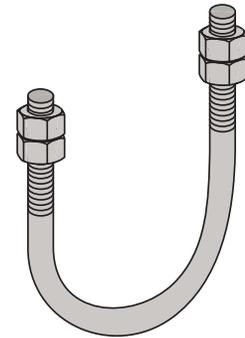
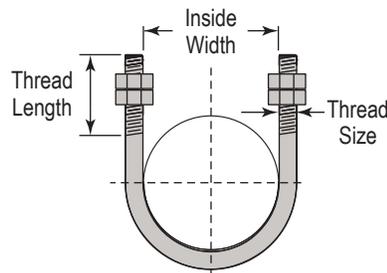
2 - 3/8"-16 Thread Hex Nuts Included



SPECIFYING Brand & Part No.	A	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W7050A	3-1/2" (89 mm)	VX7050A	--
W7050B	5" (127 mm)	VX7050B	--

## Standard Duty U-Bolt

4 - Hex Nuts Included



SPECIFYING Brand & Part No.	Nominal Pipe Size	C	Thread Length	Thread Size	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
W6304	1/2" (13mm)	15/16" (24mm)	2-1/8" (54mm)	1/4"-20	--	--
W6306	3/4" (19mm)	1-1/8" (29mm)			--	--
W6308	1" (25mm)	1-3/8" (35mm)			--	--
W6310	1-1/4" (32mm)	1-11/16" (43mm)			--	--
W6312	1-1/2" (38mm)	2" (51mm)	2-1/2" (64mm)	3/8" -16	--	--
W6314	2" (51mm)	2-7/16" (62mm)			--	--
W6316	2-1/2" (64mm)	2-15/16" (75mm)	3" (76mm)	1/2"-13	--	--
W6318	3" (76mm)	3-9/16" (91mm)			--	--
W6320	3-1/2" (89mm)	4-1/16" (103mm)			--	--
W6322	4" (102mm)	4-9/16" (116mm)			--	--
W6324	5" (127mm)	5-21/32" (144mm)			--	--
W6326	6" (152mm)	6-3/4" (171mm)			--	--
W6328	8" (203mm)	8-3/4" (222mm)	3-3/4" (95mm)	5/8"-11	--	--
W6330	10" (254mm)	10-7/8" (276mm)			--	--
W6332	12" (305mm)	12-7/8" (327mm)	4-1/4" (108mm)	3/4"-10	--	--
W6334	14" (356mm)	14-1/8" (359mm)			--	--
W6336	16" (406mm)	16-1/8" (410mm)			--	--
W6338	18" (457mm)	18-1/8" (460mm)	4-3/4" (121mm)	1"-8	--	--
W6340	20" (508mm)	20-1/8" (511mm)			--	--
W6342	24" (610mm)	24-1/8" (613mm)			--	--
W6344	30" (762mm)	30-1/8" (765mm)			--	--

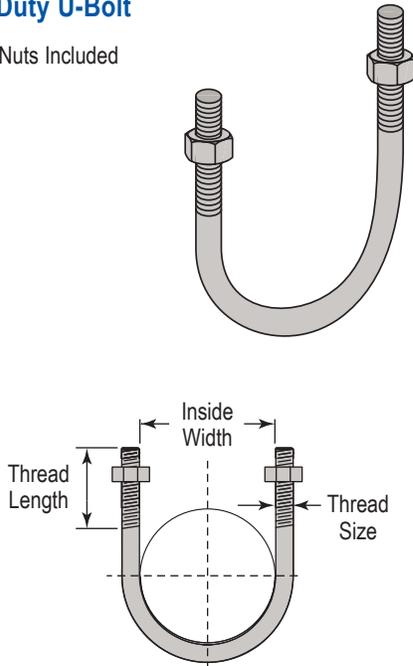
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Light Duty U-Bolt

2 - Hex Nuts Included

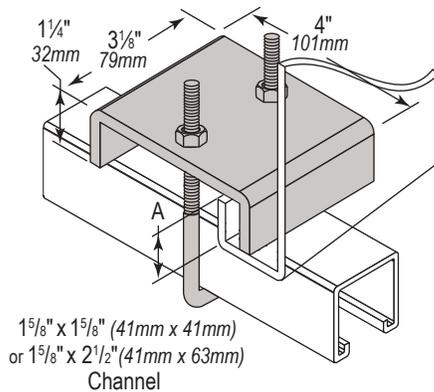


SPECIFYING Brand & Part No.	Nominal Pipe Size	C	Thread Length	Thread Size	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
WESANCO W6704	1/2" (13mm)	15/16" (24mm)	1-3/4" (45mm)	15/16"-18	--	--
W6706	3/4" (19mm)	1-1/8" (29mm)			--	--
W6708	1" (25mm)	1-3/8" (35mm)			--	--
W6710	1-1/4" (32mm)	1-21/32" (44mm)			--	--
W6712	1-1/2" (38mm)	2" (51mm)	2-1/16" (52mm)	3/8"-16	--	--
W6714	2" (51mm)	2-7/16" (62mm)			--	--
W6716	2-1/2" (64mm)	2-15/16" (75mm)	2" (51mm)	3/8"-16	--	--
W6718	3" (76mm)	3-9/16" (91mm)			--	--
W6720	3-1/2" (89mm)	4-3/32" (104mm)	2-1/4" (57mm)	1/2"-13	--	--
W6722	4" (102mm)	4-19/32" (117mm)			--	--
W6724	5" (127mm)	5-21/32" (144mm)	2-5/8" (67mm)	5/8"-11	--	--
W6726	6" (152mm)	6-3/4" (171mm)			--	--
W6728	8" (203mm)	8-3/4" (222mm)	--	--	--	--

## One Piece Purlin Beam Clamp

For 1 3/16" & 1-5/8" channel

One piece purlin clamp set:  
Includes U-bolt and hex nut

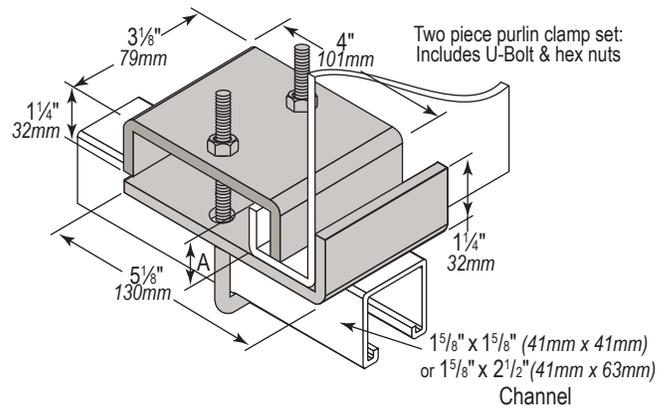


SPECIFYING Brand & Part No.	Maximum Purlin Lip Height "A"	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
WESANCO W5710	1" (25mm)	VX9007	--

## Two Piece Purlin Beam Clamp

For 1 3/16" & 1-5/8" channel

Two piece purlin clamp set:  
Includes U-bolt and hex nut



SPECIFYING Brand & Part No.	Maximum Purlin Lip Height "A"	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
WESANCO W5711	1" (25mm)	VX9008	--

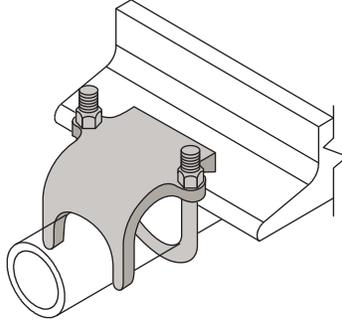
Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Standard Finish: Electro Galvanized (EG)

## Right Angle Clamps

Standard finish: Hot Dip Galv.

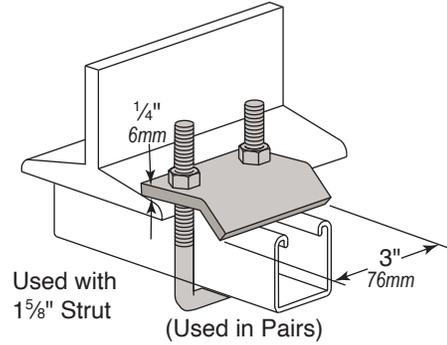


SPECIFYING Brand & Part No.		DISCONTINUED Brands & Part No.	
WESANCO	Pipe Size	VERSABAR	FLORIDA STRUT
		RTA037	3/8" (DN10)
RTA050	1/2" (DN15)	VX2050 *	RA0050
RTA075	3/4" (DN20)	VX2075 *	RA0075
RTA100	1" (DN25)	VX2100 *	RA0100
RTA125	1-1/4" (DN32)	VX2125 *	RA0125
RTA150	1-1/2" (DN40)	VX2150 *	RA0150
RTA200	2" (DN50)	VX2200 *	RA0200
RTA250	2-1/2" (DN65)	VX2250 *	RA0250
RTA300	3" (DN80)	VX2300 *	RA0300
RTA350	3-1/2" (DN90)	VX2350 *	RA0350
RTA400	4" (DN100)	VX2400 *	RA0400

\* Available in stainless steel type 316. Add suffix "-SS316" to part no.

## Strut to Beam Clamps with Square U-Bolt

For 1-3/16" & 1-5/8" Channel

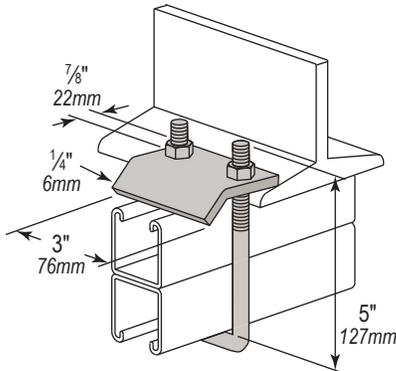


SPECIFYING Brand & Part No.		Allowable Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
WESANCO	W5709		VERSABAR	FLORIDA STRUT
				1,200 (5.34 kN)

Load capacity when used in pairs

## Strut to Beam Clamps with Square U-Bolt

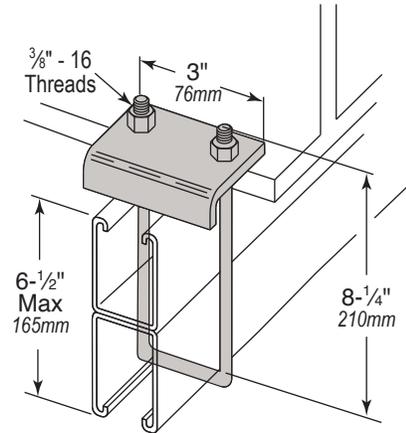
For 2-7/16" & 3-1/4" Channel



SPECIFYING Brand & Part No.		Allowable Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
WESANCO	W5708		VERSABAR	FLORIDA STRUT
				1,200 (5.34 kN)

Load capacity when used in pairs

## "U" Bolt Beam Clamps (Long) for 6-1/2" maximum



SPECIFYING Brand & Part No.		Allowable Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
WESANCO	W5770		VERSABAR	FLORIDA STRUT
				1,200 (5.34 kN)

Load capacity when used in pairs

Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



# Beam Clamps

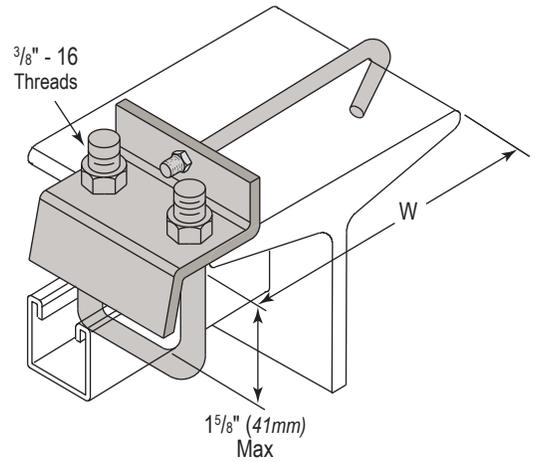


Standard Finish: Electro Galvanized (EG)

## Strut to Beam Clamps with Square U-Bolt and J-Hook

For  $1\frac{3}{16}$ " &  $1\frac{5}{8}$ " channel

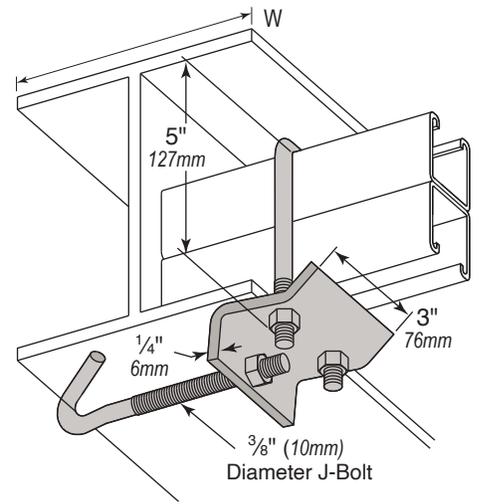
SPECIFYING Brand & Part No.	For Flange Width "W"	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W5771-6</b>	4" thru- 6" (102 thru 152mm)	VX7041A4	BC620600
<b>W5771-9</b>	6" thru 9" (152 thru 229mm)	VX7041A6	BC620900
<b>W5771-12</b>	9" thru 12" (229 thru 305mm)	VX7041A9	BC621200
<b>W5771-15</b>	12" thru 15" (305 thru 378mm)	VX7041A12	--
<b>W5771-18</b>	15" thru 18" (378 thru 457mm)	--	--



## Strut to Beam Clamps with Square U-Bolt and J-Hook

For  $2\frac{7}{16}$ " &  $3\frac{1}{4}$ " channel  
 • 1" Max. Flange Thickness

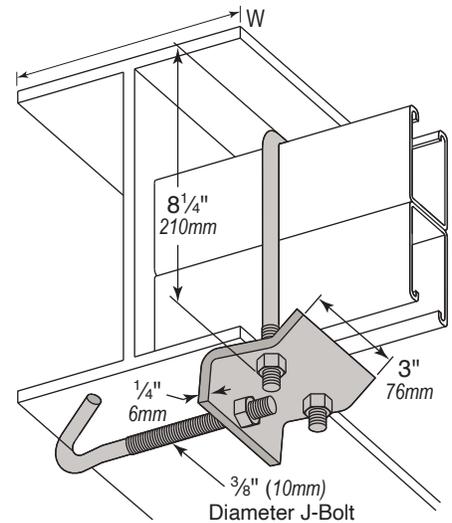
SPECIFYING Brand & Part No.	For Flange Width "W"	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W5761</b>	4" thru- 6" (102 thru 152mm)	VX7041B4	BC630600
<b>W5761-9</b>	6" thru 9" (152 thru 229mm)	VX7041B6	BC630900
<b>W5761-12</b>	9" thru 12" (229 thru 305mm)	VX7041B9	BC631200
<b>W5761-15</b>	12" thru 15" (305 thru 378mm)	VX7041B12	--
<b>W5761-18</b>	15" thru 18" (378 thru 457mm)	--	--



## Strut to Beam Clamps with Square U-Bolt and J-Hook

For Back to Back  $2\frac{1}{2}$ ",  $2\frac{7}{16}$ " &  $3\frac{1}{4}$ " channel  
 • 1" Max. Flange Thickness

SPECIFYING Brand & Part No.	For Flange Width "W"	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>W5772-6</b>	4" thru- 6" (102 thru 152mm)	--	BC690600
<b>W5772-9</b>	6" thru 9" (152 thru 229mm)	--	BC690900
<b>W5772-12</b>	9" thru 12" (229 thru 305mm)	--	BC691200
<b>W5772-15</b>	12" thru 15" (305 thru 378mm)	VX7041C12	--
<b>W5772-18</b>	15" thru 18" (378 thru 457mm)	--	--



Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

Rooftop Supports

Fiberglass System

Technical Data

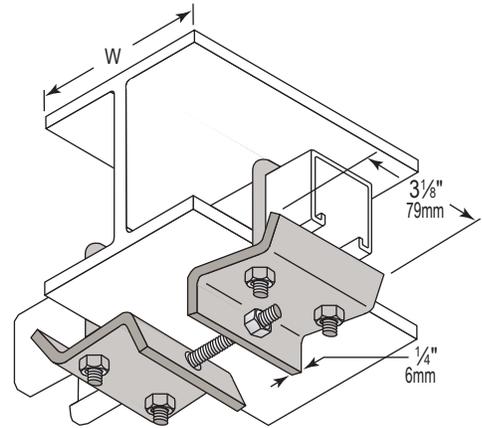
Standard Finish: Electro Galvanized (EG)

## Strut to Beam Clamps with Two Square U-Bolts

For channel up to 1-5/8" Deep

Square U-bolts, rod and hex nuts included

SPECIFYING Brand & Part No.	Rod Length	For Flange Width "W"	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W5773-6</b>	4" (102mm)	4" thru 6" (102 thru 152mm)	VX7045A4	--
<b>W5773-9</b>	6" (152mm)	6" thru 9" (152 thru 229mm)	VX7045A6	--
<b>W5773-12</b>	9" (229mm)	9" thru 12" (229 thru 305mm)	VX7045A9	--
<b>W5773-15</b>	12" (305mm)	12" thru 15" (305 thru 378mm)	VX7045A12	--

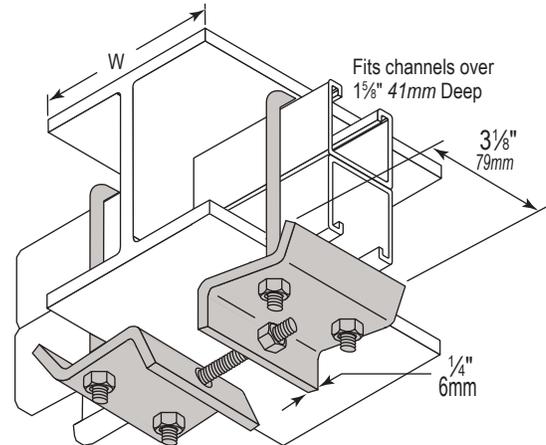


## Strut to Beam Clamps with Two Square U-Bolts

For channel over 1-5/8" Deep

Square U-bolts, rod and hex nuts included

SPECIFYING Brand & Part No.	Rod Length	For Flange Width "W"	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W5774-6</b>	4" (102mm)	4" thru 6" (102 thru 152mm)	VX7045B4	--
<b>W5774-9</b>	6" (152mm)	6" thru 9" (152 thru 229mm)	VX7045B6	--
<b>W5774-12</b>	9" (229mm)	9" thru 12" (229 thru 305mm)	VX7045B9	--
<b>W5774-15</b>	12" (305mm)	12" thru 15" (305 thru 378mm)	VX7045B12	--

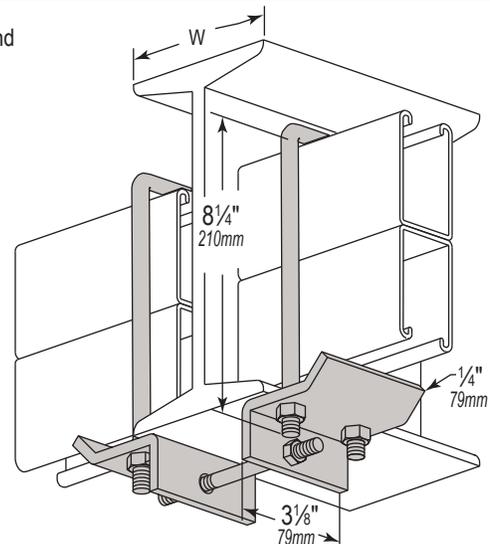


## Strut to Beam Clamps with Two Square U-Bolts

For channel over 6-1/4" Deep

Square U-bolts, rod and hex nuts included

SPECIFYING Brand & Part No.	Rod Length	For Flange Width "W"	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W5777-4</b>	4" (102mm)	4" thru 6" (102 thru 152mm)	VX7045C4	--
<b>W5777-6</b>	6" (152mm)	6" thru 9" (152 thru 229mm)	VX7045C6	--
<b>W5777-9</b>	9" (229mm)	9" thru 12" (229 thru 305mm)	VX7045C9	--
<b>W5777-12</b>	12" (305mm)	12" thru 15" (305 thru 378mm)	VX7045C12	--
<b>W5777-15</b>	12" (305mm)	15" thru 18" (378 thru 457mm)	VX7045C15	--



Opposing style clamps uniform loads are based on being used in pairs, installed against the flanges of the beam. It is recommended that the beam be dimpled at set screw contact location.

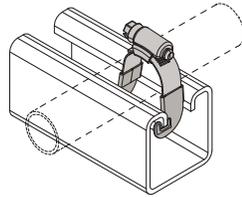


# Pipe, Tube, & Conduit Supports WESANCO

## Pipe Clamps, Cushioned & Insulated Clamps & Support Saddles

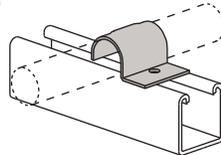
### Strut Clamps

Pages 140 - 143



### Tubing Clamps & Hangers

Pages 144 - 145



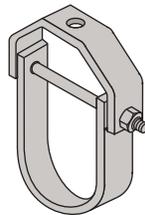
### Cush-A-Rings

Pages 146 - 147



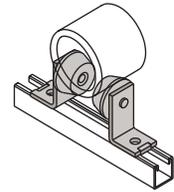
### Riser Clamps & Pipe Hangers

Pages 148 - 150



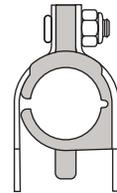
### Pipe Rollers

Pages 151 - 152



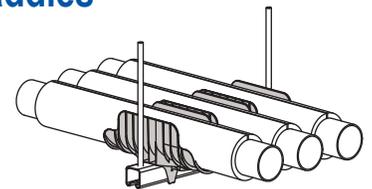
### Cushioned Clamps

Pages 153 - 180



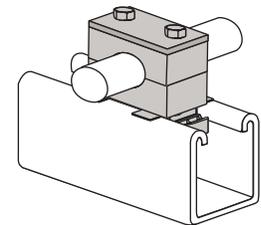
### Pipe Insulation Saddles

Pages 181 - 194



### Beta Clamps

Pages 195 - 196



Pipe Clamp Specifications		
Material	ASTM	ASTM Description
Hot Rolled Plate	A 575	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting (Steel)	A 366	Steel carbon, cold rolled sheet, commercial quality structural steel.
	A 366	
	A 36	
Strip Steel: Pipe Clamps	A 569	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Stainless Steel:	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	
Aluminum:	B 221	Aluminum alloy extruded bar, rod, wire, shape and tube.

Pipe Clamp Finish Specifications	
Finish	Description
Paint-Green Powder Coating	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications. ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications. Plain, or Gold (Yellow Zinc Dichromate)

See page 23 for Material or Finish ordering codes for part numbers.

Standard Material: Stainless Steel

## Strut Serpent®

### The Simplicity of the Strut Serpent!

#### Worm Gear Strut Clamp

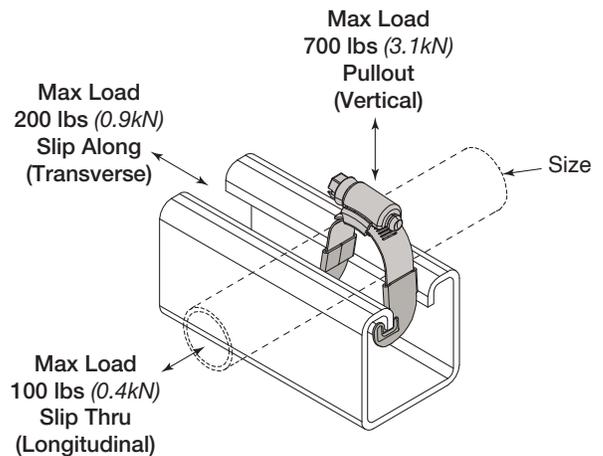


U.S. Patent No.  
11,473,700



- Perfect for Trapeze Applications
- A significant reduction of 60% in labor costs to install.
- Worm Gear fastening method that ensures the proper torque-tension
- Directly Installs to Any Industry Standard Strut Profile.
- Electrical and Mechanical Applications
- Very Clean Appearance After the Assembly is Complete.
- Easy Relocation of Conduit, Pipe, or Tube Prior to Final Alignment.
- Secure the Conduit, Pipe, or Tube Above and/or Below the Strut

Part Number	Size	Outside Diameter	Conduit	Stainless Steel
SSEMT050	½" (13mm)	0.706 (18mm)	Electrical Metallic Tubing (EMT)	Type 301
SSEMT075	¾" (19mm)	0.922 (23mm)		
SSEMT100	1" (25mm)	1.163 (30mm)		
SSEMT125	1-¼" (32mm)	1.510 (38mm)		
SSEMT150	1-½" (38mm)	1.740 (44mm)		
SSEMT200	2" (51mm)	2.197 (56mm)		
SSGRC050	½" (13mm)	0.840 (21mm)	Galvanized Rigid Steel Conduit (GRC)	Type 301
SSGRC075	¾" (19mm)	1.050 (27mm)		
SSGRC100	1" (25mm)	1.315 (33mm)		
SSGRC125	1-¼" (32mm)	1.660 (42mm)		
SSGRC150	1-½" (38mm)	1.900 (48mm)		
SSGRC200	2" (51mm)	2.375 (60mm)		



### Strut Serpent® – New Installations

**Step 1: Place Strut Serpent over pipe and into channel**



**Step 2: Hook Teeth onto channel In-turned edges and Tighten with a wrench**



**Step 3: Completed. Simple!**

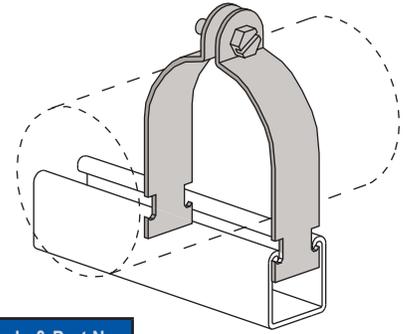


# Strut Clamps



Standard Finish: Electro Galvanized (EG)

## EMT Strut Clamp

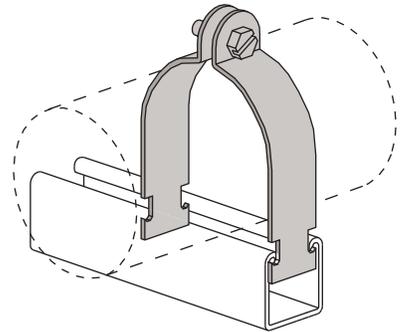


SPECIFYING Brand & Part No.	EMT Size	O.D. Size	Gauge	Allowable Load Lbs. (kN) (ea.)	Slotted Indented Hex Cap Screw	DISCONTINUED Brands & Part No.	
						VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6025A	3/8" (10mm)	0.577"	16	400 (1.78 kN)	1/4" x 3/4"	VPT1037	SCE0037
W6026A	1/2" (13mm)	0.706"			1/4" x 3/4"	VPT1050	SCE0050
W6028A	3/4" (19mm)	0.922"			1/4" x 3/4"	VPT1075	SCE0075
W6030A	1" (25mm)	1.163"	14	600 (2.67 kN)	1/4" x 3/4"	VPT1100	SCE0100
W6032A	1-1/4" (32mm)	1.510"			1/4" x 3/4"	VPT1125	SCE0125
W6034A	1-1/2" (38mm)	1.740"	12	800 (3.56 kN)	5/16" x 1"	VPT1150	SCE0150
W6038A	2" (51mm)	2.197"			5/16" x 1"	VPT1200	SCE0200

Each clamp consists of two halves, one kept nut and one slotted hex head cap screw.

Aluminum clamps (AL) are supplied with stainless steel hardware

## Rigid Strut Clamp



SPECIFYING Brand & Part No.	Pipe Size	O.D. Size	Gauge	Allowable Load Lbs. (kN) (ea.)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6125A	3/8" (10mm)	0.675"	16	400 (1.78 kN)	VP1037	SCR0037
W6126A	1/2" (13mm)	0.840"			VP1050	SCR0050
W6128A	3/4" (19mm)	1.050"			VP1075	SCR0075
W6130A	1" (25mm)	1.315"	14	600 (2.67 kN)	VP1100	SCR0100
W6132A	1-1/4" (32mm)	1.660"			VP1125	SCR0125
W6134A	1-1/2" (38mm)	1.900"	12	800 (3.56 kN)	VP1150	SCR0150
W6138A	2" (51mm)	2.375"			VP1200	SCR0200
W6142A	2-1/2" (64mm)	2.875"			VP9250	SCR0250
W6146A	3" (76mm)	3.500"	11	1,000 (4.45 kN)	VP9300	SCR0300
W6150A	3-1/2" (89mm)	4.000"			VP9350	SCR0350
W6154A	4" (102mm)	4.500"			VP9400	SCR0400
W620500A	4-1/2" (114mm)	5.000"	10	1,000 (4.45 kN)	VP1450	--
W6162A	5" (127mm)	5.563"			VP1500	SCR0500
W6170A	6" (152mm)	6.625"			VP1600	SCR0600
W6174A	8" (203mm)	8.625"			VP1800	SCR0800
W6176A	10" (254mm)	10.750"			VP10000	SCR1000
W6178A	12" (305mm)	12.750"	VP12000	SCR1200		

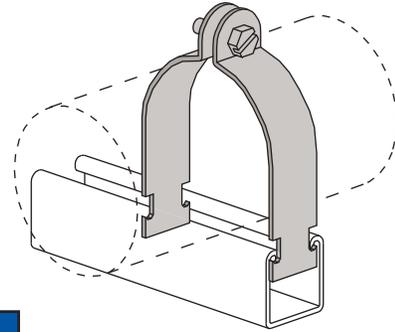
Each clamp consists of two halves one kept nut and one slotted hex head cap screw.

Aluminum clamps (AL) are supplied with stainless steel hardware



Standard Finish: Electro Galvanized (EG)

## O.D. Strut Clamp



O.D. Size Range	Allowable Load (ea.)	Slotted Indented Hex Screw
1/4" (6mm) - 7/8" (22mm)	400 (1.78 kN)	1/4" x 3/4"
1" (25mm) - 1-5/8" (41mm)	600 (2.67 kN)	1/4" x 3/4"
1-3/4" (44mm) - 3-5/8" (92mm)	800 (3.56 kN)	5/16" x 1"
3-3/4" (95mm) - 12-3/4" (324mm)	1,000 (4.45 kN)	3/8" x 1-1/4"

SPECIFYING Brand & Part No.	O.D. Size	Gauge	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W620025A	1/4" (6mm)	16	VT1025	SCO0025
W620037A	3/8" (10mm)		VT1037	SCO0037
W620050A	1/2" (13mm)		VT1050	SCO0050
W620062A	5/8" (16mm)		VT1062	SCO0062
W620075A	3/4" (19mm)		VT1075	SCO0075
W620087A	7/8" (22mm)		VT1087	SCO0087
W620100A	1" (25mm)		VT1100	SCO0100
W620112A	1-1/8" (29mm)	14	VT1112	SCO0112
W620125A	1-1/4" (32mm)		VT1125	SCO0125
W620137A	1-3/8" (35mm)		VT1137	SCO0137
W620150A	1-1/2" (38mm)		VT1150	SCO0150
W620162A	1-5/8" (41mm)		VT1162	SCO0162
W6034A	1-3/4" (44mm)		VT1175	SCO0175
W620187A	1-7/8" (48mm)		VT1187	SCO0187
W620200A	2" (51mm)	12	VT1200	SCO0200
W620212A	2-1/8" (54mm)		VT1212	SCO0212
W620225A	2-1/4" (57mm)		VT1225	SCO0225
W6138A	2-3/8" (60mm)		VT1237	SCO0237
W620250A	2-1/2" (64mm)		VT1250	SCO0250
W620262A	2-5/8" (67mm)		VT1262	SCO0262
W620275A	2-3/4" (70mm)		VT1275	SCO0275
W6142A	2-7/8" (73mm)		VT1287	SCO0287
W620300A	3" (76mm)		VT1300	SCO0300
W620312A	3-1/8" (79mm)		VT1312	SCO0312
W620325A	3-1/4" (83mm)	11	VT1325	SCO0325
W620337A	3-3/8" (86mm)		VT1337	SCO0337
W6146A	3-1/2" (89mm)		VT1350	SCO0350
W620362A	3-5/8" (92mm)		VT1362	SCO0362
W620375A	3-3/4" (95mm)		VT1375	SCO0375
W620387A	3-7/8" (98mm)		VT1387	SCO0387
W6150A	4" (102mm)		VT1400	SCO0400
W620412A	4-1/8" (105mm)		VT1412	SCO0412
W620425A	4-1/4" (108mm)		VT1425	SCO0425
W620437A	4-3/8" (111mm)		VT1437	SCO0437
W6154A	4-1/2" (114mm)	11	VT1450	SCO0450
W620462A	4-5/8" (118mm)		VT1462	SCO0462
W620475A	4-3/4" (121mm)		VT1475	SCO0475
W620487A	4-7/8" (124mm)		VT1487	SCO0487

SPECIFYING Brand & Part No.	O.D. Size	Gauge	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W620500A	5" (127mm)	11	VT1500	SCO0500
W620512A	5-1/8" (130mm)		VT1512	SCO0512
W620525A	5-1/4" (133mm)		VT1525	SCO0525
W620537A	5-3/8" (137mm)		VT1537	SCO0537
W620550A	5-1/2" (140mm)		VT1550	SCO0550
W620562A	5-5/8" (143mm)		VT1562	SCO0562
W620575A	5-3/4" (146mm)		VT1575	SCO0575
W620587A	5-7/8" (149mm)		VT1587	SCO0587
W620600A	6" (152mm)		VT1600	SCO0600
W620612A	6-1/8" (156mm)		VT1612	SCO0612
W620625A	6-1/4" (159mm)	10	VT1625	SCO0625
W620637A	6-3/8" (162mm)		VT1637	SCO0637
W620650A	6-1/2" (165mm)		VT1650	SCO0650
W620662A	6-5/8" (168mm)		VT1662	SCO0662
W620675A	6-3/4" (172mm)		VT1675	SCO0675
W620687A	6-7/8" (175mm)		VT1687	SCO0687
W620700A	7" (178mm)		VT1700	SCO0700
W620712A	7-1/8" (181mm)		VT1712	SCO0712
W620725A	7-1/4" (184mm)		VT1725	SCO0725
W620737A	7-3/8" (187mm)		VT1737	SCO0737
W620750A	7-1/2" (191mm)	VT1750	SCO0750	
W620762A	7-5/8" (194mm)	VT1762	SCO0762	
W620775A	7-3/4" (197mm)	VT1775	SCO0775	
W620787A	7-7/8" (200mm)	VT1787	SCO0787	
W620800A	8" (203mm)	VT1800	SCO0800	
W620812A	8-1/8" (206mm)	VT1812	SCO0812	
W620825A	8-1/4" (210mm)	VT1825	SCO0825	
W620837A	8-3/8" (213mm)	VT1837	SCO0837	
W620850A	8-1/2" (216mm)	VT1850	SCO0850	
W620862A	8-5/8" (219mm)	VT1862	SCO0862	
W620887A	8-3/4" (222mm)	VT1887	SCO0875	
W621000A	10" (254mm)	VT10000	SCO1000	
W621075A	10-3/4" (273mm)	VT10075	SCO1075	
W621137A	11-3/8" (289mm)	VT11037	SCO1137	
W621200A	12" (305mm)	VT12000	SCO1200	
W621275A	12-3/4" (324mm)	VT12075	SCO1275	

Aluminum clamps (AL) are supplied with stainless steel hardware

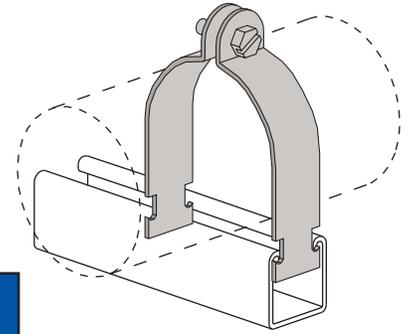


# Strut Clamps



Standard Finish: Electro Galvanized (EG)

## Universal Strut Clamp

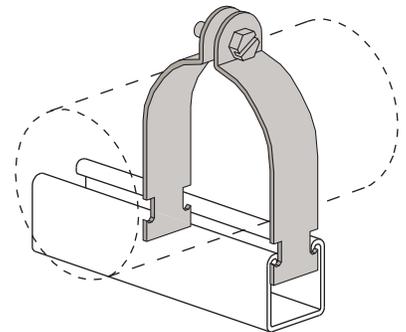


SPECIFYING Brand & Part No.	Nominal Size	O.D. Size	Gauge	Allowable Load Lbs. (kN) (ea.)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
W6056A	½" (13mm)	0.701 - 0.875 (18-22mm)	16	400 (1.78 kN)	VP9050	SCU0050
W6058A	¾" (19mm)	0.917 - 1.081 (23-27mm)	16		VP9075	SCU0075
W6060A	1" (25mm)	1.125 - 1.375 (28-35mm)	14	600 (2.67 kN)	VP9100	SCU0100
W6062A	1-¼" (32mm)	1.500 - 1.691 (38-43mm)			VP9125	SCU0125
W6064A	1-½" (38mm)	1.735 - 1.931 (44-49mm)	14	800 (3.56 kN)	VP9150	SCU0150
W6068A	2" (51mm)	2.192 - 2.400 (58-61mm)			VP9200	SCU0200
W6142A	2-½" (64mm)	2.875" (73mm)	12	800 (3.56 kN)	VP9250	--
W6146A	3" (76mm)	3.500" (89mm)			VP9300	--
W6150A	3-½" (89mm)	4.000" (102mm)	11	1,000 (4.45 kN)	VP9350	--
W6154A	4" (102mm)	4.500" (114mm)			VP9400	--

\* These clamps are designed to fit both pipe (rigid conduit) and thin walled tubing (EMT) in the corresponding sizes.

## Copper Tube Strut Clamp

Copper Colored Epoxy or Powder Coated Clamps



SPECIFYING Brand & Part No.	Nominal Size	O.D. Size	Gauge	Allowable Load Lbs. (kN) (ea.)	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
W620037ACP	¼" (6mm)	0.375	16	400 (1.78 kN)	VT1037CP	--
W620050ACP	⅜" (10mm)	0.500			VT1050CP	--
W620062ACP	½" (13mm)	0.625			VT1062CP	--
W620075ACP	⅝" (16mm)	0.750			VT1075CP	--
W620087ACP	¾" (19mm)	0.875			VT1087CP	--
W620112ACP	1" (25mm)	1.125	14	600 (2.67 kN)	VT1112CP	--
W620137ACP	1-¼" (32mm)	1.375			VT1137CP	--
W620162ACP	1-½" (38mm)	1.625			VT1162CP	--
W620212ACP	2" (51mm)	2.125	12	800 (3.56 kN)	VT1212CP	--
W620262ACP	2-½" (64mm)	2.625			VT1262CP	--
W620312ACP	3" (76mm)	3.125			VT1312CP	--
W620362ACP	3-½" (89mm)	3.625	11	1,000 (4.45 kN)	VT1362CP	--
W620412ACP	4" (102mm)	4.125			VT1412CP	--
W620512ACP	5" (127mm)	5.125			VT1512CP	--
W620612ACP	6" (152mm)	6.125			VT1612CP	--
W620812ACP	8" (203mm)	8.125			VT1812CP	--

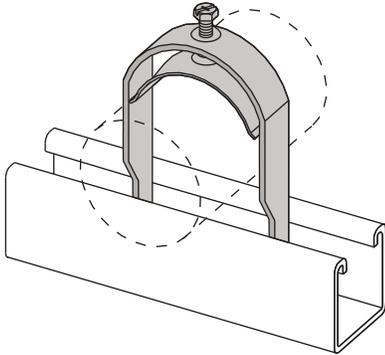
\* These clamps are designed to fit copper tube



Introduction  
Channel  
Channel Nuts & Hardware  
General Fittings  
Brackets  
Beam Clamps  
Pipe & Conduit Supports  
Electrical Fittings  
Spring Steel  
Concrete Inserts  
Roofing Supports  
Fiberglass System  
Technical Data

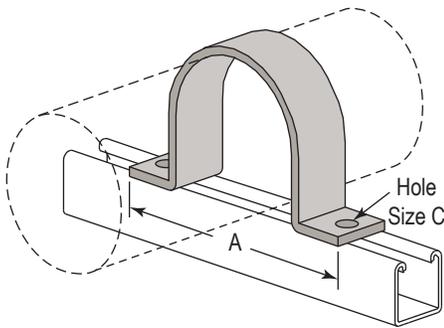
Standard Finish: Electro Galvanized (EG)

## Rigid Conduit One Piece Pipe Clamp



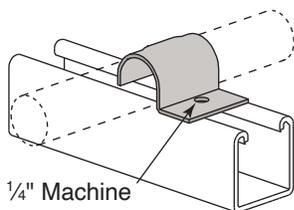
SPECIFYING Brand & Part No.	EMT Size	Rigid Conduit Size	Design Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
BMU050	1/2" (13mm)	--	200 (0.89 kN)	BMU050	SCH0050
BMU075	3/4" (19mm)	1/2" (13mm)		BMU075	SCH0075
BMU100	1" (25mm)	3/4" (19mm)	300 (1.33 kN)	BMU100	SCH0100
BMU125	1 1/4" (32mm)	1" (25mm)		BMU125	SCH0125
BMU150	1 1/2" (38mm)	1 1/4" (32mm)	400 (1.78 kN)	BMU150	SCH0150
BMU200	2" (51mm)	1 1/2" (38mm)		BMU200	SCH0200
BMU250	2 1/2" (64mm)	2 1/2" (64mm)		BMU250	SCH0250
BMU300	3" (76mm)	3" (76mm)		BMU300	SCH0300
BMU350	3 1/2" (89mm)	3 1/2" (89mm)		BMU350	SCH0350
BMU400	4" (102mm)	4" (102mm)		BMU400	SCH0400

## Pipe Strap



SPECIFYING Brand & Part No.	Pipe Size	"A" Length	"C" Hole Size	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W7826	1/2"	3" (76mm)	5/16" (7.9mm)	VP4050	PS20050
W7828	3/4"	3-1/4" (83mm)		VP4075	PS20075
W7830	1"	3-9/16" (90mm)		VP4100	PS20100
W7832	1-1/4"	3-13/16" (97mm)		VP4125	PS20125
W7834	1-1/2"	4-1/16" (103mm)		VP4150	PS20150
W7838	2"	5-13/16" (148mm)	7/16" (11.1mm)	VP4200	PS20200
W7842	2-1/2"	6-1/4" (159mm)		VP4250	PS20250
W7846	3"	7" (178mm)		VP4300	PS20300
W7850	3-1/2"	7-7/8" (200mm)		VP4350	PS20350
W7854	4"	8" (203mm)		VP4400	PS20400
W7862	5"	9-1/8" (232mm)		VP4500	PS20500
W7870	6"	10-5/16" (262mm)		VP4600	PS20600

## 1-Hole O.D. Tubing Clamp



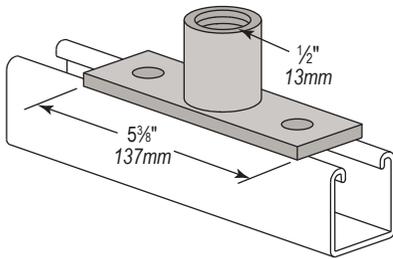
1/4" Machine Screw and Strut Nut Not Included

SPECIFYING Brand & Part No.	O.D. Tube Size	CL	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
W7724	1/4"	9/16" (14mm)	VT2025	TC10025
W7724A	5/16"	9/16" (14mm)	VT2031	TC10031
W7725	3/8"	5/8" (16mm)	VT2037	TC10037
W7726	1/2"	11/16" (17mm)	VT2050	TC10050
W7727	5/8"	3/4" (19mm)	VT2062	TC10062
W7728	3/4"	13/16" (21mm)	VT2075	TC10075
W7729	7/8"	7/8" (22mm)	VT2087	TC10087
W7730	1"	15/16" (24mm)	VT2100	TC10100



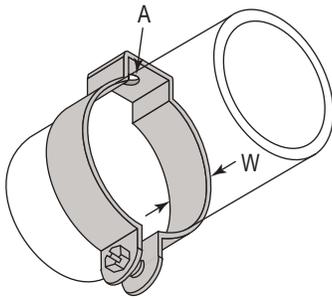
Standard Finish: Electro Galvanized (EG)

## Pipe Coupling Fitting



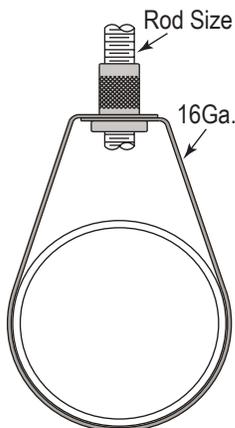
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
<b>W247050</b>	--	--

## Conduit Hangers



SPECIFYING Brand & Part No.	Pipe Size	Stock Gauge	Dim "A"	Dim "W"	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
<b>SHH050</b>	1/2" (13mm)	18 ga. (1.3mm)	9/32" (7.1mm)	3/4" (19mm)	VP13050	--
<b>SHH075</b>	3/4" (19mm)				VP13075	--
<b>SHH100</b>	1" (25mm)				VP13100	--
<b>SHH125</b>	1-1/4" (32mm)				VP13125	--
<b>SHH150</b>	1-1/2" (38mm)	16 ga. (1.3mm)	1 1/2" (8.7mm)	7/16" (11.1mm)	VP13150	--
<b>SHH200</b>	2" (51mm)				VP13200	--
<b>SHH250</b>	2-1/2" (64mm)				VP13250	--
<b>SHH300</b>	3" (76mm)				VP13300	--
<b>SHH350</b>	3-1/2" (89mm)				VP13350	--
<b>SHH400</b>	4" (102mm)				VP13400	--

## Loop Hangers



SPECIFYING Brand & Part No.	Pipe Size	Rod Size	Max Rec Load (Lbs.)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>BHK050</b>	1/2" (13mm)	3/8"	400 (1.78 kN)	VP7050	LH0050EG
<b>BHK075</b>	3/4" (19mm)			VP7075	LH0075EG
<b>BHK100</b>	1" (25mm)			VP7100	LH0100EG
<b>BHK125</b>	1-1/4" (32mm)			VP7125	LH0125EG
<b>BHK150</b>	1-1/2" (38mm)			VP7150	LH0150EG
<b>BHK200</b>	2" (51mm)		VP7200	LH0200EG	
<b>BHK250</b>	2-1/2" (64mm)		600 (2.67 kN)	VP7250	LH0250EG
<b>BHK300</b>	3" (76mm)		VP7300	LH0300EG	
<b>BHK400</b>	4" (102mm)		1,000 (4.45 kN)	VP7400	LH0400EG
<b>BHK500</b>	5" (127mm)		1/2"	1,250 (5.56 kN)	VP7500
<b>BHK600</b>	6" (152mm)	VP7600			LH0600EG
<b>BHK800</b>	8" (203mm)	VP7800			LH0800EG



Standard Finish: Electro Galvanized (EG)

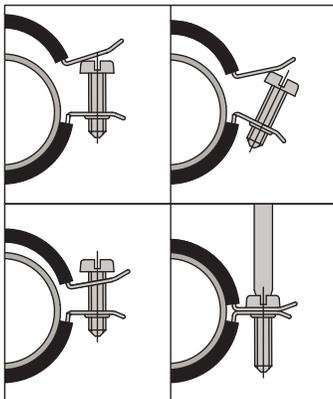
## SPH Cush-A-Ring Clamps

SPH Cush-A-Ring Clamp for Copper Tube or Steel Tube or Pipe

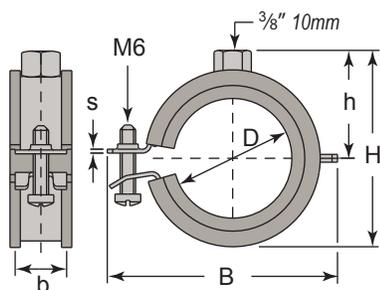


The **Cush-A-Ring** is a unique rubber lined hanger for copper and steel tube or pipe. The SPH-1 thru SPH-10 is a two-part clamp that has a hinged side with a single screw locking system. The quick locking system is easy to close with one hand, which makes it easier and faster for installation. The noise insulating rubber lining is made of UV-resistant EPDM rubber. The Cush-A-Ring is zinc plated for corrosion resistance.

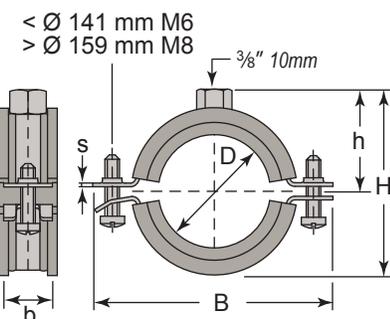
- Rubber lined, noise insulated, Lining resistant to aging
- With quick locking system
- Clamp easy to close with one hand
- UV-resistant black EPDM rubber lining
- Zinc plated
- Plenum rated - tested to ASTM E-84
- Meets - Buy America Act
- Temperature range -58°F to +200°F (-50°C to 93°C)



SPH-1 thru SPH-10



SPH-11 thru SPH-14



Part No.	Dimensions (in)						
	D (mm)	IP	CT	B	H	h	b x s (mm)
SPH-1	11 – 14	1/4" (6mm)	3/8" (10mm)	1.9" (48mm)	1.4" (36mm)	0.87" (22mm)	20 x 1.25
SPH-2	15 – 18	3/8" (10mm)	1/2" (13mm)	1.9" (48mm)	1.4" (36mm)	0.87" (22mm)	
SPH-3	20 – 23	1/2" (13mm)	3/4" (19mm)	2.2" (56mm)	1.6" (41mm)	0.94" (24mm)	
SPH-4	25 – 28	3/4" (19mm)	1" (25mm)	2.4" (61mm)	1.8" (46mm)	1.10" (28mm)	
SPH-5	31 – 35	1" (25mm)	1-1/4" (32mm)	2.6" (66mm)	2.0" (51mm)	1.20" (30mm)	
SPH-6	40 – 43	1-1/4" (32mm)	1-1/2" (38mm)	3.0" (76mm)	2.4" (61mm)	1.30" (33mm)	
SPH-7	48 – 53	1-1/2" (38mm)	-	3.3" (84mm)	2.6" (66mm)	1.50" (38mm)	
SPH-8	54 – 56	-	2" (51mm)	3.5" (89mm)	2.8" (71mm)	1.60" (41mm)	
SPH-9	57 – 63	2" (51mm)	-	3.7" (94mm)	3.1" (79mm)	1.70" (43mm)	
SPH-10	64-70	-	2-1/2" (64mm)	4.5" (114mm)	3.9" (99mm)	2.20" (56mm)	
<b>Below parts have 2 bolt configurations</b>							
SPH-11	73-80	2-1/2" (64 mm)	3" (76 mm)	5.0" (127 mm)	4.3" (109 mm)	2.40" (61 mm)	23 x 2.00
SPH-12	83-91	3" (76 mm)	-	5.4" (137 mm)	4.8" (122 mm)	2.60" (66 mm)	25 x 2.50
SPH-13	100- 105	-	4" (102 mm)	6.0" (152 mm)	5.3" (135 mm)	2.90" (74 mm)	
SPH-14	108-114	4" (102 mm)	-	6.3" (160 mm)	5.7" (145 mm)	3.10" (79 mm)	



Standard Finish: Electro Galvanized (EG)

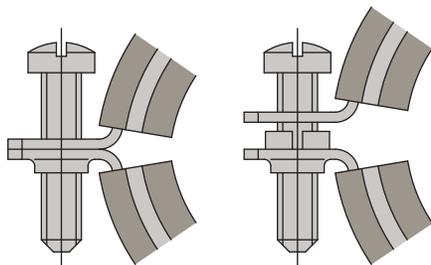
## SPP Cush-A-Ring Clamps

SPP Cush-A-Ring Clamp for PEX, CPVC, or PVC Pipe

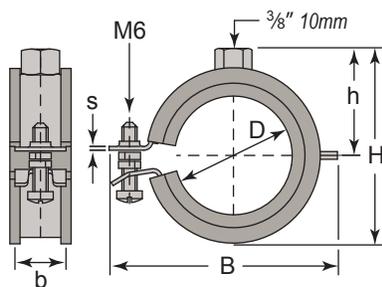


The **Cush-A-Ring** is a unique rubber lined hanger for PEX, CPVC, and PVC pipe. The SPP-1 thru SPP-10 has a two-part clamp with a hinged side and a single screw locking system. The quick locking system is easy to close with one hand, which makes it easier and faster for installation. The noise insulating rubber lining is made of UV-resistant EPDM rubber. The Cush-A-Ring is zinc plated for corrosion resistance.

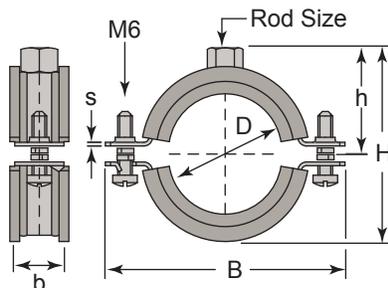
- With quick locking system
- Clamp easy to close with one hand
- Specially formulated, green, UV, and age resistant EPDM rubber lining
- Perfect for PEX, Fusion, CPVC, and PVC pipe
- ASTM E-84
- Complies with MSS SP-58 and SP-69
- Material steel, zinc plated



SPP-2 thru SPP-10



SPP-11 thru SPP-14



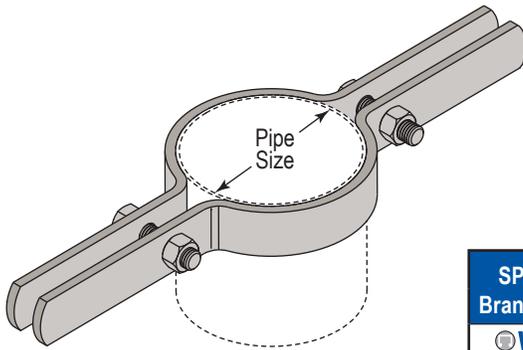
Part No.	Dimensions (in)						Rod Size
	D	IP	CT	B	H	h	
SPP-2	15 – 18	3/8" (10mm)	1/2" (13mm)	1.9" (48mm)	1.4" (36mm)	0.87" (22mm)	3/8" (10mm)
SPP-3	20 – 23	1/2" (13mm)	3/4" (19mm)	2.2" (56mm)	1.7" (43mm)	0.94" (24mm)	
SPP-4	25 – 28	3/4" (19mm)	1" (25mm)	2.4" (61mm)	1.9" (48mm)	1.0" (25mm)	
SPP-5	31 – 35	1" (25mm)	1-1/4" (32mm)	2.6" (66mm)	2.2" (56mm)	1.2" (30mm)	
SPP-6	40 – 43	1-1/4" (32mm)	1-1/2" (38mm)	3.0" (76mm)	2.6" (66mm)	1.3" (33mm)	
SPP-7	48 – 53	1-1/2" (38mm)	-	3.3" (84mm)	3.0" (76mm)	1.5" (38mm)	
SPP-8	54 – 56	-	2" (51mm)	3.5" (89mm)	3.0" (76mm)	1.6" (41mm)	
SPP-9	60 – 65	2" (51mm)	-	4.3" (109mm)	3.4" (86mm)	1.7" (43mm)	
SPP-10	70 – 76	2-1/2" (64mm)	-	4.9" (124mm)	4.1" (104mm)	2.2" (56mm)	
<b>Below parts have 2 bolt configurations</b>							
SPP-11	86 – 91	3" (76mm)	-	5.4" (137mm)	4.6" (117mm)	2.4" (61mm)	3/8" (10mm)
SPP-12	110 – 114	4" (102mm)	-	6.3" (160mm)	5.8" (147mm)	2.9" (74mm)	
SPP-13	124 – 132	-	-	6.8" (173mm)	5.9" (150mm)	3.1" (79mm)	1/2" (13mm)
SPP-14	155 – 160	-	-	8.0" (203mm)	7.4" (188mm)	3.9" (99mm)	



Introduction  
Channel  
Channel Nuts & Hardware  
General Fittings  
Brackets  
Beam Clamps  
Pipe & Conduit Supports  
Electrical Fittings  
Spring Steel  
Concrete Inserts  
Roofing Supports  
Fiberglass System  
Technical Data

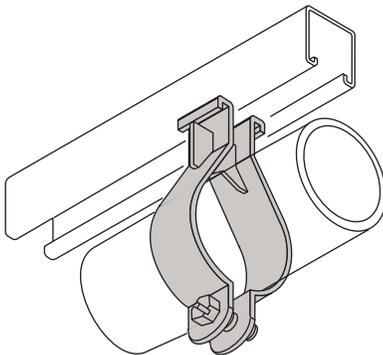
Standard Finish: Electro Galvanized (EG)

## Pipe Riser Clamps



SPECIFYING Brand & Part No.	Pipe Size	Max Rec Load (Lbs.)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
RCL050	½" (13mm)	220 (0.98 kN)	VP8050	--
RCL075	¾" (19mm)		VP8075	--
RCL100	1" (25mm)	255 (1.13 kN)	VP8100	RC0100
RCL125	1-¼" (32mm)		VP8125	RC0125
RCL150	1-½" (38mm)		VP8150	RC0150
RCL200	2" (51mm)		VP8200	RC0200
RCL250	2-½" (64mm)	390 (1.74 kN)	VP8250	RC0250
RCL300	3" (76mm)	530 (2.36 kN)	VP8300	RC0300
RCL350	3-½" (89mm)	600 (2.67 kN)	VP8350	--
RCL400	4" (102mm)	810 (3.60 kN)	VP8400	RC0400
RCL500	5" (127mm)	1,500 (6.67 kN)	VP8500	--
RCL600	6" (152mm)	1,570 (6.98 kN)	VP8600	RC0600
RCL800	8" (203mm)	2,500 (11.12 kN)	VP8800	RC0800

## Parallel Pipe Clamps



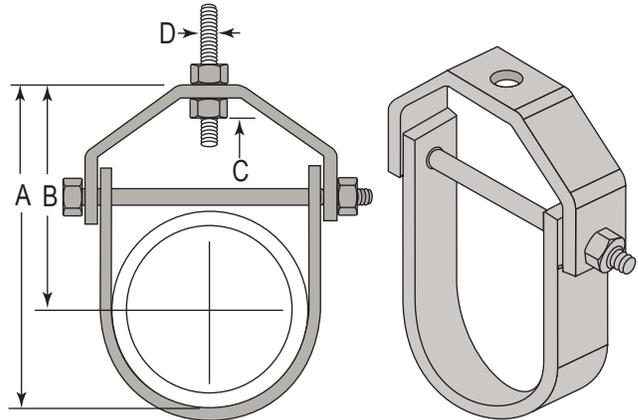
SPECIFYING Brand & Part No.	Pipe Size	Actual O.D.	Design Load (Lbs.)	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
W6005	⅜" (10mm)	0.675" (17.1mm)	300 (1.35 kN)	VP6037	--
W6006	½" (13mm)	0.840" (21.3mm)		VP6050	--
W6007	¾" (19mm)	1.050" (26.7mm)		VP6075	--
W6008	1" (25mm)	1.315" (33.4mm)	400 (1.80 kN)	VP6100	--
W6009	1-¼" (32mm)	1.660" (42.2mm)		VP6125	--
W6010	1-½" (38mm)	1.900" (48.3mm)	500 (2.25 kN)	VP6150	--
W6011	2" (51mm)	2.375" (60.3mm)		VP6200	--
W6012	2-½" (64mm)	2.875" (73.0mm)		VP6250	--
W6013	3" (76mm)	3.500" (88.9mm)		VP6300	--
W6014	3-½" (89mm)	4.000" (101.6mm)		VP6350	--
W6015	4" (102mm)	4.500" (114.3mm)	VP6400	--	



Standard Finish: Electro Galvanized (EG)

## Standard Adjustable Clevis Hangers

For: Non-Insulated, stationary pipe lines. General piping, heating and sprinkler installations. \* Also available: Stainless, Hot-Dipped, and Black H.R.P.O., (Larger sizes for up to 30" rigid pipe can be supplied)



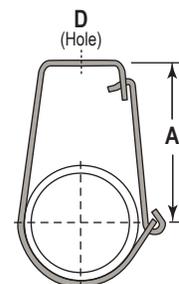
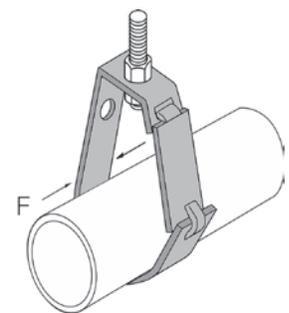
SPECIFYING Brand & Part No.	Pipe Size	A	B	C	Rod Size D	Design Load (Lbs.)	DISCONTINUED Brands & Part No.	
							VERSABAR	FLORIDA STRUT
<b>WESANCO</b> SCH050	1/2" (13mm)	2-1/8" (54mm)	1-11/16" (43mm)	7/16" (11mm)	3/8" (10mm)	610 (2.71 kN)	VP2050	CH0050
SCH075	3/4" (19mm)	2-7/16" (62mm)	1-7/8" (48mm)	1/2" (13mm)			VP2075	CH0075
SCH100	1" (25mm)	2-13/16" (71mm)	2-1/8" (54mm)	5/8" (16mm)			VP2100	CH0100
SCH125	1-1/4" (32mm)	3-7/16" (87mm)	2-9/16" (65mm)	7/8" (22mm)			VP2125	CH0125
SCH150	1-1/2" (38mm)	4" (102mm)	3" (76mm)	1-1/16" (27mm)			VP2150	CH0150
SCH200	2" (51mm)	4-7/8" (124mm)	3-11/16" (94mm)	1-5/8" (41mm)			VP2200	CH0200
SCH250	2-1/2" (64mm)	6-1/8" (156mm)	4-11/16" (119mm)	2" (51mm)	1/2" (13mm)	1,130 (5.03 kN)	VP2250	CH0250
SCH300	3" (76mm)	6-9/16" (166mm)	4-3/4" (121mm)	1-3/4" (44mm)			VP2300	CH0300
SCH350	3-1/2" (89mm)	6-15/16" (176mm)	4-15/16" (125mm)	1-3/4" (44mm)			VP2350	--
SCH400	4" (102mm)	7-13/16" (199mm)	5-9/16" (142mm)	1-15/16" (49mm)	5/8" (16mm)	--	VP2400	CH0400
SCH500	5" (127mm)	9" (229mm)	6-3/16" (158mm)	1-3/4" (44mm)			VP2500	--
SCH600	6" (152mm)	10-1/8" (257mm)	6-13/16" (173mm)	1-7/8" (48mm)	3/4" (19mm)	--	VP2600	--
SCH800	8" (203mm)	12-5/8" (321mm)	8-5/16" (212mm)	2-1/8" (54mm)	7/8" (22mm)	--	VP2800	--

\*A & B Dimensions may vary

## Side Opening Hangers

Swing Hinge Design

Can be supported by rod or bolted directly to wall.  
Hanger is rigid enough to hold pipe prior to closure



SPECIFYING Brand & Part No.	Pipe Size	A	D	F	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W4050H	1/2" (13mm)	2-7/16" (62mm)	3/8" (10mm)	3/4" (19mm)	VP3050	--
W4075H	3/4" (19mm)	2-1/2" (64mm)			VP3075	--
W4100H	1" (25mm)	2-9/16" (65mm)			VP3100	--
W4125H	1-1/4" (32mm)	2-11/16" (68mm)			VP3125	--
W4150H	1-1/2" (38mm)	2-7/8" (73mm)			VP3150	--
W4200H	2" (51mm)	3-5/16" (84mm)			VP3200	--
W4250H	2-1/2" (64mm)	3-7/8" (98mm)	1/2" (13mm)	1-1/4" (32mm)	VP3250	--
W4300H	3" (76mm)	4-1/8" (105mm)			VP3300	--
W4350H	3-1/2" (89mm)	4-5/8" (117mm)			VP3350	--
W4400H	4" (102mm)	5" (127mm)			VP3400	--



Standard Finish: Electro Galvanized (EG)

## Adjustable J-Hanger

**Finish:** Electro Galvanized (standard) or Stainless Steel

**Size Range:** 1/2" thru 4" (13mm to 102mm) Pipe

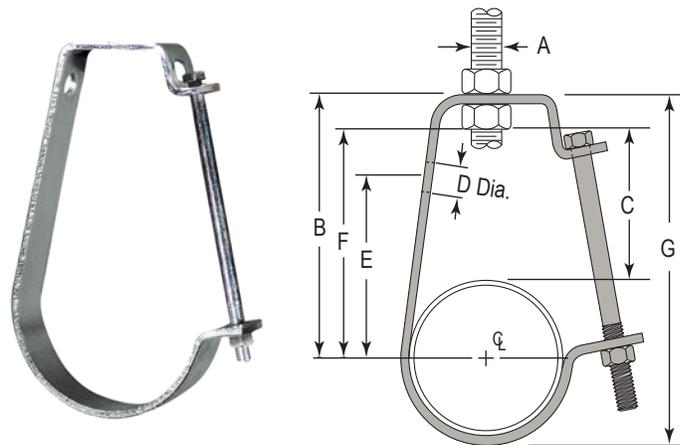
**Material:** Carbon Steel

**Function:** Can be suspended by hanger rod or attached to a wall. "T" slot in hanger permits side bolt to be installed after installation and setting of pipe.

**Approvals:** Conforms to Manufacturers Standardization Society SP-69, Type 5.

**Maximum Temperature:** 650° F (343°C)

**Finish:** Carbon Steel



SPECIFYING Brand & Part No.	Pipe Size	A Rod Size	B	C	D	E	F	Bolt Size	G	Stock Size	Max. Rec. Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
												VERSABAR	FLORIDA STRUT
<b>W4050</b>	1/2"	3/8"	2-5/8" (67 mm)	1-3/4" (44 mm)	7/16" (11 mm)	1-1/2" (38 mm)	1-15/16" (49 mm)	1/4"	3-5/32" (80 mm)	12 ga. x 3/4"	400 (1.78 kN)	VP3050	--
<b>W4075</b>	3/4"		2-7/8" (73 mm)	1-7/8" (48 mm)		1-11/16" (43 mm)	2-1/8" (54 mm)		3-1/2" (89 mm)			VP3075	--
<b>W4100</b>	1"		2-15/16" (75 mm)	1-15/16" (49 mm)		1-13/16" (46 mm)	2-5/16" (59 mm)		3-11/16" (94 mm)			VP3100	--
<b>W4125</b>	1-1/4"		3-1/4" (83 mm)	2" (51 mm)		2-1/16" (52 mm)	2-5/8" (67 mm)		4-1/8" (105 mm)			VP3125	--
<b>W4150</b>	1-1/2"		3-9/16" (90 mm)	2-3/16" (56 mm)		2-7/16" (62 mm)	2-7/8" (73 mm)		4-5/8" (117 mm)			VP3150	--
<b>W4200</b>	2"		3-11/16" (94 mm)	2-1/8" (54 mm)		2-9/16" (65 mm)	3-1/16" (78 mm)		5" (127 mm)			VP3200	--
<b>W4250</b>	2-1/2"	1/2"	4-7/16" (113 mm)	2-7/16" (62 mm)	9/16" (14 mm)	3-3/16" (81 mm)	3-5/8" (92 mm)	3/8"	6" (152 mm)	3/16" x 1-1/4"	500 (2.22 kN)	VP3250	--
<b>W4300</b>	3"		4-13/16" (122 mm)	2-9/16" (65 mm)		3-1/2" (89 mm)	4-1/16" (103 mm)		6-21/32" (169 mm)			VP3300	--
<b>W4350</b>	3-1/2"		5-1/8" (130 mm)	2-5/8" (67 mm)		3-3/4" (95 mm)	4-3/8" (111 mm)		7-5/16" (186 mm)			VP3350	--
<b>W4400</b>	4"		5/8"	6-1/8" (156 mm)		3-3/16" (81 mm)	4-5/8" (117 mm)		5-3/16" (132 mm)			8-9/16" (217 mm)	550 (2.45 kN)

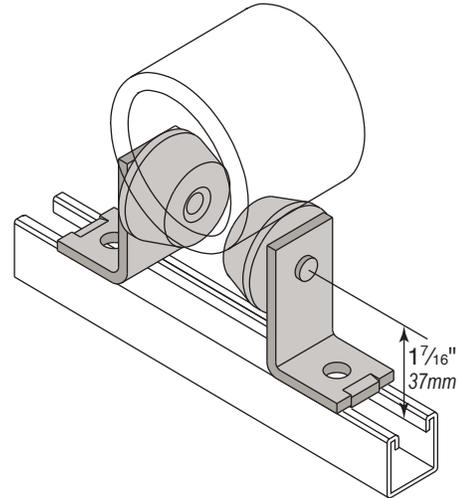


Standard Finish: Electro Galvanized (EG)

## Pipe Roller - No Axle

For 1" to 4" Pipe

Cast Aluminum rollers  
Steel portion has Electro-galvanized Finish

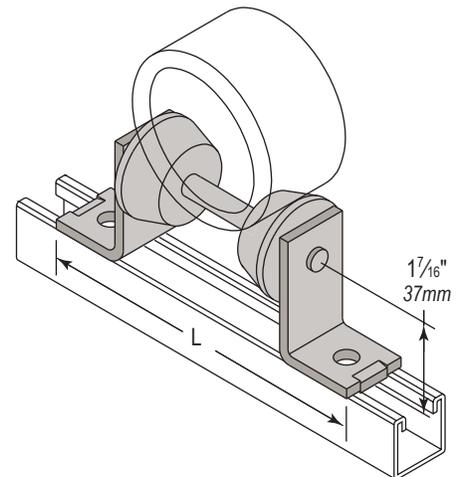


SPECIFYING Brand & Part No.	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>SPR14</b>	500 Lbs. (2.22 kN)	VPR	R20

## Pipe Roller - With Axle

For 1/2" to 10" Pipe

Cast Aluminum rollers  
Steel portion has Electro-galvanized Finish



SPECIFYING Brand & Part No.	Pipe Size	L	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>SPRA3</b>	1/2" - 3" (13mm - 76mm)	6-1/2" (165mm)	750 Lbs. (3.3 kN)	VPR1	--
<b>SPRA4</b>	3-1/2" - 4" (89mm - 102mm)	7" (178mm)		VPR2	R213740
<b>SPRA5</b>	5" (127mm)	7-1/2" (191mm)		VPR3	R214350
<b>SPRA6</b>	6" (152mm)	7-3/4" (197mm)		VPR4	R214360
<b>SPRA8</b>	8" (203mm)	9" (229mm)		VPR5	R216380
<b>SPRA10</b>	9" - 10" (229mm - 254mm)	--		--	R219010

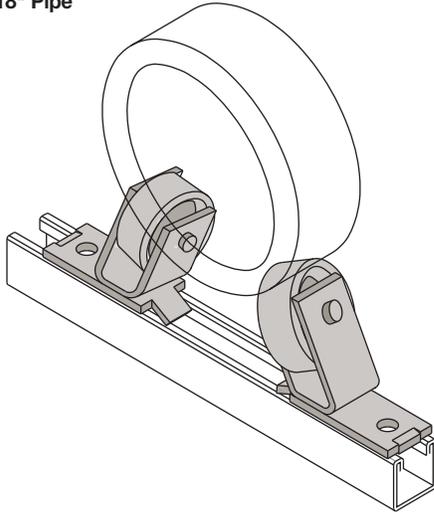
Pipe without insulation



Standard Finish: Electro Galvanized (EG)

## Pipe Roller - Heavy Duty

For 6" to 18" Pipe

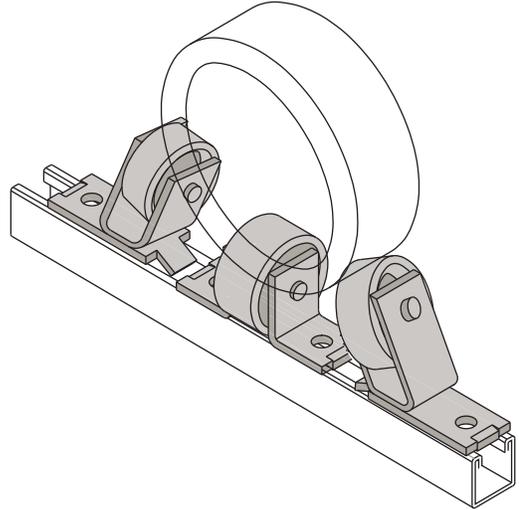


Cast Aluminum rollers  
Steel portion has Electro-galvanized Finish

SPECIFYING Brand & Part No.	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
 <b>WESANCO</b>			
<b>SPRHD18</b>	1,500 Lbs. (6.67 kN)	VPR2000	R22

## Pipe Roller - Heavy Duty

For 16" to 24" Pipe



Cast Aluminum rollers  
Steel portion has Electro-galvanized Finish

SPECIFYING Brand & Part No.	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
 <b>WESANCO</b>			
<b>SPRHD24</b>	2,000 Lbs. (8.90 kN)	VPR3000	R23



## Cush-A-Nator®



Cush-A-Nator  
Standard  
-50°F to 275°F

Cush-A-Nator  
High Temp  
-65°F to 340°F

Cush-A-Nator  
High Intensity Temp  
-65°F to 400°F

The Cush-A-Nator® cushion is manufactured in the United States and made from a new incredibly durable thermoplastic rubber that resists high heat and provides longer life against vibration fatigue. The Cush-A-Nator is made from a proprietary thermoplastic vulcanized material cross-linked with high performance rubber and thermoplastic elastomers, which produces the highest operating temperature range in the industry.



New Cush-A-Nator High Intensity Temp  
has a service temperature of  
-65°F to 400°F

The Cush-A-Nator® is designed to provide the user with a choice of the highest heat range resistance of any cushion on the market or simply the advanced features of a superior design.

*The Cush-A-Nator is designed and manufactured in Michigan.*



### Features

#### A Thumb Drive

The Cush-A-Nator has the exclusive "Thumb Drive" that provides the installer a gripping point to easily open the cushion with the help of leverage tabs and a living hinge. Easy and effortlessly to install.

#### B Self-Alignment

Cushion can be opened and placed over the pipe or tube and rotated into place while on the channel and automatically aligned with the channel opening ready for clamping.

#### C Pressure Control

The Cush-A-Nator cushion has a built in squeeze control as part of the cushion design. The side opening and the squeeze control tab provides evenly distributed pressure around the tube or pipe.

#### D Complete Clamping Unit

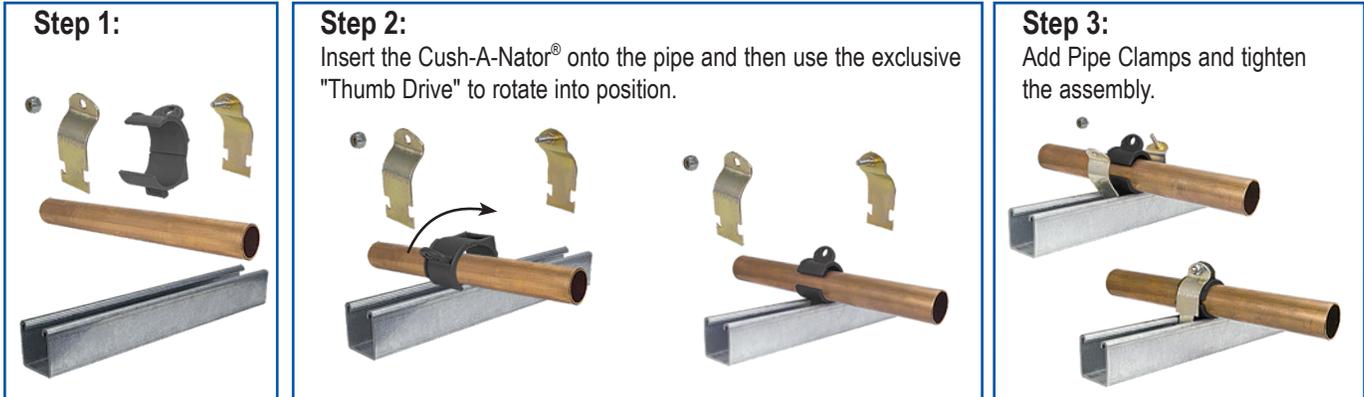
The Cush-A-Nator is the only strut mounted cushion that is mechanically connected to the supporting steel clamp because the bolt passes through the squeeze control tab forming the single unit connection. This design helps prevent the cushion from excess vibration by being attached directly to the clamp.

Cush-A-Nator® is manufactured under U.S. patents #9074715, #D702113, #D710190, and European Community patents #0013843410001, #0013843410002, and a United Kingdom patent pending.

Installation examples shown on next page



**Cush-A-Nator® – New Installations**



**Cush-A-Nator® – Retrofit / Replacement Applications**

A key feature of the Cush-A-Nator is this ability to place the cushion and rotate into position. *Perfect for retrofit applications!*

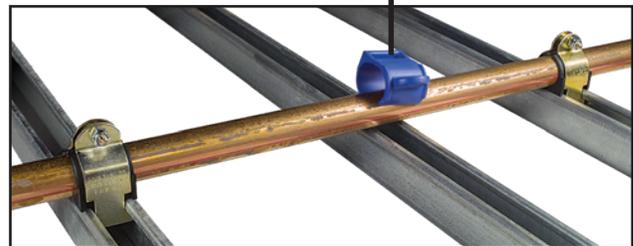
**Retrofit - The Common Problem**

Replacing a cush-a-clamp within a long pipe run poses a problem. Clamps before and after the one to be replaced prohibit the pipe from being raised so that the new cushion can be installed correctly. All too often a work-around is used which compromises the connection.

**Retrofit - The Perfect Solution**

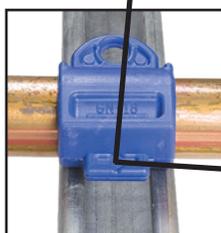
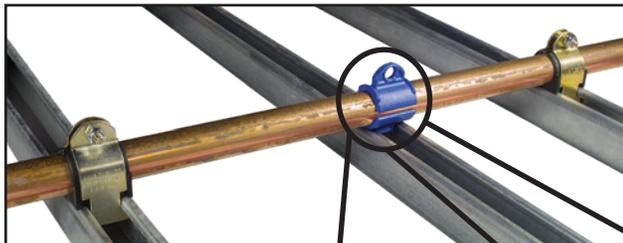
**Step 1:** Remove Bad Cushion.

**Step 2:** The Cush-A-Nator can be installed without raising the pipe. The unique "Thumb Drive" allows you to rotate the Cush-A-Nator into position.

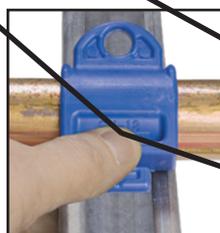


**Step 3:** Rotated into place while on the channel and the Self-Alignment tab automatically aligns with the channel opening ready for clamping.

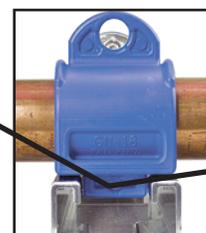
**Step 3:** Add Pipe Clamps and tighten the assembly.



Rotate into Position

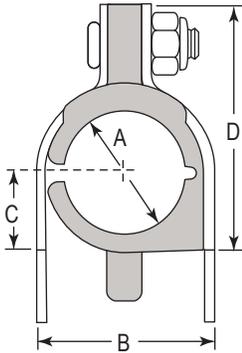


Thumb Drive



"Self-Alignment"

Cush-A-Nator® Standard (CN) has an operating range of -50°F to 275°F (-45°C to 135°C).



Cush-A-Nator® Standard (CN) Tube Part No.			O.D. Tube Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
CN04	CN04SS	CN04S6	1/4"	0.25" (6mm)	0.62" (16mm)	0.27" (7mm)	0.98" (25mm)
CN06	CN06SS	CN06S6	3/8"	0.37" (9mm)	0.82" (21mm)	0.33" (8mm)	1.13" (29mm)
CN08	CN08SS	CN08S6	1/2"	0.50" (13mm)	0.94" (24mm)	0.40" (10mm)	1.34" (34mm)
CN10	CN10SS	CN10S6	5/8"	0.62" (16mm)	1.06" (27mm)	0.46" (12mm)	1.54" (39mm)
CN12	CN12SS	CN12S6	3/4"	0.75" (19mm)	1.20" (30mm)	0.52" (13mm)	1.68" (43mm)
CN14	CN14SS	CN14S6	7/8"	0.87" (22mm)	1.31" (33mm)	0.58" (15mm)	1.82" (46mm)
CN16	CN16SS	CN16S6	1"	1.00" (25mm)	1.44" (37mm)	0.65" (17mm)	1.95" (50mm)
CN18	CN18SS	CN18S6	1 1/8"	1.12" (28mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
CN20	CN20SS	CN20S6	1 1/4"	1.25" (32mm)	1.70" (43mm)	0.77" (20mm)	2.21" (56mm)
CN32M	CN32MSS	CN32MS6	32mm	32mm	1.51" (38mm)	0.76" (19mm)	2.55" (65mm)
CN22	CN22SS	CN22S6	1 3/8"	1.37" (35mm)	1.82" (46mm)	0.83" (21mm)	2.34" (59mm)
CN24	CN24SS	CN24S6	1 1/2"	1.50" (38mm)	1.95" (50mm)	0.90" (23mm)	2.47" (63mm)
CN26	CN26SS	CN26S6	1 5/8"	1.62" (41mm)	2.07" (53mm)	0.96" (24mm)	2.60" (66mm)
CN28	CN28SS	CN28S6	1 3/4"	1.75" (45mm)	2.20" (56mm)	1.02" (26mm)	2.73" (69mm)
CN30	CN30SS	CN30S6	1 7/8"	1.87" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
CN32	CN32SS	CN32S6	2"	2.00" (51mm)	2.45" (62mm)	1.15" (29mm)	3.04" (77mm)
CN34	CN34SS	CN34S6	2 1/8"	2.12" (54mm)	2.57" (65mm)	1.27" (32mm)	3.23" (82mm)
CN36	CN36SS	CN36S6	2 1/4"	2.25" (57mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
CN38	CN38SS	CN38S6	2 3/8"	2.37" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
CN40	CN40SS	CN40S6	2 1/2"	2.50" (64mm)	2.94" (75mm)	1.46" (37mm)	3.79" (96mm)
CN42	CN42SS	CN42S6	2 5/8"	2.62" (66mm)	3.07" (78mm)	1.53" (39mm)	3.92" (100mm)
CN46	CN46SS	CN46S6	2 7/8"	2.87" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
CN75M	CN75MSS	CN75MS6	75mm	75mm	3.37" (86mm)	1.69" (43mm)	4.68" (119mm)
CN48	CN48SS	CN48S6	3"	3.00" (76mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
CN50	CN50SS	CN50S6	3 1/8"	3.12" (79mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
CN56	CN56SS	CN56S6	3 1/2"	3.50" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
CN90M	CN90MSS	CN90MS6	90mm	90mm	3.86" (98mm)	1.94" (49mm)	5.23" (133mm)
CN64	CN64SS	CN64S6	4"	4.00" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
CN66	CN66SS	CN66S6	4 1/8"	4.12" (105mm)	4.57" (116mm)	2.34" (59mm)	5.54" (141mm)
CN110M	CN110MSS	CN110MS6	110mm	110mm	4.99" (127mm)	2.81" (71mm)	6.38" (162mm)
CN72	CN72SS	CN72S6	4 1/2"	4.50" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)
CN125M	CN125MSS	CN125MS6	125mm	125mm	5.61" (142mm)	2.81" (71mm)	7.00" (178mm)
CN96	CN96SS	CN96S6	6"	6.00" (152mm)	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)
CN160M	CN160MSS	CN160MS6	160mm	160mm	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)

Cush-A-Nator® Standard (CN) Pipe Part No.			Pipe Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
CN14P	CN14PSS	CN14PS6	1/2"	0.840" (21mm)	1.29" (33mm)	0.58" (15mm)	1.82" (46mm)
CN17P	CN17PSS	CN17PS6	3/4"	1.050" (27mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
CN21P	CN21PSS	CN21PS6	1"	1.315" (33mm)	1.76" (45mm)	0.81" (21mm)	2.34" (59mm)
CN30P	CN30PSS	CN30PS6	1 1/2"	1.900" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
CN38P	CN38PSS	CN38PS6	2"	2.375" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
CN46P	CN46PSS	CN46PS6	2 1/2"	2.875" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
CN56P	CN56PSS	CN56PS6	3"	3.500" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
CN64P	CN64PSS	CN64PS6	3 1/2"	4.000" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
CN72P	CN72PSS	CN72PS6	4"	4.500" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)

Contact Factory for Additional Sizes



Introduction

Channel

Channel Nuts  
& Hardware

General  
Fittings

Brackets

Beam  
Clamps

Pipe & Conduit  
Supports

Electrical  
Fittings

Spring  
Steel

Concrete  
Inserts

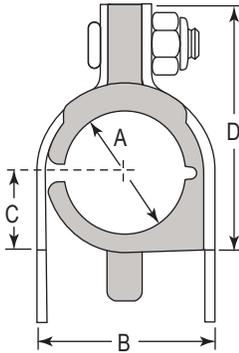
Rooftop  
Supports

Fiberglass  
System

Technical  
Data



Cush-A-Nator® High Temp (HT) has service temperatures of -65°F to 340°F (-53°C to 170°C).



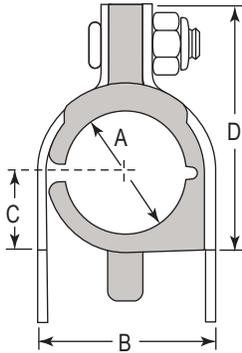
Cush-A-Nator® High Temp (HT) Tube Part No.			O.D. Tube Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
HT04	HT04SS	HT04S6	1/4"	0.25" (6mm)	0.62" (16mm)	0.27" (7mm)	0.98" (25mm)
HT06	HT06SS	HT06S6	3/8"	0.37" (9mm)	0.82" (21mm)	0.33" (8mm)	1.13" (29mm)
HT08	HT08SS	HT08S6	1/2"	0.50" (13mm)	0.94" (24mm)	0.40" (10mm)	1.34" (34mm)
HT10	HT10SS	HT10S6	5/8"	0.62" (16mm)	1.06" (27mm)	0.46" (12mm)	1.54" (39mm)
HT12	HT12SS	HT12S6	3/4"	0.75" (19mm)	1.20" (30mm)	0.52" (13mm)	1.68" (43mm)
HT14	HT14SS	HT14S6	7/8"	0.87" (22mm)	1.31" (33mm)	0.58" (15mm)	1.82" (46mm)
HT16	HT16SS	HT16S6	1"	1.00" (25mm)	1.44" (37mm)	0.65" (17mm)	1.95" (50mm)
HT18	HT18SS	HT18S6	1 1/8"	1.12" (28mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
HT20	HT20SS	HT20S6	1 1/4"	1.25" (32mm)	1.70" (43mm)	0.77" (20mm)	2.21" (56mm)
HT32M	HT32MSS	HT32MS6	32mm	32mm	1.51" (38mm)	0.76" (19mm)	2.55" (65mm)
HT22	HT22SS	HT22S6	1 3/8"	1.37" (35mm)	1.82" (46mm)	0.83" (21mm)	2.34" (59mm)
HT24	HT24SS	HT24S6	1 1/2"	1.50" (38mm)	1.95" (50mm)	0.90" (23mm)	2.47" (63mm)
HT26	HT26SS	HT26S6	1 5/8"	1.62" (41mm)	2.07" (53mm)	0.96" (24mm)	2.60" (66mm)
HT28	HT28SS	HT28S6	1 3/4"	1.75" (45mm)	2.20" (56mm)	1.02" (26mm)	2.73" (69mm)
HT30	HT30SS	HT30S6	1 7/8"	1.87" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
HT32	HT32SS	HT32S6	2"	2.00" (51mm)	2.45" (62mm)	1.15" (29mm)	3.04" (77mm)
HT34	HT34SS	HT34S6	2 1/8"	2.12" (54mm)	2.57" (65mm)	1.27" (32mm)	3.23" (82mm)
HT36	HT36SS	HT36S6	2 1/4"	2.25" (57mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HT38	HT38SS	HT38S6	2 3/8"	2.37" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HT40	HT40SS	HT40S6	2 1/2"	2.50" (64mm)	2.94" (75mm)	1.46" (37mm)	3.79" (96mm)
HT42	HT42SS	HT42S6	2 5/8"	2.62" (66mm)	3.07" (78mm)	1.53" (39mm)	3.92" (100mm)
HT46	HT46SS	HT46S6	2 7/8"	2.87" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
HT75M	HT75MSS	HT75MS6	75mm	75mm	3.37" (86mm)	1.69" (43mm)	4.68" (119mm)
HT48	HT48SS	HT48S6	3"	3.00" (76mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
HT50	HT50SS	HT50S6	3 1/8"	3.12" (79mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
HT56	HT56SS	HT56S6	3 1/2"	3.50" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
HT90M	HT90MSS	HT90MS6	90mm	90mm	3.86" (98mm)	1.94" (49mm)	5.23" (133mm)
HT64	HT64SS	HT64S6	4"	4.00" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
HT66	HT66SS	HT66S6	4 1/8"	4.12" (105mm)	4.57" (116mm)	2.34" (59mm)	5.54" (141mm)
HT110M	HT110MSS	HT110MS6	110mm	110mm	4.99" (127mm)	2.81" (71mm)	6.38" (162mm)
HT72	HT72SS	HT72S6	4 1/2"	4.50" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)
HT125M	HT125MSS	HT125MS6	125mm	125mm	5.61" (142mm)	2.81" (71mm)	7.00" (178mm)
HT96	HT96SS	HT96S6	6"	6.00" (152mm)	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)
HT160M	HT160MSS	HT160MS6	160mm	160mm	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)

Cush-A-Nator® High Temp (HT) Pipe Part No.			Pipe Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
HT14P	HT14PSS	HT14PS6	1/2"	0.840" (21mm)	1.29" (33mm)	0.58" (15mm)	1.82" (46mm)
HT17P	HT17PSS	HT17PS6	3/4"	1.050" (27mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
HT21P	HT21PSS	HT21PS6	1"	1.315" (33mm)	1.76" (45mm)	0.81" (21mm)	2.34" (59mm)
HT30P	HT30PSS	HT30PS6	1 1/2"	1.900" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
HT38P	HT38PSS	HT38PS6	2"	2.375" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HT46P	HT46PSS	HT46PS6	2 1/2"	2.875" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
HT56P	HT56PSS	HT56PS6	3"	3.500" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
HT64P	HT64PSS	HT64PS6	3 1/2"	4.000" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
HT72P	HT72PSS	HT72PS6	4"	4.500" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)

Contact Factory for Additional Sizes



Cush-A-Nator® High Intensity Temp (HIT) has service temperatures of -65°F to 400°F (-53°C to 204°C).



Cush-A-Nator® High Intensity Temp (HIT) Tube Part No.			O.D. Tube Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
HIT04	HIT04SS	HIT04S6	¼"	0.25" (6mm)	0.62" (16mm)	0.27" (7mm)	0.98" (25mm)
HIT06	HIT06SS	HIT06S6	⅜"	0.37" (9mm)	0.82" (21mm)	0.33" (8mm)	1.13" (29mm)
HIT08	HIT08SS	HIT08S6	½"	0.50" (13mm)	0.94" (24mm)	0.40" (10mm)	1.34" (34mm)
HIT10	HIT10SS	HIT10S6	⅝"	0.62" (16mm)	1.06" (27mm)	0.46" (12mm)	1.54" (39mm)
HIT12	HIT12SS	HIT12S6	¾"	0.75" (19mm)	1.20" (30mm)	0.52" (13mm)	1.68" (43mm)
HIT14	HIT14SS	HIT14S6	⅞"	0.87" (22mm)	1.31" (33mm)	0.58" (15mm)	1.82" (46mm)
HIT16	HIT16SS	HIT16S6	1"	1.00" (25mm)	1.44" (37mm)	0.65" (17mm)	1.95" (50mm)
HIT18	HIT18SS	HIT18S6	1⅛"	1.12" (28mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
HIT20	HIT20SS	HIT20S6	1¼"	1.25" (32mm)	1.70" (43mm)	0.77" (20mm)	2.21" (56mm)
HIT32M	HIT32MSS	HIT32MS6	32mm	32mm	1.51" (38mm)	0.76" (19mm)	2.55" (65mm)
HIT22	HIT22SS	HIT22S6	1⅜"	1.37" (35mm)	1.82" (46mm)	0.83" (21mm)	2.34" (59mm)
HIT24	HIT24SS	HIT24S6	1½"	1.50" (38mm)	1.95" (50mm)	0.90" (23mm)	2.47" (63mm)
HIT26	HIT26SS	HIT26S6	1⅝"	1.62" (41mm)	2.07" (53mm)	0.96" (24mm)	2.60" (66mm)
HIT28	HIT28SS	HIT28S6	1¾"	1.75" (45mm)	2.20" (56mm)	1.02" (26mm)	2.73" (69mm)
HIT30	HIT30SS	HIT30S6	1⅞"	1.87" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
HIT32	HIT32SS	HIT32S6	2"	2.00" (51mm)	2.45" (62mm)	1.15" (29mm)	3.04" (77mm)
HIT34	HIT34SS	HIT34S6	2⅛"	2.12" (54mm)	2.57" (65mm)	1.27" (32mm)	3.23" (82mm)
HIT36	HIT36SS	HIT36S6	2¼"	2.25" (57mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HIT38	HIT38SS	HIT38S6	2⅜"	2.37" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HIT40	HIT40SS	HIT40S6	2½"	2.50" (64mm)	2.94" (75mm)	1.46" (37mm)	3.79" (96mm)
HIT42	HIT42SS	HIT42S6	2⅝"	2.62" (66mm)	3.07" (78mm)	1.53" (39mm)	3.92" (100mm)
HIT46	HIT46SS	HIT46S6	2⅞"	2.87" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
HIT75M	HIT75MSS	HIT75MS6	75mm	75mm	3.37" (86mm)	1.69" (43mm)	4.68" (119mm)
HIT48	HIT48SS	HIT48S6	3"	3.00" (76mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
HIT50	HIT50SS	HIT50S6	3⅛"	3.12" (79mm)	3.57" (91mm)	1.78" (45mm)	4.42" (112mm)
HIT56	HIT56SS	HIT56S6	3½"	3.50" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
HIT90M	HIT90MSS	HIT90MS6	90mm	90mm	3.86" (98mm)	1.94" (49mm)	5.23" (133mm)
HIT64	HIT64SS	HIT64S6	4"	4.00" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
HIT66	HIT66SS	HIT66S6	4⅛"	4.12" (105mm)	4.57" (116mm)	2.34" (59mm)	5.54" (141mm)
HIT110M	HIT110MSS	HIT110MS6	110mm	110mm	4.99" (127mm)	2.81" (71mm)	6.38" (162mm)
HIT72	HIT72SS	HIT72S6	4½"	4.50" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)
HIT125M	HIT125MSS	HIT125MS6	125mm	125mm	5.61" (142mm)	2.81" (71mm)	7.00" (178mm)
HIT96	HIT96SS	HIT96S6	6"	6.00" (152mm)	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)
HIT160M	HIT160MSS	HIT160MS6	160mm	160mm	6.62" (168mm)	3.31" (84mm)	7.63" (194mm)

Cush-A-Nator® High Intensity Temp (HIT) Pipe Part No.			Pipe Size	Dimensions (inches)			
Steel	SS304	SS316		A	B	C	D
HIT14P	HIT14PSS	HIT14PS6	½"	0.840" (21mm)	1.29" (33mm)	0.58" (15mm)	1.82" (46mm)
HIT17P	HIT17PSS	HIT17PS6	¾"	1.050" (27mm)	1.57" (40mm)	0.70" (18mm)	2.08" (53mm)
HIT21P	HIT21PSS	HIT21PS6	1"	1.315" (33mm)	1.76" (45mm)	0.81" (21mm)	2.34" (59mm)
HIT30P	HIT30PSS	HIT30PS6	1½"	1.900" (48mm)	2.32" (59mm)	1.09" (28mm)	2.86" (73mm)
HIT38P	HIT38PSS	HIT38PS6	2"	2.375" (60mm)	2.82" (72mm)	1.41" (36mm)	3.67" (93mm)
HIT46P	HIT46PSS	HIT46PS6	2½"	2.875" (73mm)	3.32" (84mm)	1.66" (42mm)	4.17" (106mm)
HIT56P	HIT56PSS	HIT56PS6	3"	3.500" (89mm)	3.95" (100mm)	1.97" (50mm)	4.79" (122mm)
HIT64P	HIT64PSS	HIT64PS6	3½"	4.000" (102mm)	4.45" (113mm)	2.28" (58mm)	5.11" (130mm)
HIT72P	HIT72PSS	HIT72PS6	4"	4.500" (114mm)	4.95" (126mm)	2.53" (64mm)	5.92" (150mm)

Contact Factory for Additional Sizes



## Cush-A-Clamp®



Gold Electro-Galvanized Steel

Stainless Steel



The "Living Hinge" allows the cushion to be spread apart for quick, easy installation.

**CUSH-A-CLAMP** — Channel mounted clamping systems are ideal for multiple line runs, while absorbing shock and vibration, reducing unwanted noise, and preventing galvanic corrosion. Cush-A-Clamp fits any standard 1-5/8" (41mm) wide channel.

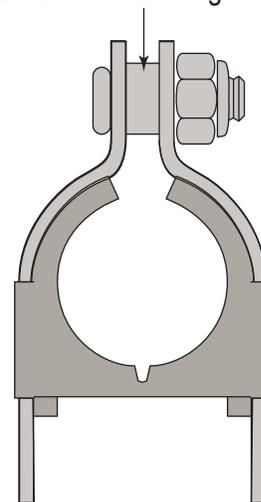
Assembly consisting of steel clamp with locknut and thermoplastic elastomer cushion. All parts are marked for easy identification and packaged for small lot or bulk use. When specified, Cush-A-Clamp assemblies up to 2" (51mm), are available individually packaged.

**THE CLAMP** — Features a unique shoulder stud which is securely fastened to one clamp half. Steel clamps for tube sizes up to 1-3/8" (35mm) have the "Controlled Squeeze™" design which eliminates over-tightening and rotation while a nylon-insert nut assures a positive lock. Clamps are available in steel (with electro-dichromate finish), and stainless steel type 304 or type 316.

**THE CUSHION** — Made from a thermoplastic elastomer, it's built tough to withstand the effects of most oils, chemicals and industrial cleaning compounds, in temperatures from -50°F to 275°F (-45°C to 135°C). Interlock edges and channel locator legs ensure that the cushion remains in place.

**INSTALLATION** — One man, one tool time savings. Retrofits can be added without disassembly. The "Living Hinge" allows the cushion to be spread apart for quick, easy installation on sizes from 1/4" through 1-3/4" (6mm - 45mm).

### Controlled Squeeze™ Shoulder Bolt Eliminates Over-Tightening



The controlled squeeze insures that the nut on the clamp is not over tightened which avoids damaging the pipe that is being installed.

Loading Values Mounted in Standard 12 Gauge Channel					
Nut	Torque (in-lbs)	Products	Pullout (lbs)	Slip (lbs)	
				Along	Through
1/4"	40 (4.5 N•m)	004T008 - 022T026	1,000 (4.5 kN)	100 (0.4 kN)	100 (0.4 kN)
5/16"	60 (6.8 N•m)	024T028 - 050N056	2,200 (9.8 kN)	200 (0.9 kN)	200 (0.9 kN)
3/8"	150 (16.9 N•m)	053N050 - 138NS146	3,600 (16.0 kN)	600 (2.7 kN)	350 (1.6 kN)

Loads are the same for Stainless Steel Clamps (Example 024NS028)

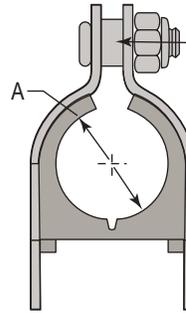




Gold Electro-Galvanized Steel



Stainless Steel



**Controlled Squeeze™**  
Eliminates Over-Tightening

Controlled Squeeze as shown in the drawing is included on smaller sizes of Cush-A-Clamp with "T" in the part number (e.g. 010T014).

Part No.			Dimension "A"			
Steel	Stainless Steel 304	Stainless Steel 316	*Copper and Steel Tubing	Copper Water Pipe (Nom.)	Nom. Pipe Size	A
004T008 - with Controlled Squeeze	004NS008	004NST008	1/4"	-	-	0.25" (6mm)
006T010 - with Controlled Squeeze	006NS010	006NST010	3/8"	1/4"	-	0.37" (9mm)
008T012 - with Controlled Squeeze	008NS012	008NST012	1/2"	3/8"	-	0.50" (13mm)
009N012	009NS012	009NST012	-	-	1/4"	0.54" (14mm)
010T014 - with Controlled Squeeze	010NS014	010NST014	5/8"	1/2"	-	0.62" (16mm)
011N014	011NS014	011NST014	-	-	3/8"	0.67" (17mm)
012T016 - with Controlled Squeeze	012NS016	012NST016	3/4"	5/8"	-	0.75" (19mm)
014N018	014NS018	014NST018	-	-	1/2"	0.84" (21mm)
014T018 - with Controlled Squeeze	014NS018	014NST018	7/8"	3/4"	-	0.87" (22mm)
016T020 - with Controlled Squeeze	016NS020	016NST020	1"	-	-	1.00" (25mm)
017N022	017NS022	017NST022	-	-	3/4"	1.05" (27mm)
018T022 - with Controlled Squeeze	018NS022	018NST022	1-1/8"	1"	-	1.12" (28mm)
020T024 - with Controlled Squeeze	020NS024	020NST024	1-1/4"	-	-	1.25" (32mm)
021N026	021NS026	021NST026	-	-	1"	1.31" (33mm)
022T026 - with Controlled Squeeze	022NS026	022NST026	1-3/8"	1-1/4"	-	1.37" (35mm)
024N028	024NS028	024NST028	1-1/2"	-	-	1.50" (38mm)
026N030	026NS030	026NST030	1-5/8"	1-1/2"	-	1.62" (41mm)
027N032	027NS032	027NST032	-	-	1-1/4"	1.66" (42mm)
028N032	028NS032	028NST032	1-3/4"	-	-	1.75" (44mm)
030N034	030NS034	030NST034	1-7/8"	-	1-1/2"	1.90" (48mm)
032N036	032NS036	032NST036	2"	-	-	2.00" (51mm)
034N040	034NS040	034NST040	2-1/8"	2"	-	2.12" (54mm)
038N042	038NS042	038NST042	2-1/4"	-	-	2.37" (60mm)
038N044	038NS044	038NST044	2-3/8"	-	2"	2.37" (60mm)
040N046	040NS046	040NST046	2-1/2"	-	-	2.50" (64mm)
042N048	042NS048	042NST048	2-5/8"	2-1/2"	-	2.62" (67mm)
046N052	046NS052	046NST052	2-7/8"	-	2-1/2"	2.87" (73mm)
050N054	050NS054	050NST054	3"	-	-	3.00" (76mm)
050N056	050NS056	050NST056	3-1/8"	3"	-	3.12" (79mm)
053N060	053NS060	053NST060	3-5/16"	-	-	3.31" (84mm)
056N062	056NS062	056NST062	3-1/2"	-	3"	3.50" (89mm)
058N064	058NS064	058NST064	3-5/8"	3-1/2"	-	3.62" (92mm)
064N072	064NS072	064NST072	4"	-	3-1/2"	4.00" (102mm)
066N074	066NS074	066NST074	4-1/8"	4"	-	4.12" (105mm)
069N076	069NS076	069NST076	4-5/16"	-	-	4.34" (110mm)
072N080	072NS080	072NST080	4-1/2"	-	4"	4.50" (114mm)
082N090	082NS090	082NST090	5-1/8"	5"	-	5.12" (130mm)
089N096	089NS096	089NST096	-	-	5"	5.56" (141mm)
096N106	096NS106	096NST106	6"	-	-	6.00" (152mm)
098N106	098NS106	098NST106	6-1/8"	6"	-	6.12" (155mm)
106N114	106NS114	106NST114	-	-	6"	6.62" (168mm)
138N146	138NS146	138NST146	-	-	8"	8.62" (219mm)

\*Tube O.D. is Cushion I.D. Design load deflection data available on request.



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Pipe & Conduit Supports

Electrical Fittings

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Concrete Inserts

Rooftop Supports

Fiberglass System

Technical Data

- Made in USA, Meets - Buy America Act
- UL Classified 2043 (25/50) for use in plenums and air handling systems
- Specified MSS-SP 58 Type 60 and Type 61
- Clamps are 1008-1010 carbon steel
- Eliminate shock and vibration
- Studs are projection welded
- Nylon insert locknut
- Resist most fuels, oils, gases, greases, solvents, mineral acids and other harsh materials
- UV resistant
- Allow fluid conductors to be added or removed from installations without disturbing adjacent lines
- Assembled or disassembled with a single hand or power wrench for fast and simple installation
- Permit various size lines to be mixed to suit installation
- All metal components have a yellow Tri-Valent (non-hex) plating
- Also available in EG Clear, 304 SS, 316 SS and Aluminum
- Cushion material is a thermoplastic elastomer
- Temperature rating: -65°F to +275°F (-53.9°C to +135°C)



Nominal Pipe Sizes					
Part No.	Nom. Pipe	Hole Size	Width	Center to Top of Strut	Height
200025	1/4"	0.540"	0.91"	0.63"	1.41"
200037	3/8"	0.675"	1.07"	0.45"	1.59"
200050	1/2"	0.840"	1.45"	0.59"	1.91"
200075	3/4"	1.050"	1.79"	0.72"	2.16"
200100	1"	1.315"	2.22"	0.91"	2.75"
200125	1-1/4"	1.660"	2.47"	1.03"	3.03"
200150	1-1/2"	1.900"	2.47"	1.16"	3.28"
200200	2"	2.375"	3.22"	1.41"	3.78"
200250	2-1/2"	2.875"	3.72"	1.66"	4.27"
200300	3"	3.500"	4.36"	1.97"	4.91"
200350	3-1/2"	4.000"	4.97"	2.28"	5.53"
200400	4"	4.500"	5.47"	2.53"	6.03"
200500	5"	5.563"	6.47"	3.03"	7.03"
200600	6"	6.625"	7.62"	3.53"	8.03"
200800	8"	8.625"	9.36"	5.00"	10.61"

Additional sizes available on request.

Metric Pipe Sizes				
Part No.	Metric Pipe Sizes	Width	Center to Top of Strut	Height
20MMHZ	20mm	1.33"	0.53"	1.78"
25MMHZ	25mm	1.66"	0.66"	2.03"
32MMHZ	32mm	1.92"	0.78"	2.30"
40MMHZ	40mm	2.22"	0.91"	2.75"
50MMHZ	50mm	2.72"	1.16"	3.28"
63MMHZ	63mm	3.47"	1.53"	4.03"
75MMHZ	75mm	3.97"	1.78"	4.52"
90MMHZ	90mm	4.36"	1.97"	4.91"
110MMHZ	110mm	5.30"	2.44"	5.76"
125MMHZ	125mm	6.15"	2.71"	6.55"
160MMHZ	160mm	7.70"	3.41"	7.95"

Additional sizes available on request.



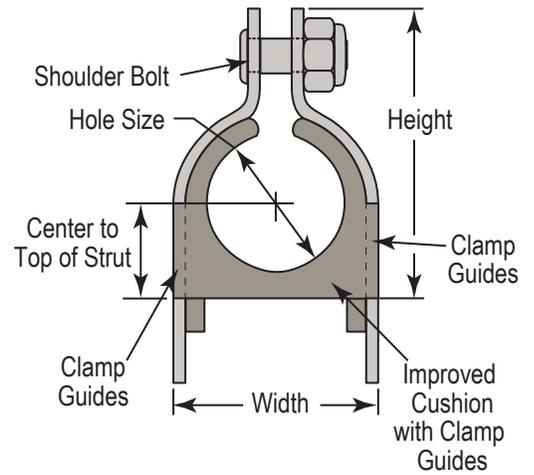
# Premier Cushioned Clamp

## Tubing Sizes



Tubing O.D. Sizes						
Part No.	Tubing O.D.	Copper (Nom.)	Hole Size	Width	Center to Top of Strut	Height
100025	1/4"	-	0.250"	0.62"	0.22"	1.11"
100031	5/16"	-	0.313"	0.75"	0.28"	1.24"
100037	3/8"	1/4"	0.375"	0.75"	0.28"	1.24"
100047	0.47"	-	0.470"	0.87"	0.34"	1.36"
100050	1/2"	3/8"	0.500"	0.87"	0.34"	1.36"
100062	5/8"	1/2"	0.625"	1.00"	0.41"	1.50"
100075	3/4"	5/8"	0.750"	1.33"	0.53"	1.78"
100087	7/8"	3/4"	0.870"	1.45"	0.58"	1.91"
100100	1"	-	1.000"	1.66"	0.66"	2.03"
100112	1-1/8"	1"	1.125"	1.79"	0.72"	2.16"
100119	1.19"	-	1.190"	1.92"	0.72"	2.30"
100125	1-1/4"	-	1.250"	1.92"	0.78"	2.30"
100137	1-3/8"	1-1/4"	1.375"	2.22"	0.91"	2.75"
100150	1-1/2"	-	1.500"	2.22"	0.91"	2.75"
100162	1-5/8"	1-1/2"	1.625"	2.47"	1.03"	3.03"
100175	1-3/4"	-	1.750"	2.47"	1.03"	3.03"
100187	1-7/8"	-	1.900"	2.47"	1.16"	3.28"
100200	2"	-	2.000"	2.72"	1.16"	3.28"
100212	2-1/8"	2"	2.125"	2.97"	1.28"	3.53"
100225	2-1/4"	-	2.370"	3.22"	1.41"	3.78"
100237	2-3/8"	-	2.370"	3.22"	1.41"	3.78"
100251	2-1/2"	-	2.500"	3.47"	1.53"	4.03"
100262	2-5/8"	2-1/2"	2.625"	3.47"	1.53"	4.03"
100287	2-7/8"	-	2.870"	3.73"	1.65"	4.28"
100300	3"	-	3.000"	3.97"	1.78"	4.52"
100312	3-1/8"	3"	3.125"	3.97"	1.78"	4.52"
100337	3-3/8"	-	3.375"	4.09"	1.89"	4.84"
100362	3-5/8"	3-1/2"	3.625"	4.47"	2.03"	5.03"
100400	4"	-	4.000"	4.80"	2.28"	5.50"
100412	4-1/8"	4"	4.125"	5.09"	2.34"	5.66"
100425	4-1/4"	-	4.250"	5.21"	2.40"	5.76"
100431	4-5/16"	-	4.340"	5.27"	2.44"	5.85"
100437	4-3/8"	-	4.375"	5.33"	2.47"	5.92"
100462	4-5/8"	-	4.625"	5.59"	2.60"	6.17"
100492	4.92"	-	4.920"	5.88"	2.74"	6.46"
100500	5"	-	5.000"	6.25"	2.81"	6.75"
100512	5-1/8"	5"	5.125"	6.25"	2.81"	6.75"
100600	6"	-	6.000"	7.50"	3.31"	7.75"
100612	6-1/8"	6"	6.125"	7.50"	3.31"	7.75"
100631	6-5/16"	-	6.313"	7.71"	3.44"	8.06"
100637	6-3/8"	-	6.375"	7.77"	3.47"	8.12"
100650	6-1/2"	-	6.500"	7.90"	3.53"	8.25"

Additional sizes available on request.



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Technical Data

## TITAN<sup>®</sup> Insulation Riser Clamp Series

The patented Titan riser is made to fit insulated pipe and create a clean vapor barrier on vertical pipe runs. Klo-Shure Titan riser will dramatically improve the fit and finish of insulated tube and pipe runs.

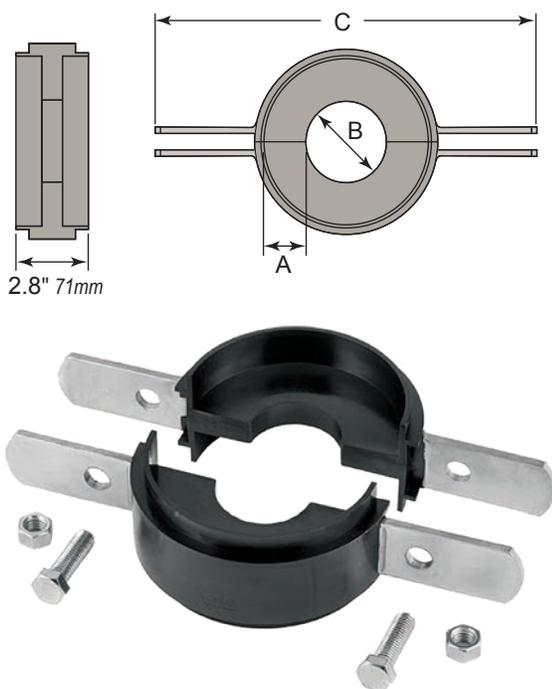


- Made in USA, Meets - Buy America Act
- Superior vapor barrier
- Three times faster installation of insulation
- Crush resistant design
- Dramatically improved finished appearance of insulated tube & pipe runs
- Eliminates insulation compression
- Available for 7/8" to 4-1/8" (22mm to 105mm) OD tube
- Insulation wall thickness from 1" to 1-1/2" (25mm to 38mm)
- Molded with high strength TPO plastic

Upper floor insulation from above.

Riser clamp assembly secures and supports the weight of pipe or tubing.

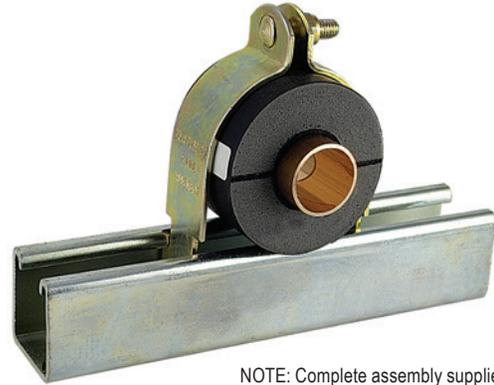
Pipe or tubing and insulation through floor.



Part No.	Dimensions (in)			
	A Wall Thickness	B OD Size	C	Load Data Lbs
R087100	1" (25mm)	7/8" (22mm)	10-1/4" (260mm)	75 (0.33 kN)
R112100		1-1/8" (29mm)	10-7/8" (276mm)	120 (0.53 kN)
R137100		1-3/8" (35mm)	11-1/2" (292mm)	150 (0.67 kN)
R162100		1-5/8" (41mm)	11-1/2" (292mm)	150 (0.67 kN)
R212100		2-1/8" (54mm)	11-1/2" (292mm)	190 (0.85 kN)
R262100		2-5/8" (67mm)	12-1/2" (318mm)	300 (1.34 kN)
R312100		3-1/8" (79mm)	12-1/2" (318mm)	300 (1.34 kN)
R412100		4-1/8" (105mm)	13.8" (351mm)	320 (1.42 kN)
R087150	1-1/2" (38mm)	7/8" (22mm)	10-7/8" (276mm)	75 (0.33 kN)
R112150		1-1/8" (29mm)	10-7/8" (276mm)	120 (0.67 kN)
R137150		1-3/8" (35mm)	11-1/2" (292mm)	150 (0.67 kN)
R162150		1-5/8" (41mm)	11-1/2" (292mm)	150 (0.67 kN)
R212150		2-1/8" (54mm)	12" (305mm)	150 (0.67 kN)
R262150		2-5/8" (67mm)	12" (305mm)	300 (1.34 kN)
R312150		3-1/8" (79mm)	13" (330mm)	300 (1.34 kN)
R412150		4-1/8" (105mm)	15-5/8" (397mm)	300 (1.34 kN)



## Airtight Crush-Resistant Insulation Clamp



NOTE: Complete assembly supplied with gold electro-galvanized channel clamp and hardware

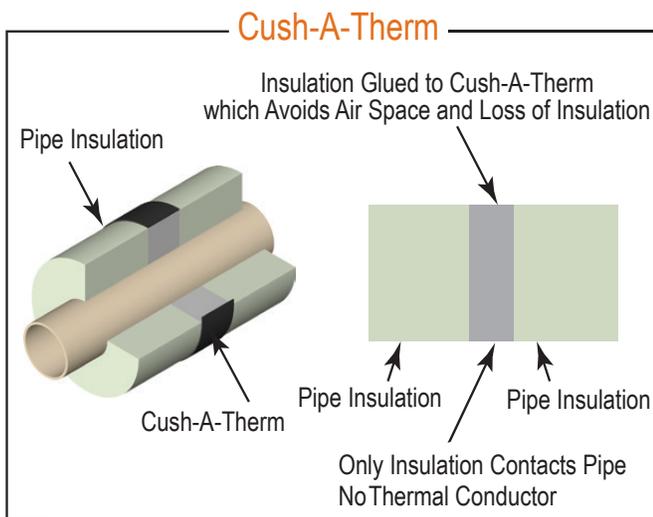
**Cush-A-Therm Clamp** is a perfect crush-resistant airtight seal for chilled refrigeration or mechanical pipe lines that require continuous insulation.

The rigid foam construction has an insulating tape inner lining which supports tube and absorbs vibration of operating pipe lines.

The outer cover consists of a special rubber coating which seals the cushion after installation in order to prevent condensation.

It's strong closed-cell structure is ideal for liquid cooling lines to prevent condensation, save energy, and maintain the vapor barrier.

- Service Temperature, Continuous: -328°F to +257°F (-200°C to +125°C)
- Flammability is Self-Extinguishing as tested under ASTM D 635
- Maintains thermal barrier protection
- Tested in Conformance with ASTM E84 (UL 723, NFPA 255) having results of 0 FSI (Flame Spread Index) and 50 SDI (Smoke Developed Index)
- Prevents condensation
- Properly supports pipe and tube
- Absorbs vibration
- Polyurethane foam laminated with a rubber lining



### ASHRAE Insulation Recommendations

Cush-A-Therm is designed to meet the ASHRAE recommendations for insulation for mechanical systems which indicate that insulated pipe hangers should provide the following:

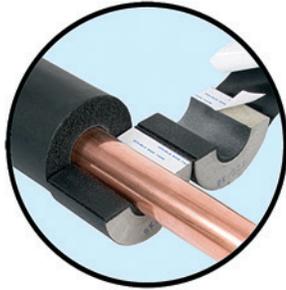
1. Complete sealing of pipe against water vapor ingress
2. No energy transfer of cold to supporting clamp to prevent condensation of water and possible growth of mold. If the support encasing the insulation is in contact with the pipe or tube and supported by a metallic clamp, which is not protected by insulation, below ambient temperatures will be transferred to the clamp causing energy transfer and condensation.
3. No interruption of the insulation envelope
4. Limit or avoid compression at support location

ASHRAE Section 23.13-23.14 further states "when the goal is avoiding compression of low-compressive-strength insulation products, it is recommended to use high-strength insulation inserts made of a product that offers the desired compressive strength and other necessary performance properties. Other higher-strength materials that are not thermal insulation material and interrupt the insulation envelope, or do not allow complete sealing of an insulation system against water vapor ingress are not recommended for supporting insulated piping on pipe hangers. Note that wood blocks have poor thermal conductivity and are not recommended, especially for cold pipe systems."

Insulated cold piping should receive special attention when exposed to ambient or unconditioned air. The Cush-A-Therm is a product that seals out air, and insulates the pipe/tube from the supporting clamp, and is therefore in compliance with the 2013 ASHRAE insulation recommendations.



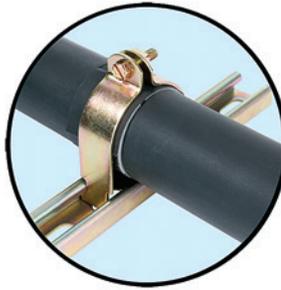
## INSTALLATION IS AS EASY AS 1-2-3!



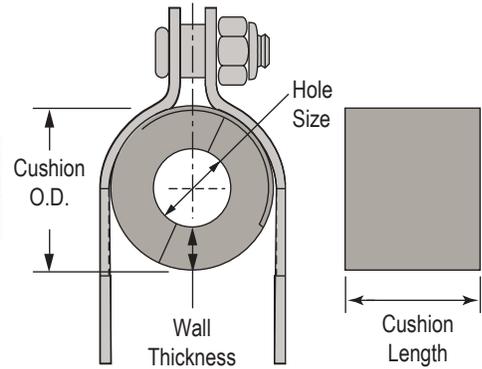
1. Insulation slides over pipes. Self adhesive surfaces provide seal.



2 Put in place and glue to insulation.



3. Wrap and seal with ProTape.



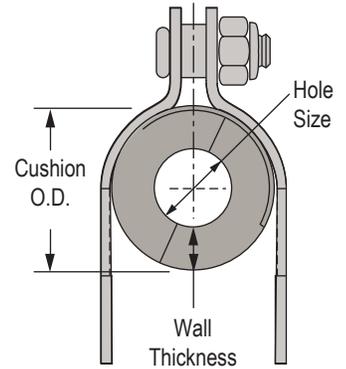
Dimensions (Inches)					Nominal 1/2" (13mm) Wall Thickness				Nominal 3/4" (19mm) Wall Thickness			
Hole Size	Copper I.D.	Pipe O.D.	IPS	Cushion Length	Part No.			Cushion O.D.	Part No.			Cushion O.D.
					Steel	SS 304	SS 316		Steel	SS 304	SS 316	
1/4" (6mm)	-	1/4"	-	2.953" (75mm)	UX1412	UX1412SS	UX1412S6	1 1/4" (1.250") (32mm)	UX1434	UX1434SS	UX1434S6	1 3/4" (1.750") (45mm)
3/8" (10mm)	1/4"	3/8"	-		UX3812	UX3812SS	UX3812S6	1 3/8" (1.375") (35mm)	UX3834	UX3834SS	UX3834S6	1 7/8" (1.875") (48mm)
1/2" (13mm)	3/8"	1/2"	1/4"		UX1212	UX1212SS	UX1212S6	1 1/2" (1.500") (38mm)	UX1234	UX1234SS	UX1234S6	2" (2.000") (51mm)
5/8" (16mm)	1/2"	5/8"	3/8"	2.953" (75mm)	UX5812	UX5812SS	UX5812S6	1 5/8" (1.625") (41mm)	UX5834	UX5834SS	UX5834S6	2 1/8" (2.125") (54mm)
3/4" (19mm)	5/8"	3/4"	-		UX3412	UX3412SS	UX3412S6	1 3/4" (1.750") (45mm)	UX3434	UX3434SS	UX3434S6	2 1/4" (2.250") (57mm)
7/8" (22mm)	3/4"	7/8"	1/2"		UX7812	UX7812SS	UX7812S6	1 7/8" (1.875") (48mm)	UX7834	UX7834SS	UX7834S6	2 3/8" (2.375") (60mm)
1-1/8" (29mm)	1"	1 1/8"	3/4"	2.953" (75mm)	UX11812	UX11812SS	UX11812S6	2 1/8" (2.125") (54mm)	UX11834	UX11834SS	UX11834S6	2 5/8" (2.625") (67mm)
1-3/8" (35mm)	1 1/4"	1 3/8"	1"		UX13812	UX13812SS	UX13812S6	2 3/8" (2.375") (60mm)	UX13834	UX13834SS	UX13834S6	2 7/8" (2.875") (73mm)
1-5/8" (41mm)	1 1/2"	1 5/8"	1 1/4"		UX15812	UX15812SS	UX15812S6	2 5/8" (2.625") (67mm)	UX15834	UX15834SS	UX15834S6	3 1/8" (3.125") (79mm)
1-7/8" (48mm)	-	1 7/8"	-	2.953" (75mm)	UX17812	UX17812SS	UX17812S6	2 7/8" (2.875") (73mm)	UX17834	UX17834SS	UX17834S6	3 3/8" (3.375") (86mm)
2-1/8" (54mm)	2"	2 1/8"	-		UX21812	UX21812SS	UX21812S6	3 1/8" (3.125") (79mm)	UX21834	UX21834SS	UX21834S6	3 5/8" (3.625") (92mm)
2-3/8" (60mm)	2 1/4"	2 3/8"	2"		UX23812	UX23812SS	UX23812S6	3 3/8" (3.375") (86mm)	UX23834	UX23834SS	UX23834S6	3 7/8" (3.875") (98mm)
2-5/8" (67mm)	2 1/2"	2 5/8"	-	3.937" (100mm)	UX25812	UX25812SS	UX25812S6	3 5/8" (3.625") (92mm)	UX25834	UX25834SS	UX25834S6	4 1/8" (4.125") (105mm)
2-7/8" (73mm)	-	2 7/8"	2 1/2"		UX27812	UX27812SS	UX27812S6	3 7/8" (3.875") (98mm)	UX27834	UX27834SS	UX27834S6	4 3/8" (4.375") (111mm)
3-1/8" (79mm)	3"	3 1/8"	-		UX31812	UX31812SS	UX31812S6	4 1/8" (4.125") (105mm)	UX31834	UX31834SS	UX31834S6	4 5/8" (4.625") (118mm)
3-1/2" (89mm)	-	3 1/2"	3"	3.937" (100mm)	UX31212	UX31212SS	UX31212S6	4 1/2" (4.500") (114mm)	UX31234	UX31234SS	UX31234S6	5" (5.000") (127mm)
3-5/8" (92mm)	3 1/2"	3 5/8"	-		UX35812	UX35812SS	UX35812S6	4 5/8" (4.625") (118mm)	UX35834	UX35834SS	UX35834S6	5 1/8" (5.125") (130mm)
4-1/8" (105mm)	4"	4-1/8"	3 1/2"		UX41812	UX41812SS	UX41812S6	5 1/8" (5.125") (130mm)	UX41834	UX41834SS	UX41834S6	5 5/8" (5.625") (143mm)
4-1/2" (114mm)	-	4-1/2"	4"		UX41212	UX41212SS	UX41212S6	5 1/2" (5.500") (140 mm)	UX41234	UX41234SS	UX41234S6	6" (6.00") (152mm)



NOTE: Complete assembly supplied with Stainless Steel channel clamp and hardware



NOTE: Complete assembly supplied with gold electro-galvanized channel clamp and hardware



Hole Size	Nominal 1" (25mm) Wall Thickness				Nominal 1-1/2" (38mm) Wall Thickness				Nominal 2" (51mm) Wall Thickness			
	Part No.			Cushion O.D.	Part No.			Cushion O.D.	Part No.			Cushion O.D.
	Steel	SS 304	SS 316		Steel	SS 304	SS 316		Steel	SS 304	SS 316	
1/4" (6mm)	UX1410	UX1410SS	UX1410S6	2 1/4" (2.250") (57mm)	UX1415	UX1415SS	UX1415S6	3 1/4" (3.250") (83mm)	-	-	-	-
3/8" (10mm)	UX3810	UX3810SS	UX3810S6	2 3/8" (2.375") (60mm)	UX3815	UX3815SS	UX3815S6	3 3/8" (3.375") (86mm)	-	-	-	-
1/2" (13mm)	UX1210	UX1210SS	UX1210S6	2 1/2" (2.500") (64mm)	UX1215	UX1215SS	UX1215S6	3 1/2" (3.500") (89mm)	-	-	-	-
5/8" (16mm)	UX5810	UX5810SS	UX5810S6	2 5/8" (2.625") (67mm)	UX5815	UX5815SS	UX5815S6	3 5/8" (3.625") (92mm)	UX5820	UX5820SS	UX5820S6	4 5/8" (4.625") (118mm)
3/4" (19mm)	UX3410	UX3410SS	UX3410S6	2 3/4" (2.750") (70mm)	UX3415	UX3415SS	UX3415S6	3 3/4" (3.750") (95mm)	UX3420	UX3420SS	UX3420S6	4 3/4" (4.750") (121mm)
7/8" (22mm)	UX7810	UX7810SS	UX7810S6	2 7/8" (2.875") (73mm)	UX7815	UX7815SS	UX7815S6	3 7/8" (3.875") (98mm)	UX7820	UX7820SS	UX7820S6	4 7/8" (4.875") (124mm)
1-1/8" (29mm)	UX11810	UX11810SS	UX11810S6	3 1/8" (3.125") (79mm)	UX11815	UX11815SS	UX11815S6	4 1/8" (4.125") (105mm)	UX11820	UX11820SS	UX11820S6	5 1/8" (5.125") (130mm)
1-3/8" (35mm)	UX13810	UX13810SS	UX13810S6	3 3/8" (3.375") (86mm)	UX13815	UX13815SS	UX13815S6	4 3/8" (4.375") (111mm)	UX13820	UX13820SS	UX13820S6	5 3/8" (5.375") (137mm)
1-5/8" (41mm)	UX15810	UX15810SS	UX15810S6	3 5/8" (3.625") (92mm)	UX15815	UX15815SS	UX15815S6	4 5/8" (4.625") (118mm)	UX15820	UX15820SS	UX15820S6	5 5/8" (5.625") (143mm)
1-7/8" (48mm)	UX17810	UX17810SS	UX17810S6	3 7/8" (3.875") (98mm)	UX17815	UX17815SS	UX17815S6	4 7/8" (4.875") (124mm)	UX17820	UX17820SS	UX17820S6	5 7/8" (5.875") (149mm)
2-1/8" (54mm)	UX21810	UX21810SS	UX21810S6	4 1/8" (4.125") (105mm)	UX21815	UX21815SS	UX21815S6	5 1/8" (5.125") (130mm)	UX21820	UX21820SS	UX21820S6	6 1/8" (6.125") (156mm)
2-3/8" (60mm)	UX23810	UX23810SS	UX23810S6	4 3/8" (4.375") (111mm)	UX23815	UX23815SS	UX23815S6	5 3/8" (5.375") (137mm)	UX23820	UX23820SS	UX23820S6	6 3/8" (6.375") (162mm)
2-5/8" (67mm)	UX25810	UX25810SS	UX25810S6	4 5/8" (4.625") (118mm)	UX25815	UX25815SS	UX25815S6	5 5/8" (5.625") (143mm)	UX25820	UX25820SS	UX25820S6	6 5/8" (6.625") (168mm)
2-7/8" (73mm)	UX27810	UX27810SS	UX27810S6	4 7/8" (4.875") (124mm)	UX27815	UX27815SS	UX27815S6	5 7/8" (5.875") (149mm)	UX27820	UX27820SS	UX27820S6	6 7/8" (6.875") (175mm)
3-1/8" (79mm)	UX31810	UX31810SS	UX31810S6	5 1/8" (5.125") (130mm)	UX31815	UX31815SS	UX31815S6	6 1/8" (6.125") (156mm)	UX31820	UX31820SS	UX31820S6	7 1/8" (7.125") (181mm)
3-1/2" (89mm)	UX31210	UX31210SS	UX31210S6	5 1/2" (5.500") (140mm)	UX31215	UX31215SS	UX31215S6	6 1/2" (6.500") (165mm)	UX31220	UX31220SS	UX31220S6	7 1/2" (7.500") (191mm)
3-5/8" (92mm)	UX35810	UX35810SS	UX35810S6	5 5/8" (5.625") (143mm)	UX35815	UX35815SS	UX35815S6	6 5/8" (6.625") (168mm)	UX35820	UX35820SS	UX35820S6	7 5/8" (7.625") (194mm)
4-1/8" (105mm)	UX41810	UX41810SS	UX41810S6	6 1/8" (6.125") (156mm)	UX41815	UX41815SS	UX41815S6	7 1/8" (7.125") (181mm)	UX41820	UX41820SS	UX41820S6	8 1/8" (8.125") (206mm)
4-1/2" (114mm)	UX41210	UX41210SS	UX41210S6	6 1/2" (6.500") (165mm)	UX41215	UX41215SS	UX41215S6	7 1/2" (7.500") (191mm)	UX41220	UX41220SS	UX41220S6	8 1/2" (8.500") (216mm)



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Patented Klo-Shure® Insulation Couplings allow sections of closed-cell, elastomeric or fiberglass insulation to be secured, eliminating most secondary operations at suspension points. It can also be used to simply join and secure two lengths of insulation.

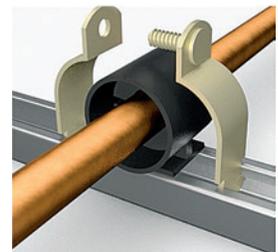
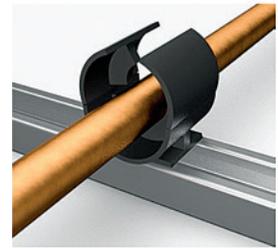
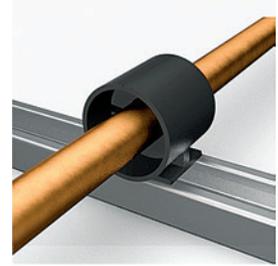
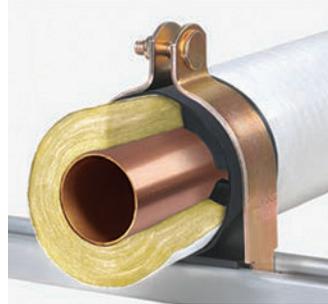
## 7-Series Strut Mount



## 8-Series Strut Mount



## 9-Series Strut Mount



**For elastomeric insulation.**

Supports and secures tubing in strut mounted applications.

**For fiberglass insulation, available in copper tube, iron pipe and mm sizing.**



### Features:

- All insulated copper tube and iron pipe lines are to be secured using can be insulated and secured
- Insulation is inserted inside coupling until it contacts internal wall
- Secondary operations (glue + tape) can be performed at installer's discretion
- Entire assembly can be assembled or disassembled with a single hand or power wrench
- Keep conductor runs as straight as possible.
- Overwrap of Klo-Shure coupling with insulation is not required
- Acceptable for horizontal and vertical installations



### Specification Data & Guidelines:

- Made in USA
- UL Classified 2043 (25/50) for use in plenums and air handling systems
- Specified MSS-SP 58 Type 60 and Type 61
- Manufactured from high strength TPO plastic
- Superior vapor barrier
- Three times faster installation of closed-cell elastomeric and fiberglass insulation
- Dramatically improved finished appearance of insulated tubing
- UV resistant
- Eliminates insulation compression at suspension points
- Available with strut mounted clamps and clevis hangers
  - OD tube from 1/4" to 4-1/8"
  - Nominal pipe 1/2" to 3"
  - Metric sizes 25mm –110mm
- All metal components have a yellow Trivalent (non-hex) plating

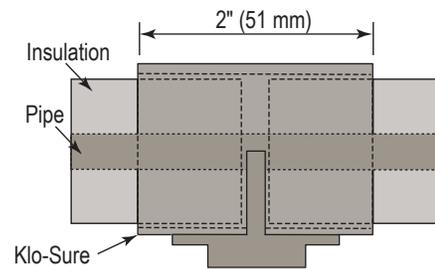
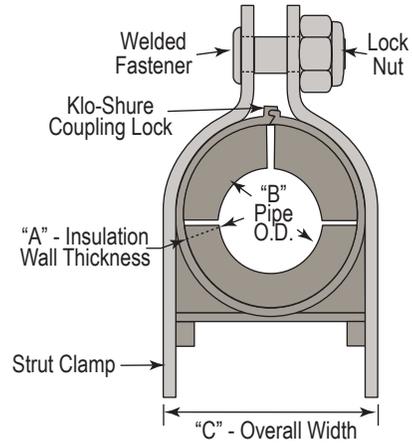
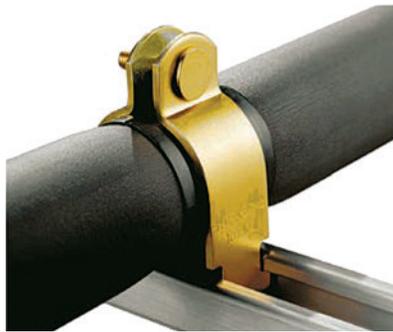


# Klo-Shure® Insulation Couplings

## 7-Series for Elastomeric Insulation



7-Series Strut Mount



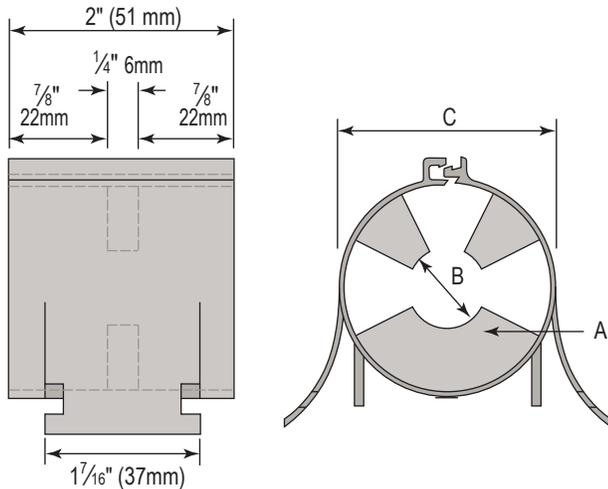
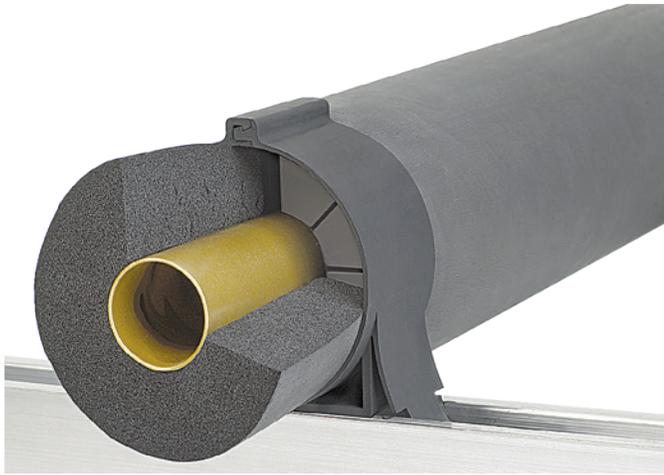
Part No.	Insulation Wall Thickness	Copper Tube O.D.	C Overall Width
723025	3/8"	1/4" OD	1.12" (28mm)
723037		3/8" OD	1.25" (32mm)
723050		1/2" OD	1.37" (35mm)
723062		5/8" OD	1.50" (38mm)
723075		3/4" OD	1.62" (41mm)
723087		7/8" OD	1.75" (44mm)
723100		1" OD	1.87" (47mm)
723112		1-1/8" OD	2.00" (51mm)
723137		1-3/8" OD	2.25" (57mm)
723162		1-5/8" OD	2.50" (64mm)
723212	2-1/8" OD	3.00" (76mm)	
724025	1/2"	1/4" OD	1.12" (28mm)
724037		3/8" OD	1.50" (38mm)
724050		1/2" OD	1.62" (41mm)
724062		5/8" OD	1.75" (44mm)
724075		3/4" OD	1.87" (47mm)
724087		7/8" OD	2.00" (51mm)
724100		1" OD	2.12" (54mm)
724112		1-1/8" OD	2.25" (57mm)
724137		1-3/8" OD	2.50" (64mm)
724162		1-5/8" OD	2.75" (70mm)
724212	2-1/8" OD	3.25" (83mm)	
724262	2-5/8" OD	3.75" (95mm)	
724312	3-1/8" OD	4.25" (108mm)	
724362	3-5/8" OD	4.75" (121mm)	
724412	4-1/8" OD	5.25" (133mm)	
726025	3/4"	1/4" OD	1.87" (47mm)
726037		3/8" OD	2.00" (51mm)
726050		1/2" OD	2.12" (54mm)
726062		5/8" OD	2.25" (57mm)
726075		3/4" OD	2.37" (60mm)
726087		7/8" OD	2.50" (64mm)
726112		1-1/8" OD	2.75" (70mm)
726137		1-3/8" OD	3.00" (76mm)
726162		1-5/8" OD	3.25" (83mm)
726212		2-1/8" OD	3.75" (95mm)
726262	2-5/8" OD	4.25" (108mm)	
726312	3-1/8" OD	4.75" (121mm)	
726362	3-5/8" OD	5.25" (133mm)	
726412	4-1/8" OD	5.75" (146mm)	

Part No.	Insulation Wall Thickness	Copper Tube O.D.	C Overall Width
728025	1"	1/4" OD	2.37" (60mm)
728031		5/16" OD	2.43" (62mm)
728037		3/8" OD	2.50" (64mm)
728050		1/2" OD	2.62" (67mm)
728062		5/8" OD	2.75" (70mm)
728075		3/4" OD	2.87" (73mm)
728087		7/8" OD	3.00" (76mm)
728112		1-1/8" OD	3.25" (83mm)
728137		1-3/8" OD	3.50" (89mm)
728162		1-5/8" OD	3.75" (95mm)
728212	2-1/8" OD	4.25" (108mm)	
728262	2-5/8" OD	4.75" (121mm)	
728312	3-1/8" OD	5.25" (133mm)	
728362	3-5/8" OD	5.75" (146mm)	
728412	4-1/8" OD	6.25" (159mm)	
729031	1-1/2"	5/16" OD	3.43" (87mm)
729037		3/8" OD	3.50" (89mm)
729050		1/2" OD	3.62" (92mm)
729062		5/8" OD	3.75" (95mm)
729087		7/8" OD	4.00" (102mm)
729112		1-1/8" OD	4.25" (108mm)
729137		1-3/8" OD	4.50" (114mm)
729162		1-5/8" OD	4.75" (121mm)
729212		2-1/8" OD	5.25" (133mm)
729262		2-5/8" OD	5.75" (146mm)
729312	3-1/8" OD	6.25" (159mm)	
729412	3-5/8" OD	7.25" (184mm)	



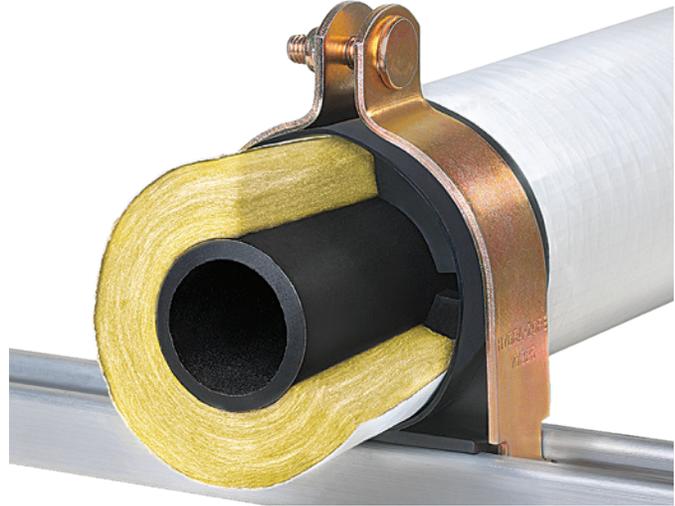
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### 8-Series Strut Mount For use with Elastomeric Insulation.



Part No.	Insulation Wall Thickness - A	B Tube O.D.	C Overall Width
824050	1/2"	1/2" OD	1.62" (41mm)
824062		5/8" OD	1.75" (44mm)
824087		7/8" OD	2.00" (51mm)
824112		1-1/8" OD	2.25" (57mm)
824137		1-3/8" OD	2.50" (64mm)
824162		1-5/8" OD	2.75" (70mm)
824212	3/4"	2-1/8" OD	3.25" (83mm)
826062		5/8" OD	2.25" (57mm)
826087		7/8" OD	2.50" (64mm)
826112		1-1/8" OD	2.75" (70mm)
826137	1"	1-3/8" OD	3.00" (76mm)
828087		7/8" OD	3.00" (76mm)
828112		1-1/8" OD	3.25" (83mm)
828137		1-3/8" OD	3.50" (89mm)
828162		1-5/8" OD	3.75" (95mm)
828212		2-1/8" OD	4.25" (108mm)
828262	2-5/8" OD	4.75" (121mm)	

### 9-Series Strut Mount For use with Fiberglass Insulation.



### 9-Series for Iron Pipe

Part No.	Insulation Wall Thickness	Iron Pipe O.D.	C Overall Width
924084	1/2"	1/2" OD	0.840
924105		3/4" OD	1.050
924131		1" OD	1.315
924166		1-1/4" OD	1.660
924190		1-1/2" OD	1.900
928084	1"	1/2" OD	0.840
928105		3/4" OD	1.050
928131		1" OD	1.315
928166		1-1/4" OD	1.660
928190		1-1/2" OD	1.900
928237		2" OD	2.375
928287		2-1/2" OD	2.875
928350		3" OD	3.500
928362		3-5/8" OD	3.625
928412		4-1/8" OD	4.125
928512	5-1/8" OD	5.125	
929084	1-1/2"	1/2" OD	0.840
929105		3/4" OD	1.050
929131		1" OD	1.315
929166		1-1/4" OD	1.660
929190		1-1/2" OD	1.900
929262		2-5/8" OD	3.625
929312		3-1/8" OD	4.125
929350		3" OD	3.500
929362		3-5/8" OD	3.625
929412		4-1/8" OD	4.125
922212	2"	2-1/8" OD	2.125
922262		2-5/8" OD	2.625
922312		3-1/8" OD	3.125
922362		3-5/8" OD	3.625



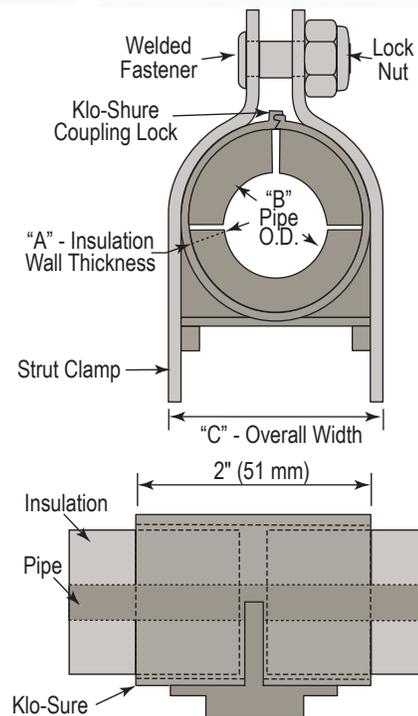
# Klo-Shure® Insulation Couplings

## 9-Series for Fiberglass Insulation



### 9-Series for Copper Tube

Part No.	Insulation Wall Thickness	Copper Tube O.D.	C Overall Width
924062	1/2"	5/8" OD	1.79" (45mm)
924087		7/8" OD	2.03" (51mm)
924112		1-1/8" OD	2.29" (58mm)
924137		1-3/8" OD	2.50" (64mm)
924162		1-5/8" OD	2.85" (72mm)
924212		2-1/8" OD	3.29" (83mm)
928062	1"	5/8" OD	3.01" (76mm)
928087		7/8" OD	3.01" (76mm)
928112		1-1/8" OD	3.01" (76mm)
928137		1-3/8" OD	3.64" (92mm)
928162		1-5/8" OD	3.64" (92mm)
928212		2-1/8" OD	4.14" (105mm)
928262		2-5/8" OD	4.65" (118mm)
928312		3-1/8" OD	5.14" (131mm)
928362		3-5/8" OD	5.69" (145mm)
928412		4-1/8" OD	6.87" (174mm)
928512		5-1/8" OD	7.87" (200mm)
929087		1-1/2"	7/8" OD
929112	1-1/8" OD		4.14" (105mm)
929137	1-3/8" OD		4.65" (118mm)
929162	1-5/8" OD		5.14" (131mm)
929212	2-1/8" OD		5.14" (131mm)
929262	2-5/8" OD		5.69" (145mm)
929312	2"	3-1/8" OD	6.87" (174mm)
929362		3-5/8" OD	6.87" (174mm)
929412	2"	4-1/8" OD	7.87" (200mm)
922062		5/8" OD	4.65" (118mm)
922087		7/8" OD	5.14" (131mm)
922112		1-1/8" OD	5.14" (131mm)
922137		1-3/8" OD	5.7" (145mm)
922162		1-5/8" OD	5.7" (145mm)
922212		2-1/8" OD	6.87" (174mm)
922262		2-5/8" OD	6.87" (174mm)
922312		3-1/8" OD	7.87" (200mm)
922362		3-5/8" OD	7.87" (200mm)
922412		4-1/8" OD	8.87" (225mm)



### 9-Series for Metric Pipe

Part No.	Insulation Wall Thickness	Metric Pipe	C Overall Width	
928M25	1"	25mm	0.98" 3.01 (76mm)	
928M32		32mm	1.26" 3.64 (92mm)	
928M40		40mm	1.57" 3.64 (92mm)	
928M50		50mm	1.97" 4.14 (105mm)	
928M63		63mm	2.48" 4.64 (118mm)	
928M75		75mm	2.95" 5.14 (131mm)	
928M90		90mm	3.54" 5.75 (146mm)	
928M110		110mm	4.33" 6.87 (174mm)	
929M25		1-1/2"	25mm	0.98" 4.13 (105mm)
929M32			32mm	1.26" 4.63 (118mm)
929M40	40mm		1.57" 5.14 (131mm)	
929M50	50mm		1.97" 5.14 (131mm)	
929M63	63mm		2.48" 5.69 (145mm)	
929M75	75mm		2.95" 6.87 (174mm)	
929M90	90mm		3.54" 6.87 (174mm)	



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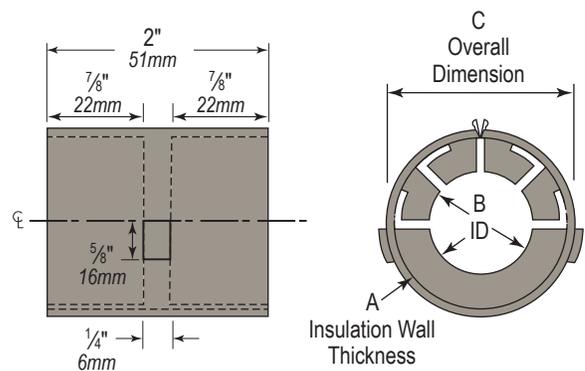
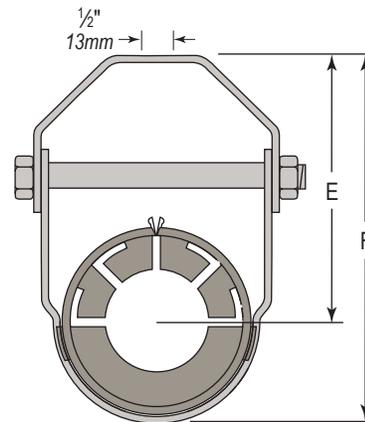
Technical Data

Klo-Shure Clevis Hanger System includes clevis hanger, plastic coupling and fastening clip.



Part No.	Insulation Wall Thickness	Pipe O.D.	Dimensions (inches)			
			C	E	F	
703025*	3/8"	1/4" OD	1.12 (28mm)	-	-	
703037*		3/8" OD	1.25 (32mm)	-	-	
703050*		1/2" OD	1.37 (35mm)	-	-	
703062*		5/8" OD	1.50 (38mm)	-	-	
703075*		3/4" OD	1.62 (41mm)	-	-	
703087		7/8" OD	1.75 (44mm)	3-3/8" (86mm)	4-3/8" (111mm)	
703100		1" OD	1.87 (47mm)	3-7/16" (87mm)	4-1/2" (114mm)	
703112		1-1/8" OD	2.00 (51mm)	3-1/2" (89mm)	4-5/8" (118mm)	
703137		1-3/8" OD	2.25 (57mm)	3-13/16" (97mm)	5" (127mm)	
703162		1-5/8" OD	2.50 (64mm)	4" (102mm)	5-1/2" (140mm)	
703212		2-1/8" OD	3.00 (76mm)	4-3/4" (121mm)	6-1/2" (165mm)	
704037*		1/2"	3/8" OD	1.50 (38mm)	--	--
704050*			1/2" OD	1.62 (41mm)	--	--
704062	5/8" OD		1.75 (44mm)	3-3/8" (86mm)	4-3/8" (111mm)	
704075	3/4" OD		1.87 (47mm)	3-7/16" (87mm)	4-1/2" (114mm)	
704087	7/8" OD		2.00 (51mm)	3-1/2" (89mm)	4-5/8" (118mm)	
704100	1" OD		2.12 (54mm)	3-5/8" (92mm)	4-7/8" (124mm)	
704112	1-1/8" OD		2.25 (57mm)	3-13/16" (97mm)	5" (127mm)	
704137	1-3/8" OD		2.50 (64mm)	4" (102mm)	5-1/2" (140mm)	
704162	1-5/8" OD		2.75 (70mm)	4-3/8" (111mm)	5-7/8" (149mm)	
704212	2-1/8" OD		3.25 (83mm)	5-1/8" (130mm)	6-7/8" (175mm)	
704262	2-5/8" OD		3.75 (95mm)	5-5/8" (143mm)	7-5/8" (194mm)	
704312	3-1/8" OD		4.25 (108mm)	6-7/16" (164mm)	8-3/4" (222mm)	
704362	3-5/8" OD		4.75 (121mm)	6-7/8" (175mm)	9-3/8" (238mm)	
704412	4-1/8" OD		5.25 (133mm)	7-1/2" (191mm)	10-1/8" (257mm)	
706025	3/4"		1/4" OD	1.87 (47mm)	3-7/16" (87mm)	4-1/2" (114mm)
706037			3/8" OD	2.00 (51mm)	3-1/2" (89mm)	4-5/8" (118mm)
706050		1/2" OD	2.12 (54mm)	3-5/8" (92mm)	4-7/8" (124mm)	
706062		5/8" OD	2.25 (57mm)	3-13/16" (97mm)	5" (127mm)	
706075		3/4" OD	2.37 (60mm)	3-15/16" (100mm)	5-1/4" (133mm)	
706087		7/8" OD	2.50 (64mm)	4" (102mm)	5-1/2" (140mm)	
706112		1-1/8" OD	2.75 (70mm)	4-3/8" (111mm)	5-7/8" (149mm)	
706137		1-3/8" OD	3.00 (76mm)	4-3/4" (121mm)	6-1/2" (165mm)	
706162		1-5/8" OD	3.25 (83mm)	5-1/8" (130mm)	6-7/8" (175mm)	
706212		2-1/8" OD	3.75 (95mm)	5-5/8" (143mm)	7-5/8" (194mm)	
706262		2-5/8" OD	4.25 (108mm)	6-7/16" (164mm)	8-3/4" (222mm)	
706312		3-1/8" OD	4.75 (121mm)	6-7/8" (175mm)	9-3/8" (238mm)	
706362		3-5/8" OD	5.25 (133mm)	7-1/2" (191mm)	10-1/8" (257mm)	
706412		4-1/8" OD	5.75 (146mm)	7-7/8" (181mm)	10-3/4" (273mm)	
708062		1"	5/8" OD	2.75 (70mm)	4-3/8" (111mm)	5-7/8" (149mm)
708087			7/8" OD	3.00 (76mm)	4-3/4" (121mm)	6-1/2" (165mm)
708112	1-1/8" OD		3.25 (83mm)	5-1/8" (130mm)	6-7/8" (175mm)	
708137	1-3/8" OD		3.50 (89mm)	5-3/8" (137mm)	7-1/4" (184mm)	
708162	1-5/8" OD		3.75 (95mm)	5-5/8" (143mm)	7-5/8" (194mm)	
708212	2-1/8" OD		4.25 (108mm)	6-7/16" (164mm)	8-3/4" (222mm)	
708262	2-5/8" OD		4.75 (121mm)	6-7/8" (175mm)	9-3/8" (238mm)	
708312	3-1/8" OD		5.25 (133mm)	7-1/2" (191mm)	10-1/8" (257mm)	
708362	3-5/8" OD		5.75 (146mm)	7-7/8" (181mm)	10-3/4" (273mm)	

Note: \*Part number includes plastic coupling only. All metal parts have Tri-Valent plating.



Coupling "C" Dimension	Material size	Cross Bolt Size	Max Recommended Loads Lbs
2.12" to 3.25"	14 gauge x 1.25	5/16"	250 (1.11 kN)
3.50" to 5.75"	12 gauge x 1.25	5/16"	350 (1.156 kN)



## Cush-A-Claw®



Strut Mounted

Insert	Twist & Lock	Position Pipe	Snap In



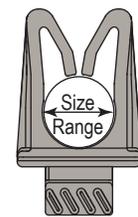
Surface Mounted

Position	Mount w/Screw	Position Pipe	Snap In
Side grooves provide Centering guide	Counter-sunk hole allows tightening of any type of #10 fastener		

The **Cush-A-Claw** Grabs on to your Tube, Pipe, or Hose and holds it in place. The unique one piece patented design allows for quick, simple, and easy installation. It will not rust because it's molded from the same choice TPE Material of some of our other products that you've come to know and trust.

- Easy Snap-in Installation of Tube, Pipe, or Hose
- Sure Grip Strut Base easily rotates into strut
- Will not rust
- Non Conducting
- Saves Time and Money
- Temp Range: -50° to 275° F (-45°C to 135°C)
- Works Great Indoors or Outdoors
- Seven Sizes of Tube and Three Sizes of EMT
- Designed for Light Duty Loads and Applications
- Prevents Galvanic Corrosion of Dissimilar Metals
- An Excellent Alternative to Steel, Stainless Steel, or Galvanized Clamps.

O.D. Tube Size			EMTS Conduit Sizes		
Strut Mount Part #	Surface Mount Part #.	Size O.D.	Strut Mount Part #	Surface Mount Part #.	Size O.D.
CL-04	CLS-04	1/4" (6mm)	EMT-1/2	EMTS-1/2	1/2" (18mm)
CL-06	CLS-06	3/8" (10mm)	EMT-3/4	EMTS-3/4	3/4" (23mm)
CL-08	CLS-08	1/2" (13mm)	EMT-1	EMTS-1	1" (30mm)
CL-10	CLS-10	5/8" (16mm)			
CL-12	CLS-12	3/4" (19mm)			
CL-14	CLS-14	7/8" (22mm)			
CL-18	CLS-18	1 1/8" (29mm)			



75 Lbs. Load  
(Safety Factor: 3)



Cush-A-Claw® is manufactured under U.S. patent #D631739, #D679177, and European Community patent #0011520030001, #0011520030002, #0011520030003, #0011520030004, #0011520030005, #0011520030006, #0011520030007



**Omega Series™**

The Omega Series™ clamp assembly retains, guides, protects, and uniformly spaces line runs. Attached with two standard fasteners to any flat surface, the Omega Series™ clamp eliminates the use of special channels, providing a savings in both space and cost. They go up fast, lines are rigid, and look neat.

**THE CLAMP** — Steel with gold electro-dichromate finish, or stainless steel type 304.

**THE CUSHION** — Manufactured from a thermoplastic elastomer, it's built tough to withstand the effects of most oils, chemicals and industrial cleaning compounds. Interlock edge ensures that the cushion remains in place.



Stainless Steel



Assembly consists of clamp and thermoplastic elastomer cushion. Fasteners not included.



Stainless Steel



Gold Electro-Galvanized Steel

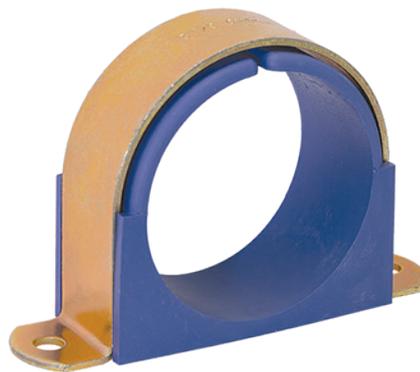
**Standard**

**Extreme Temp (HT)**

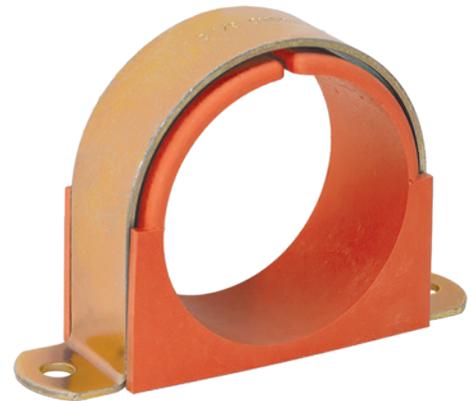
**High Intensity Temp (HIT)**



-50°F to 275°F  
(-45°C to 135°C)



-65°F to 340°F  
(-53°C to 170°C)

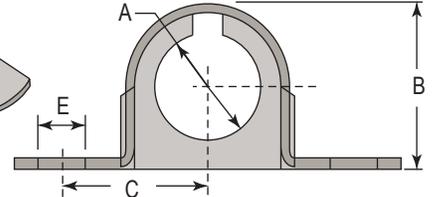
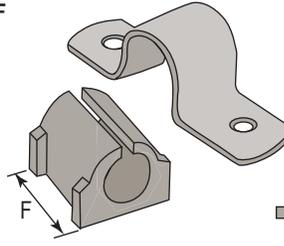


-65°F to 400°F  
(-53°C to 204°C)

**Standard**  
-50°F to 275°F  
(-45°C to 135°C)

**Extreme Temp (HT)**  
-65°F to 340°F  
(-53°C to 170°C)

**High Intensity Temp (HIT)**  
-65°F to 400°F  
(-53°C to 204°C)



Steel - Part No.			Copper & Steel Tubing O.D.	Copper Water Pipe (Nom.)	Pipe Size (Nom.)	Dimensions (inches)					Hanging Design Load
Standard Black	Extreme Blue	High Intensity Temp				A	B	C	E	F	
004M007	HT004M007	HIT004M007	1/4"	-	-	0.25" (6mm)	0.48" (12mm)	0.60" (15mm)	0.26" (7mm)	0.78"	50 (0.22 kN)
006M008	HT006M008	HIT006M008	3/8"	1/4"	-	0.37" (9mm)	0.62" (16mm)	0.66" (17mm)		0.81"	
008M011	HT008M011	HIT008M011	1/2"	3/8"	1/4"	0.50" (13mm)	0.81" (21mm)	0.83" (21mm)		0.98" (25mm)	
010M013	HT010M013	HIT010M013	5/8"	1/2"	3/8"	0.62" (16mm)	0.93" (24mm)	0.85" (22mm)			
012M015	HT012M015	HIT012M015	3/4"	5/8"	-	0.75" (19mm)	1.02" (26mm)	0.90" (23mm)			
014M017	HT014M017	HIT014M017	7/8"	3/4"	1/2"	0.87" (22mm)	1.12" (28mm)	1.03" (26mm)			
016M019	HT016M019	HIT016M019	1"	-	-	1.00" (25mm)	1.24" (31mm)	1.04" (26mm)			
018M020	HT018M020	HIT018M020	-	-	3/4"	1.05" (27mm)	1.40" (36mm)	1.11" (28mm)			
018M021	HT018M021	HIT018M021	1-1/8"	1"	-	1.12" (28mm)	1.40" (36mm)	1.17" (30mm)			
020M024	HT020M024	HIT020M024	1-1/4"	-	-	1.25" (32mm)	1.60" (41mm)	1.20" (30mm)			
021M026	HT021M026	HIT021M026	-	-	1"	1.31" (33mm)	1.71" (43mm)	1.28" (33mm)			
022M026	HT022M026	HIT022M026	1-3/8"	1-1/4"	-	1.37" (35mm)	1.71" (43mm)	1.28" (33mm)			
024M028	HT024M028	HIT024M028	1-1/2"	-	-	1.50" (38mm)	1.85" (47mm)	1.36" (35mm)			
026M030	HT026M030	HIT026M030	1-5/8"	1-1/2"	-	1.62" (41mm)	1.98" (50mm)	1.43" (36mm)			
027M032	HT027M032	HIT027M032	-	-	1-1/4"	1.66" (42mm)	2.12" (54mm)	1.55" (39mm)			
028M032	HT028M032	HIT028M032	1-3/4"	-	-	1.75" (44mm)	2.12" (54mm)	1.55" (39mm)			
030M034	HT030M034	HIT030M034	1-7/8"	-	1-1/2"	1.87" (47mm)	2.25" (57mm)	1.64" (42mm)			
032M036	HT032M036	HIT032M036	2"	-	-	2.00" (51mm)	2.38" (60mm)	1.69" (43mm)			
034M040	HT034M040	HIT034M040	2-1/8"	-	-	2.12" (54mm)	2.62" (67mm)	1.86" (47mm)			
038M044	HT038M044	HIT038M044	2-3/8"	-	2"	2.37" (60mm)	2.88" (73mm)	1.94" (49mm)			
040M046	HT040M046	HIT040M046	2-1/2"	-	-	2.50" (64mm)	3.00" (76mm)	2.00" (51mm)			
042M048	HT042M048	HIT042M048	2-5/8"	2-1/2"	-	2.62" (67mm)	3.13" (80mm)	2.07" (53mm)			
046M052	HT046M052	HIT046M052	2-7/8"	-	2-1/2"	2.87" (73mm)	3.38" (86mm)	2.19" (56mm)			
050M056	HT050M056	HIT050M056	3-1/8"	3"	-	3.12" (79mm)	3.68" (93mm)	2.32" (59mm)			
056M062	HT056M062	HIT056M062	3-1/2"	-	3"	3.50" (89mm)	4.06" (103mm)	2.50" (64mm)			
058M064	HT058M064	HIT058M064	3-5/8"	3-1/2"	-	3.62" (92mm)	4.19" (106mm)	2.57" (65mm)			
064M072	HT064M072	HIT064M072	4"	-	3-1/2"	4.00" (102mm)	4.68" (119mm)	2.82" (72mm)			
066M074	HT066M074	HIT066M074	4-1/8"	4"	-	4.12" (105mm)	4.84" (123mm)	3.05" (77mm)			
072M080	HT072M080	HIT072M080	4-1/2"	-	4"	4.50" (114mm)	5.22" (133mm)	3.24" (82mm)			
082M090	HT082M090	HIT082M090	5-1/8"	5"	-	5.12" (130mm)	5.82" (148mm)	3.55" (90mm)			
089M096	HT089M096	HIT089M096	-	-	5"	5.56" (141mm)	6.31" (160mm)	4.00" (102mm)			
098M106	HT098M106	HIT098M106	6-1/8"	6"	-	6.12" (155mm)	6.90" (175mm)	4.31" (109mm)			
106M114	HT106M114	HIT106M114	-	-	6"	6.62" (168mm)	7.39" (188mm)	4.56" (116mm)			
PART NO. SUFFIX			Cushions			Example					
CHANGE "M" IN PART NUMBER TO 'MS'			Thermoplastic elastomer			004M007 (STEEL) - 004MS007 (STAINLESS STEEL)					
N	-		Flame Retardant			004M007N (STEEL) - 004MS007N (STAINLESS STEEL)					
NH	-		Flame Retardant Halogen Free			004M007NH (STEEL) - 004MS007NH (STAINLESS STEEL)					

Note: Fasteners not included.



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Fiberglass System  
Technical Data

### Alpha Series™



Designed for the tough jobs, the **Alpha Series™** U-Bolt Assembly secures pipe runs to any flat surface. The cushion design provides total load distribution, allowing the U-Bolt to become a full contact hanger, eliminating knife-edge loading. The U-Bolt traps and secures the cushion in place to prevent lateral movement, while nylon insert lock nuts provide a positive lock.

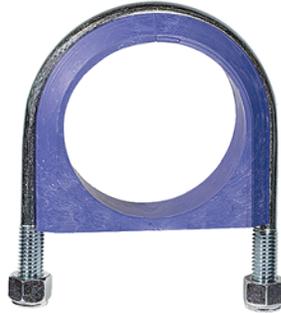
**Alpha Series™** U-Bolt Assembly conforms to MIL-S-901D for shock testing.

#### Standard



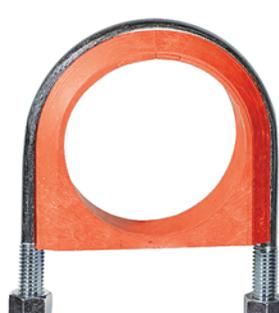
**-50°F to 275°F**  
(-45°C to 135°C)

#### Extreme Temp (HT)

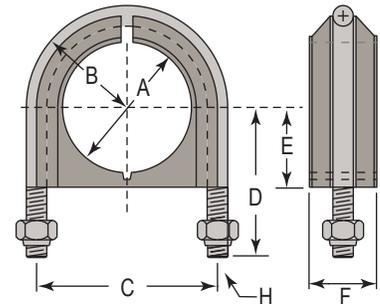


**-65°F to 340°F**  
(-53°C to 170°C)

#### High Intensity Temp (HIT)



**-65°F to 400°F**  
(-53°C to 204°C)



½" thru 6" assembly

Assembly Part No.			Tube Size (O.D.)	Dimensions (Inches)						H Bolt Size	Torque	Design Load Lbs. (kN)	Slip Thru
Standard Black	Extreme Blue	High Intensity Temp		A Dia.	B Radius	C	D	E	F				
UB7/8TA	HTUB7/8TA	HITUB7/8TA	7/8"	0.875" (22mm)	0.80" (20mm)	1.60" (41mm)	1.50" (38mm)	0.67" (17mm)	0.68" (17mm)	1/4"-20 UNC-2B	100	485 (2.16 kN)	500
UB1TA	HTUB1TA	HITUB1TA	1"	1.00" (25mm)	0.90" (23mm)	1.80" (46mm)	1.60" (41mm)	0.78" (20mm)	0.68" (17mm)	1/4"-20 UNC-2B			500
UB11/4TA	HTUB1-1/4TA	HITUB1-1/4TA	1-1/4"	1.25" (32mm)	1.02" (26mm)	2.05" (52mm)	1.70" (43mm)	0.91" (23mm)	0.68" (17mm)	1/4"-20 UNC-2B			500
UB13/8TA	HTUB1-3/8TA	HITUB1-3/8TA	1-3/8"	1.375" (35mm)	1.02" (26mm)	2.05" (52mm)	1.70" (43mm)	0.91" (23mm)	0.68" (17mm)	1/4"-20 UNC-2B			500
UB2TA	HTUB2TA	HITUB2TA	2"	2.00" (51mm)	1.40" (36mm)	2.80" (71mm)	2.20" (56mm)	1.19" (30mm)	1.24" (31mm)	3/8"-16 UNC-2B	150	1,220 (5.43 kN)	500
UB3TA	HTUB3TA	HITUB3TA	3"	3.00" (76mm)	1.95" (50mm)	3.90" (99mm)	3.00" (76mm)	1.69" (43mm)	1.24" (31mm)	1/2"-13 UNC-2B	200	2,260 (10.05 kN)	500
UB4TA	HTUB4TA	HITUB4TA	4"	4.00" (102mm)	2.52" (64mm)	5.05" (128mm)	3.70" (94mm)	2.25" (57mm)	1.24" (31mm)	1/2"-13 UNC-2B			500
UB5TA	HTUB5TA	HITUB5TA	5"	5.00" (127mm)	3.25" (83mm)	6.56" (167mm)	4.50" (114mm)	3.03" (77mm)	1.24" (31mm)	1/2"-13 UNC-2B			500
UB6TA	HTUB6TA	HITUB6TA	6"	6.00" (152mm)	3.87" (98mm)	7.75" (197mm)	5.40" (137mm)	3.56" (90mm)	1.44" (37mm)	5/8"-11 UNC-2B	250	3,620 (16.10 kN)	500
▼ SUFFIX			Clamp	Cushion						Example			
NONE			Electro-galvanized	Thermoplastic elastomer						UB½PA			
6			Stainless Steel, Type 316	Thermoplastic elastomer						UB½PA6			
N6	-	-	Stainless Steel, Type 316	Flame Retardant						UB½PAN6			
N	-	-	Electro-galvanized							UB½PAN			
NH	-	-	Electro-galvanized	Flame Retardant Halogen Free						UB½PANH			
NH6	-	-	Stainless Steel, Type 316							UB½PANH6			



## Pipe Sizes



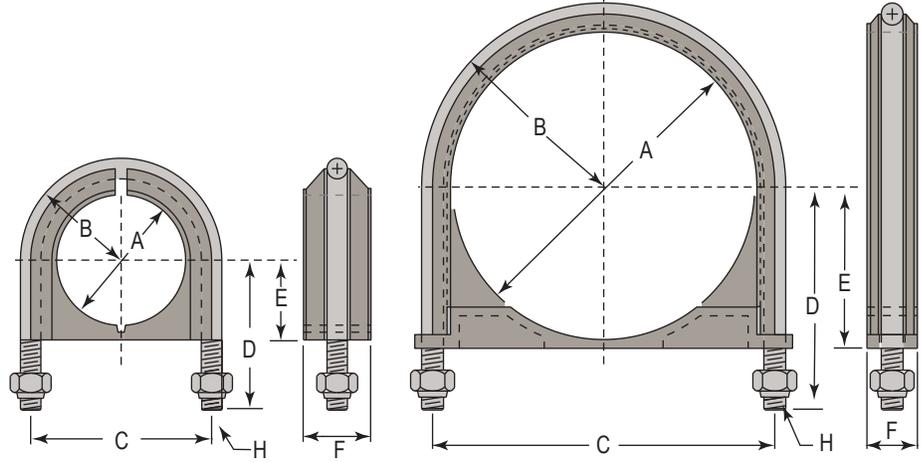
**Standard**  
-50°F to 275°F  
(-45°C to 135°C)



**Extreme Temp (HT)**  
-65°F to 340°F  
(-53°C to 170°C)



**High Intensity Temp (HIT)**  
-65°F to 400°F  
(-53°C to 204°C)



1/2" thru 6" assembly

8" thru 12" assembly – Two piece cushion design

Assembly Part No.			Pipe Size (Nom.)	Dimensions (Inches)							Torque	Design Load Lbs. (kN)	Slip Thru
Standard Black	Extreme Blue	High Intensity Temp		A Dia.	B Radius	C	D	E	F	H			
UB1/2PA	HTUB1/2PA	HITUB1/2PA	1/2"	0.840" (21mm)	0.80" (20mm)	1.60 (41mm)	1.50" (38mm)	0.67" (17mm)	0.68" (17mm)	1/4"-20 UNC-2B	100	485 (2.16 kN)	500
UB3/4PA	HTUB3/4PA	HITUB3/4PA	3/4"	1.05" (27mm)	0.90" (23mm)	1.80 (46mm)	1.60" (41mm)	0.78" (20mm)	0.68" (17mm)	1/4"-20 UNC-2B			500
UB1PA	HTUB1PA	HITUB1PA	1"	1.31" (33mm)	1.02" (26mm)	2.05 (52mm)	1.70" (43mm)	0.91" (23mm)	0.68" (17mm)	1/4"-20 UNC-2B			500
UB1-1/4PA	HTUB1-1/4PA	HITUB1-1/4PA	1-1/4"	1.66" (42mm)	1.27" (32mm)	2.55 (65mm)	2.10" (53mm)	1.08" (27mm)	1.24" (31mm)	3/8"-16 UNC-2B	150	1,220 (5.43 kN)	500
UB1-1/2PA	HTUB1-1/2PA	HITUB1-1/2PA	1-1/2"	1.90" (48mm)	1.40" (36mm)	2.80 (71mm)	2.20" (56mm)	1.19" (30mm)	1.24" (31mm)	3/8"-16 UNC-2B			500
UB2PA	HTUB2PA	HITUB2PA	2"	2.37" (60mm)	1.67" (42mm)	3.35 (85mm)	2.50" (64mm)	1.45" (37mm)	1.24" (31mm)	3/8"-16 UNC-2B			500
UB2-1/2PA	HTUB2-1/2PA	HITUB2-1/2PA	2-1/2"	2.87" (73mm)	1.95" (50mm)	3.90 (99mm)	3.00" (76mm)	1.69" (43mm)	1.24" (31mm)	1/2"-13 UNC-2B	200	2,260 (10.05 kN)	500
UB3PA	HTUB3PA	HITUB3PA	3"	3.50" (89mm)	2.27" (58mm)	4.55 (116mm)	3.30" (84mm)	2.00" (51mm)	1.24" (31mm)	1/2"-13 UNC-2B			500
UB3-1/2PA	HTUB3-1/2PA	HITUB3-1/2PA	3-1/2"	4.00" (102mm)	2.52" (64mm)	5.05 (128mm)	3.70" (94mm)	2.25" (57mm)	1.24" (31mm)	1/2"-13 UNC-2B			500
UB4PA	HTUB4PA	HITUB4PA	4"	4.50" (114mm)	2.50" (64mm)	5.50 (140mm)	3.90" (99mm)	2.50" (64mm)	1.24" (31mm)	1/2"-13 UNC-2B	250	3,620 (16.10 kN)	500
UB5PA	HTUB5PA	HITUB5PA	5"	5.56" (141mm)	3.25" (83mm)	6.56 (167mm)	4.50" (114mm)	3.03" (77mm)	1.24" (31mm)	1/2"-13 UNC-2B			500
UB6PA	HTUB6PA	HITUB6PA	6"	6.62" (168mm)	3.87" (98mm)	7.75 (197mm)	5.40" (137mm)	3.56" (90mm)	1.44" (37mm)	5/8"-11 UNC-2B			500
UB8PA	HTUB8PA	HITUB8PA	8"	8.62" (219mm)	4.85" (123mm)	9.82 (249mm)	6.40" (163mm)	4.56" (116mm)	1.44" (37mm)	5/8"-11 UNC-2B	275	5,420 (25.11 kN)	500
UB10PA	HTUB10PA	HITUB10PA	10"	10.75" (273mm)	6.08" (154mm)	12.16 (309mm)	7.70" (196mm)	5.68" (144mm)	1.65" (42mm)	3/4"-10 UNC-2B			500
UB12PA	HTUB12PA	HITUB12PA	12"	12.75" (324mm)	7.13" (181mm)	14.25 (362mm)	8.7" (221mm)	6.68" (170mm)	1.65" (42mm)	3/4"-10 UNC-2B			500
▼ SUFFIX			Clamp		Cushion					Example			
NONE			Electro-galvanized		Thermoplastic elastomer					UB1/2PA			
6			Stainless Steel, Type 316		Thermoplastic elastomer					UB1/2PA6			
N6	-	-	Stainless Steel, Type 316							UB1/2PAN6			
N	-	-	Electro-galvanized							UB1/2PAN			
NH	-	-	Electro-galvanized							UB1/2PANH			
NH6	-	-	Stainless Steel, Type 316							UB1/2PANH6			



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

Rooftop Supports

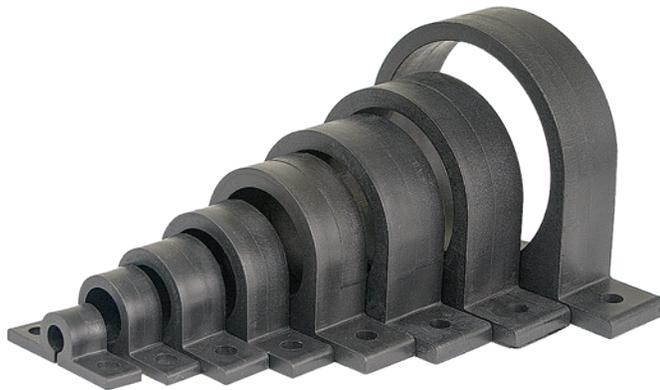
Fiberglass System

Technical Data

## Cush-a-Glide™

Cush-A-Glide is designed for fast installation of copper tube or pipe, and can be easily installed in seconds with fasteners of your choice. Just spread the clamp apart placing it over the top of a tube or pipe and fasten one side. Push in the opposite side to the desired tightness, allowing for expansion and contraction, then fasten the other side.

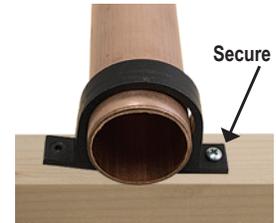
- Allows for expansion and contraction of copper tube and pipe
- Excellent alternative to stainless or galvanized clamps
- Fits tightly and securely against mounting surfaces
- Made from trusted high quality TPE material
- One piece molded split ring design
- Suitable for indoor or outdoor applications
- Temperature range of -50°F to 275°F (-45°C to 135°C)
- Will not rust and prevents and eliminates galvanic corrosion
- Made in the USA



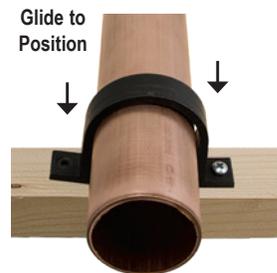
**Step 1:** Spread open Cush-a-Glide, and place it over tube, pipe, or hose



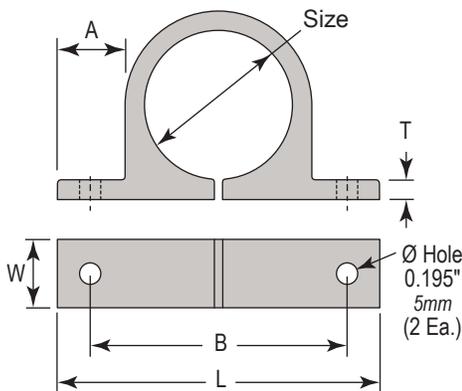
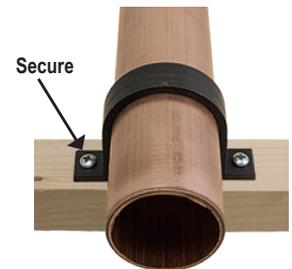
**Step 2:** Secure one side of Cush-a-Glide with a fastener of your choice



**Step 3:** Simply glide tube or pipe through the Cush-a-Glide to desired position



**Step 4:** Fasten second side of the Cush-a-Glide



Part No.	Pipe, Hose or Tube Size	Size	Dimensions – inches				
			A	B	L	T Thickness	W
CAGB04	1/4"	0.245" (6mm)	0.500" (13mm)	1.000" (25mm)	1.465" (37mm)	0.110" (3mm)	0.375" (10mm)
CAGB06	3/8"	0.370" (9mm)		1.125" (29mm)	1.590" (40mm)		
CAGB08	1/2"	0.495" (13mm)		1.250" (32mm)	1.715" (44mm)		
CAGB10	5/8"	0.620" (16mm)	0.563" (14mm)	1.500" (38mm)	2.045" (52mm)	0.150" (4mm)	0.500" (13mm)
CAGB14	7/8"	0.870" (22mm)		1.750" (44mm)	2.295" (58mm)		
CAGB18	1 1/8"	1.120" (28mm)	0.625" (16mm)	2.125" (54mm)	2.730" (69mm)	0.180" (5mm)	0.625" (16mm)
CAGB20	1 1/4"	1.250" (32mm)		2.250" (57mm)	2.855" (73mm)		
CAGB22	1 3/8"	1.370" (35mm)		2.375" (60mm)	2.980" (76mm)		
CAGB26	1 5/8"	1.620" (41mm)		2.625" (67mm)	3.230" (82mm)		
CAGB34	2 1/8"	2.120" (54mm)		3.125" (79mm)	3.730" (95mm)		0.750" (19mm)



## Quick-Clip

**Quick-Clip's** unique one-piece composite polyamide alloy design combines strength with light weight. It will overcome the problems of using cable ties for piping, electrical, optical and network cabling.

- Quick-Clip locates easily on 3/8" rod
- No breaks in insulation material
- Fast and easy installation, saves time and money
- Single handed installation
- Manufactured from a composite polyamide, tested from -40°F to + 275°F, (-40°C to +135°C) makes it ideal for network cables
- Studding panel inserts.



Slide onto threaded rod, twist to engage. Insert pipe and clip to lock.



Part No.	Standard Copper	Metric Copper	Copper Tube		Condensate Drain
	(no insulation)		with 3/8" (10mm) Insulation	with 1/2" (13mm) Insulation	
QC12	3/4"	-	-	-	-
QC14	7/8"	22mm	-	-	yes
QC16	1"	-	1/4" tube	-	-
QC18	1 1/8"	28mm	3/8" tube	-	-
QC20	1 1/4"	-	1/2" tube	1/4" tube	-
QC22	1 3/8"	-	5/8" tube	3/8" tube	yes
QC24	1 1/2"	-	7/8" tube	5/8" tube	-
QC26	1 5/8"	42mm	1 1/8" tube	3/4" tube	yes
QC32	2"	-	-	7/8" tube	-
QC34	2 1/8"	54mm	1 3/8" tube	1 1/8" tube	yes

Inside diameter: Certain clips have two or more positions to accommodate both metric and standard sizes

## Cush-A-Grip

### FEATURES:

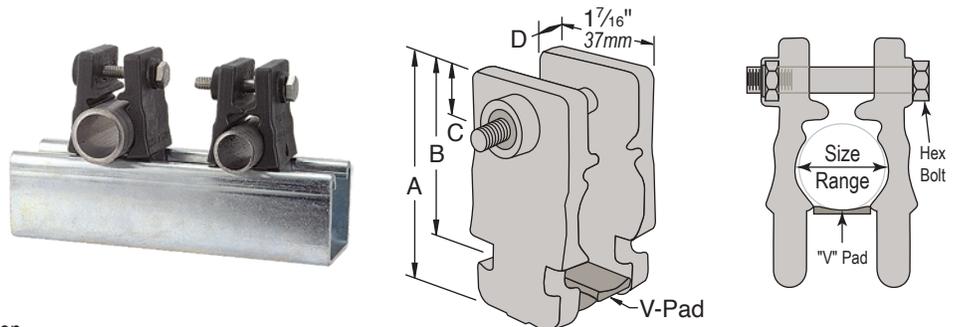
- Ten sizes of tube, five sizes of pipe
- Diameters from .25" to 1.31"

### ADVANTAGES:

- Reduces inventory SKU's
- Simplifies take-offs and requirements on projects using both tube and pipe sizes
- Easy installation, non-conducting
- Permissible outdoors
- Temp. range: -40°F to +380°F (-40°C to 193°C)
- No galvanic reaction, Will not rust

### BENEFITS:

- Lowers overall inventory costs
- Works with screw or nut driver
- Resists vibration
- Use in place of steel clamps with steel tube
- Multi-environmental
- Covers a wide range of applications and maintains thermal barrier
- For use on copper tube
- Use in place of stainless, aluminum, PVC or hot dipped galvanized clamps



Part No.	O.D. Tube Sizes		Pipe Sizes	Metric Sizes	Diameters (in)
CG-10	1/4"	3/8"	1/2"	1/4"	6mm – 14mm
CG-20	5/8"	3/4"	7/8"	3/8" – 1/2"	15mm – 22mm
CG-30	7/8"	1"	1-1/8"	3/4"	22mm – 28mm
CG-40	1"	1-1/8"	1-1/4"	3/4" – 1"	26mm – 32mm

Part No.	Nominal Pipe Size	Dimensions				Hex Head Cap Screw & Lock Nut
		"A"	"B"	"C"	"D"	
CG-10	1/4"	1-15/16" (49mm)	1-3/8" (35mm)	3/8" (10mm)	3/16" (5mm)	1/4"-20 x 1-1/2"
CG-20	3/8"	2-3/8" (60mm)	1-5/8" (41mm)	7/16" (11mm)	1/4" (6mm)	1/4"-20 x 2"
CG-30	1/2"	2-9/16" (65mm)	1-13/16" (46mm)	7/16" (11mm)	5/16" (8mm)	1/4"-20 x 2"
CG-40	3/4"	2-11/16" (68mm)	1-15/16" (49mm)	7/16" (11mm)	5/16" (8mm)	1/4"-20 x 2"

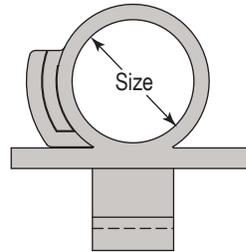


## Cush-A-Clip®



A Simple, Economical, Lightweight Hanger For Supporting Tubing

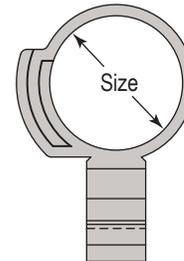
- Manufactured from polyamide alloy
- U.L. Rated
- Sizes from 3/8" to 1 1/8"
- One piece design makes installation a snap.
- No nuts to tighten, no parts to lose.
- Temperatures from -40°F to 275°F (-40°C to 135°C)
- Secure but non-tightening design allows for expansion, greatly reducing joint fractures



Part No.	Tube O.D.
RPC-3/8	3/8" (10mm)
RPC-1/2	1/2" (13mm)
RPC-5/8	5/8" (16mm)
RPC-3/4	3/4" (19mm)
RPC-7/8	7/8" (22mm)
RPC-1-1/8	1-1/8" (29mm)

## Cush-A-Click

The great advantage with the **Cush-A-Click** is it retains an unbroken vapor barrier seal, eliminating the problem of sweating on metal fittings. The Cush-A-Click is ideal for the installation of refrigeration systems allowing the barrier seal to run the length of the pipe work without cutting the insulation material. The Cush-A-Click quickly secures both the pipe and the insulation.



- Time and labor savings
- Simple, secure installation of refrigeration and plumbing pipe work
- No break insulation material
- Corrosion resistance
- Light weight

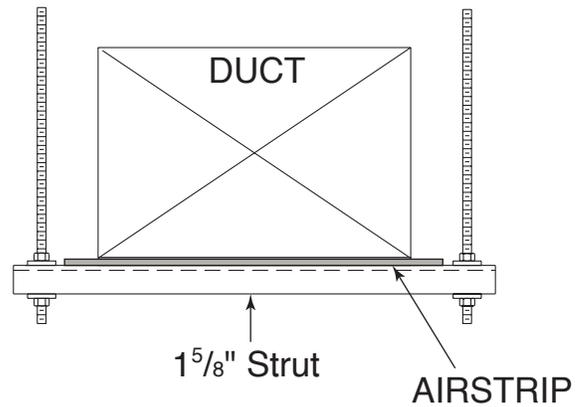


Part No.	Standard Copper	Metric Copper	Copper Tube		Condensate Drain
	(no insulation)		with 3/8" (10mm) Insulation	with 1/2" (13mm) Insulation	
CAC12	3/4"	-	-	-	-
CAC14	7/8"	22mm	-	-	yes
CAC16	1"	-	1/4" tube	-	-
CAC18	1 1/8"	28mm	3/8" tube	-	-
CAC20	1 1/4"	-	1/2" tube	1/4" tube	-
CAC22	1 3/8"	-	5/8" tube	3/8" tube	yes
CAC24	1 1/2"	-	7/8" tube	5/8" tube	-
CAC26	1 5/8"	42mm	1 1/8" tube	3/4" tube	yes
CAC32	2"	-	-	7/8" tube	-
CAC34	2 1/8"	54mm	1 3/8" tube	1 1/8" tube	yes

Inside diameter: Certain clips have two or more positions to accommodate both metric and standard sizes

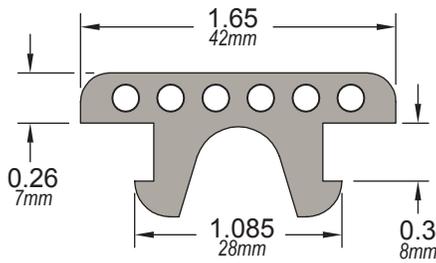


## AIRSTRIP®

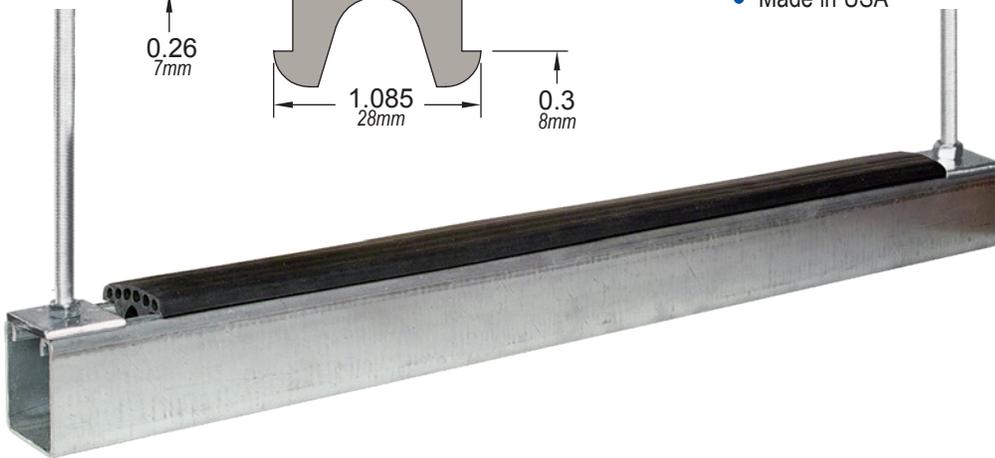


The AIRSTRIP is designed to dampen the noise and vibration that can occur between piping or duct work and the supporting channel. Made from 64 Durometer Santoprene, the AIRSTRIP 1 is light weight, dependable, and long-lasting.

Part No.	Max. Load Lbs. per Lineal In.		Length	
	Lbs.	(kg/25.4mm)	Ft.	(m)
AS1	40	18.1	10	3.05



- Temp Range: -40°F to 250°F (-40°C to 121°C)
- Available in 10' (3m) lengths
- Santoprene UL94HB rated
- Made in USA



Installs simply by pushing into place



To remove, squeeze the tabs at the end and push up



## Cush-A-Strip™

- Manufactured from a thermoplastic elastomer, Cush-A-Strip is designed for use from -50°F to 275°F.
- Easy Stocking – Packaged in 20 foot rolls in an E-Z dispenser box for convenience in handling and storage. **Cush-A-Strip roll part number is S-716**
- Easy Measuring – Marked in ¼" increments for fast measuring and cutting, while eliminating waste.
- Lock-lip edges ensure that Cush-A-Strip will remain in place with a balanced grip.
- Clamps ordered separately. They are available with a standard bolt and nylon lock nut in steel (electro-dichromate), and stainless steel, in sizes ranging from ¼" tube to 6" pipe.



(1) Cut appropriate length strip using the cutting schedule shown on right.



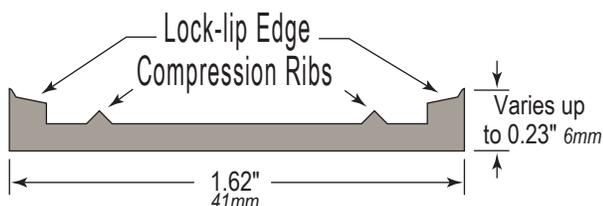
(2) Place the pipe on the Cush-A-Strip



(3) Insert the clamps in the strut



(4) Tighten the clamps.



Cush-A-Strip™ Cutting Guide					
Clamp Part No.		Dimensions (Inches)			
Gold Plated Steel	Stainless Steel Type 304	Clamp Size O.D.	Tube Size O.D.	Pipe Size (Nom.)	Cutting Schedule
TG008C	NS008	1/2"	1/4"	–	7/8" (22mm)
TG010C	NS010	5/8"	3/8"	–	1-1/8" (29mm)
TG012C	NS012	3/4"	1/2"	1/4"	1-1/2" (38mm)
TG014C	NS014	7/8"	5/8"	3/8"	2" (51mm)
TG016C	NS016	1"	3/4"	–	2-1/4" (57mm)
TG018C	NS018	1-1/8"	7/8"	1/2"	3" (76mm)
TG020C	NS020	1-1/4"	1"	3/4"	3-1/4" (83mm)
TG022C	NS022	1-3/8"	1-1/8"	–	3-5/8" (92mm)
TG024C	NS024	1-1/2"	1-3/16"	–	3-7/8" (98mm)
TG024C	NS024	1-1/2"	1-1/4"	1"	4" (102mm)
TG026C	NS026	1-5/8"	1-3/8"	–	4-1/2" (114mm)
NG028C	CS028	1-3/4"	1-1/2"	–	4-7/8" (124mm)
NG030C	CS030	1-7/8"	1-5/8"	1-1/4"	5-1/4" (133mm)
NG032C	CS032	2"	1-3/4"	–	5-1/2" (140mm)
NG034C	CS034	2-1/8"	1-7/8"	1-1/2"	6" (152mm)
NG036C	CS036	2-1/4"	2"	–	6-3/8" (162mm)
NG038C	CS038	2-3/8"	2-1/8"	–	6-3/4" (172mm)
NG040C	CS040	2-1/2"	2-1/4"	–	7-1/4" (184mm)
NG042C	CS042	2-5/8"	2-3/8"	2"	7-1/2" (191mm)
NG044C	CS044	2-3/4"	2-1/2"	–	8" (203mm)
NG048C	CS048	3"	2-3/4"	–	8-3/4" (222mm)
NG050C	CS050	3-1/8"	2-7/8"	2-1/2"	9-1/4" (235mm)
NG054C	CS054	3-1/4"	3"	–	9-1/2" (241mm)
NG060C	CS060	3-3/4"	3-1/2"	3"	11" (279mm)
NG068C	CS068	4-1/4"	4"	3-1/2"	12-1/4" (311mm)
NG076C	CS076	4-3/4"	4-1/2"	4"	14" (356mm)
NG092C	CS092	5-3/4"	–	5"	15-1/2" (394mm)
NG110C	CS110	6-7/8"	–	6"	18-1/2" (470mm)

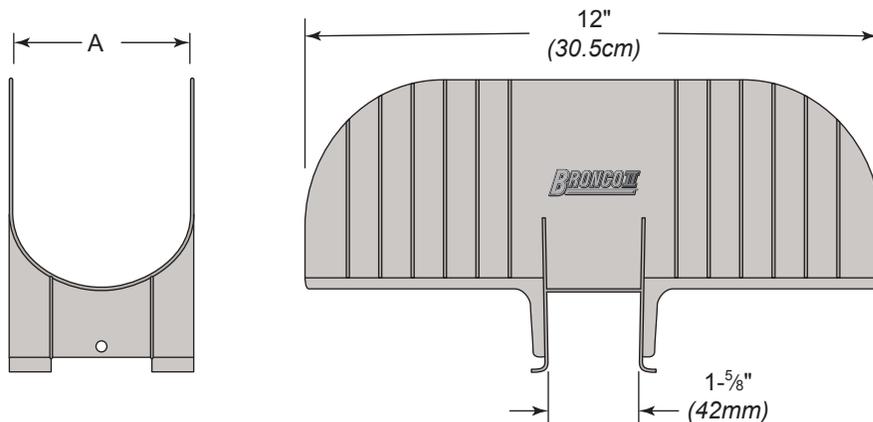
\* Gold Plated Steel Clamps Supplied with Fixed Stud and Nylon Lock Nut  
 \* Stainless Steel Clamps Supplied with fixed Stud and Nylon Lock Nut from 1/2" through 1-3/4" Sizes and 1-7/8" through 6-7/8" Sizes are supplied with a Loose Bolt and Hex Nut





- Universal mounting feature allows secure fit on either side of channel.
- Molded with self-tapping screw location hole
- UL Classified 2043 (25/50) for use in plenums and air handling systems
- Manufactured from high-strength Polypropylene Copolymer
- Extra strength ribbed side walls
- No assembly or tools required
- Enhanced safety lip prevents insulation crushing and tearing from pipe movement
- UV resistant
- Available in black and white to match insulation
- Excellent finished appearance
- Made in the U.S.A.

Part No.		A
Black	White	
<a href="#">225B2S</a>	<a href="#">225W2S</a>	2.25" (57mm)
<a href="#">325B2S</a>	<a href="#">325W2S</a>	3.25" (82mm)
<a href="#">425B2S</a>	<a href="#">425W2S</a>	4.25" (108mm)
<a href="#">525B2S</a>	<a href="#">525W2S</a>	5.25" (133mm)
<a href="#">625B2S</a>	<a href="#">625W2S</a>	6.25" (159mm)
<a href="#">825B2S</a>	<a href="#">825W2S</a>	8.25" (204mm)





Copper Tube Size	Insulation Thickness				
	1/2" (13mm)	3/4" (19mm)	1" (25mm)	1 1/2" (38mm)	2" (50mm)
3/8" (9.5 mm)	225B2S	225B2S	325B2S	425B2S	525B2S
1/2" (13 mm)					
5/8" (16 mm)					
3/4" (19 mm)					
7/8" (22 mm)					
1-1/8" (29 mm)	325B2S	425B2S	425B2S	525B2S	625B2S
1-3/8" (35 mm)					
1-5/8" (41 mm)					
2-1/8" (54 mm)	425B2S	525B2S	525B2S	625B2S	825B2S
2-5/8" (67 mm)					
3-1/8" (79 mm)	525B2S	625B2S	625B2S	825B2S	825B2S
3-5/8" (92 mm)					
4-1/8" (105 mm)	525B2S	625B2S	625B2S	825B2S	825B2S

Available in Black (B) or White (W) to match insulation

Schedule 40/80 Pipe Size	Insulation Thickness				
	1/2" (13mm)	3/4" (19mm)	1" (25mm)	1 1/2" (38mm)	2" (50mm)
1/4" (6.4 mm)	225B2S	225B2S	325B2S	425B2S	525B2S
3/8" (9.5 mm)					
1/2" (13 mm)					
3/4" (19 mm)	325B2S	425B2S	425B2S	525B2S	625B2S
1" (25 mm)					
1-1/4" (31 mm)					
1-1/2" (38 mm)					
2" (50 mm)	425B2S	525B2S	525B2S	625B2S	825B2S
2-1/2" (63 mm)					
3" (75 mm)	525B2S	625B2S	625B2S	825B2S	825B2S
3-1/2" (88 mm)					
4" (100 mm)					

Available in Black (B) or White (W) to match insulation



Its revolutionary design allows for pipe movement within the support, eliminating common problems related to traditional pipe saddles: rotation, displacement and thermal insulation damages.

### Breakthrough Innovation

Snap-a-Saddle Pro™ is designed to accommodate movement of the pipes generated by thermal expansion and vibration. With its unique sliding design at each end, Snap-a-Saddle Pro easily and effectively cradles and protects pipes allowing them to expand and vibrate without damaging their insulation.

Snap-a-Saddle Pro permanently eliminates insulation tears, refrigerant leaks, condensing, and freezing. It holds up to the highest quality standards of the industry.



### Maintains Pipe Insulation Properties

Eliminates displacement and/or failing of pipe support, leading to refrigerant leaks

### Maintains Liquid Line In Place

Eliminates refrigerant leaks

### Fastest Installation In The Industry

60% faster than metal or plastic shields

80% faster than clamps and collars

### Keeps Thermal Bridge Intact

Eliminates insulation compression

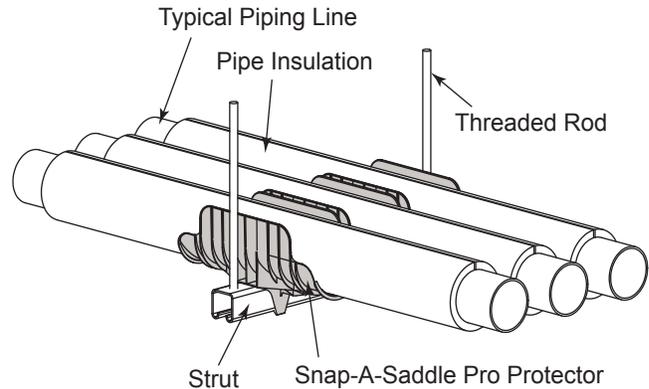
Copper Tube Size	Insulation Thickness				
	1/2" (13mm)	3/4" (19mm)	1" (25mm)	1 1/2" (38mm)	2" (50mm)
1/4" (6.4 mm)	SAS225	SAS225	SAS325	SAS425	SAS525
3/8" (9.5 mm)					
1/2" (13 mm)					
5/8" (16 mm)					
3/4" (19 mm)					
7/8" (22 mm)					
1 1/8" (29 mm)	SAS325	SAS325	SAS425	SAS525	SAS625
1 3/8" (35 mm)					
1 5/8" (41 mm)					
2 1/8" (54 mm)	SAS425	SAS425	SAS525	SAS625	SAS825
2 3/8" (67 mm)					
4 1/8" (105 mm)	SAS525	SAS525	SAS625	SAS825	-
5 1/8" (130 mm)					

Schedule 40/80 Pipe Size	Insulation Thickness				
	1/2" (13mm)	3/4" (19mm)	1" (25mm)	1 1/2" (38mm)	2" (50mm)
1/4" (6.4 mm)	SAS225	SAS225	SAS325	SAS425	SAS525
3/8" (9.5 mm)					
1/2" (13 mm)					
3/4" (19 mm)					
1" (25 mm)					
1 1/4" (31 mm)					
1 1/2" (38 mm)	SAS325	SAS325	SAS425	SAS525	SAS625
2" (50 mm)					
2 1/2" (63 mm)					
3" (75 mm)	SAS425	SAS425	SAS525	SAS625	SAS825
3 1/2" (88 mm)					
4" (100 mm)	SAS525	SAS525	SAS625	SAS825	-
5" (127 mm)					
6" (152 mm)	SAS625	SAS625	-	-	-



### Snap-A-Saddle Pro™

Insulated Pipe Saddle



#### Applications:

Refrigeration, Air Conditioning and Plumbing

#### Installation:

Tool-Free, "Clips" directly on standard 1-5/8" x 1-5/8" (41mm x 41mm) strut channel.

Suited for horizontal pipe installation.

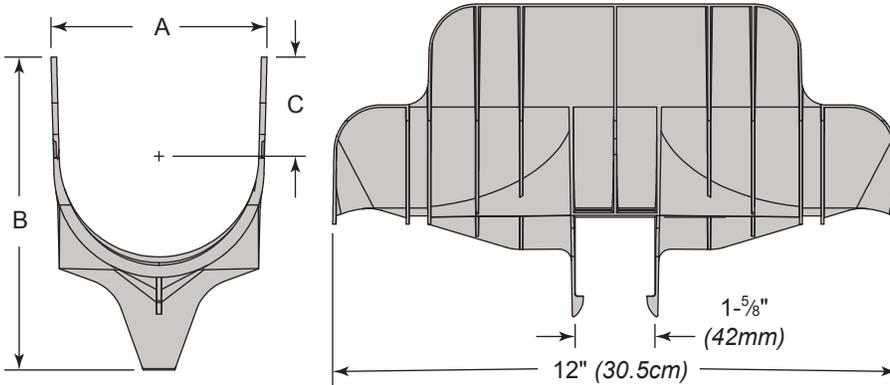
#### Certification:

UL classified for USA (UL-723 (ASTM E 84)) and ULC listed for Canada (ULC-S102.2).

#### Material:

Polypropylene copolymer

- UV resistant
- Operating temperature -40° to 178°F (-40° to 81°C)
- Paintable (preserves mechanical properties even after painting)
- Non-adhesive surface for linear expansion of thermal insulation. SAS825B & SAS825W have 20% glass filled material for additional strength.

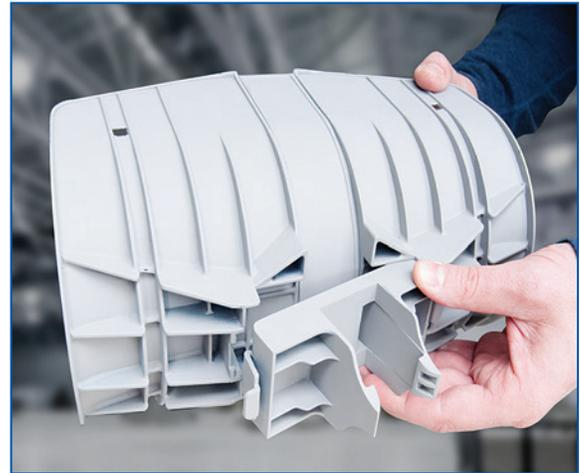


Part No.		A	B	C
Black	White			
SAS225B	SAS225W	2.25" (57mm)	4.56" (116mm)	1.09" (28mm)
SAS325B	SAS325W	3.25" (82mm)	5.57" (140mm)	1.59" (40mm)
SAS425B	SAS425W	4.25" (108mm)	6.59" (167mm)	2.09" (53mm)
SAS525B	SAS525W	5.25" (133mm)	7.57" (192mm)	2.58" (66mm)
SAS625B	SAS625W	6.25" (159mm)	8.57" (218mm)	3.09" (78mm)
SAS825B	SAS825W	8.25" (204mm)	11.04" (280mm)	4.27" (108mm)



## Snap-A-Saddle Pro Multi™ Adapts To Your Needs!

Allows use on various sizes of strut, H-Beam, floor-mount, Clevis and steel angle mountings  
Adapts to different suspension systems, simply by swapping clipping adapters.



### Breakthrough Innovation

Piping installations require different types of suspension systems, which vary in size. This new design adapts to various sizes of strut, H-Beam, floor-mount, clevis hangers, and steel angles. Thanks to the interchangeable bottom adapters, Snap-a-Saddle Pro Multi eliminates the hassle and headaches of compatibility problems you've been dealing with for so long!

### Standardize Your Installation

Snap-a-Saddle Pro Multi™ makes the installer's job easier while standardizing piping installations and improving appearance. Whether you are looking at new or existing installations, the Snap-a-Saddle Pro Multi clip-on adapters will adapt to both the suspension system and the selected size of saddle core.

### One Part Suits Multiple Uses

Simply change adapters

### Fastest Installation In The Industry

40% Faster than metal or plastic shields

80% Faster than clamps and collars

### Keeps Thermal Bridge Intact

Prevents insulation damage and compression

### Tool-Free Installation

One simple click is all it takes

### Maintains Pipe Insulation Properties

Permanent solution to displacement and/or falling of pipe support

### Maintains Liquid Line In Place

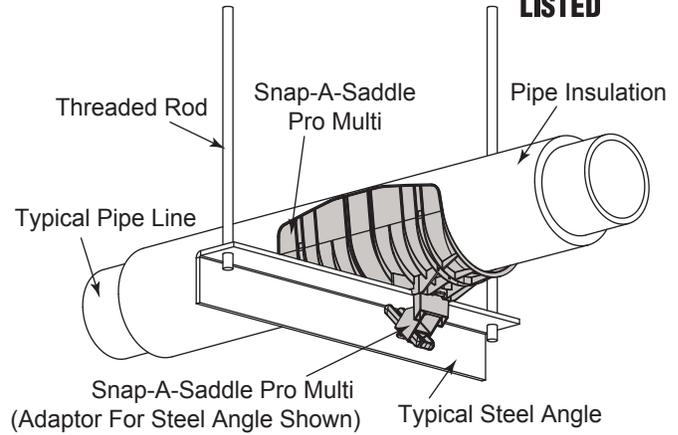
Eliminates refrigerant leaks





### Snap-A-Saddle Pro Multi™

Adaptable Insulated Pipe Saddle



#### Applications:

Plumbing, Mechanical, Refrigeration, and Air Conditioning

#### Installation:

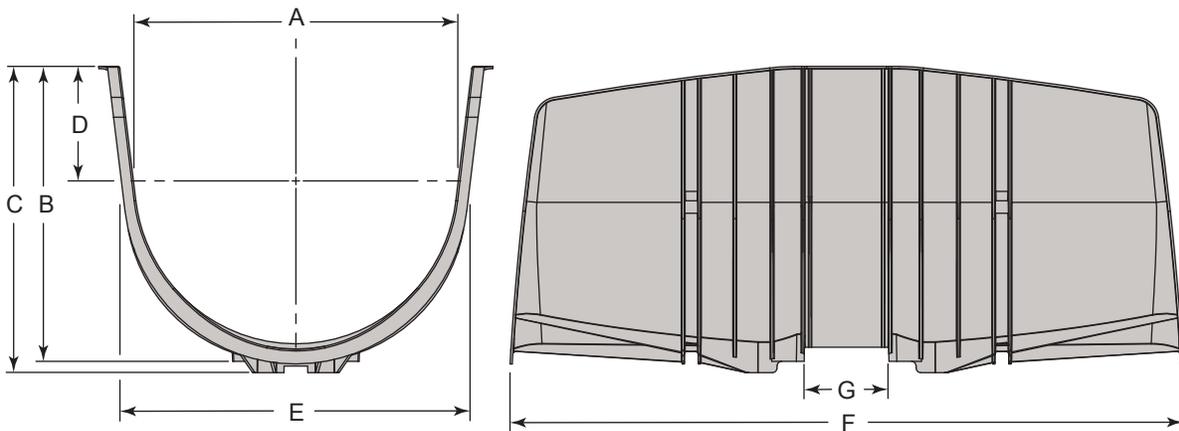
Tool-Free, suited for horizontal pipe installation.

#### Certification:

UL classified for USA (UL-723 (ASTM E 84)) and ULC listed for Canada (ULC-S102.2).

#### Material:

- Polypropylene 20% glass filled
- UV resistant
- Operating temperature -40° to 178°F (-40° to 81°C)
- Paintable (preserves mechanical properties even after painting)
- Non-adhesive surface for linear expansion of thermal insulation.



Part No. Grey	A	B	C	D	E	F Length	G
SASM250G	2.34" (60mm)	1.92" (49mm)	2.33" (59mm)	0.40" (10mm)	2.45" (62mm)	12" (305mm)	1.20" (30mm)
SASM350G	3.45" (88mm)	3.17" (81mm)	3.58" (91mm)	1.09" (28mm)	3.56" (90mm)		1.48" (38mm)
SASM450G	4.50" (114mm)	3.89" (99mm)	4.19" (106mm)	1.17" (30mm)	4.61" (117mm)		1.75" (44mm)
SASM550G	5.56" (140mm)	4.90" (124mm)	5.20" (132mm)	1.66" (42mm)	5.75" (146mm)		1.78" (45mm)
SASM650G	6.46" (165mm)	5.96" (151mm)	6.26" (159mm)	2.18" (55mm)	6.75" (171mm)		2.08" (53mm)
SASM850G	8.65" (219mm)	7.83" (199mm)	8.13" (207mm)	3.04" (77mm)	8.75" (222mm)	18" (457mm)	2.26" (57mm)
SASM1050G	10.65" (271mm)	7.80" (198mm)	8.10" (206mm)	1.76" (45mm)	10.59" (269mm)	23" (584mm)	
SASM1250G	12.65" (321mm)	9.18" (233mm)	9.48" (241mm)	2.14" (54mm)	12.52" (318mm)		

The use of the Stabilizer Adapter with 10" SASM1050G and 12" SASM1250G Saddles is suggested for additional support.

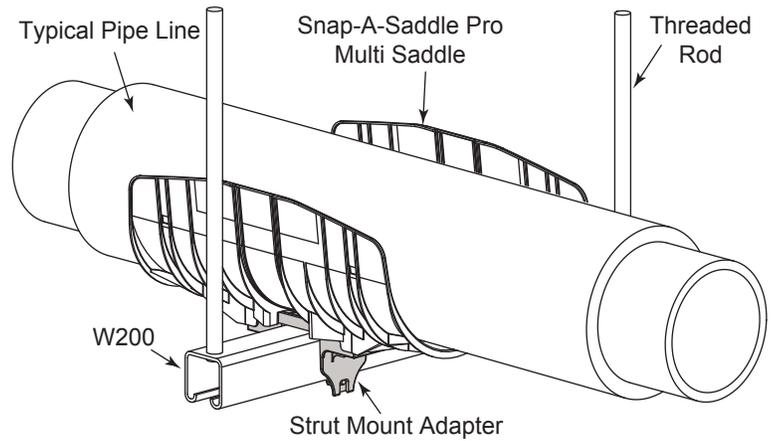
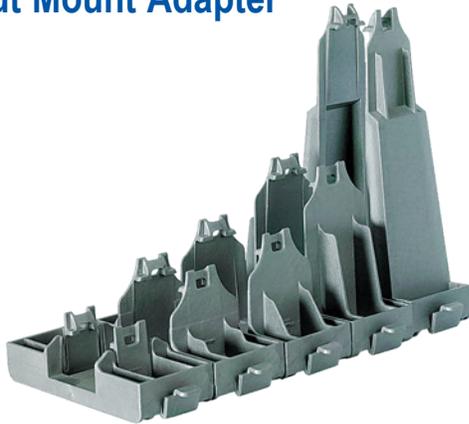


# Snap-A-Saddle Pro Multi™ Adapters

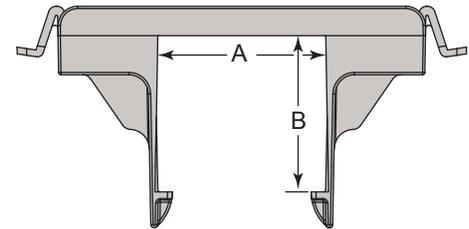


Adaptable Insulated Pipe Saddle

## Strut Mount Adapter



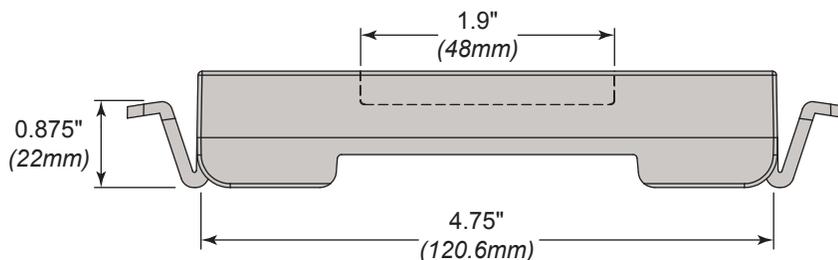
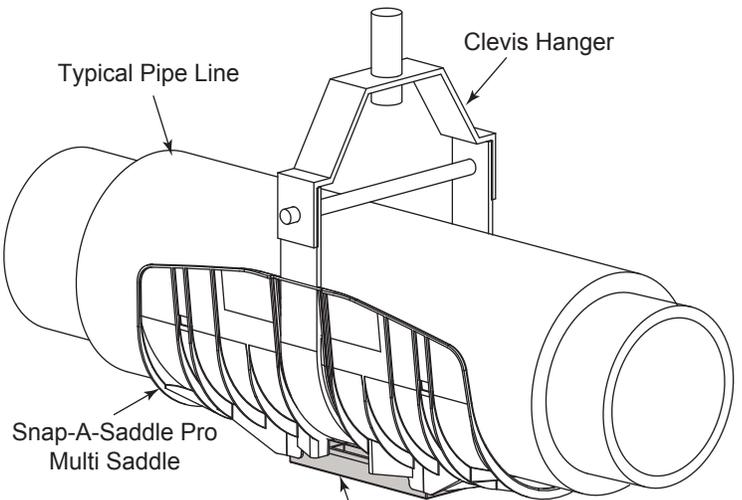
Part No.	A	B	Use with Channel Sizes
SASM30X30G	1-3/16" (30mm)	1-3/16" (30mm)	-
SASM31X43G	1-5/64" (31mm)	1-11/16" (43mm)	-
SASM40X38G	1-9/16" (40mm)	1-1/2" (38mm)	-
SASM42X20G	1-5/8" (41mm)	13/16" (21mm)	1-5/8" x 13/16"
SASM42X42G		1-5/8" (41mm)	1-5/8" x 1-5/8", 1-5/8" x 13/16" Back-to-Back
SASM42X84G		3-1/4" (165mm)	1-5/8" x 1-5/8" Back-to-Back, 1-5/8" x 3-1/4"
SASM42X166G		6-1/2" (165mm)	1-5/8" x 3-1/4" Back-to-Back
SASM4D21G	2-1/8" (54mm)	1-1/16" (27mm)	-
SASM4D22G		2-1/8" (54mm)	-



The use of the Stabilizer Adapter with 10" SASM1050G and 12" SASM1250G Saddles is suggested for additional support.

## SASMCLEVISG

Clevis Mount Adapter



Clevis Mount Adapter

SnapShock™ can be attached to Clevis Mount Adapter.

Stabilizer can be attached with Clevis Mount Adapter

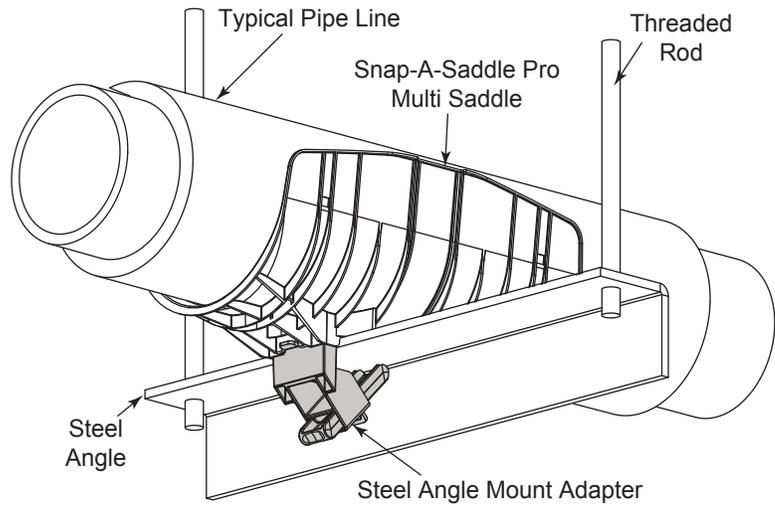
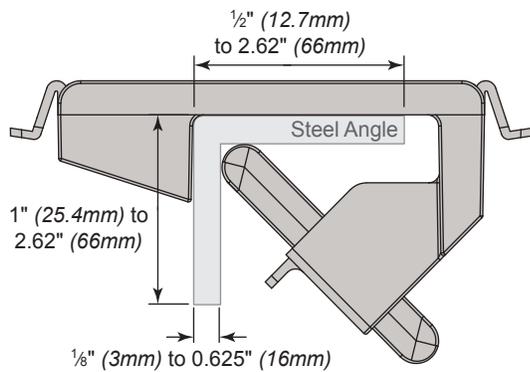
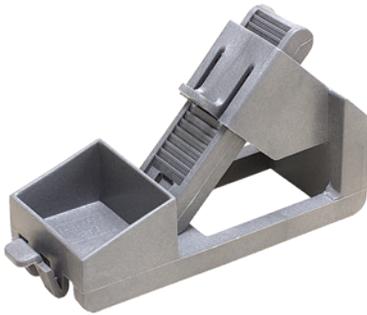
Clevis Mount Adapter is utilized with Floor Adapter assembly.



Introduction  
Channel  
Channel Nuts & Hardware  
General Fittings  
Brackets  
Beam Clamps  
Pipe & Conduit Supports  
Electrical Fittings  
Spring Steel  
Concrete Inserts  
Roofing Supports  
Fiberglass System  
Technical Data

## SASM2-5/8G

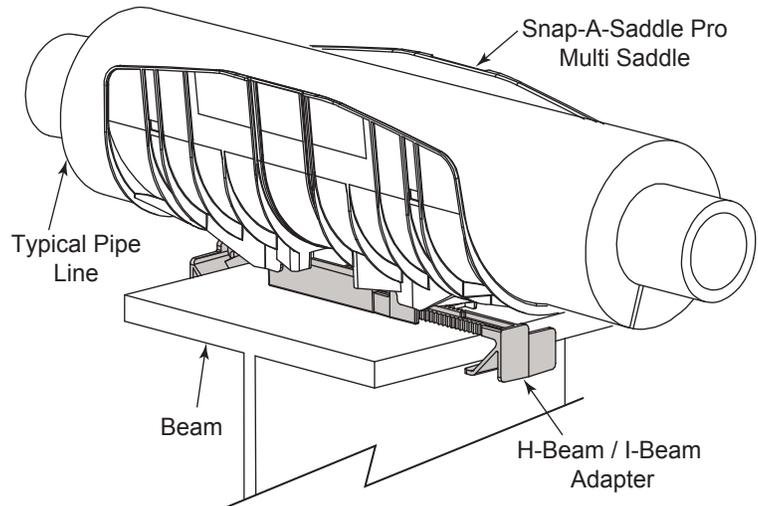
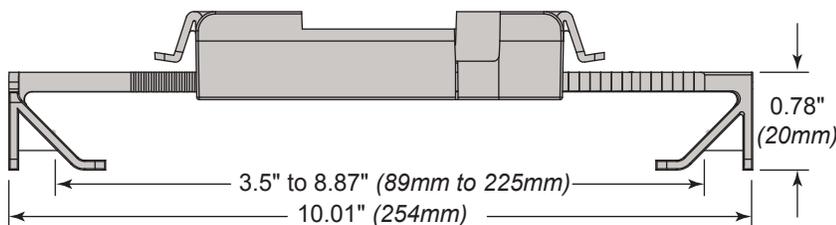
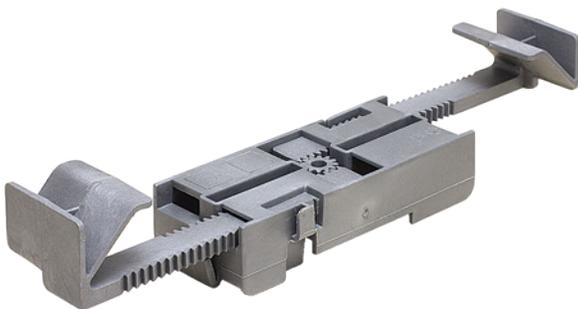
Steel Angle Mount Adapter



The use of the Stabilizer Adapter with 10" SASM1050G and 12" SASM1250G Saddles is suggested for additional support.

## SASMHBEAMG

H-Beam / I-Beam Adapter



The use of the Stabilizer Adapter with 10" SASM1050G and 12" SASM1250G Saddles is suggested for additional support.

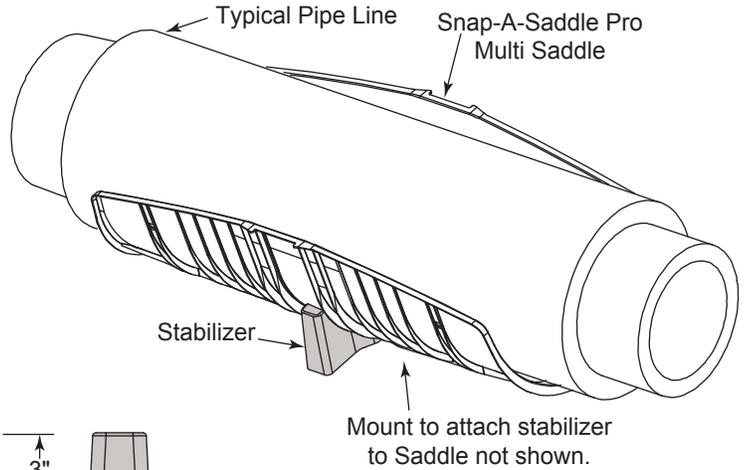
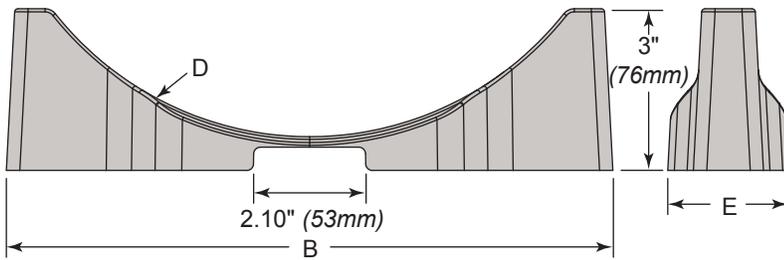


# Snap-A-Saddle Pro Multi™ Adapters



Adaptable Insulated Pipe Saddle

## Stabilizer

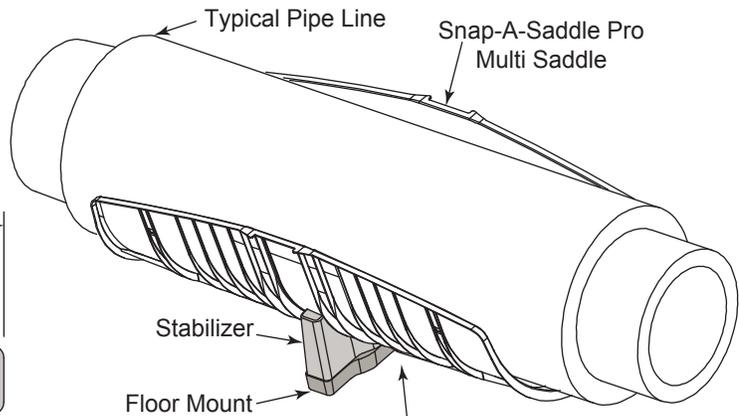
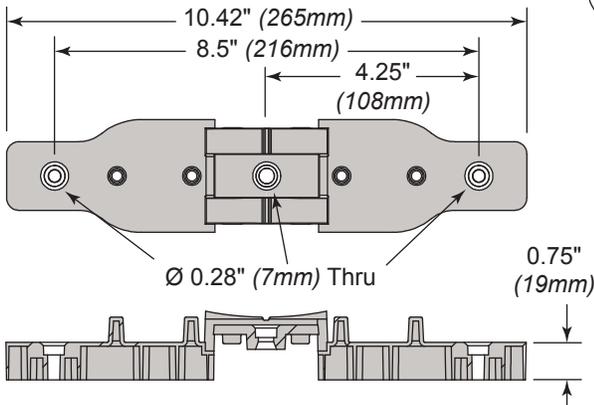


Part Number	B	D	E	Compatible Only with Saddle
SASMSTAB1050G	10.34" (263mm)	R5.13	2.24" (57mm)	SASM1050G
SASMSTAB1250G	11.38" (289mm)	R6.13	2.28" (58mm)	SASM1250G

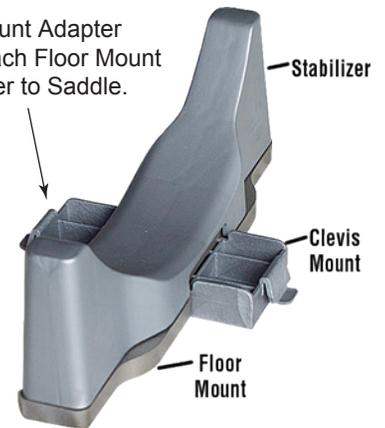
Stabilizer is attached to Saddle with Strut Mount, Steel Angle, H & I-Beam and Clevis Mount adapters.

The use of this Stabilizer Adapter with 10" SASM1050G and 12" SASM1250G Saddles is suggested for additional support.

## Floor Adapter



Clevis Mount Adapter is used to attach Floor Mount & Stabilizer to Saddle.



Floor Mount works with 10" SASM1050G and 12" SASM1250G Saddles. Requires the Stabilizer and Clevis Mount Adapters as shown in photo to the right.

Part Number	Compatible Only with Saddle	Requires a Stabilizer	Requires a Clevis Mount
SASMFLOOR10-12G	SASM1050G & SASM1250G	SASMSTAB1050G & SASMSTAB1250G	SASMCLEVISG



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

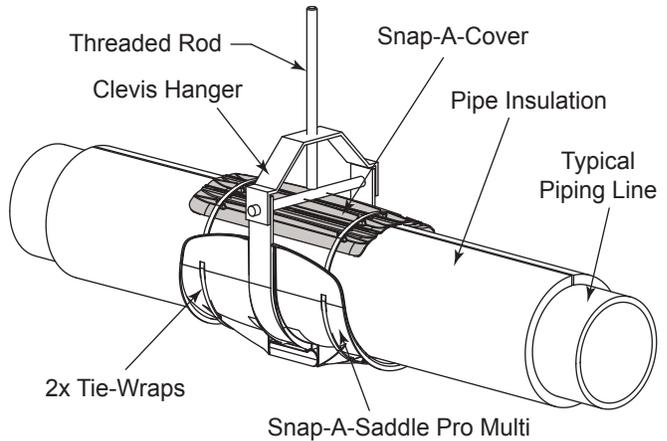
Concrete Inserts

Rooftop Supports

Fiberglass System

Technical Data

**Snap-A-Cover™**  
Insulated Pipe Saddle Cover



**Applications:**

Refrigeration, Air Conditioning and Plumbing

**Installation:**

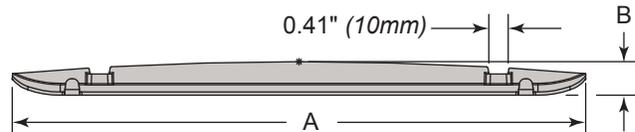
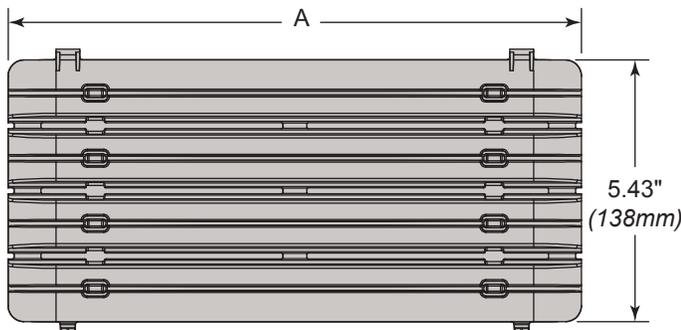
Tool-Free, Suited for vertical or horizontal pipe installation.

**Certification:**

UL classified for USA (UL-723 (ASTM E 84)) and ULC listed for Canada (ULC-S102.2).

**Material:**

- Polypropylene
- UV resistant
- Operating temperature -40° to 178°F (-40° to 81°C)
- Paintable (preserves mechanical properties even after painting)
- Non-adhesive surface for linear expansion of thermal insulation.



Part Number	Color	Use With Snap-A-Saddle Pro Part Numbers	A	B
<b>SACX25B</b>	Black	<b>SAS225B, SAS325B, SAS425B, SAS525B, SAS625B</b>	12" (305mm)	0.83" (21mm)
<b>SACX25W</b>	White	<b>SAS225W, SAS325W, SAS425W, SAS525W, SAS625W</b>		
<b>SAC825B</b>	Black	<b>SAS825B</b>		
<b>SAC825W</b>	White	<b>SAS825W</b>		

Part Number	Color	Use With Snap-A-Saddle Pro Multi Part Numbers	A	B
<b>SACX50G</b>	Grey	<b>SASM250G, SASM350G, SASM450G, SASM550G, SASM650G</b>	12" (305mm)	0.83" (21mm)
<b>SACL50G</b>	Grey	<b>SASM850G, SASM1050G, SASM1250G</b>	18" (457mm)	0.77" (19.5mm)



## Magnetic Shock Detection Device

### SnapShock™

#### Applications:

Refrigeration, Air Conditioning and Plumbing

#### Installation:

Tool-Free, clips directly into the Clevis adapter of the Snap-A-Saddle Pro Multi™

#### Certification:

UL classified for USA (UL-723 (ASTM E 84) and ULC listed for Canada (ULC-S102.2).

#### Material:

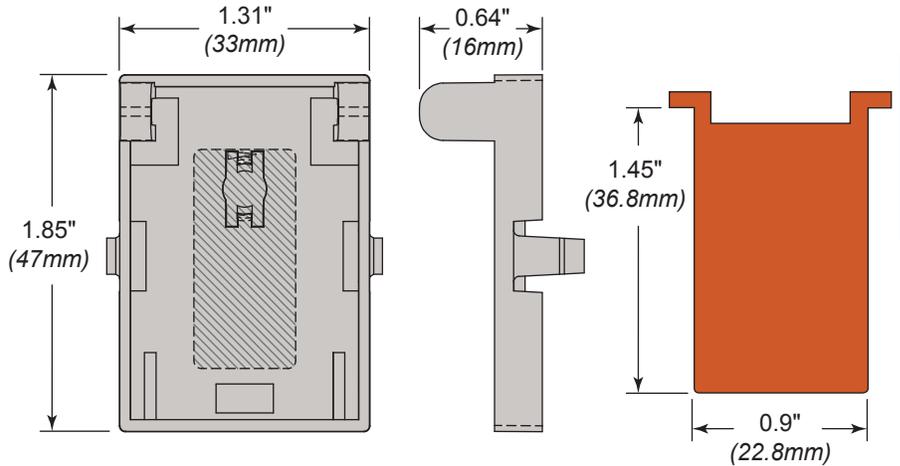
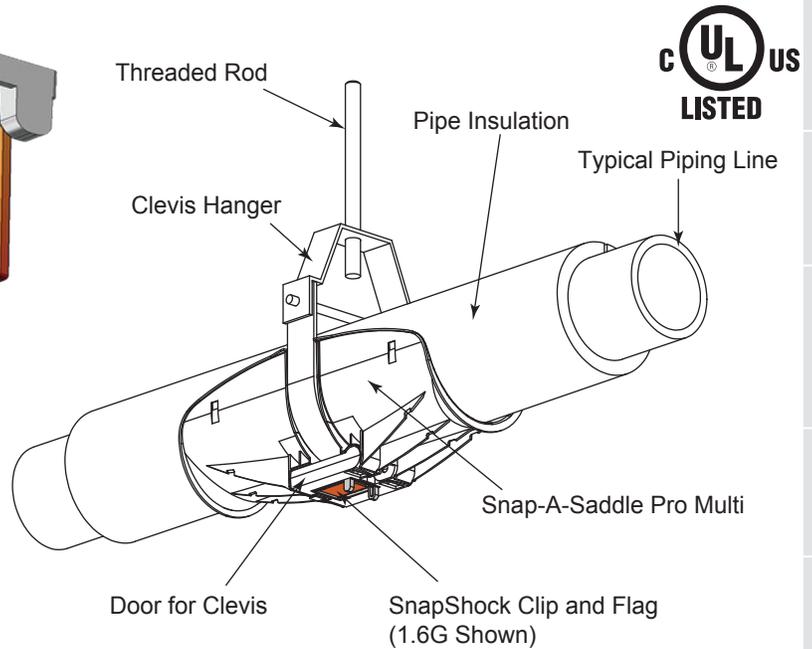
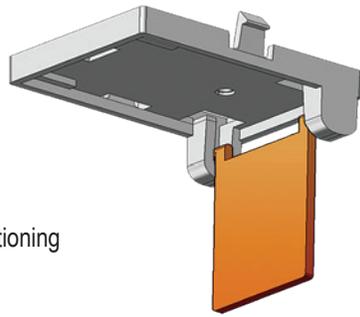
- Polypropylene 20% glass filled
- UV resistant
- Operating temperature -40° to 178°F (-40° to 81°C)



Each color coded flag will trigger at a different shock intensity. Flags are easily interchangeable for different shock tolerance. Flag thickness varies by shock intensity.

- 1.8G  
(Downward Allowable Stress Design)
- 1.6G  
(Downward Allowable Stress Design)
- 1.4G  
(Downward Allowable Stress Design)

SnapShock is sold by the set. Each set is supplied complete with all three flags.



**Install Flag**



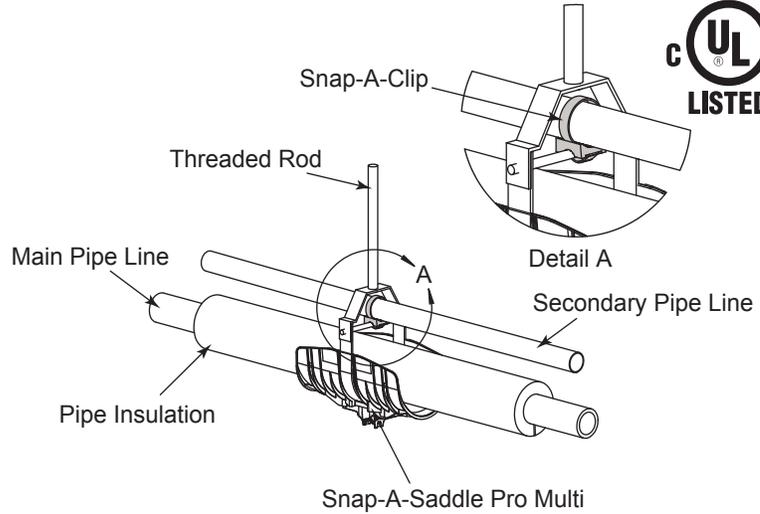
**Set Flag to Arm**



**Activated Flag Indicates Shock Issue**



### Snap-A-Clip™



### Applications:

Refrigeration, Air Conditioning, Plumbing, Electrical and Communication

### Installation:

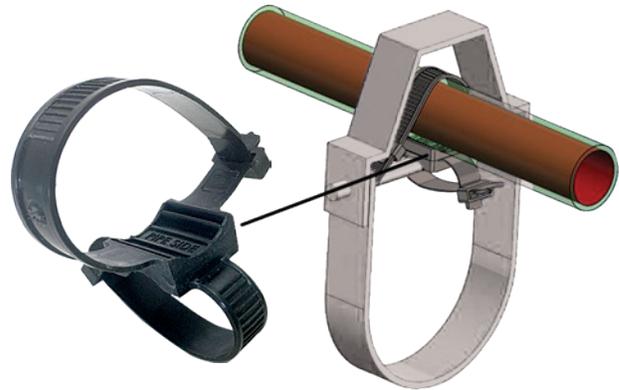
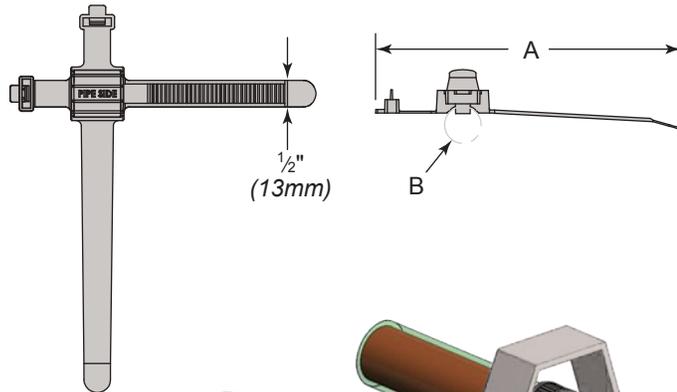
Tool-Free, Tie-wrap style

### Certification:

UL classified for USA (UL-723 (ASTM E 84)) and ULC listed for Canada (ULC-S102.2).

### Material:

- Polypropylene
- UV resistant
- Operating temperature -40° to 178°F (-40° to 81°C)
- Paintable (preserves mechanical properties even after painting)



Part Number	For Pipe OD	A	B
SASP050B	1/4" - 1/2"	5.62" (143mm)	0.68" (17mm)
SASP125B	5/8" - 1-1/4"	5.77" (147mm)	1.25" (32mm)
SASP175B	1-5/16" - 1-3/4"	6.20" (158mm)	1.75" (45mm)
SASP225B	1-3/4" - 2-1/4"	6.20" (158mm)	1.71" (44mm)

Bolt Diameter	Pipe Diameter									
	1/4" (6mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)	1" (25mm)	1-1/4" (39mm)	1-1/2" (38mm)	1-3/4" (45mm)	2" (51mm)	2-1/4" (57mm)
1/4" (6.3mm)	SASP050B	SASP050B	-	-	-	-	-	-	-	-
5/16" (7.9mm)			-	-	-	-	-	-	-	-
3/8" (9.5mm)			SASP125B	SASP125B	SASP125B	SASP125B	-	-	-	-
1/2" (12.7mm)			-	-	-	-	SASP175B	-	-	-
11/16" (17.5mm)			-	-	-	-	-	SASP225B	SASP225B	SASP225B



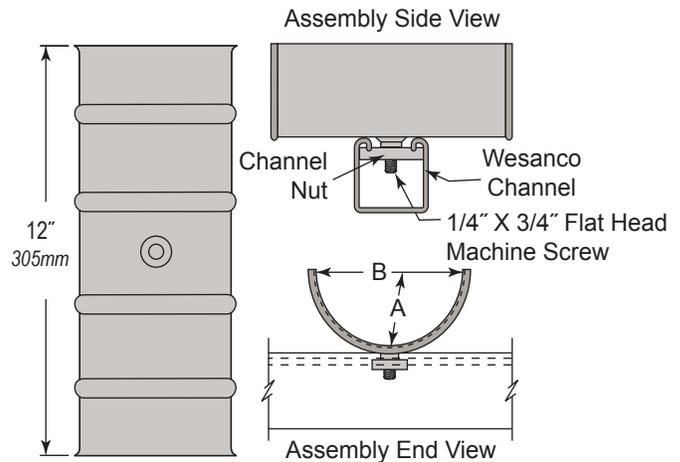
## Saddle-Up

### Insulation Saddle

The Saddle-Up Pipe Insulation Saddle is a formed metal shield designed to allow insulated refrigeration pipe or tubing to pass through the support without need to compromise the vapor barrier and protects from crushing or damage at hanger and support locations. Made from 20 gauge electro-galvanized steel the ribbed design along its 12" (305mm) length offers the superior support needed to spread out loading on insulation which reduces the potential for internal cavity creation between the pipe and insulation. The strut mounting option provides a time tested secure and safe attachment method so there is no need for other tie downs to the support.

#### FEATURES:

- Shipped with all necessary hardware to attach to strut or any other industry standard 1 5/8" (41mm) wide strut channel.
- Features flared edges to protect pipe insulation jacketing.
- Each Saddle individually marked with part number
- Counter Sunk attachment Hole and Flat Head Machine Screw prevent possible damage to insulation.
- Electro-Galvanized Steel provides excellent rust protection and has no exposed fabricated edges.



Dimensions (Inches)			1/2" (13mm) Insulation		3/4" (19mm) Insulation		1" (25mm) Insulation		1 1/2" (38mm) Insulation	
Part No.	B Width	A Radius	OD Tube Size	OD With Insulation	OD Tube Size	OD With Insulation	OD Tube Size	OD With Insulation	OD Tube Size	OD With Insulation
SD150	1 1/2" (38mm)	3/4" (19mm)	3/8"	1 3/8" (35mm)	-	-	-	-	-	-
			1/2"	1 1/2" (38mm)	-	-	-	-	-	-
SD200	2" (51mm)	1" (25mm)	5/8"	1 5/8" (41mm)	3/8"	1 7/8" (48mm)	-	-	-	-
			3/4"	1 3/4" (45mm)	1/2"	2" (51mm)	-	-	-	-
			7/8"	1 7/8" (48mm)	-	-	-	-	-	-
SD250	2 1/2" (64mm)	1 1/4" (32mm)	1 1/8"	2 1/8" (54mm)	5/8"	2 1/8" (54mm)	3/8"	2 3/8" (60mm)	-	-
			1 3/8"	2 3/8" (60mm)	3/4"	2 1/4" (57mm)	1/2"	2 1/2" (64mm)	-	-
			-	-	7/8"	2 3/8" (60mm)	-	-	-	-
			-	-	-	-	-	-	-	-
SD300	3" (76mm)	1 1/2" (38mm)	1 5/8"	2 5/8" (67mm)	1 1/8"	2 5/8" (67mm)	5/8"	2 5/8" (67mm)	-	-
			-	-	1 3/8"	2 7/8" (73mm)	3/4"	2 3/4" (70mm)	-	-
			-	-	-	-	7/8"	2 7/8" (73mm)	-	-
SD350	3 1/2" (89mm)	1 3/4" (45mm)	2 1/8"	3 1/8" (79mm)	1 5/8"	3 1/8" (79mm)	1 1/8"	3 1/8" (79mm)	3/8"	3 3/8" (86mm)
			2 3/8"	3 3/8" (86mm)	-	-	1 3/8"	3 3/8" (86mm)	1/2"	3 1/2" (89mm)
			2 5/8"	3 5/8" (86mm)	2 1/8"	3 5/8" (92mm)	1 5/8"	3 5/8" (92mm)	5/8"	3 5/8" (92mm)
SD450	4 1/2" (114mm)	2 1/4" (57mm)	-	-	2 3/8"	3 7/8" (98mm)	-	-	3/4"	3 3/4" (95mm)
			-	-	-	-	-	-	7/8"	3 7/8" (98mm)
			3 1/8"	4 1/8" (105mm)	2 5/8"	4 1/8" (105mm)	2 1/8"	4 1/8" (105mm)	1 1/8"	4 1/8" (105mm)
			-	-	-	-	2 3/8"	4 3/8" (111mm)	1 3/8"	4 3/8" (111mm)
SD550	5 1/2" (140mm)	2 3/4" (70mm)	3 5/8"	4 5/8" (118mm)	3 3/8"	4 5/8" (118mm)	2 5/8"	4 5/8" (118mm)	1 5/8"	4 5/8" (118mm)
			4 1/8"	5 1/8" (130mm)	3 5/8"	5 1/8" (130mm)	3 1/8"	5 1/8" (130mm)	2 1/8"	5 1/8" (130mm)
			-	-	-	-	-	-	2 3/8"	5 3/8" (143mm)
SD650	6 1/2" (165mm)	3 1/4" (83mm)	-	-	4 1/8"	5 5/8" (143mm)	3 5/8"	5 5/8" (143mm)	2 5/8"	5 5/8" (143mm)
			-	-	-	-	4 1/8"	6 1/8" (156mm)	3 1/8"	6 1/8" (156mm)



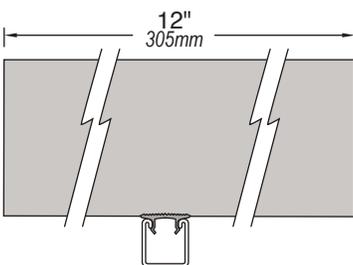
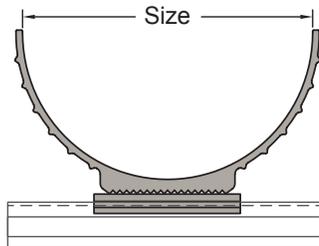
## Snap-A-Saddle®

Strut Mount Plastic Insulation Saddle

The Snap-A-Saddle provides an easy way to attach insulated pipes to support channel, with one step, tool-free installation.



Snaps easily into channel



Part No.		Nominal Inside Opening
Black	White	
SB225	SW225	2¼" (57mm)
SB325	SW325	3¼" (83mm)
SB425	SW425	4¼" (108mm)
SB525	SW525	5¼" (133mm)
SB625	SW625	6¼" (159mm)
SB825	SW825	8⅝" (219mm)

- Temp Range: -50° to 275°F (-46° to 135° C)
- Available in both black and white
- UL94-HB1 Rated TPV Material
- Made in USA
- Easy Installation
- Standard 12" (305mm) lengths. Special lengths available upon request



Snap-A-Saddle Size Guide - Copper Tubing					
Tubing Size	Insulation Thickness				
	½" (13mm)	¾" (19mm)	1" (25mm)	1½" (38mm)	2" (51mm)
¼"	S*225	S*225	S*325	S*425	S*525
⅜"					
½"					
⅝"					
¾"					
1"					
1¼"	S*325	S*425	S*525	S*625	
1½"					
2"					
2½"	S*425	S*525	S*625	S*825	
3"					
3½"	S*525	S*625	S*825		
4"					

\* Add "B" for Black or "W" for White

Snap-A-Saddle Size Guide - Schedule 40/80 Pipe					
Pipe Size	Insulation Thickness				
	½" (13mm)	¾" (19mm)	1" (25mm)	1½" (38mm)	2" (51mm)
¼"	S*225	S*225	S*325	S*425	S*525
⅜"					
½"					
¾"		S*325			
1"					
1¼"					
1½"	S*325	S*425	S*525	S*625	
2"					
2½"	S*425	S*525	S*625	S*825	
3"					
3½"	S*525	S*625	S*825		
4"					

\* Add "B" for Black or "W" for White

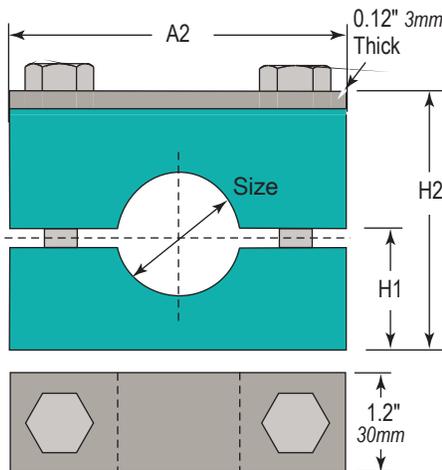
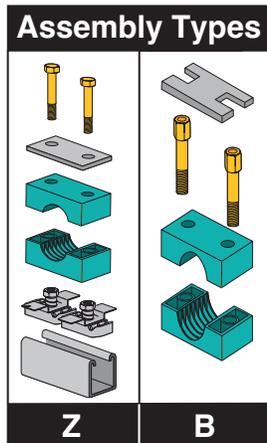
Snap-A-Saddle® is manufactured under U.S. patents #D753468 and Canadian patents #163550



## Standard Series Beta Clamps



Assembly Type "Z"  
- Strut Mounted



**Complete Beta Product Line** - Refer to Foster Quick Disconnects Product Catalog for more information on all available Beta Clamps

- Cushions are Polypropylene (Green Color)
- Recommended for systems with less than 1,500 psi (103 bar) without dynamic loads.
- Use for standard hydraulics, general pipe construction, electrical cables, and general duty piping applications subject to moderate levels of shock and vibration.
- Aluminum cushions are used in higher heat applications up to 500°F (260°C)

**INSTALLATION** - Refer to technical data section for complete installation guide.

Group	Part No. *	Tube Size	Pipe Size	Metric Size	Dimensions			Bolt
					A2	H1	H2	
S1	S1004	1/4" (0.250)	-	-	1.34" (34)	0.50" (13)	1.13" (29)	1/4"-20 x 1 1/4"
	S1006	3/8" (0.375)	-	-				
	SM1006	-	-	6mm				
	S1007	-	1/8" (0.405)	-				
	SM1008	-	-	8mm				
	SM1012	-	-	12mm				
S2	S2008	1/2" (0.500)	-	-	1.57" (40)	0.64" (16)	1.42" (36)	1/4"-20 x 1 3/8"
	S2009	-	1/4" (0.540)	-				
	S2010	5/8" (0.625)	-	-				
	S2011	-	3/8" (0.675)	-				
	SM2014	-	-	14mm				
	SM2015	-	-	15mm				
S3	S3012	3/4" (0.750)	-	-	1.96" (50)	0.68" (17)	1.49" (38)	1/4"-20 x 1 1/2"
	S3014	-	1/2" (0.840)	-				
	S3015	7/8" (0.875)	-	-				
	S3016	1" (1.000)	-	-				
	SM3020	-	-	20mm				
	SM3025	-	-	25mm				
S4	S4017	-	3/4" (1.050)	-	2.28" (58)	0.82" (21)	1.76" (45)	1/4"-20 x 1 1/2"
	S4018	1 1/8" (1.125)	-	-				
	SM4030	-	-	30mm				
S5	S5020	1 1/4" (1.250)	-	-	2.75" (70)	1.13" (29)	2.40" (61)	1/4"-20 x 2 1/2"
	S5021	-	1" (1.315)	-				
	S5024	1 1/2" (1.500)	-	-				
	S5027	-	1 1/4" (1.660)	-				
	SM5035	-	-	35mm				
S6	S6028	1 3/4" (1.750)	-	-	3.38" (86)	1.29" (33)	2.71" (69)	1/4"-20 x 2 3/4"
	S6030	-	1 1/2" (1.900)	-				
	S6032	2" (2.000)	-	-				
S7	S7038	-	2" (2.375)	-	4.75" (121)	1.88" (48)	3.93" (100)	1/4"-20 x 4"
	S7036	2 1/4" (2.250)	-	-				
	S7040	2 1/2" (2.500)	-	-				
	S7044	2 3/4" (2.750)	-	-				
	S7048	3" (3.000)	-	-				
SUFFIX	*For additional sizes contact factory. Note: Add assembly type to part number. Example: <b>S1004S-SS</b> provides the complete assembly as shown with stainless steel components. NOTE: SM (metric) only available in Steel with Polypropylene (green) cushion.							
		Components	Cushion	Example				
	none	Steel	Polypropylene (green)	<b>S1004S</b>				
	-AL	Steel	Aluminum	<b>S1004S-AL</b>				
-SS	Stainless Steel	Polypropylene (green)	<b>S1004S-SS</b>					



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

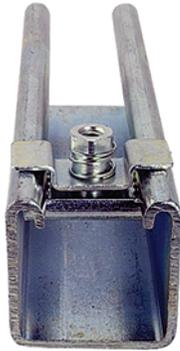
Concrete Inserts

Roofing Supports

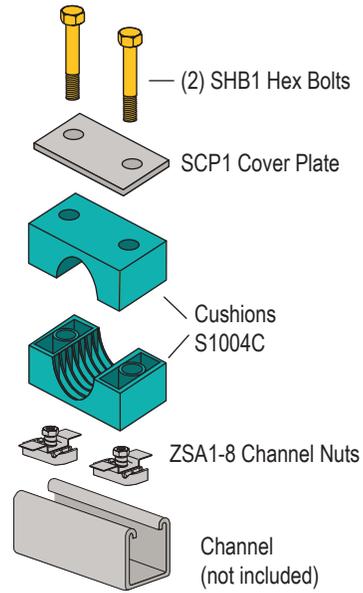
Fiberglass System

Technical Data

## Standard Series Beta Clamps



Channel with ZSA1-8  
Nut installed



Strut Mounted Ordering Example - S1004Z		
"Z" Assembly Includes		
Quantity	Part No.	Description
2 Each	SHB1	Hex Bolts
1 Each	SCP1	Cover Plate
1 Set	S1004C	Cushions
2 Each	ZSA1-8	Channel Nuts

STANDARD SERIES COVER PLATE			STANDARD SERIES SAFETY PLATE		
	SCP1	Use with Group S1		SP1	Use with Group S1
	SCP2	Use with Group S2		SP2	Use with Group S2
	SCP3	Use with Group S3		SP3	Use with Group S3
	SCP4	Use with Group S4		SP4	Use with Group S4
	SCP5	Use with Group S5		SP5	Use with Group S5
	SCP6	Use with Group S6		SP6	Use with Group S6
	SCP7	Use with Group S7		SP7	Use with Group S7
HEX BOLT (Two required per assembly)			STACKING BOLTS - (Two required per assembly)		
	SHB1	Use with Group S1		SB1	Use with Group S1
	SHB2	Use with Group S2		SB2	Use with Group S2
	SHB3	Use with Group S3		SB3	Use with Group S3
	SHB4	Use with Group S4		SB4	Use with Group S4
	SHB5	Use with Group S5		SB5	Use with Group S5
	SHB6	Use with Group S6		SB6	Use with Group S6
	SHB7	Use with Group S7		SB7	Use with Group S7
STRUT NUT - For connection to Channel (Two required)			CHANNEL		
	ZSA1-8	Use with Groups S1-S7	Pages 38 - 41	1 <sup>5</sup> / <sub>8</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (41mm x 41mm)	
			Pages 50 - 52	1 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>16</sub> " (41mm x 11mm)	
			Pages 44 - 46	1 <sup>5</sup> / <sub>8</sub> " x 1" (41mm x 25mm)	
			Pages 47 - 49	1 <sup>5</sup> / <sub>8</sub> " x 7/ <sub>8</sub> " (41mm x 22mm)	

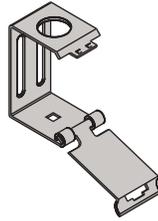


**Complete Beta Product Line - Refer to Foster Quick Disconnects Product Catalog for more information on all available Beta Clamps**

# Electrical Fittings

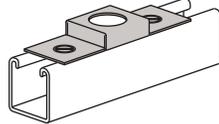
## Fixture Hangers

Pages 198 - 199



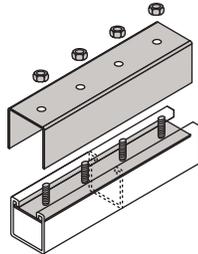
## Conduit Connector

Pages 199 - 200



## Raceway Splice Assemblies

Pages 200 - 203



## Raceway Channel with Knock-Outs



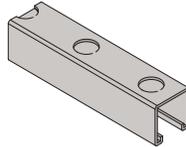
1-5/8" x 2-7/16" 12 Gauge (page 53)

1-5/8" x 1-5/8" 12 Gauge (page 38)

1-5/8" x 1-5/8" 14 Gauge (page 38)

1-5/8" x 1-3/8" 12 Gauge (page 42)

1-5/8" x 13/16" 14 Gauge (page 50)



### Maximum Number of Wires

Also suitable for the number of wires in table below when installed to support and supply electric discharge type lighting fixtures when raceway wiring is suitable for at least 70°C and clearance between fixture and raceway is at least 1/8". In all cases, a snap-in cover is required to complete the raceway enclosure.

Wire Types: R, RH, RU, RW, T, or TW

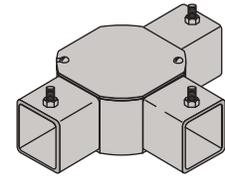
Wire Size AWG	1-5/8" x 1-5/8" Channel	1-5/8" x 1-3/8" Channel	1-5/8" x 13/16" Channel
14	10	10	6
12	10	10	6
10	8	6	-
8	6	4	-
6	3	2	-

Electrical Specifications		
Material	ASTM	ASTM Description
Hot Rolled Plate	A 575	Steel, sheet and strip, carbon drawing quality, special killed, hot rolled.
Fitting (Steel)	A 366	Steel carbon, cold rolled sheet, commercial quality structural steel.
	A 366	
	A 36	

See page 23 for Material or Finish ordering codes for part numbers.

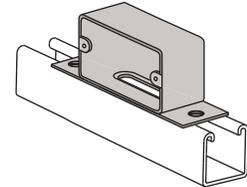
## Junction Boxes

Page 203



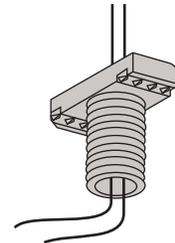
## Receptacle Boxes

Page 204



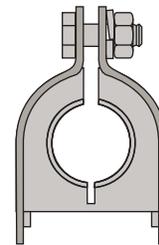
## Accessories

Pages 205 - 207



## Porce-A-Clamp

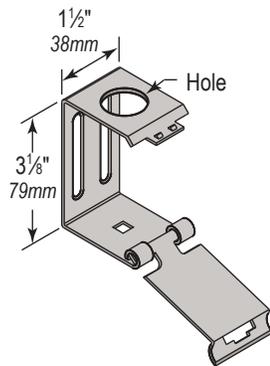
Page 208



Electrical Finish Specifications	
Finish	Description
Paint-Green Powder Coating	A dark green low gloss powder coating is applied and thoroughly baked after steel has been cleaned and phosphatized.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of Channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications.: ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

## Hinged Fluorescent Fixture Hanger

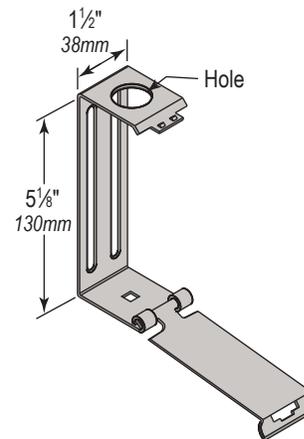
For 1-5/8" Channel



SPECIFYING Brand & Part No.	Hole Size	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W6420</b>	9/16" (14mm)	120 lbs (0.53 kN)	VF7106	EF10

## Hinged Fluorescent Fixture Hanger

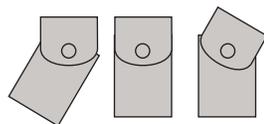
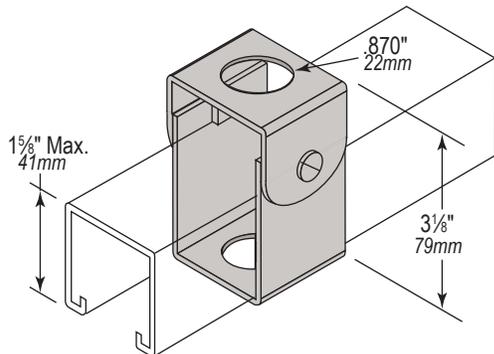
For 3-1/4" Channel



SPECIFYING Brand & Part No.	Hole Size	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>W6422</b>	9/16" (14mm)	120 lbs (0.53 kN)	VF710611	EF11

## Hinged Channel Hanger

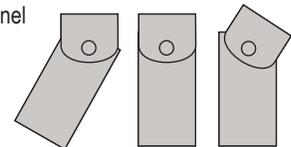
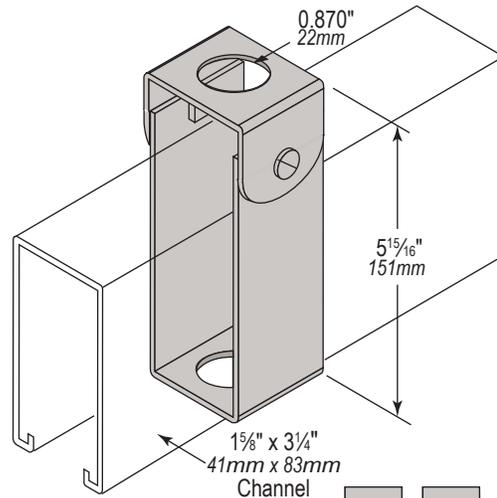
For 1-5/8" Channel



SPECIFYING Brand & Part No.	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W6419</b>	120 Lbs. (0.53 kN)	VF7104	EF14

## Hinged Channel Hanger

For 3-1/4" Channel  
Accepts rod to 7/8" Dia. or 1/2" conduit



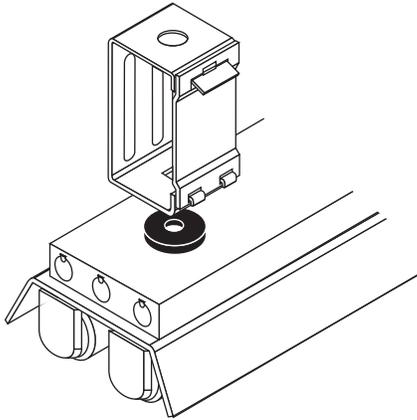
SPECIFYING Brand & Part No.	Design Load 12 Ga. Channel	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W6426</b>	120 Lbs. (0.53 kN)	VF710411	EF15

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

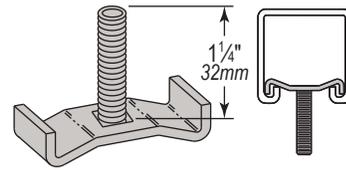
## Cushion Washer for Box Fixture Hangers



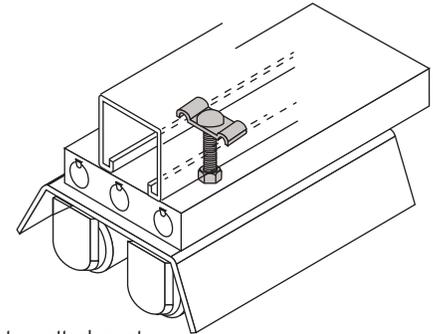
Provides a cushion between fluorescent fixture and hanger. For use with 1/4" thread diameter fasteners.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>RW25</b>	RW25	--

## Fixture Stud



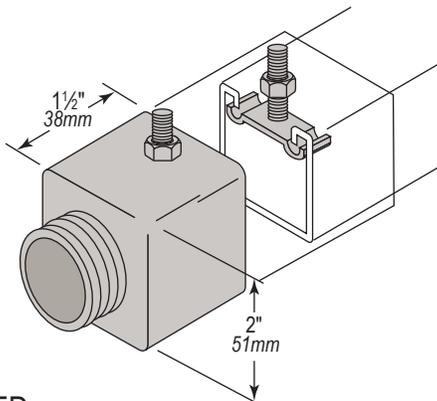
LISTED



1/4"-20 x 1-1/4" stud nut for fixture attachment. Stud extends 1" below channel slot. Hex nut included.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6460</b>	FF100 *	EF19
* Includes nut		

## 1" Nipple End Cap

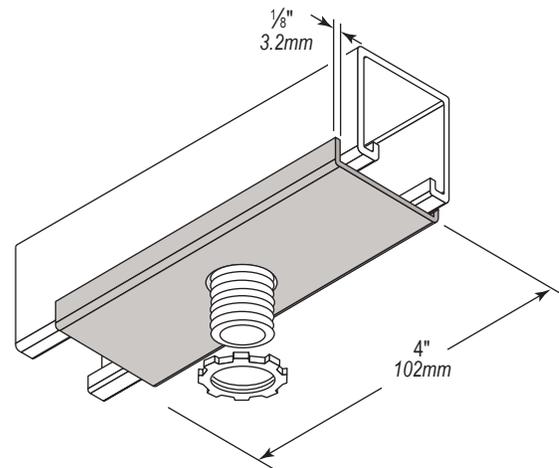


LISTED

Conduit entry fitting with 1" NPT male thread on 1/16" long nipple. Fits 1-5/8" (41mm) square channel only. Comes complete with W6460 stud nut assembly.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6401</b>	LL21A	--

## Fixture Spacer



Spacer fits between channel and electric discharge lighting fixtures where 1/8" (3.2) clearance is required. Clearance hole for W6462 wiring nipple nut also shown on page 207. (Nipple and locknut not included.)

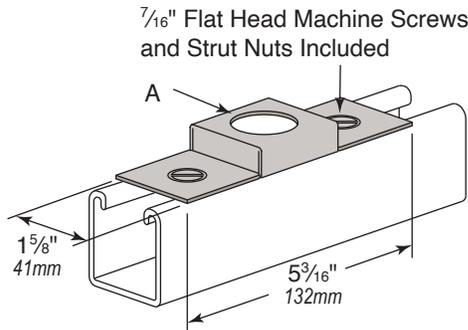
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
<b>WESANCO</b>	VERSABAR	FLORIDA STRUT
<b>W6402</b>	LL60	--

Hole Diameter: 1/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



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Fiberglass System  
Technical Data

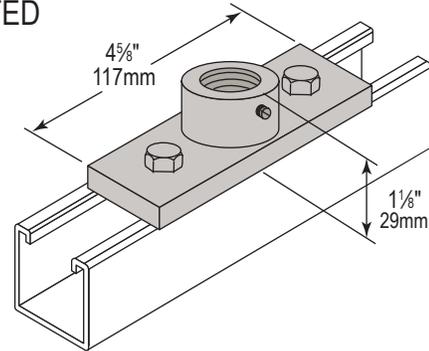
## Conduit Connection Plate with Hardware



Non load bearing conduit connector. Fraction indicates conduit size. Furnished with mounting hardware for connection to channel.

SPECIFYING Brand & Part No.	Use with Conduit	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6442	1/2" (13mm)	EB20A50	EF220050
W6443	3/4" (19mm)	EB20A75	EF220075

## Raceway Conduit Connector

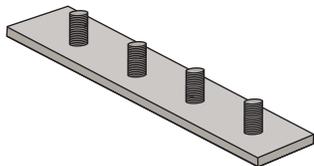


Raceway supporting conduit connector. Fraction indicates conduit size. Furnished with 1/4" x 1/2" set screw and mounting hardware for connection to channel.

**Casting thread is for 3/4" conduit, reducer will be supplied for 1/2" conduit if ordered W6446**

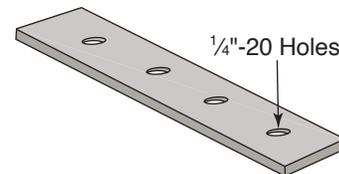
SPECIFYING Brand & Part No.	Use with Conduit	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6446	1/2" (13mm)	EB19A50	--
W6447	3/4" (19mm)	EB19A75	--

## Standard Raceway Stud Plate



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W6439	--	EF31

## 4-Hole Tapped Splice Plate (opt.) with 4 Screws



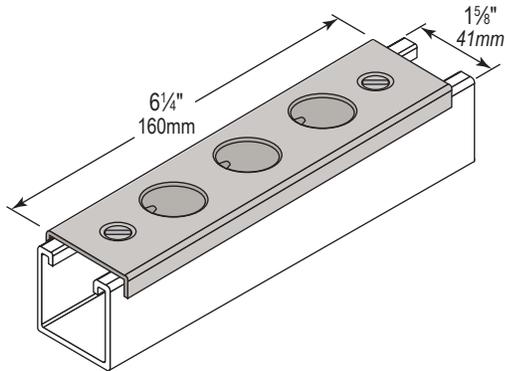
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W6440	--	EF30

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Electro Galvanized (EG)

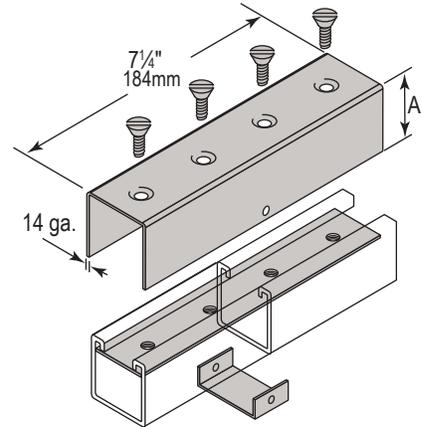
## Outlet Box Connection Fitting



Outlet plate fitting. Three  $\frac{7}{8}$ " (22) dia.K.O.'s on  $1\text{-}\frac{3}{16}$ " (30) centers. Supplied ready to install with W2-4WS channel nuts and  $\frac{1}{4}$ " x  $\frac{5}{8}$ " FLMS25x062 flat head machine screws.

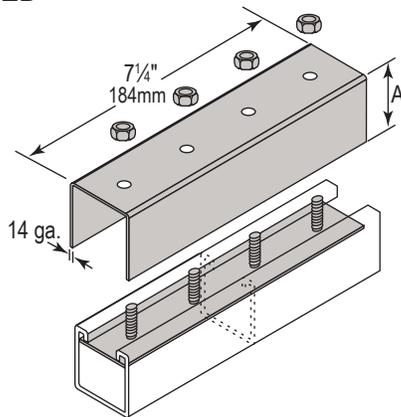
SPECIFYING Brand & Part No.	Use with Conduit	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6449	$\frac{7}{8}$ " (22mm)	EB25A75	--

## Flush Type Raceway Splice Assemblies



SPECIFYING Brand & Part No.	Channel Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6432	1- $\frac{5}{8}$ " (41mm)	VF5403A	--
W6435	1- $\frac{3}{16}$ " (21mm)	VF5403A4	--

## Stud Type Raceway Splice Assemblies



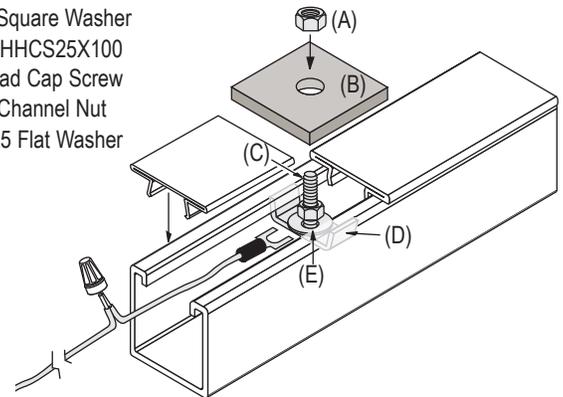
SPECIFYING Brand & Part No.	Channel Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6404	1- $\frac{5}{8}$ " (41mm)	VF5404A	--

## Raceway Grounding Kit

\*Wire nut is not included



- A.. 2 -  $\frac{1}{4}$ " HH25 Hex Nuts
- B. W5051 Square Washer
- C.  $\frac{1}{4}$ " x 1" HHCS25X100 Hex Head Cap Screw
- D. W6461 Channel Nut
- E.  $\frac{1}{4}$ " FW25 Flat Washer



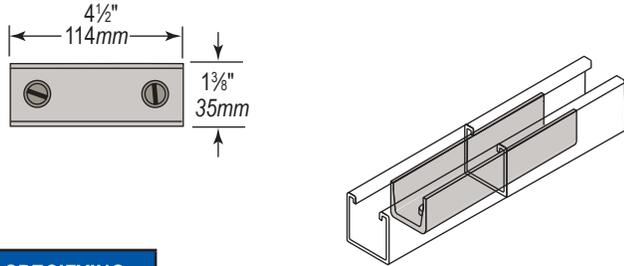
\*Connect ground conductor to ground wire (not included)

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W6403	LLG1	--

Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\text{-}\frac{7}{8}$ " (48mm); Width: 1- $\frac{5}{8}$ "(41mm); Thickness:  $\frac{1}{4}$ " (6mm)

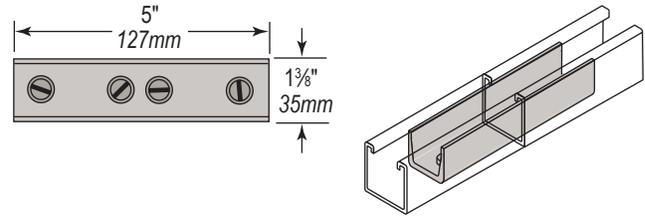


## Standard Straight Intersplice for $1\frac{3}{16}$ " (21mm) or $1\frac{5}{8}$ " (41mm) Channel



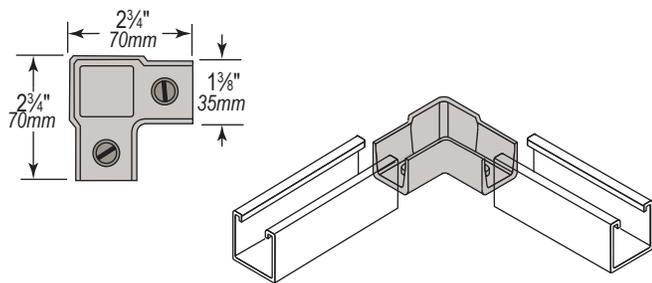
SPECIFYING Brand & Part No.	Channel Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> EJ330081	$1\frac{3}{16}$ " (21mm)	--	--
EJ330162	$1\frac{5}{8}$ " (41mm)	VF5901A	--

## Long Straight Intersplice for $1\frac{5}{8}$ " (41mm) Channel



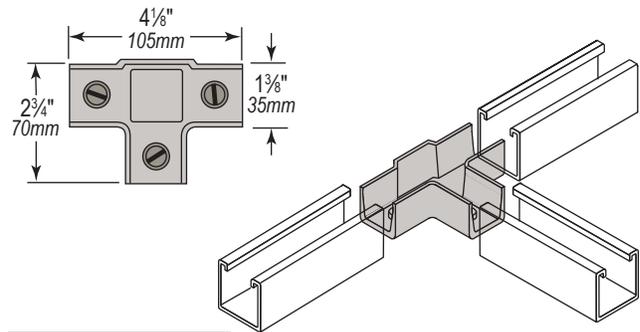
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6415	VF5905A	--

## 90° Intersplice for $1\frac{5}{8}$ " (41mm) Channel



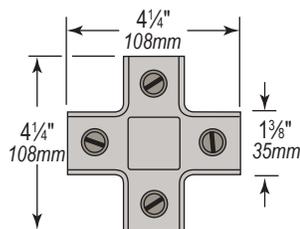
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6416	VF5903A	--

## Tee Intersplice for $1\frac{5}{8}$ " (41mm) Channel

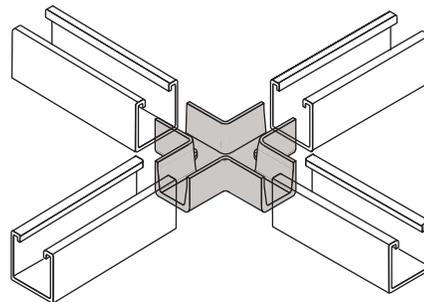


SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6417	VF5902A	--

## Cross Intersplice for $1\frac{5}{8}$ " (41mm) Channel



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6418	VF5904A	--

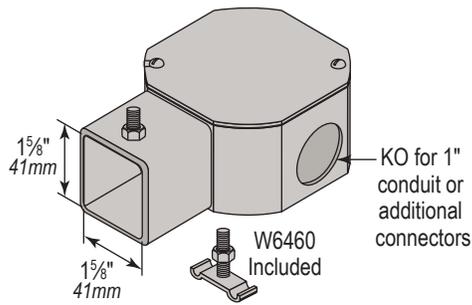


Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $1\frac{3}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{7}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



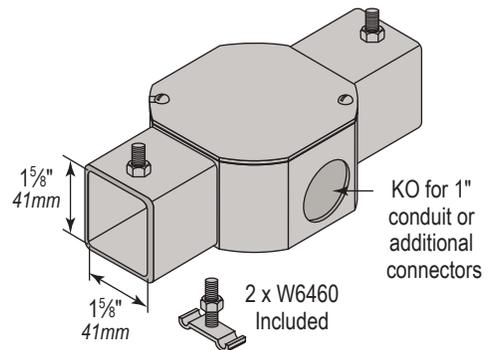
Standard Finish: Electro Galvanized (EG)

## Raceway End Box Assembly



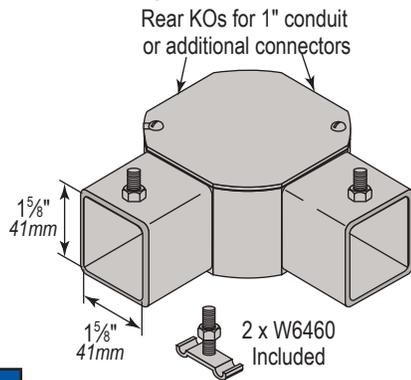
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W6450	VERSABAR VJB1	FLORIDA STRUT --

## Raceway Straight Box Assembly



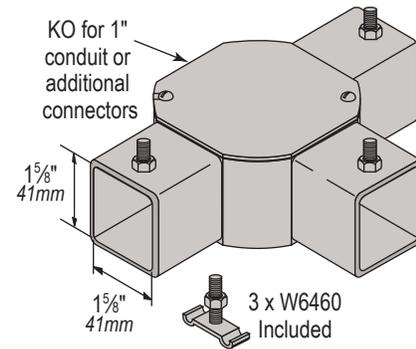
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W6451	VERSABAR VJB2	FLORIDA STRUT --

## Raceway Corner Box Assembly



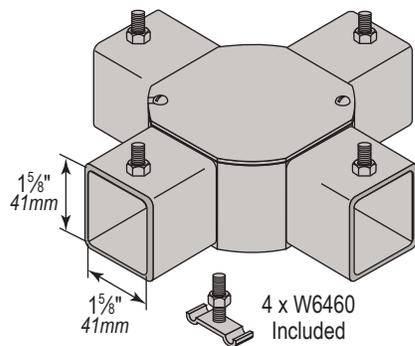
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W6452	VERSABAR VJB3	FLORIDA STRUT --

## Raceway 3-Way Box Assembly



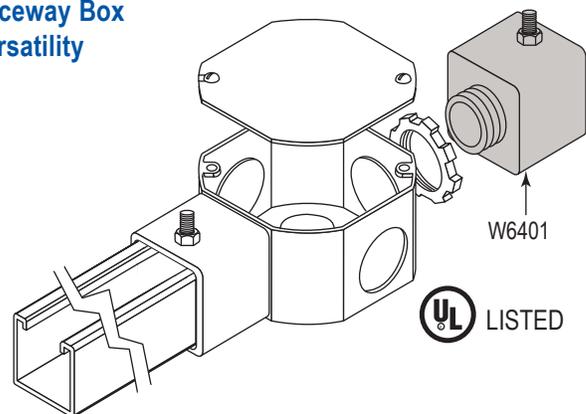
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W6453	VERSABAR VJB4	FLORIDA STRUT --

## Raceway 4-Way Box Assembly



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
W6454	VERSABAR VJB5	FLORIDA STRUT --

## Raceway Box Versatility



Make additional connections Through any open K.O. with W6401

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)

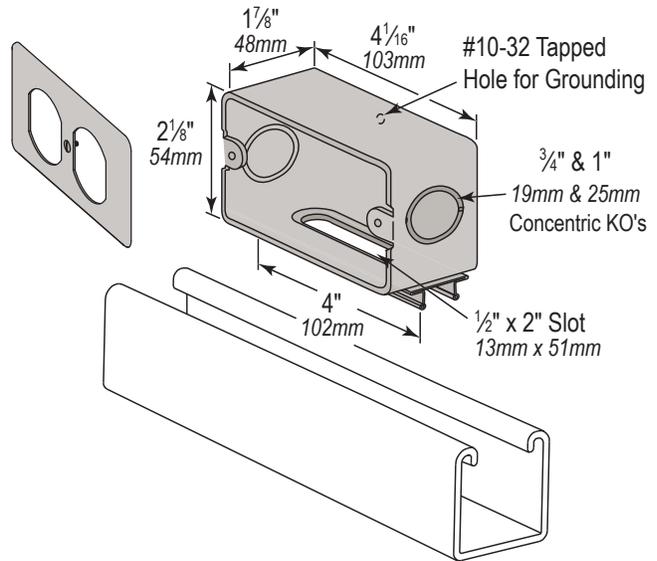


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## Snap-A- Box

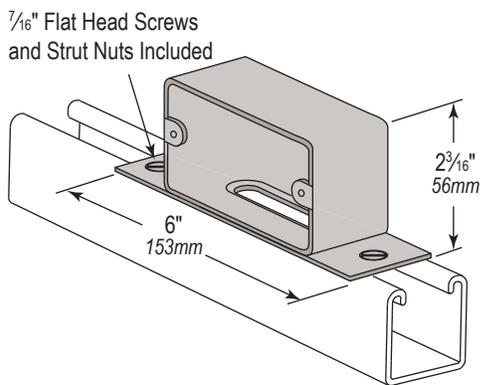
Quickly Attaches to Strut

- Requires Ground Wire Installation for use with UL Listed Channel Raceway System
- Concentric Knock-Outs  $\frac{3}{4}$ " and 1"
- No Bolts or Channel Nuts Required
- Snaps Quickly and Easily Into Channel
- Internal Slot, Rounded Edges to Avoid Wire Damage
- Includes Duplex Cover Plate
- Includes #10-32 Tapped Hole for Grounding Strap
- Knock-out Holes for Conduit Attachment



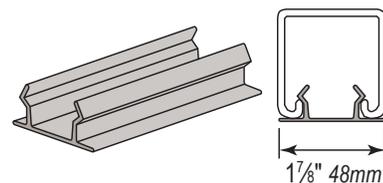
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W6445S	--	B6445S

## Receptacle Box



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b>		
W6445	LL41NC	EF40

## Closure Strip (19 ga.)



Use of Closure Strip with UL listed channel completes UL Listed surface metal raceway. Standard finish: PG

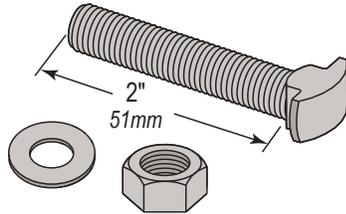
SPECIFYING Brand & Part No.	Use with Conduit	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
W6500	Galvanized	VA9	CA-10 GAL
W6500PLASTIC	Plastic	--	CA-10 PVC

Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{7}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)

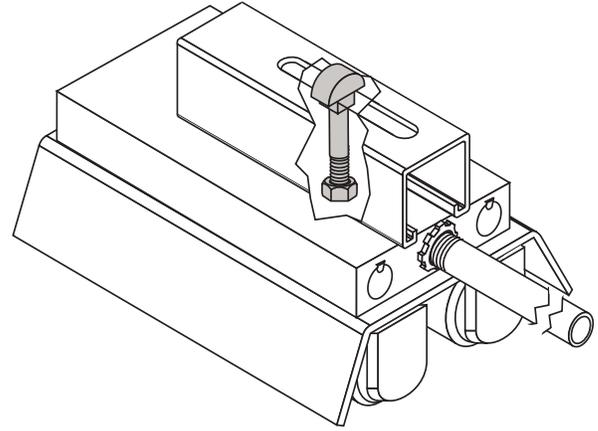


Standard Finish: Electro Galvanized (EG)

## Shoulder Bolt $\frac{3}{8}$ "-16 x 2"



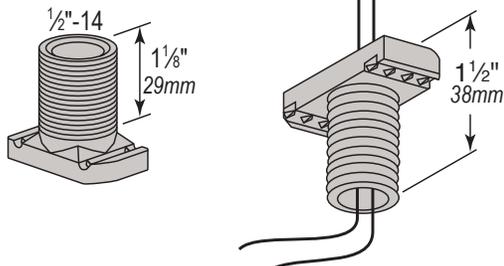
$\frac{3}{8}$ "-16 x 2- $\frac{1}{4}$ " shoulder bolt with special head to fit through channel slots. Bolt extends  $\frac{3}{4}$ " (19mm) below 1- $\frac{5}{8}$ " (41mm) channels. Hex nut included.



SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6463	FF200	--

## Aluminum Wiring Stud

$\frac{1}{2}$ "-14 Thread 1- $\frac{1}{8}$ " (29mm) Long

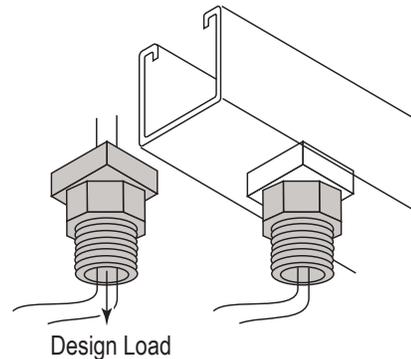


$\frac{1}{2}$ " threaded nipple nut for connecting fluorescent fixtures directly to raceway or H.I.D. fixtures. W6462 provides 1" (25mm) clearance when used through channel K.O. or  $\frac{3}{4}$ " (19mm) when supported by channel from slot.

SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6462	EB22	EF21

## $\frac{3}{4}$ " Nipple Assembly

For  $\frac{1}{2}$ " Knock-Outs



This adapter works with manufacturers standard  $\frac{1}{2}$ " Knock-out raceway channel or fixture hanger.  $\frac{3}{4}$ " male pipe thread nipple can be removed if  $\frac{3}{4}$ " female thread is required.

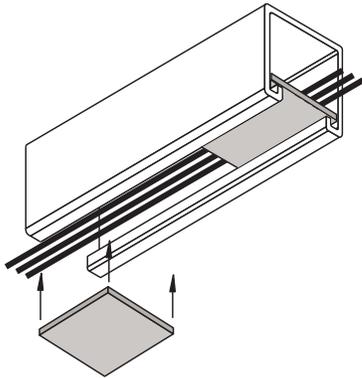
SPECIFYING Brand & Part No.	Design Load	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W6400	12 Ga. Channel 200 (0.90 kN)	EB23A	--

Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center: 1- $\frac{7}{8}$ " (48mm); Width: 1- $\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



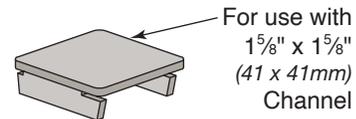
## Fiber Wire Retainer

Holds wire in place while W6500 closure strip is installed.  
Fits all raceway channels.



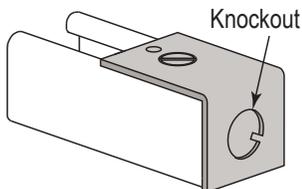
SPECIFYING Brand & Part No.	DISCONTINUED Brands & Part No.	
	VERSABAR	FLORIDA STRUT
W6469	LL42	--

## Wireway End Cap



SPECIFYING Brand & Part No.	Channel Size	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
W5920	1-5/8" (41mm)	--	--

## End Cap with Knock-outs



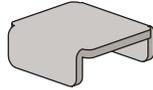
SPECIFYING Brand & Part No.	Knock-out Size	Channel Size	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
W5945	1/2" (13mm)	3-1/4" (86mm)	VF1003A1150	--
W5946	3/4" (19mm)		VF1003A1175	--
W5947	1/2" (13mm)	2-1/2" (64mm)	VF1003A350	--
W5944	3/4" (19mm)		VF1003A375	--
W5940	1/2" (13mm)	1-5/8" (41mm)	VF1003A150	EF200050
W5941	3/4" (19mm)		VF1003A175	EF200075
W5942	1/2" (13mm)	1-3/8" (35mm)	VF1003A650	--
W5943	3/4" (19mm)		VF1003A675	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



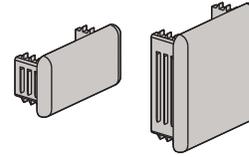
Standard Finish: Electro Galvanized (EG)

## End Caps



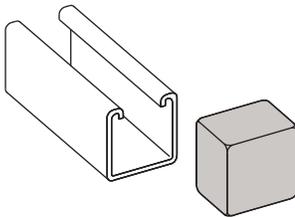
SPECIFYING Brand & Part No.	Channel Usage	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5909	3-1/4" - 12 gauge	VF100111	--
W5908	2-1/2" - 12 gauge	VF10013	--
W5910	2-7/16" - 12 gauge	--	--
W5930	1-5/8" - 12 gauge	VF1001	EC10
W5931	1-5/8" - 14 Gauge	VF10012	EC11
W5933	1-3/8" - 12 gauge	VF10016	--
W5938	1" - 12 gauge	VF100110	--
W5935	7/8" - 12 gauge	--	EC12
W5936	13/16" - 14 Gauge	VF10014	EC12

## Polyurethane End Caps



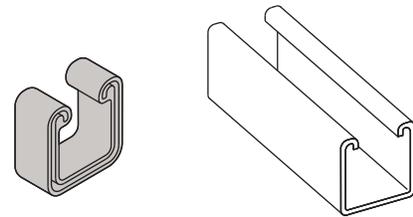
SPECIFYING Brand & Part No.	Color	Channel Usage	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5920PLASTICWHT	White	1-5/8"	--	--
W5920PLASTICRED	Red		--	--
W5925PLASTICWHT	White	13/16" & 7/8"	--	--
W5925PLASTICRED	Red		--	--

## Cover Plastic End Caps



SPECIFYING Brand & Part No.	Color	Channel Usage	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5900PLASTIC	White	3-1/4" or	VF100111PL	--
W5900PLASTICRED	Red	1-5/8" Back to Back	--	--
W5930PLASTIC	White	1-5/8" or	VF10011PL	EC09000VC
W5930PLASTICRED	Red	13/16" Back-to-Back	--	EC09000RVC
W5935PLASTIC	White	13/16"	VF10014PL	EC08000VC
W5935PLASTICRED	Red		--	EC08000RVC

## Form Fit Plastic End Caps



SPECIFYING Brand & Part No.	Channel Usage	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5900-M	1-5/8" Back to Back 12 gauge	--	--
W5930-M	1-5/8" - 12 gauge 1-5/8" - 14 Gauge	--	--
W5935-M	13/16" - 14 Gauge	--	--

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



### Porce-A-Clamp® Cable Clamp

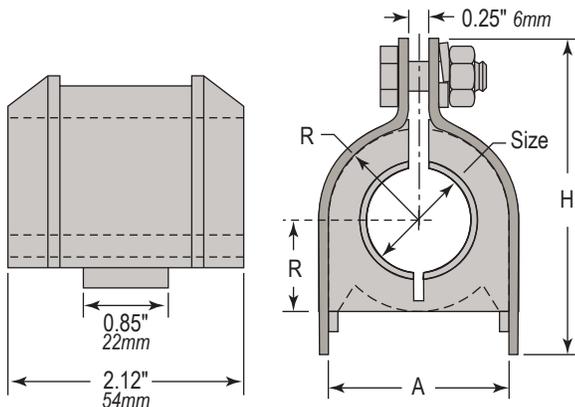


The hinged cushion allows easy installation of the wire, but the components will not get separated and lost or broken.

Replaces Porcelain and Maple Cable Clamp. Assembly consists of thermoplastic elastomer cushion with plated or stainless steel clamp. Plated steel and stainless are both supplied with Silicon Bronze bolt and nut.

- Non-breakable material
- Chemical and UV resistant
- **U.L. Listed** - Burning stops within 10 seconds after two applications of ten seconds each of a flame to a test bar with no flaming drips.
- Plated Steel, or Stainless steel clamps
- Tapered flange to protect cable
- Dielectric strength 640 volts per mil
- One piece cushion design, available with Flame retardant / Halogen Free cushions
- Silicon Bronze Hardware used to Breakup the Magnetic field around the Cable at the Clamping Location.

Part No.	Dimensions (In.)			Total Assy. Height - H
	Hole Dia.	A	R	
006CC018	3/8"	1.12" (28mm)	0.56" (14mm)	1.82" (46mm)
008CC018	1/2"			
010CC018	5/8"	1.62" (41mm)	0.81" (21mm)	2.34" (59mm)
012CC026	3/4"			
014CC026	7/8"			
016CC026	1"			
018CC026	1-1/8"	2.62" (67mm)	1.31" (33mm)	3.50" (89mm)
020CC034	1-1/4"			
022CC034	1-3/8"			
024CC034	1-1/2"			
026CC034	1-5/8"	3.12" (79mm)	1.56" (40mm)	4.05" (103mm)
028CC042	1-3/4"			
030CC042	1-7/8"			
032CC042	2"			
034CC042	2-1/8"	3.62" (92mm)	1.81" (46mm)	4.75" (121mm)
036CC050	2-1/4"			
038CC050	2-3/8"			
040CC050	2-1/2"			
042CC050	2-5/8"	4.62" (117mm)	2.31" (59mm)	5.54" (141mm)
044CC058	2-3/4"			
046CC058	2-7/8"			
048CC058	3"			
050CC058	3-1/8"	5.00" (127mm)	2.50" (64mm)	5.92" (150mm)
052CC066	3-1/4"			
054CC066	3-3/8"			
056CC066	3-1/2"			
058CC066	3-5/8"	5.00" (127mm)	2.50" (64mm)	5.92" (150mm)
060CC074	3-3/4"			
062CC074	3-7/8"			
064CC074	4"			
066CC074	4-1/8"	5.00" (127mm)	2.50" (64mm)	5.92" (150mm)
068CC080	4-1/4"			
070CC080	4-3/8"			
072CC080	4-1/2"			



Note: All clamps have Silicon Bronze Hardware			
SUFFIX	Clamp	Cushion	Example
Z	Plated Steel	Flame Retardant	006CC018Z
S	Stainless Steel		006CC018S
ZH	Plated Steel	Flame Retardant Halogen Free	006CC018ZH
SH	Stainless Steel		006CC018SH

Hole Diameter: 3/8" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

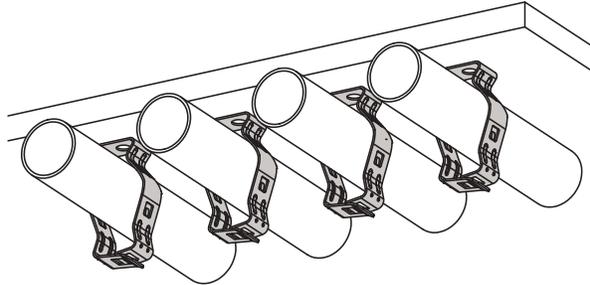


# Spring Steel

## Electrical Positioning and Support Products

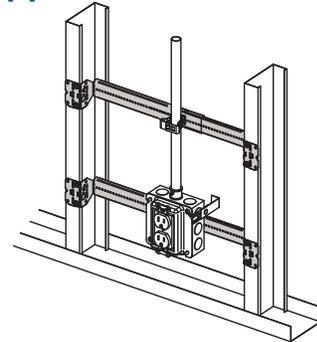
### Conduit and Cable Supports

Pages 210 - 219



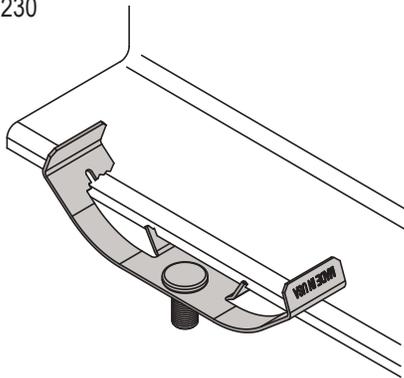
### Stud Wall Applications

Pages 231 - 236



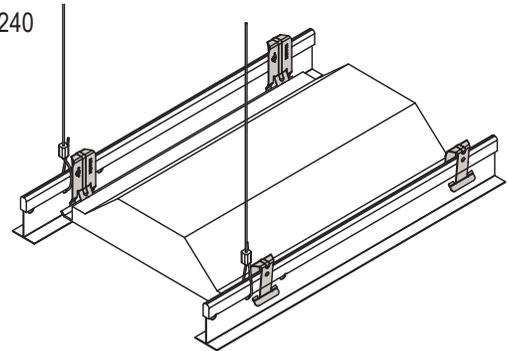
### Structural Attachment

Pages 220 - 230



### Ceiling and Acoustical Applications

Pages 237 - 240



Spring Steel Specifications	
Material	ASTM Description
Spring Steel	Cold Roll, ASTM A684 Grade 1055 Spring Steel
Carbon Steel	ASTM A1011-00 SS GR 33 or ASTM A1011-00CS Type B

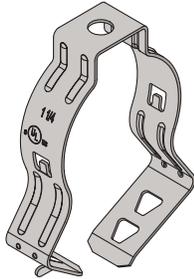
Spring Steel Finish Specifications	
Finish	Description
Black Zinc Phosphate	The coating is a phosphate treatment meeting the requirements of ASTM F1137, providing a corrosion-resistant crystalline layer—typically zinc, iron, or manganese phosphate—suitable for use as a base for lubricants or paint. The coating is uniform, adherent, and tested in accordance with ASTM F1137 procedures.
Silva-Guard	Silva-Guard coating is a multi-step process that meets the 1000 hour salt spray test per ASTM B117 and DIN 50021. Silva-Guard coating is WEEE, ELV and RoHS compliant. SG Finish is approved for outdoor as well as indoor applications. It is a chrome free duplex coating system that combines an inorganic zinc-rich base coat with an aluminum-rich organic topcoat.
Electroplated Zinc or Electro-Galvanized	This coating is standard for most products. Electro-Galvanized products meet ASTM B633 SC1 or SC3, Type III. Electroplating deposits zinc on the surface of the steel by electrolysis from a bath of zinc salts.
Pre-galvanized Zinc	ASTM A653 G-90 Pre-galvanized zinc is produced by continuously rolling steel coils or sheets through molten zinc at the mills.

See page 23 for Material or Finish ordering codes for part numbers.

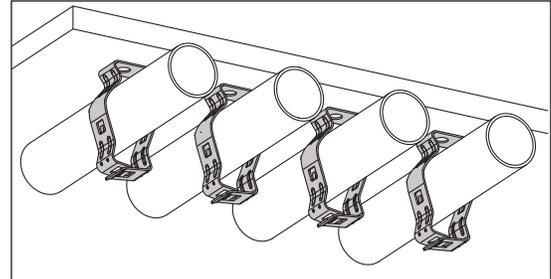


## CC/CCT

Conduit Clips

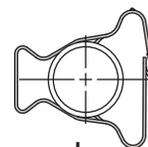


- For vertical or horizontal conduit and pipe applications.
- Threaded version can be used with 1/4"-20 threaded rods.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

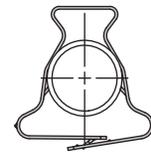


Part No.	Mounting Hole	Conduit Size
CC6 *	3/32" Thru Hole	3/8" Flexible Conduit
CC812	3/32" Thru Hole	1/2" or 3/4" EMT, Rigid
CCT812	1/4"-20 Thread Form	
CC16	3/32" Thru Hole	1" EMT, Rigid
CCT16	1/4"-20 Thread Form	
CC20	3/32" Thru Hole	1-1/4" EMT, Rigid
CCT20	1/4"-20 Thread Form	
CC24	3/32" Thru Hole	1-1/2" EMT, Rigid
CCT24	1/4"-20 Thread Form	
CC32	3/32" Thru Hole	2" EMT, Rigid
CCT32	1/4"-20 Thread Form	

\* Not a UL Listed Product



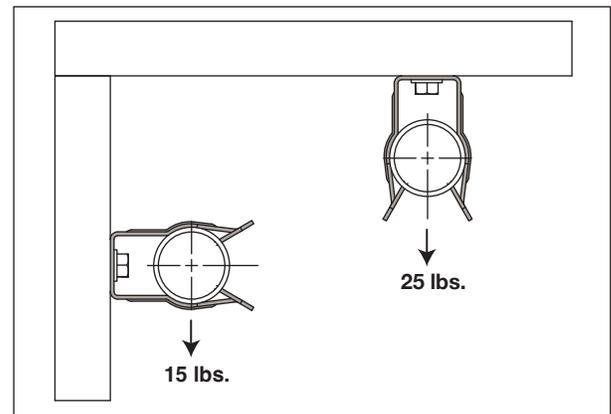
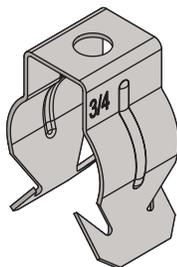
30 lbs



120 lbs

## CCP

Conduit "Push In" Clips



15 lbs.

25 lbs.

- Eliminates need for conduit offset bending.
- For vertical or horizontal conduit and pipe applications.
- Simple Push-in design
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Mounting Hole	Conduit Size
CCP8	3/32" Thru Hole	1/2" EMT
CCP12		3/4" EMT, 1/2", Rigid
CCP16		1" EMT, 3/4" Rigid



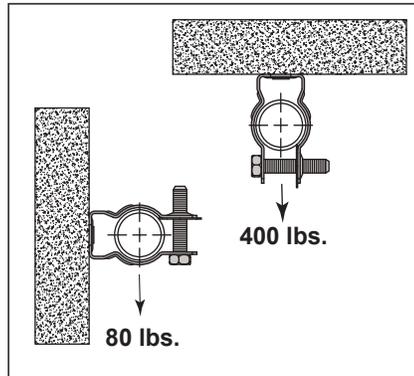
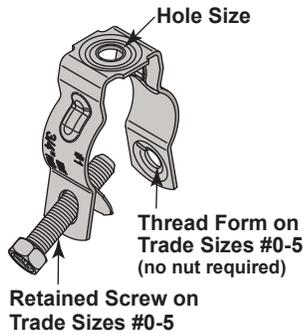
# Conduit and Cable Support



Standard Finish: Black Zinc Phosphate or Pregalvanized (PG)

## PCH

Pipe and Conduit Hanger



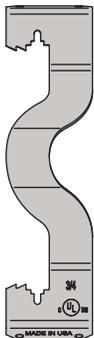
Part No.	Trade Size	Conduit Size		Hole Size
		EMT	Rigid	
PCH037050	0	1/2"	3/8", 1/2"	1/4"
PCH075	1	3/4"	3/4"	1/4"
PCH100	2	1"	1"	1/4"
PCHE125	2.5	1-1/4"	-	1/4"
PCH125	3	1-1/2"	1-1/4"	1/4"
PCH150	4	-	1-1/2"	5/16"
PCH200	5	2"	2"	5/16"
PCH250 *	6	2-1/2"	2-1/2"	5/16"
PCH300 *	7	3"	3"	5/16"
PCH350 *	8	3-1/2"	3-1/2"	5/16"
PCH400 *	9	4"	4"	5/16"

\* EG finish and pan head, hex nut hardware.

- PCH #0-5 come with retained combo head screw and thread form.
- Combo head screw allows Robertson, Phillips, Slotted and Hex drivers.
- Supports vertical and horizontal installations of 3/8" - 4" Pipe and Conduit.
- 1/4"-20 Thread Form Hole Size available. Add suffix TF to Catalog Number.
- Also available in 304 and 316 Stainless Steel.
- **Material:** Steel
- **Finish:** Pregalvanized

## WC/WCBW

Wing Clip Conduit Hanger



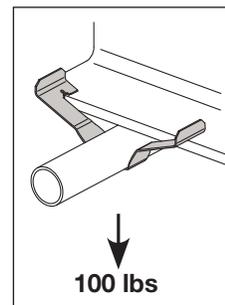
Conduit Size	#12 & #10 Wire	#9 & #8 Wire	3/16" & 1/4" Rod	1/8" Thru 1/4" Flange	5/16" Thru 3/8" Flange	7/16" Thru 1/2" Flange
1/2" EMT	WC8	WC8	WC8	WC8	WC12	WC12
1/2" RIGID		WC12	WC12	WC12		WC16
3/4" EMT	WC12			WC16	WC16	WC20
3/4" RIGID		WC16				
1" EMT	-	WC16	-	WC20	WC20	WC20
1" RIGID	-	-	-			
1-1/4" EMT	-	WC20	WC20	-	-	-

WC clip shown

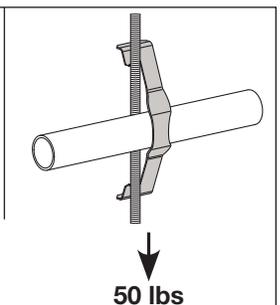
MC/AC Cable Size	#12, #10, #9 & #8 Wire
14 - 2 (.433-.475 O.D.)	WCBW
14 - 3 (.453-.500 O.D.)	WCBW
12 - 2 (.467-.475 O.D.)	WCBW
12 - 3 (.489-.535 O.D.)	WCBW
WCBW For Position Only	

- Supports conduit and pipe to a rod, wire, or flange.
- No installation tools required.
- Box Qty 100 for all sizes.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Flange Installation



Wire or Rod Installation

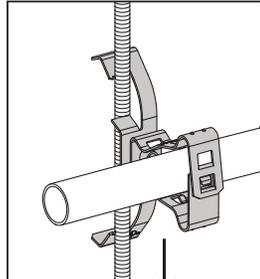
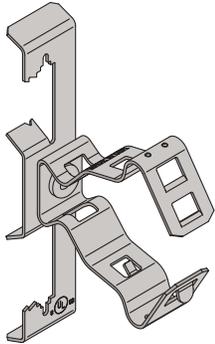


## MFC

Multi-Function Clip with Assemblies



Wire or Rod Installation



50 lbs

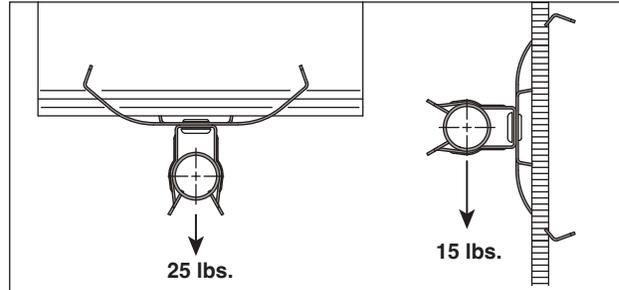
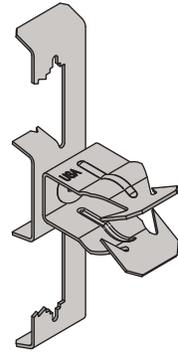
- Supports conduit and pipe to a rod, wire or flange.
- No tools required. Easy adjustment after installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Flange Size	Threaded Rod Size	Conduit Size or Threads
MFC6 *	1/8" - 3/8"	#12 - 1/4" wire or rod with or without Threads	3/8" Flexible Conduit
MFC812			1/2" EMT, Rigid 3/4" EMT, Rigid
MFC16			1" EMT, Rigid

\* Not a UL Listed Product

## MFCCCP

Multi-Function Clip with Conduit "Push In" Clip

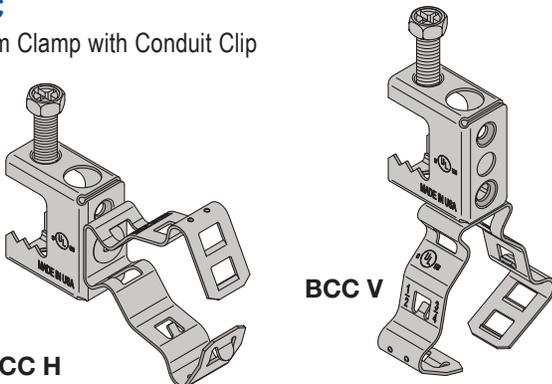


- No tools required for installation of conduit.
- Supports conduit to a rod, wire or flange.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Flange Size	Wire or Rod Size	Conduit Size
MFCCCP8	1/8" - 3/8"	#12 - 1/4" wire or rod with or without Threads	1/2" EMT
MFCCCP12			3/4" EMT, 1/2" Rigid
MFCCCP16			1" EMT, 3/4" Rigid

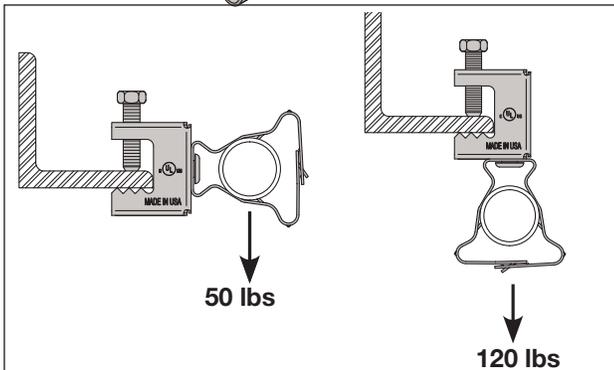
## BCC

Beam Clamp with Conduit Clip



BCC H

BCC V



50 lbs

120 lbs

Part No.	Conduit Size
BCC6HM *	3/8" Flexible Conduit
BCC812HM	1/2" & 3/4" EMT, Rigid
BCC16HM	1" EMT, Rigid
BCC20HM	1-1/4" EMT, Rigid
BCC24HM	1-1/2" EMT, Rigid
BCC32HM	2" EMT, Rigid
BCC6VM	3/8" Flexible Conduit
BCC812VM	1/2" & 3/4" EMT, Rigid
BCC16VM	1" EMT, Rigid
BCC20CM	1-1/4" EMT, Rigid
BCC24VM	1-1/2" EMT, Rigid
BCC32VM	2" EMT, Rigid

\* Not a UL Listed Product



- Eliminates offset bending of conduit.
- For installation on 1/2" maximum flanges.
- Included combo head screw allows Robertson, Phillips/Slotted and Hex drivers.
- Conduit clip rotates 360 degrees.
- For support of conduit per NEC 344.30(B).
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



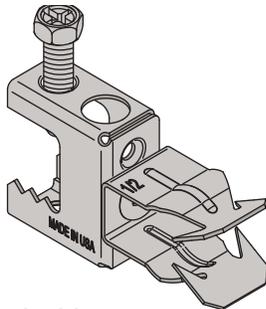
# Conduit and Cable Support



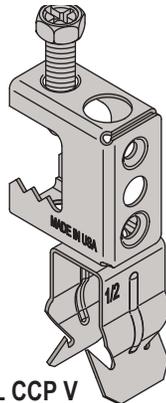
Standard Finish: Black Zinc Phosphate

## BCL CCP

Beam Clamp with Conduit "Push In" Clip

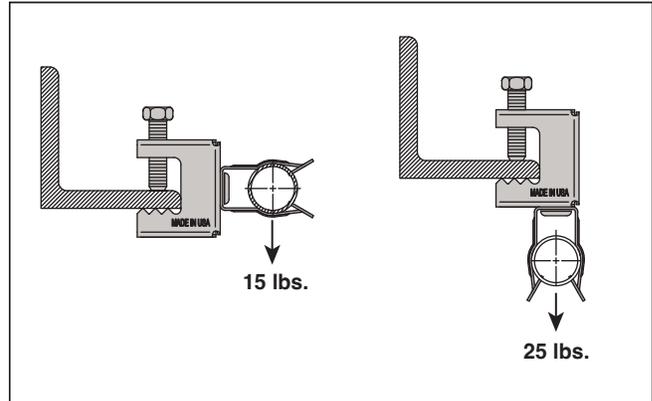


BCL CCP H



BCL CCP V

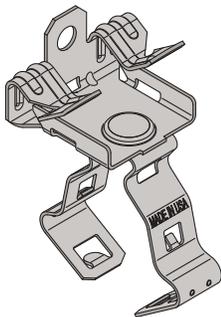
- Eliminates offset bending of conduit.
- For installation on 1/2" maximum flanges.
- Included combo head screw allows Robertson, Phillips/Slotted and Hex drivers.
- Conduit clip rotates 360 degrees.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



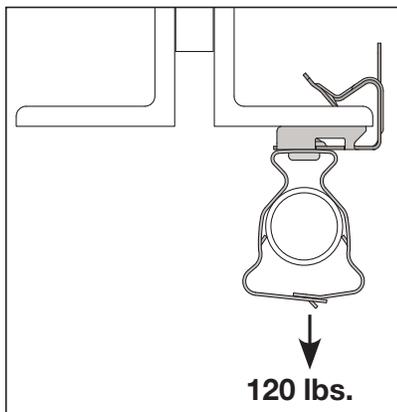
Part No.	Conduit Size
BCLCCP8HM	1/2" EMT
BCLCCP12HM	3/4" EMT, 1/2" Rigid
BCLCCP16HM	1" EMT, 3/4" Rigid
BCLCCP8VM	1/2" EMT
BCLCCP12VM	3/4" EMT, 1/2" Rigid
BCLCCP16VM	1" EMT, 3/4" Rigid

## FH C

Flange Clip with Conduit Clip



- Supports pipe and conduit from beam flanges.
- Conduit clip rotates 360 degrees.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



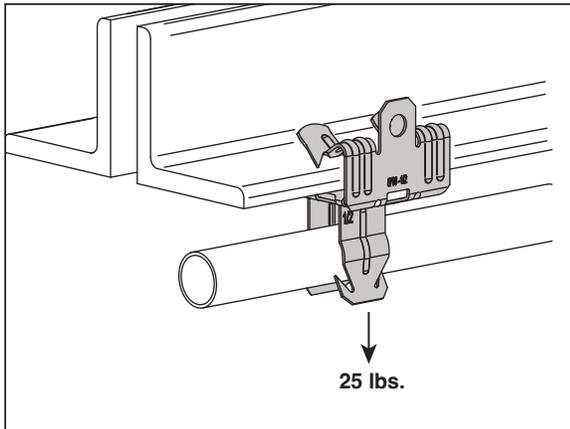
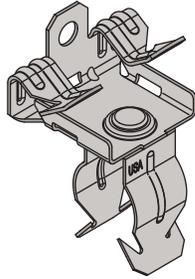
Part No.	Min. - Max. Flange Thickness	Conduit Size
FH24CC6 *	1/8" - 1/4" (3mm - 6mm)	3/8" Flexible Conduit
FH58CC6 *	5/16" - 1/2" (8mm - 13mm)	
FH912CC6 *	9/16" - 3/4" (14mm - 19mm)	
FH24CC812	1/8" - 1/4" (3mm - 6mm)	1/2" & 3/4" EMT, Rigid
FH58CC812	5/16" - 1/2" (8mm - 13mm)	
FH912CC812	9/16" - 3/4" (14mm - 19mm)	
FH24CC16	1/8" - 1/4" (3mm - 6mm)	1" EMT, Rigid
FH58CC16	5/16" - 1/2" (8mm - 13mm)	
FH912CC16	9/16" - 3/4" (14mm - 19mm)	
FH23CC20	1/8" - 1/4" (3mm - 6mm)	1-1/4" EMT, Rigid
FH58CC20	5/16" - 1/2" (8mm - 13mm)	
FH912CC20	9/16" - 3/4" (14mm - 19mm)	
FH24CC24	1/8" - 1/4" (3mm - 6mm)	1-1/2" EMT, Rigid
FH58CC24	5/16" - 1/2" (8mm - 13mm)	
FH912CC24	9/16" - 3/4" (14mm - 19mm)	
FH24CC32	1/8" - 1/4" (3mm - 6mm)	2" EMT, Rigid
FH58CC32	5/16" - 1/2" (8mm - 13mm)	
FH912CC32	9/16" - 3/4" (14mm - 19mm)	

\* Not a UL Listed Product



## FH CCP

Flange Clip with  
Conduit "Push In" Clip

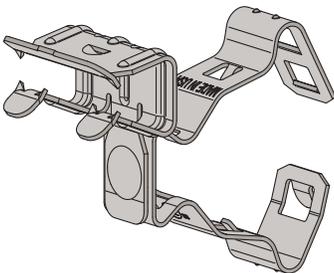


- Supports conduit from beam flanges.
- Conduit clip rotates 360 degrees.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

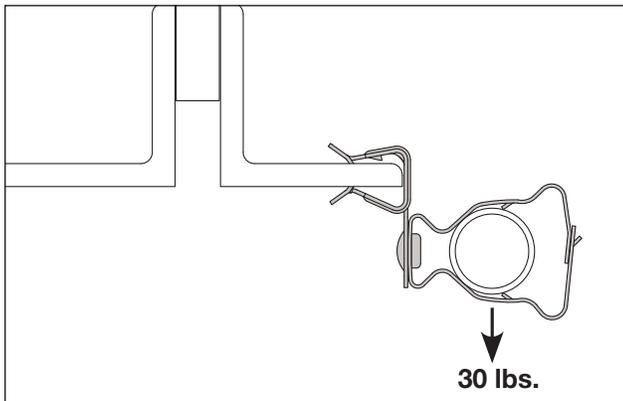
Part No.	Min. - Max. Flange Thickness	Conduit Size
FH24CCP8	1/8" - 1/4" (3mm - 6mm)	1/2" EMT
FH58CCP8	5/16" - 1/2" (8mm - 13mm)	
FH912CCP8	9/16" - 3/4" (14mm - 19mm)	
FH24CCP12	1/8" - 1/4" (3mm - 6mm)	3/4" EMT, 1/2" Rigid
FH58CCP12	5/16" - 1/2" (8mm - 13mm)	
FH912CCP12	9/16" - 3/4" (14mm - 19mm)	
FH24CCP16	1/8" - 1/4" (3mm - 6mm)	1" EMT, 3/4" Rigid
FH58CCP16	5/16" - 1/2" (8mm - 13mm)	
FH912CCP16	9/16" - 3/4" (14mm - 19mm)	

## FHS C

Flange Clip Side Mount with Conduit Clip



- Supports pipe and conduit from beam flanges.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



Part No.	Min. - Max. Flange Thickness	Conduit Size
FHS24CC6 *	1/8" - 1/4" (3mm - 6mm)	3/8" Flexible Conduit
FHS58CC6 *	5/16" - 1/2" (8mm - 13mm)	
FHS912CC6 *	9/16" - 3/4" (14mm - 19mm)	
FHS24CC812	1/8" - 1/4" (3mm - 6mm)	1/2" & 3/4" EMT, Rigid
FHS58CC812	5/16" - 1/2" (8mm - 13mm)	
FHS912CC812	9/16" - 3/4" (14mm - 19mm)	
FHS24CC16	1/8" - 1/4" (3mm - 6mm)	1" EMT, Rigid
FHS58CC16	5/16" - 1/2" (8mm - 13mm)	
FHS912CC16	9/16" - 3/4" (14mm - 19mm)	
FHS24CC20	1/8" - 1/4" (3mm - 6mm)	1-1/4" EMT, Rigid
FHS58CC20	5/16" - 1/2" (8mm - 13mm)	
FHS912CC20	9/16" - 3/4" (14mm - 19mm)	
FHS24CC24	1/8" - 1/4" (3mm - 6mm)	1-1/2" EMT, Rigid
FHS58CC24	5/16" - 1/2" (8mm - 13mm)	
FHS912CC24	9/16" - 3/4" (14mm - 19mm)	
FHS24CC32	1/8" - 1/4" (3mm - 6mm)	2" EMT, Rigid
FHS58CC32	5/16" - 1/2" (8mm - 13mm)	
FHS912CC32	9/16" - 3/4" (14mm - 19mm)	

\* Not a UL Listed Product



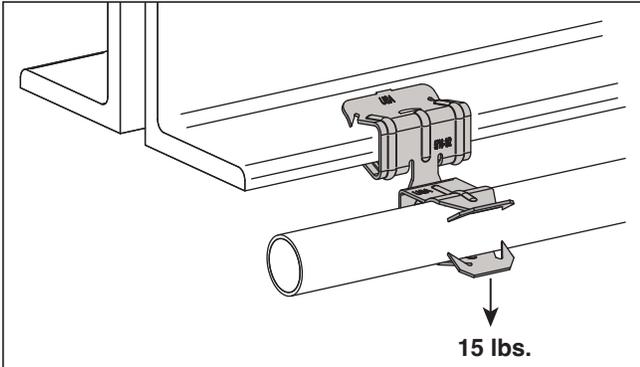
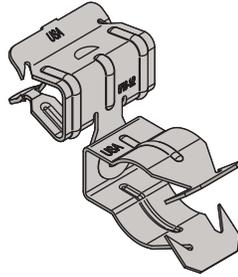
# Conduit and Cable Support



Standard Finish: Black Zinc Phosphate or Electro-Galvanized (EG)

## FHS CCP

Flange Clip Side Mount with Conduit "Push In" Clip

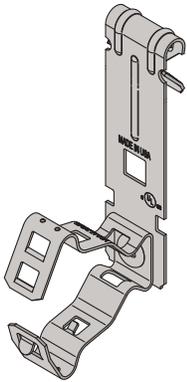


- Supports conduit from beam flanges.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Min. - Max. Flange Thickness	Conduit Size
FHS24CCP8	1/8" - 1/4" (3mm - 6mm)	1/2" EMT
FHS58CCP8	5/16" - 1/2" (8mm - 13mm)	
FHS912CCP8	9/16" - 3/4" (14mm - 19mm)	
FHS24CCP12	1/8" - 1/4" (3mm - 6mm)	3/4" EMT, 1/2" Rigid
FHS58CCP12	5/16" - 1/2" (8mm - 13mm)	
FHS912CCP12	9/16" - 3/4" (14mm - 19mm)	
FHS24CCP16	1/8" - 1/4" (3mm - 6mm)	1" EMT, 3/4" Rigid
FHS58CCP16	5/16" - 1/2" (8mm - 13mm)	
FHS912CCP16	9/16" - 3/4" (14mm - 19mm)	

## FHV CC

Flange Hanger with Conduit Clip

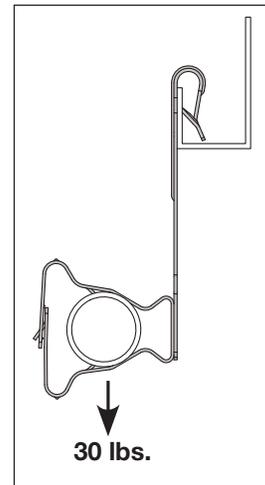


- Supports pipe and conduit from bar joist's and "C" purlin's.
- Compatible with many industry standard installation tools.
- 1/16" - 1/4" flange thickness range.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



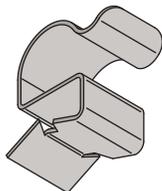
Part No.	Min. - Max. Flange Thickness	Conduit Size
FHV3CC6 *	1/16" - 1/4"	3/8" Flexible Conduit
FHV3CC812		1/2" & 3/4" EMT, Rigid
FHV3CC16		1" EMT, Rigid

\* Not a UL Listed Product

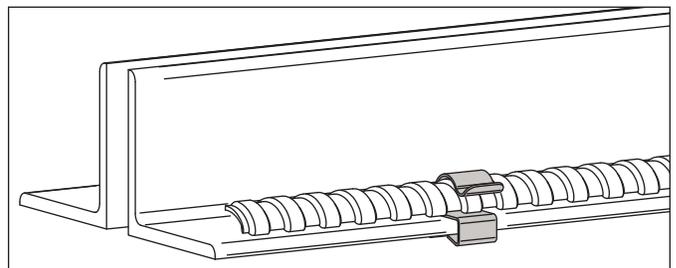


## CFC

Conduit Clip to Flange



Part No.	Flange Thickness	Cable O.D.
CFC2D	1/16" - 3/16"	0.46 - 0.56
CFC4D	3/16" - 9/32"	0.46 - 0.56
CFC4E		0.50 - 0.72
CFC8D	5/16" - 1/2"	0.46 - 0.56
CFC8E		0.50 - 0.72



- Supports flexible conduit and cable from flanges.
- Simple Push-in clip design.
- **Material:** Steel
- **Finish:** Electro-Galvanized



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

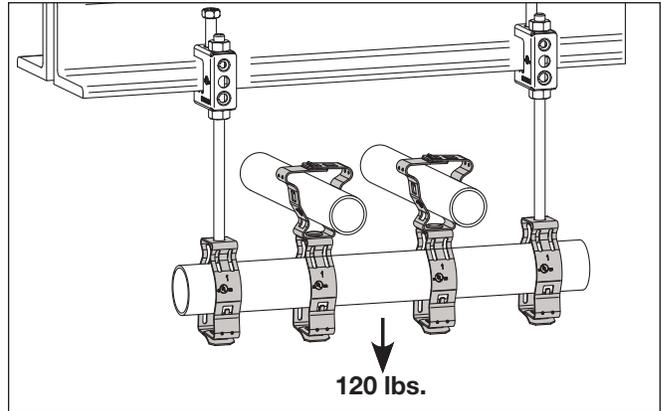
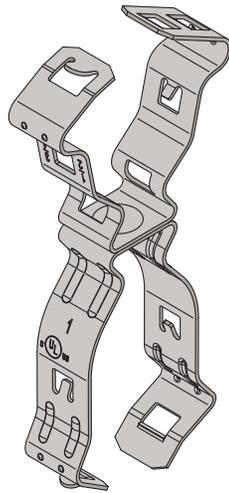
Roofing Supports

Fiberglass System

Technical Data

### CC CC

Conduit Clip  
with Conduit Clip



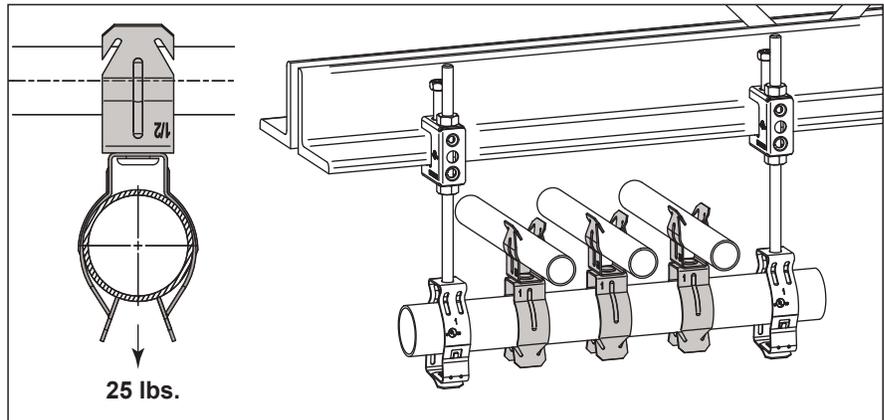
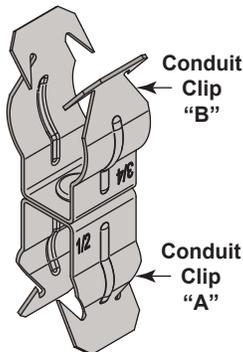
- No screws or bolts required.
- For lightweight trapeze systems.
- Conduit clip rotates 360 degrees.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Conduit Clip
CC16CC6 *	3/8" Flexible Conduit
CC16CC812	1/2" or 3/4" EMT, Rigid
CC16CC16	1" EMT, Rigid
CC16CC20	1-1/4" EMT, Rigid
CC16CC24	1-1/2" EMT, Rigid
CC16CC32	2" EMT, Rigid

\* Not a UL Listed Product

### CCP CCP

Conduit "Push In" Clip with Conduit  
"Push In" Clip



- No tools required for conduit installation.
- For lightweight trapeze systems.
- Conduit clips rotate 360 degrees.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Conduit Clip "A"	Conduit Clip "B"
CCP8CCP8	1/2" EMT	1/2" EMT
CCP8CCP12		3/4" EMT, 1/2" Rigid
CCP8CCP16	3/4" EMT, 1/2" Rigid	1" EMT, 3/4" Rigid
CCP12CCP12		3/4" EMT, 1/2" Rigid
CCP12CCP16		1" EMT, 3/4" Rigid
CCP16CCP16	1" EMT, 3/4" Rigid	1" EMT, 3/4" Rigid



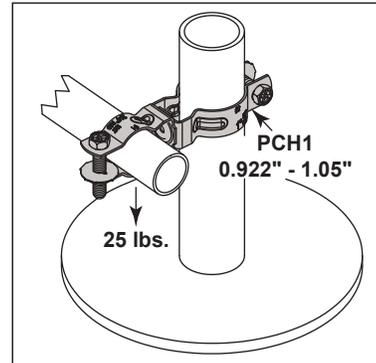
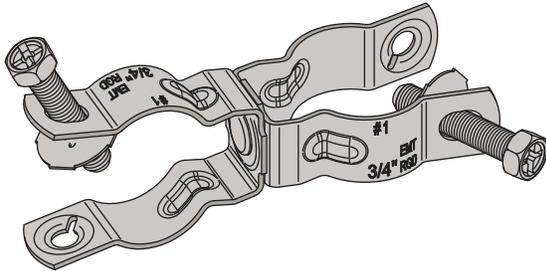
# Conduit and Cable Support



Standard Finish: Pregalvanized (PG) or Electro-Galvanized (EG)

## PCH PCH

Pipe and Conduit Hanger with Pipe and Conduit Hanger

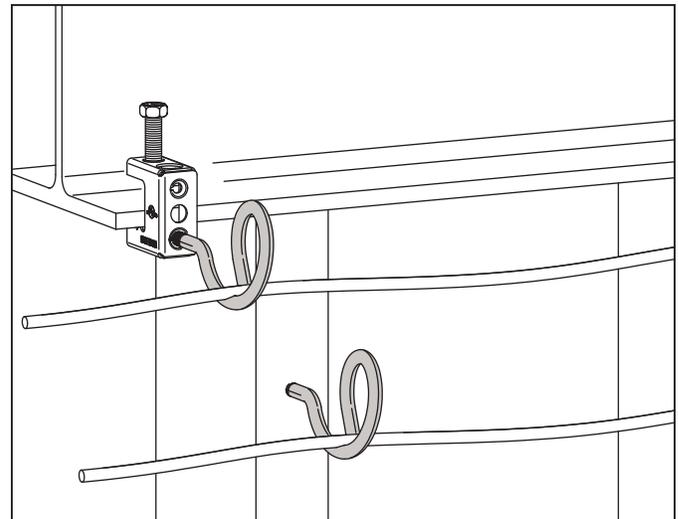
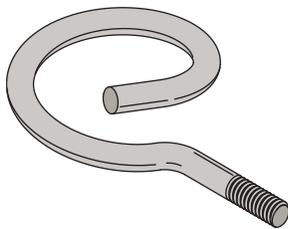


- Supports conduit and pipe from 1" O.D. computer floor pedestals.
- Retained combo head screw allows Robertson, Phillips/ Slotted and Hex drivers.
- Conduit clip rotates 360 degrees.
- Suitable for air handling spaces (plenums) (remove washer at assembly)
- Also available in 304 and 316 Stainless Steel.
- **Material:** Steel
- **Finish:** Pregalvanized

Part No.	Trade Size	Conduit Size	
		EMT	Rigid
PCH075PCH037050	0	1/2"	3/8", 1/2"
PCH075PCH075	1	3/4"	3/4"
PCH075PCH100	2	1"	1"
PCH075PCHE125	2.5	1-1/4"	-
PCH075PCH125	3	1-1/2"	1-1/4"

## BR

Bridle Ring



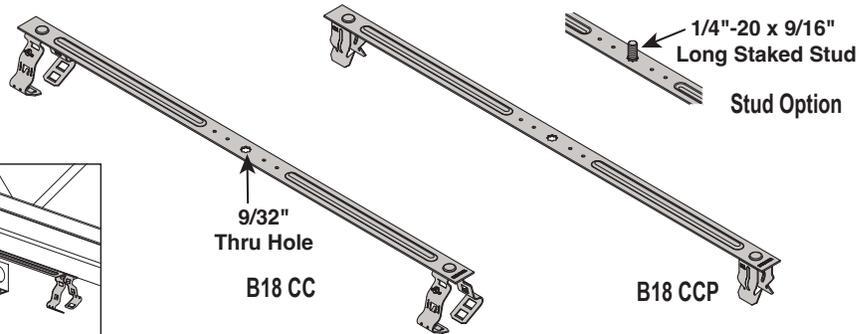
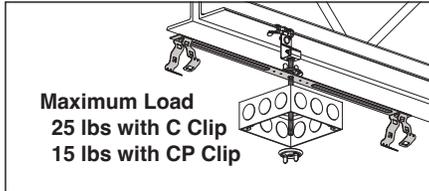
Part No.	Ring Size I.D.	Thread Size
BR1012	3/4"	#10-24
BR1020	1-1/4"	#10-24
BR2520		1/4"-20
BR2520WS	2"	1/4" Wood Screw
BR1032		#10-24
BR2532	2"	1/4"-20
BR2532WS		1/4" Wood Screw

- Supports low voltage communication cable.
- Compatible with many other fasteners for support from purlin, T-grid, drop wire, and beam flanges.
- **Material:** Steel
- **Finish:** Electro-galvanized



## B18 CC CCP

Box to Conduit Support, Snap Close or Push-In Conduit Clips



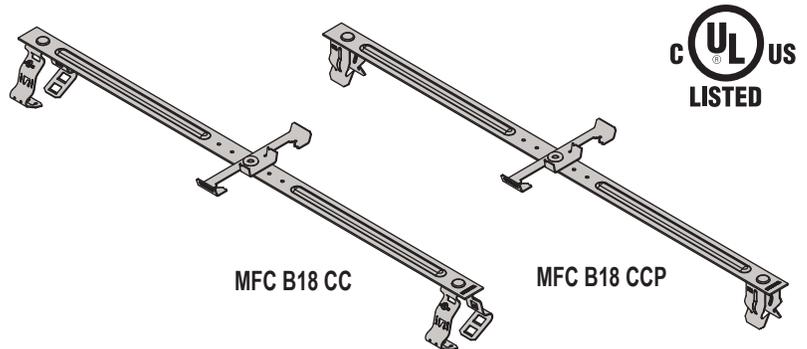
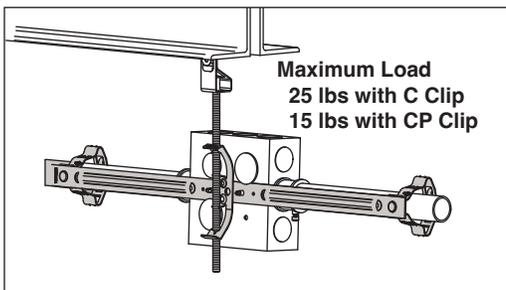
Part No.	Description	Conduit Size
B18 CC6 *	Box Support with through hole	3/8" Flexible Conduit
BS18 CC6S *	Box Support with 1/4" Threaded Stud	
B18 CC8-12	Box Support with through hole	1/2" & 3/4" EMT, Rigid
BS18 CC8-12S	Box Support with 1/4" Threaded Stud	
B18 CC16	Box Support with through hole	1" EMT, Rigid
BS18 CC16S	Box Support with 1/4" Threaded Stud	
B18 CCP8 *	Box Support with through hole	1/2" EMT
BS18 CCP8S *	Box Support with 1/4" Threaded Stud	
B18 CCP12 *	Box Support with through hole	3/4" EMT or 1/2" Rigid
BS18 CCP12S *	Box Support with 1/4" Threaded Stud	
B18 CCP16 *	Box Support with through hole	1" EMT or 3/4" Rigid
BS18 CCP16S *	Box Support with 1/4" Threaded Stud	

\* Not a UL Listed Product

- For support of conduit per NEC344.30(B).
- SDTSLP8X1/2 low profile screws recommended for installation, see page 236.
- For wet or dry applications.
- Dedicated drop wire/rod secured (anchor) at both ends required per NEC 300.11.
- Two B18 through hole assemblies may be used by mounting 90° to each other.
- Not for fixture or ceiling fan support.
- **Material:** Steel/Spring Steel
- **Finish:** Black Zinc Phosphate

## MFC B18 CC CCP

Multi-function clip to Box and Conduit Support



Part No.	Description for 1/4" Threaded Rod Size	Conduit Size
MFC B18 CC6 *	Box Support with multi-function clip and snap close conduit clips	3/8" Flexible Conduit
MFC B18 CC8-12		
MFC B18 CC16	Box Support with multi-function clip and push-in conduit clips	1/2" & 3/4" EMT, Rigid
MFC B18 CCP8 *		
MFC B18 CCP12 *	1" EMT, Rigid	
MFC B18 CCP16 *		

\* Not a UL Listed Product

- For support of conduit per NEC344.30(B).
- SDTSLP8X1/2 low profile screws recommended for installation, see page 236.
- For wet or dry applications.
- Multi-function clip requires dedicated drop wire/rod per NEC 300.11.
- Two screws are required when mounting box to B18 Support.
- Multi-function clips are for single use only.
- Not for fixture or ceiling fan support.
- **Material:** Steel/Spring Steel
- **Finish:** Black Zinc Phosphate



# Conduit and Cable Support

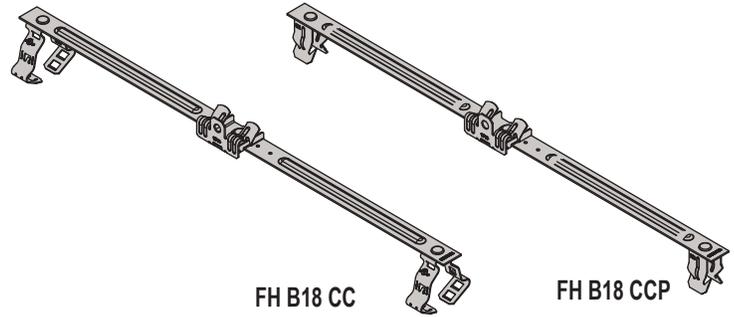
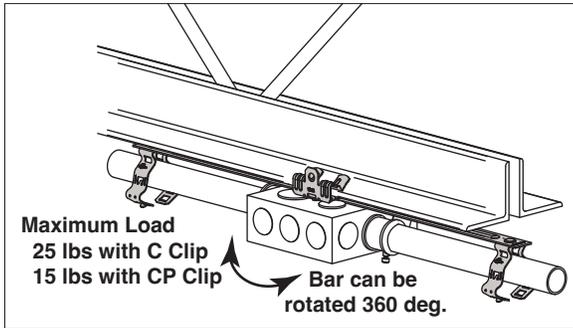


Standard Finish: Black Zinc Phosphate



## FH B18 CC CCP

Flange Clip Hammer-On to Box and Conduit Support



Part No.	Description	Flange Thickness	Conduit Size
FH24B18 CC6 *	Box Support with flange clip hammer on and snap close conduit clips	1/8" - 1/4"	3/8" Flexible Conduit
FH58B18 CC6 *		5/16" - 1/2"	
FH24B18 CC812		1/8" - 1/4"	1/2" & 3/4" EMT, Rigid
FH58B18 CC812		5/16" - 1/2"	
FH24B18 CC16		1/8" - 1/4"	1" EMT, Rigid
FH58B18 CC16		5/16" - 1/2"	
FH24B18 CCP8 *	Box Support with flange clip hammer on and push-in conduit clips	1/8" - 1/4"	1/2" EMT
FH58B18 CCP8 *		5/16" - 1/2"	
FH24B18 CCP12 *		1/8" - 1/4"	3/4" EMT or 1/2" Rigid
FH58B18 CCP12 *		5/16" - 1/2"	
FH24B18 CCP16 *		1/8" - 1/4"	1" EMT or 3/4" Rigid
FH58B18 CCP16 *		5/16" - 1/2"	

\* Not a UL Listed Product

- For support of conduit per NEC344.30(B).
- SDTSLP8X1/2 low profile screws recommended for installation, see page 236.
- For wet or dry applications.
- Two screws are required when mounting box to B18 Support.
- Hammer-on flange hangers are for single use only.
- Not to be used on tapered flanges.
- Not for fixture or ceiling fan support.
- **Material:** Steel/Spring Steel
- **Finish:** Black Zinc Phosphate

## TRH

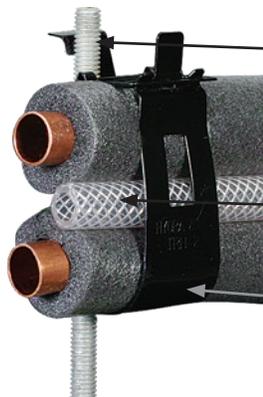
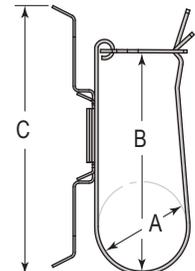
Hanger System

Great for running Communication or Internet Cables



Supports cable runs or a pair of insulated flow and return refrigerant lines on 1/4" to 3/8" threaded rod. Simply fold the lock-tab over to secure the lines into the strap. The spring steel hanger grips the rod tightly, and the black zinc coating offers corrosion resistance while matching the insulation color. The clamp can be detached from the rod hanger and used to secure lines to flat surfaces.

- Black color to match pipe insulation
- Quick to Install
- Quick to Adjust
- Spring steel hanger grips rod tightly
- Rolled steel edges for safe cable runs



Works with 1/4" - 3/8" threaded rod

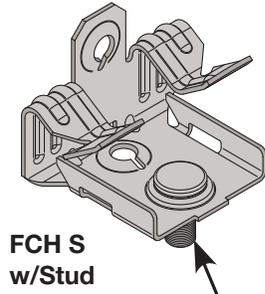
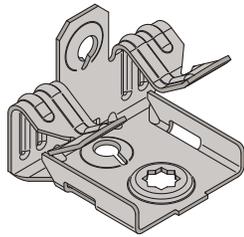
Supports a pair of insulated liquid and suction lines

Spring steel rod hanger can be fitted or adjusted in seconds

Part No. (Pack of 10)	Threaded Rod Sizes	Flow & Return Pipe Pairs	A	B	C	
TRH-2	1/4" - 3/8"	3/8" Liquid & 5/8" Gas	1.28" (33mm)	3.12" (79mm)	3.82" (97mm)	
TRH-3		1/2" Liquid & 7/8" Gas	1.40" (36mm)	3.28" (83mm)	3.70" (94mm)	
TRH-4		5/8" Liquid & 1-1/8" Gas	2.40" (61mm)	4.17" (106mm)	5.00" (127mm)	
TRH-5				3.38" (86mm)	6.26" (159mm)	7.03" (179mm)



**FCH**  
Flange Clip

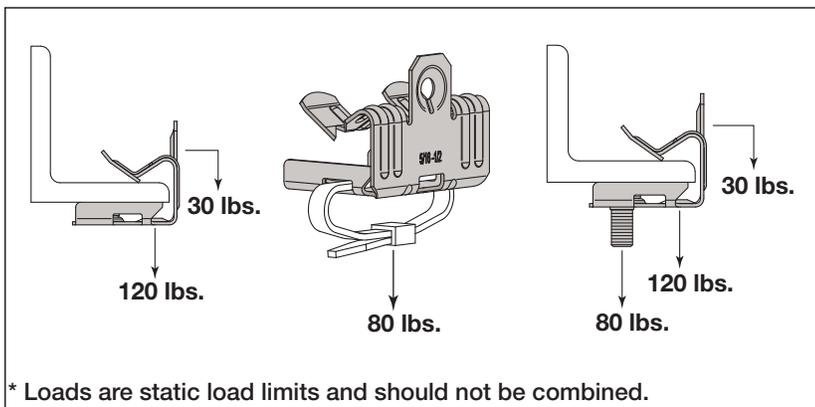


**FCH S  
w/Stud**

1/4"-20 x  
3/8" Stud

- Multi use beam clamp used to support threaded rod, electrical boxes, and bridal rings from beam flanges.
- Beam clamp with stud is for supporting electrical boxes from beam flanges.
- Punched holes provided for zip tie applications.
- 1/4"-20 thread forms permit threaded rod applications.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

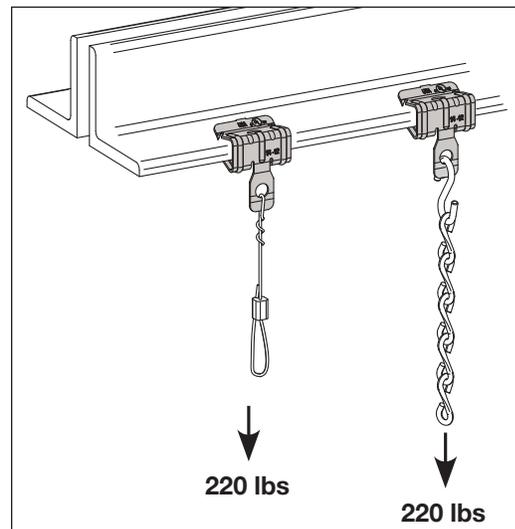
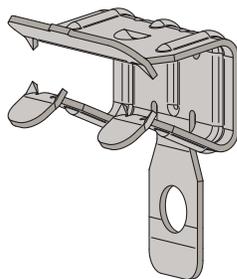
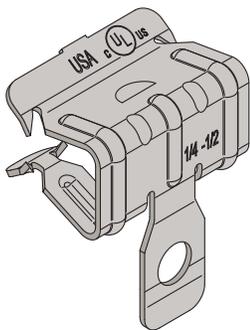
**FCH**



\* Loads are static load limits and should not be combined.

Part No.	Flange Thickness
<b>FCH24</b>	1/8" - 1/4" (3mm - 6mm)
<b>FCH58</b>	5/16" - 1/2" (8mm - 13mm)
<b>FCH912</b>	9/16" - 3/4" (14mm - 19mm)
<b>FCH24S</b>	1/8" - 1/4" (3mm - 6mm)
<b>FCH58S</b>	5/16" - 1/2" (8mm - 13mm)
<b>FCH912S</b>	9/16" - 3/4" (14mm - 19mm)

**FSM**  
Flange Clip Side Mount



Part No.	Flange Thickness	Hole Size
<b>FSM24</b>	1/8" - 1/4" (3mm - 6mm)	9/32" (7.1mm)
<b>FSM58</b>	5/16" - 1/2" (8mm - 13mm)	
<b>FSM912</b>	9/16" - 3/4" (14mm - 19mm)	

- Beam clamp with hole for supporting tie wire and jack chain to beam flanges.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



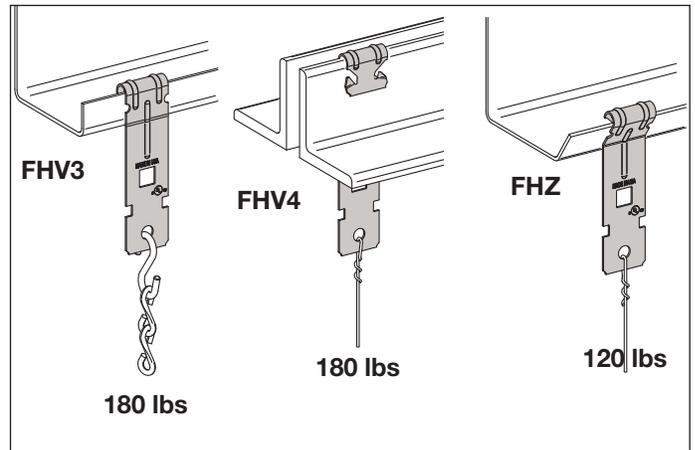
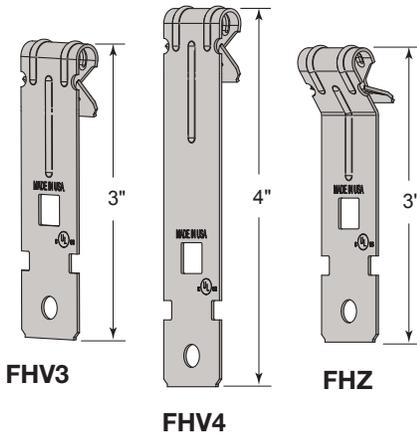
# Structural Attachment



Standard Finish: Black Zinc Phosphate

## FVZ, FHZ

Flange Hanger for Purlins and Bar Joists

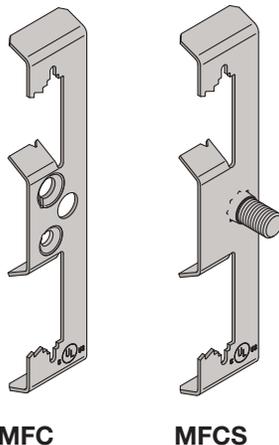


- **FHV3:** Flange clip with hole for supporting tie wire and jack chain to bar joist's and "C" purlin's.
- **FHV4:** Extra long flange clip with hole for supporting tie wire and jack chain to tall bar joist's and "C" purlin's.
- **FHZ:** Angled flange clip with hole for supporting tie wire and jack chain to "Z" purlin's.
- Compatible with many industry standard installation tools.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Min. - Max. Flange Thickness	Hole Size
FHV3	1/16" - 1/4" (2mm - 6mm)	9/32" (7.1mm)
FHV4		
FHZ		

## MFC

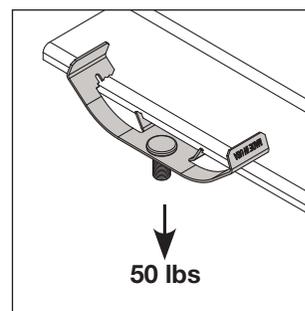
Multi-Function Clip



Part No.	Flange Size	Threaded Rod Size	Conduit Size or Threads
MFC	1/8" - 3/8"	1/4" Threaded Rod	9/32" - hole, 1/4" - 20 and 10-24 thread form
MFCS	1/8" - 3/8"	1/4" Threaded Rod	1/4" - 20 staked stud with nut (UL listed box support)

- **MFC:** Supports #10-24 and 1/4"-20 bridal rings to rod and wire.
- **MFCS:** Supports electrical boxes to rod and wire.
- No tools required. Easy adjustment after installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

### Flange Installation



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Spring Steel

Concrete Inserts

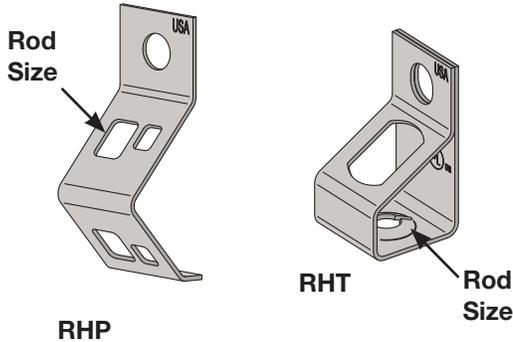
Rooftop Supports

Fiberglass System

Technical Data

## RHP RHT

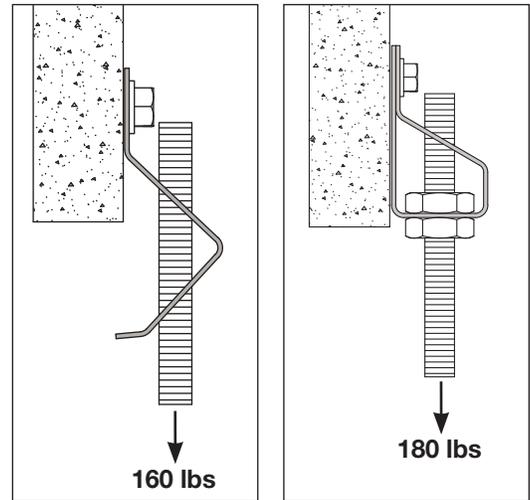
Rod Hanger Push Install or Rod Hanger Thread Install



- **RHP:** Suspends plain and threaded rod from vertical surfaces, and provides easy adjustment of rod after installation.
- **RHT:** Suspends threaded rod from vertical surfaces.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

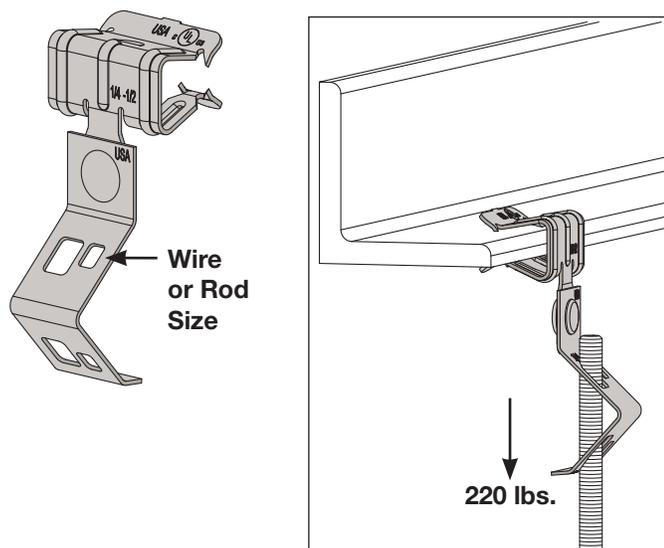
Part No.	Rod Size
RHP4	#8 Wire or 1/4" Plain or Threaded Rod
RHP6	3/8" Plain or Threaded Rod
RHT4T	1/4" - 20 Thread Form
RHT6T	3/8" - 16 Thread Form
RHT6 *	13/32" Thru Hole for 1/4" or 3/8" Threaded Rod

\* Nuts sold separately



## FH P

Flange Clip Side Mount with Rod Hanger Push Install



- Suspends plain and threaded rod from beam flanges.
- Easy adjustment of rod after installation.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Minimum - Maximum Flange Thickness	Wire/ Rod Size
FH24RHP4	1/8" - 1/4" (3mm - 6mm)	#8 Wire or 1/4" Rod
FH58RHP4	5/16" - 1/2" (8mm - 13mm)	
FH912RHP4	9/16" - 3/4" (14mm - 19mm)	
FH24RHP6	1/8" - 1/4" (3mm - 6mm)	3/8" Rod
FH58RHP6	5/16" - 1/2" (8mm - 13mm)	
FH912RHP6	9/16" - 3/4" (14mm - 19mm)	

# Structural Attachment

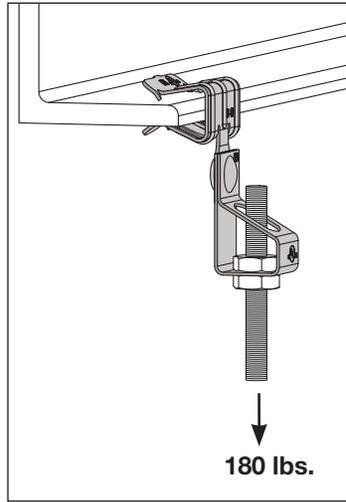
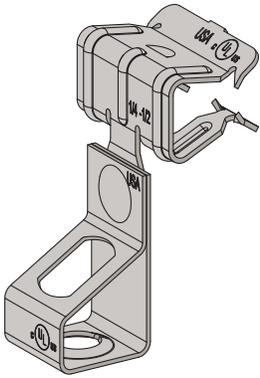


Standard Finish: Black Zinc Phosphate

## FH RHT

Flange Clip Side Mount with Rod Hanger Thread Install

- Suspends threaded rod from beam flanges.
- Flange thickness range stamped on part.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

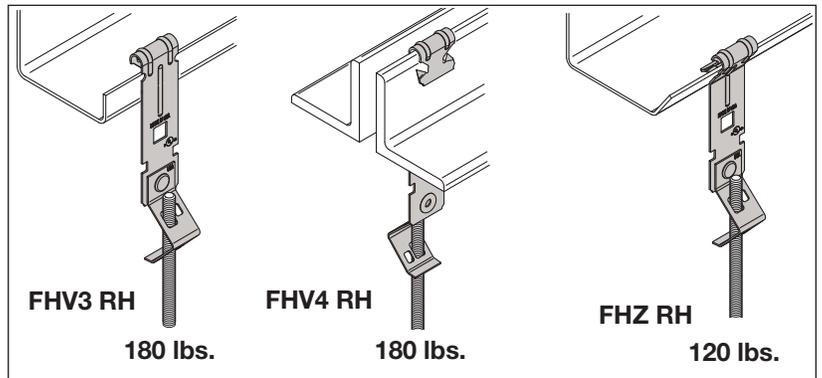
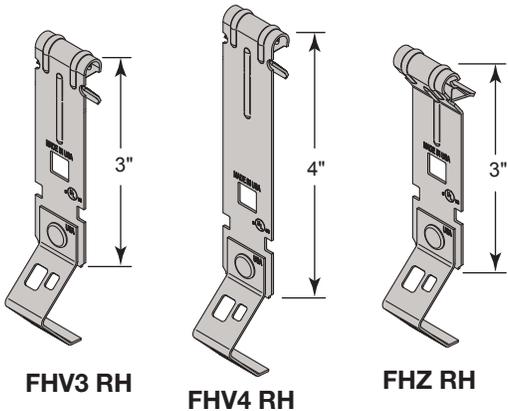


Part No.	Min. - Max. Flange Thickness	Hole Size
FH24RH4T	1/8" - 1/4" (3mm - 6mm)	1/4" - 20 Thread Form
FH58RH4T	5/16" - 1/2" (8mm - 13mm)	
FH912RH4T	9/16" - 3/4" (14mm - 19mm)	
FH24RH6T	1/8" - 1/4" (3mm - 6mm)	3/8" - 16 Thread Form
FH58RH6T	5/16" - 1/2" (8mm - 13mm)	
FH912RH6T	9/16" - 3/4" (14mm - 19mm)	
FH24RH6 *	1/8" - 1/4" (3mm - 6mm)	1 1/32" thru hole for 1/4" or 3/8" Threaded Rod
FH58RH6 *	5/16" - 1/2" (8mm - 13mm)	
FH912RH6 *	9/16" - 3/4" (14mm - 19mm)	

\* 2 nuts required (sold separately)

## FVZ RH

Flange hanger with Rod Hanger Push Install



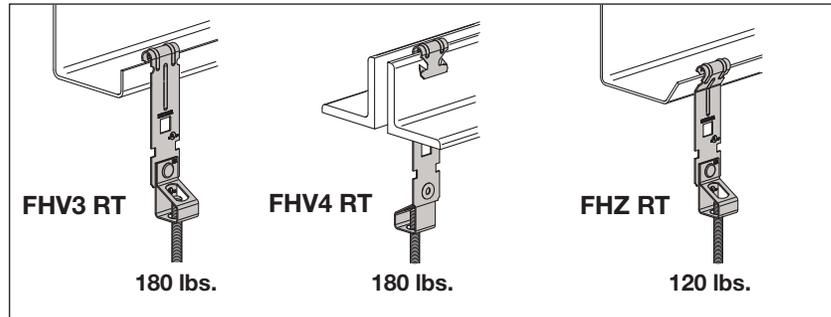
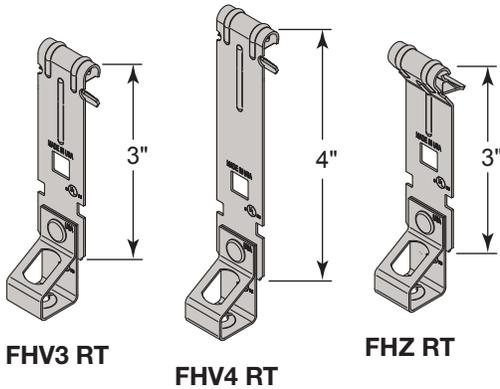
- **FHV3:** Suspends plain and threaded rod from bar joist's and "C" purlin's.
- **FHV4:** Extra long clip suspends plain and threaded rod from bar joist's.
- **FHZ:** Angled clip suspends plain and threaded rod from "Z" purlin's.
- Easy adjustment of rod after installation.
- Compatible with many industry standard installation tools.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Wire / Rod Size	Min. - Max. Flange Thickness
FHV3RH4	#8 Wire or 1/4" Plain or Threaded Rod	1/16" - 1/4"
FHV3RH6	3/8" Plain or Threaded Rod	
FHV4RH4	#8 Wire or 1/4" Plain or Threaded Rod	1/16" - 1/4"
FHV4RH6	3/8" Plain or Threaded Rod	
FHZRH4	#8 Wire or 1/4" Plain or Threaded Rod	1/16" - 1/4"
FHZRH6	3/8" Plain or Threaded Rod	



## FVZ RT

Flange Hanger with Rod Hanger Threaded Install



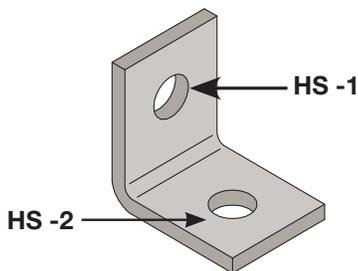
- **FHV3 RT:** Suspends threaded rod from bar joist's and "C" purlin's.
- **FHV4 RT:** Extra long clip suspends threaded rod from bar joist's.
- **FHZ RT:** Angled clip suspends threaded rod from "Z" purlin's.
- Compatible with many industry standard installation tools.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Rod Size	Min. - Max. Flange Thickness
<b>FHV3RH4T</b>	1/4"-20 Thread Form	1/16" - 1/4"
<b>FHV3RH6T</b>	3/8"-16 Thread Form	
<b>FHV3RH6 *</b>	13/32" Thru Hole for 1/4" or 3/8" Threaded Rod	1/16" - 1/4"
<b>FHV4RH4T</b>	1/4"-20 Thread Form	
<b>FHV4RH6T</b>	3/8"-16 Thread Form	1/16" - 1/4"
<b>FHV4RH6 *</b>	13/32" Thru Hole for 1/4" or 3/8" Threaded Rod	
<b>FHZRH4T</b>	1/4"-20 Thread Form	1/16" - 1/4"
<b>FHZRH6T</b>	3/8"-16 Thread Form	
<b>FHZRTH6 *</b>	13/32" Thru Hole for 1/4" or 3/8" Threaded Rod	

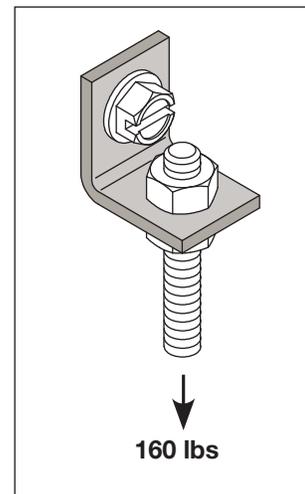
\* Nuts sold separately

## AB

Angle Bracket



- Accepts wire, chain and rod drops from concrete or wood.
- **Material:** Steel
- **Finish:** Pregalvanized



Part No.	HS - 1	HS - 2
<b>AB04</b>	9/32" (7.1mm)	9/32" (7.1mm)
<b>AB06</b>	9/32" (7.1mm)	13/32" (10.3mm)



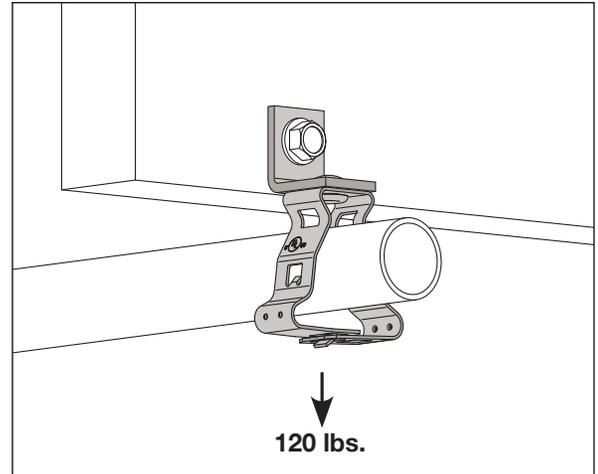
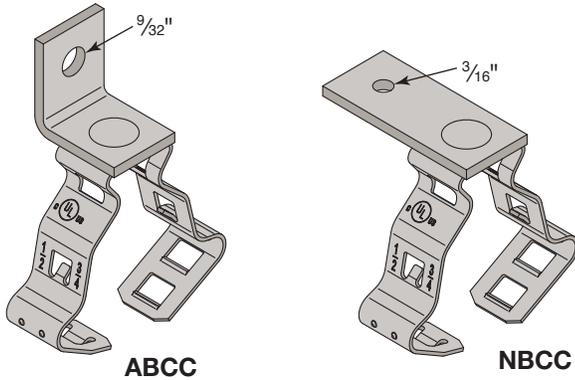
# Structural Attachment



Standard Finish: Black Zinc Phosphate or Pregalvanized (PG)

## ABCC, NBCC

Angle Bracket and Nail Bracket with Conduit Clip



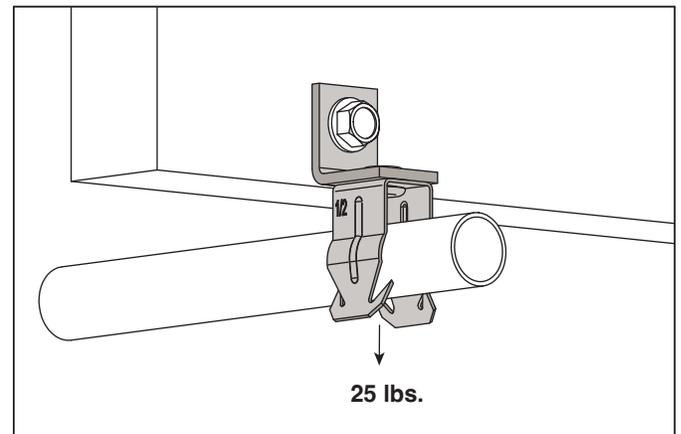
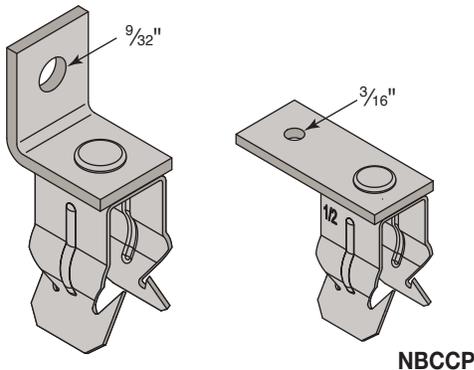
- **ABCC:** Supports horizontal runs of conduit through metal studs and prevents conduit from rattling in wall.
- **NBCC:** Attaches conduit to wood, concrete and steel, works with power tools and nails.
- Conduit clip rotates 360 degrees.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate

Part No.	Conduit Size
ABCC6 *	3/8" Flexible Conduit
ABCC812	1/2" or 3/4" EMT, Rigid
NBCC6 *	3/8" Flexible Conduit
NBCC812	1/2" or 3/4" EMT, Rigid

\* Not a UL Listed Product

## ABCCP, NBCCP

Angle and Nail Bracket with Conduit "Push In" Clip



### ABCCP

- **ABCCP:** Supports horizontal runs of conduit through metal studs and prevents conduit from rattling in wall.
- **NBCCP:** Attaches conduit to wood, concrete and steel, works with power tools and nails.
- Conduit clip rotates 360 degrees.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate

Part No.	Conduit Size
ABCCP8	1/2" EMT
ABCCP12	3/4" EMT, 1/2", Rigid
NBCCP8	1/2" EMT
NBCCP12	3/4" EMT, 1/2" Rigid



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Channel

Channel Nuts & Hardware

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Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

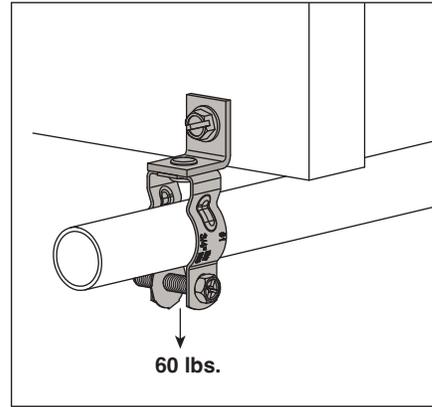
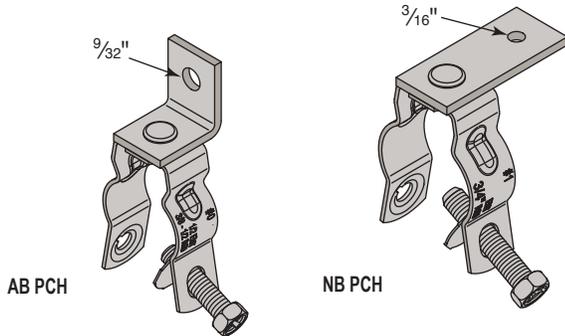
Rooftop Supports

Fiberglass System

Technical Data

## AB PCH, NB PCH

Angle & Nail Bracket with Pipe & Conduit Hanger

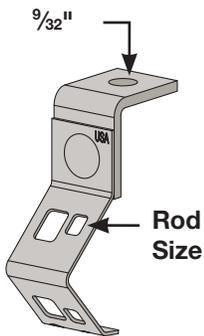


- **AB PCH:** Supports horizontal runs of conduit through metal studs and prevents conduit from rattling in wall.
- **NB PCH:** Attaches conduit to wood, concrete and steel, works with power tools and nails.
- Conduit clip rotates 360 degrees
- Suitable for air handling spaces (plenums) (remove washer at assembly)
- Retained combo head screw allows Robertson, Phillips/Slotted and Hex drivers.
- **Material:** Steel
- **Finish:** Pregalvanized

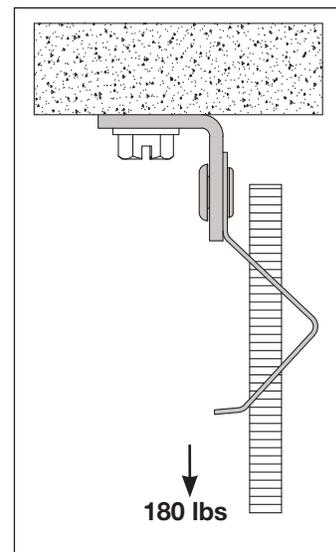
Part No.	Trade Size	Conduit Size	
		EMT	Rigid
ABPCH037050	0	1/2"	3/8", 1/2"
ABPCH075	1	3/4"	3/4"
ABPCH100	2	1"	1"
NBPCH037050	0	1/2"	3/8", 1/2"
NBPCH075	1	3/4"	3/4"
NBPCH100	2	1"	1"

## ABR

Angle Bracket with Rod Hanger Push Install



- Attaches to concrete, wood and steel.
- Suspends plain and threaded rod from horizontal surfaces.
- Easy adjustment of rod after installation.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate



Part No.	Rod Size
ABRH4	#8 Wire or 1/4" Plain or Threaded Rod
ABRH6	3/8" Plain or Threaded Rod



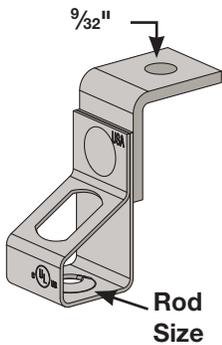
# Structural Attachment



Standard Finish: Black Zinc Phosphate or Pregalvanized (PG)

## ABR T

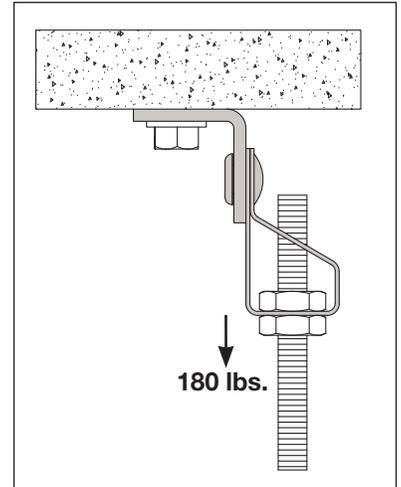
Angle Bracket with Rod Hanger Thread Install



- Attaches to concrete, wood and steel.
- Suspends threaded rod from horizontal surfaces.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate

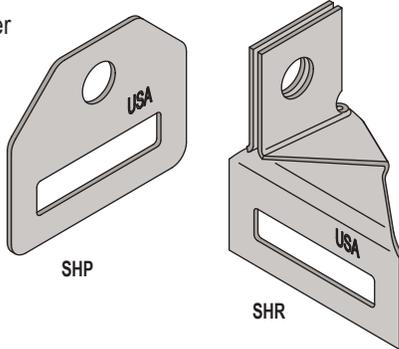
Part No.	Rod Size
ABRH4T	1/4 - 20 Thread Form
ABRH6T	3/8 - 16 Thread Form
ABRTH6 *	1 3/32" Thru Hole for 1/4" or 3/8" Threaded Rod

\* Nuts sold separately

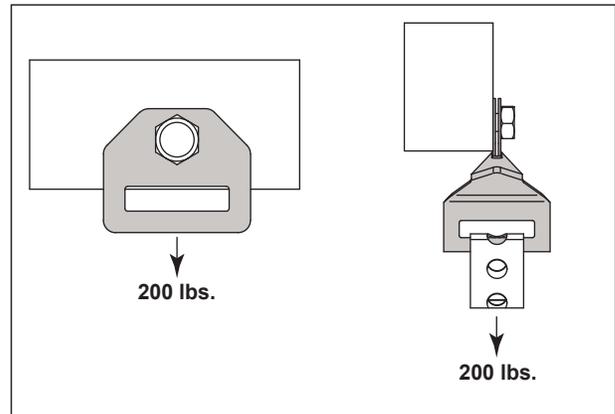


## SH

Strap Hanger



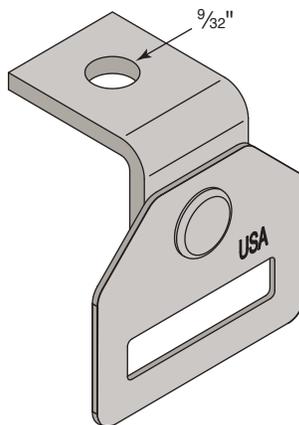
- Supports pipe or duct with strapping.
- Fits strap up to 1" wide.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



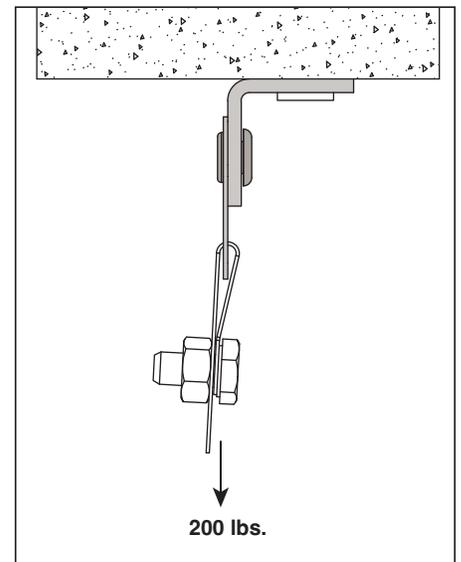
Part No.	Hole Size
SHP	9/16"
SHR	9/16"

## ABSHP

Angle Bracket with Strap Hanger



- Supports pipe or duct with strapping.
- Fits strap up to 1" wide.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate



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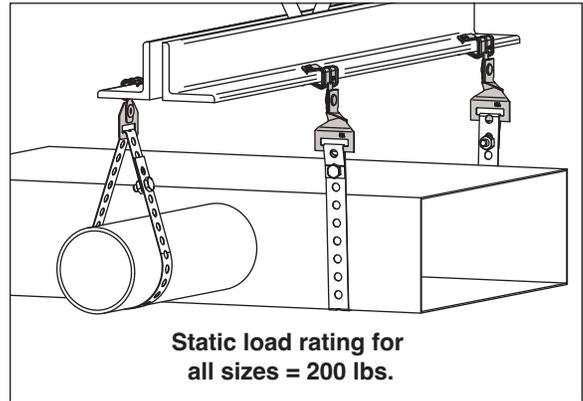
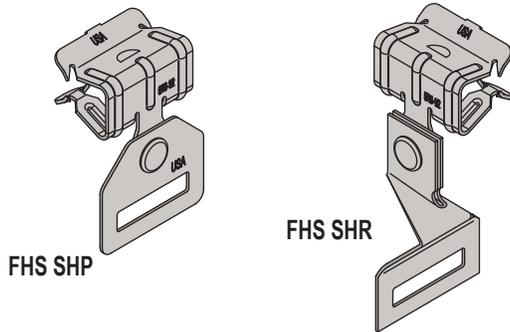
Roofing Supports

Fiberglass System

Technical Data

## FHS SH

Flange Clip Side Mount with Strap Hanger

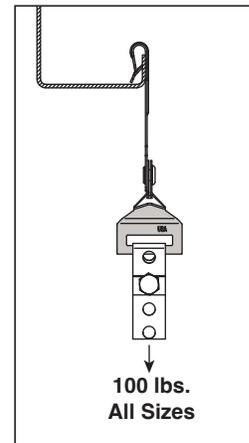
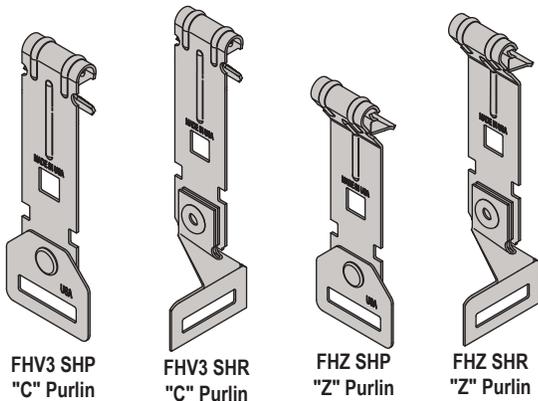


- Supports pipe or duct with strapping from beam flanges.
- Fits strap up to 1" wide.
- Flange thickness range stamped on part.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Min. - Max. Flange Thickness
FHS24SHP	1/8" - 1/4" (3mm - 6mm)
FHS58SHP	5/16" - 1/2" (8mm - 13mm)
FHS912SHP	9/16" - 3/4" (14mm - 19mm)
FHS24SHR	1/8" - 1/4" (3mm - 6mm)
FHS58SHR	5/16" - 1/2" (8mm - 13mm)
FHS912SHR	9/16" - 3/4" (14mm - 19mm)

## FHV3 FHZ SH

Flange Hanger with Strap Hanger



- FHV SHP and SHR supports pipe or duct with strapping from "C" purlin flanges.
- FHZ SHP and SHR supports pipe or duct with strapping from "Z" purlin flanges.
- Fits strap up to 1" wide.
- Compatible with many industry standard installation tools.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Min. - Max. Flange Thickness
FHV3SHP	1/16" - 1/4"
FHV3SHR	1/16" - 1/4"
FHZSHP	1/16" - 1/4"
FHZSHR	1/16" - 1/4"



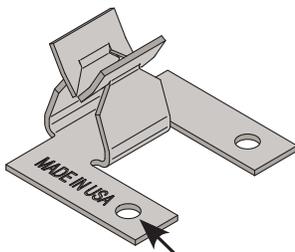
# Structural Attachment



Standard Finish: Black Zinc Phosphate or Zinc Electroplated

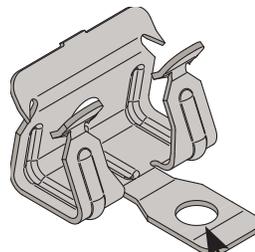
## PSP, FSM

Pipe Sleeve Positioner



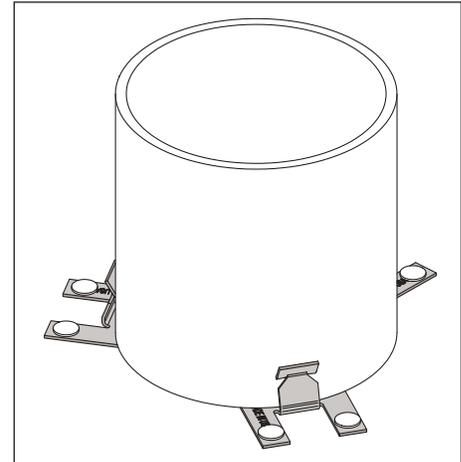
PSP

For 1/8" screw or nail



FSM

For 1/4" screw or nail

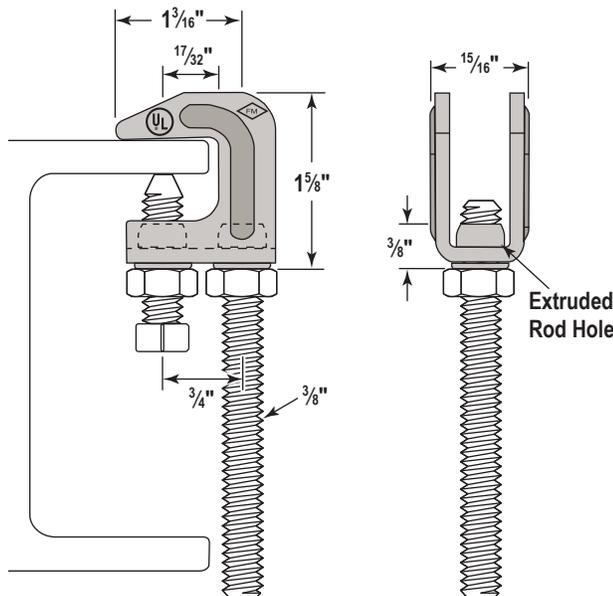


Part No.	Sleeve Diameter	Pipe Wall Thickness	Min./Max. Sleeve Thickness Range
PSP2-6	2" - 6" (51mm - 152mm)	Schedule #40 Pipe	0" - 5/16" (0 - 8mm)
PSPA	Any Dia.	Up to 5/16" (8mm)	
FSM58	6" (152mm)	Schedule #80 Pipe	1/4" - 1/2" (6mm - 13mm)
FSM58	8" - 10" (203mm - 254mm)	Schedule #40 Pipe	1/2" - 3/4" (13mm - 19mm)
FSM912	9" - 14" (229mm - 356mm)	Schedule #80 Pipe	

- Use to position pipe sleeves during concrete pours.
- Only a hammer required for installation.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

## Silver Claw

Beam Clamp



- Carbon Steel - Avoids Hydrogen Embrittlement
- Extruded Rod Hole - More Threads Captured
- Made in USA - Meets Requirements for Buy America
- Handles 3/8" Threaded Rod
- Attaches to 3/4" (19mm) Beam or Bar Joist
- Open Back for Easy Inspection and Adjustment
- 3/4" (19mm) Flange Beam
- Zinc Electroplate
- Installs in Upright Position
- Torque Value = 60 in-lbs
- Made in USA
- UL Listed for Top of Beam
- FM Approved for NFPA 13, Maximum Rated Pipe Size
- Complies with Manufacturers Standardization Society SP-69 (Type 19 & 23) and Federal Specification WW-H-171E

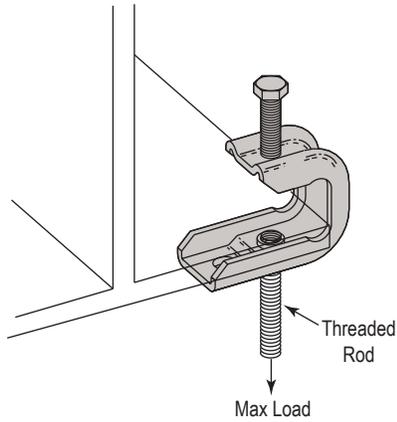


Part No.	Rod Size	Max. Load
SCL037EG	3/8"	400 Lbs.



## BC92

Light Duty – Beam Clamps

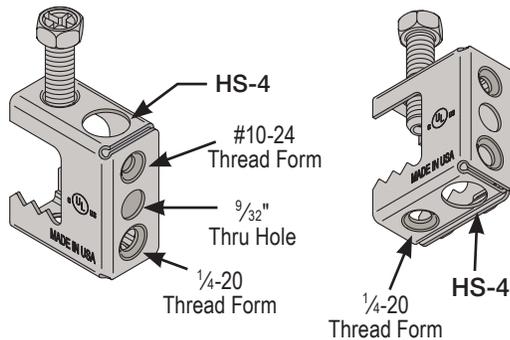


- **Material:** Carbon Steel
- **Finish:** Electrogalvanized

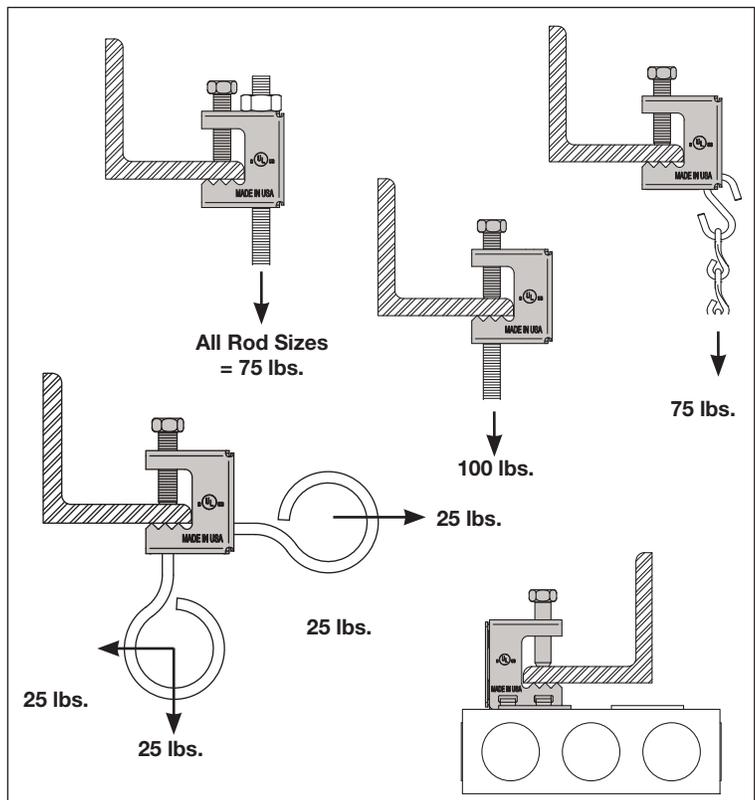
Part No.	Rod Size	Max Flange Thickness	Max Load (W) lbs
BC92025EG	1/4"-20	5/8" (16 mm)	100 (0.44kN)
BC92037EG	3/8"-16	3/4" (19 mm)	200 (0.89kN)

## BCL

Beam Clamp



- UL Listed for box support.
- For installation on 1/2" maximum beam flanges.
- Included combo head set screw allows Robertson, Phillips/Slotted and Hex drivers.
- Accepts "S" hooks, threaded rod and bridal rings.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



Part No.	Max. Flange Thickness	HS-4
BCL	1/2"	13/32" Thru Hole for 1/4" or 3/8" Rod

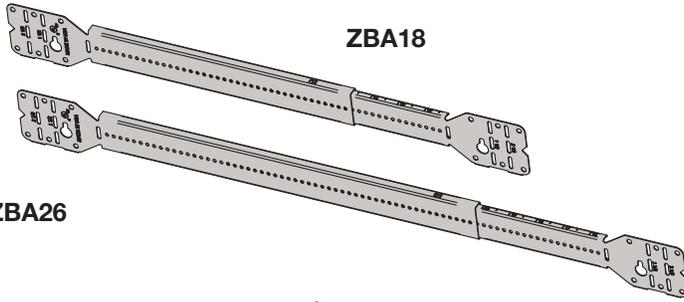
# Stud Wall Applications



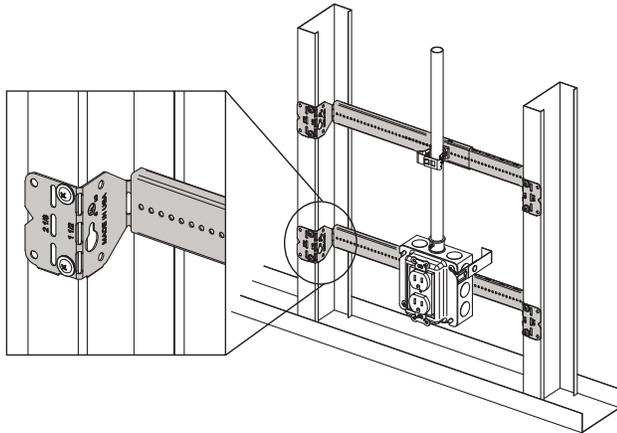
Standard Finish: Pregalvanized (PG)

## ZBA Z-Bracket

Adjustable Screw Gun Bracket for Wood or Metal Studs



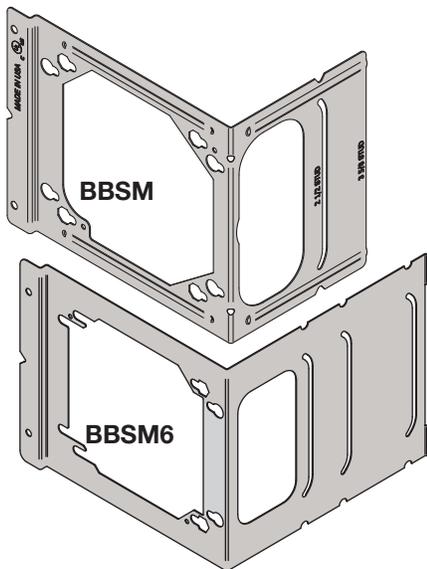
- Complete adjustability for infinite stud spacings.
- Requires only a screw gun to install.
- Pre-punched holes allow easy box or conduit attachment.
- Stud spacing scale stamped on bracket for precise preassembly.
- Locking tabs prevent disassembly.
- Use with SDTSLP8X1/2 screws, see page 236.
- **Material:** Steel
- **Finish:** Pregalvanized



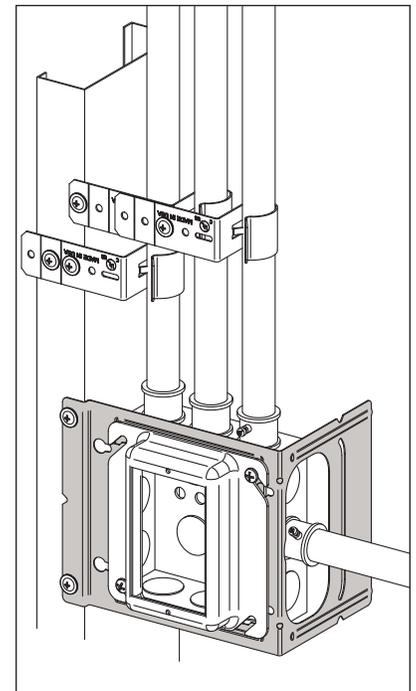
Part No.	Stud Centers	Distance Between Studs	Box Depth
ZBA18PG	11" to 18" (279mm to 457mm)	10" to 16-3/4" (254mm to 425mm)	1-1/2" or 2-1/8" (38mm or 54mm)
ZBA26PG	16" to 26" (406mm to 660mm)	14" to 25-1/4" (356mm to 641mm)	

## BBSM

Electrical Box Bracket for Wood or Metal Studs



- Used to attach 4" and 4-11/16" outlet boxes to wood or metal studs.
- Large cutouts provided for conduit and fittings.
- Integral farside support prevents outlet box movement.
- Use with SDTSLP8X1/2 screws, see page 236
- **Material:** Steel
- **Finish:** Pregalvanized



Part No.	Outlet Boxes	Box Depths	Stud Depths
BBSM	4" (102mm) Square, 4-11/16" (119mm) Square and Low Voltage Plaster Rings	1-1/4", 1-1/2", and 2-1/8" Deep (32mm, 38mm, and 54mm)	2-1/2", 3-5/8" (64 mm, 92 mm)
BBSM6 *			5-1/2", 6" (140 mm, 152 mm)

\* Not a UL Listed Product



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

Spring Steel

Concrete Inserts

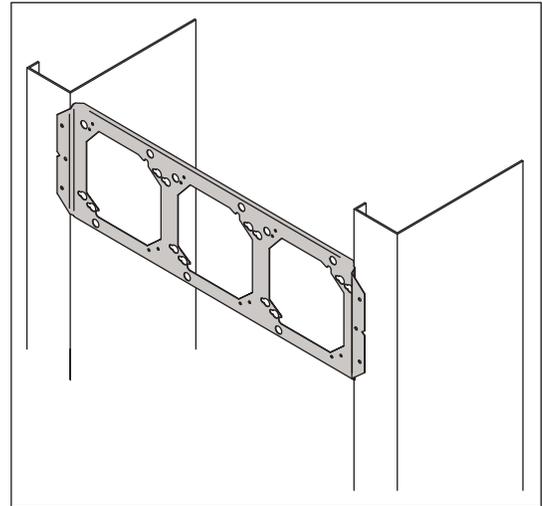
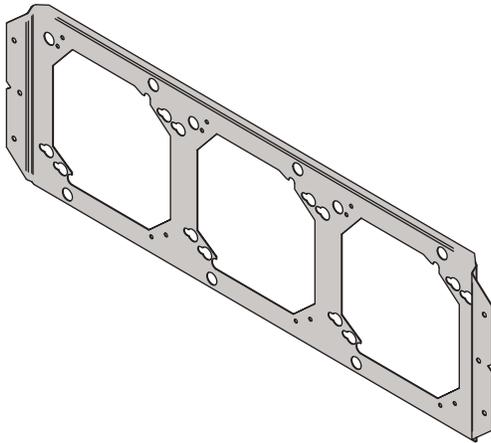
Roofing Supports

Fiberglass System

Technical Data

## BB16SM

Rigid Box Mounting Bracket

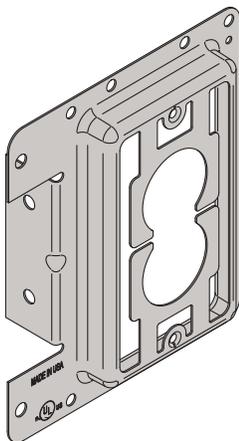


- Eliminates the need for electrical boxes in low voltage installations.
- Supports electrical boxes, plaster rings, or low voltage devices
- Use with SDTSLP8X1/2 screws, see page 236.
- **Material:** Steel
- **Finish:** Pregalvanized

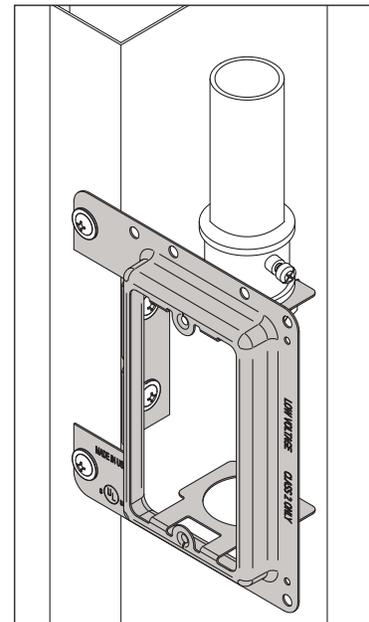
Part No.	Stud Centers	Supports
BB16SM	16"	Mounts up to three 4" and 4- <sup>11</sup> / <sub>16</sub> " boxes, plaster rings

## LVMN

Low Voltage Mounting Plate for New Construction



- Wood or Metal Studs
- New work design requires a screw gun for installation.
- Inner tabs allow <sup>3</sup>/<sub>4</sub>" EMT or <sup>1</sup>/<sub>2</sub>" EMT with reducer fitting for conduit applications if required.
- Can be mounted vertically or horizontally on wood or metal studs.
- Replaces electrical box in Class 2 low voltage installations.
- Use with SDTSLP8X1/2 screws, see page 236.
- **Material:** Steel
- **Finish:** Pregalvanized



Part No.	Drywall Thickness
LVMN	<sup>1</sup> / <sub>2</sub> " thru <sup>5</sup> / <sub>8</sub> " (13mm to 16mm)



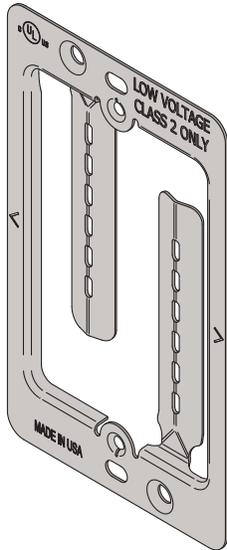
# Stud Wall Applications



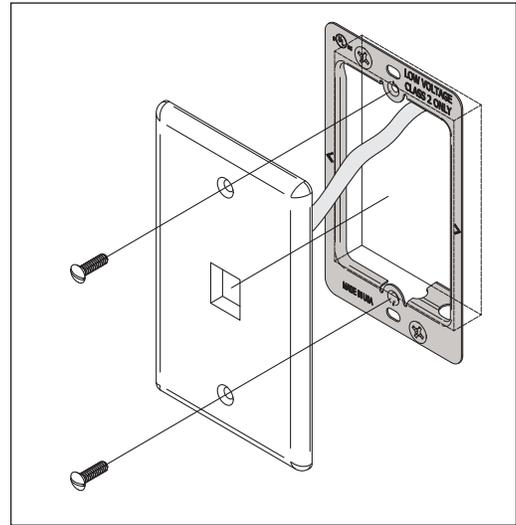
Standard Finish: Pregalvanized (PG)

## LVMS

Low Voltage Mounting Plate with Screws for Existing Construction



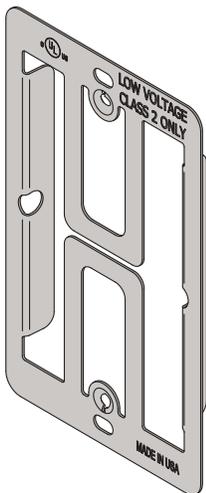
- Old work design requires a drywall saw and screw driver for installation.
- Provided screws make a more secure bracket installation.
- Replaces electrical box in Class 2 low voltage installations.
- **Material:** Steel
- **Finish:** Pregalvanized



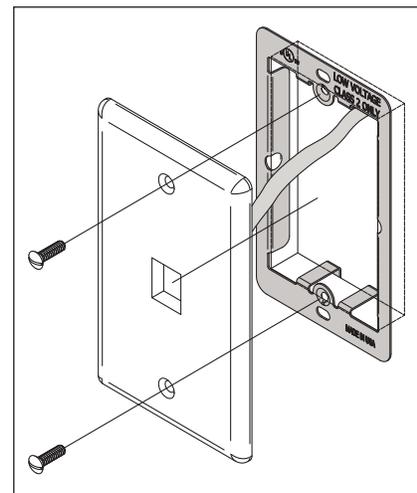
Part No.	Drywall Thickness
LVMS	1/2" thru 1-1/4" (13mm to 32mm)

## LVMP

Low Voltage Mounting Plate for Existing Construction



- Old work design requires a drywall saw and screw driver for installation.
- Replaces electrical box in Class 2 low voltage installations.
- **Material:** Steel
- **Finish:** Pregalvanized

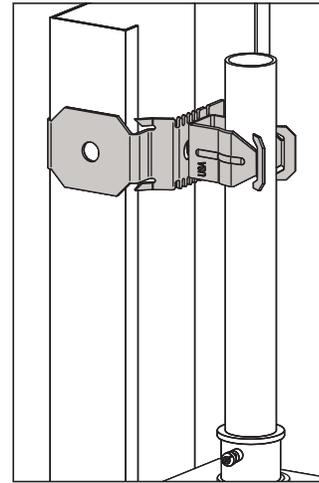
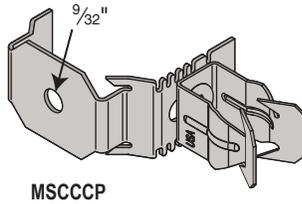
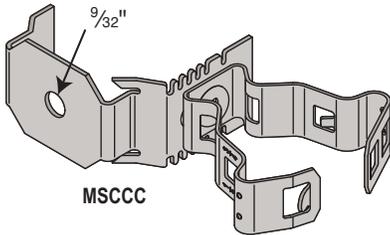


Part No.	Drywall Thickness
LVMP	1/2" thru 1-1/4" (13mm to 32mm)



## MSCCC, MSCCCP

Metal Stud Clip with Conduit Clip & Conduit "Push In" Clip



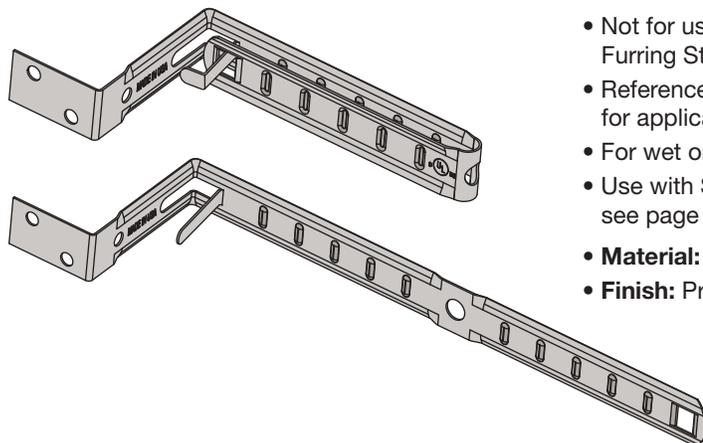
- Supports pipe and conduit to studs.
- Hole provided for additional support.
- Use with SDTSLP8X1/2 screws, see page 236.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Hole Size	Conduit Size
* MSCCC6	9/32"	3/8" Flexible Conduit
* MSCCC8-12		1/2" or 3/4" EMT, Rigid
* MSCCC16		1" EMT, Rigid
* MSCCC20		1-1/4" EMT, Rigid
MSCCCP8	9/32"	1/2" EMT
MSCCCP12		3/4" EMT, 1/2" Rigid
MSCCCP16		1" EMT, 3/4" Rigid

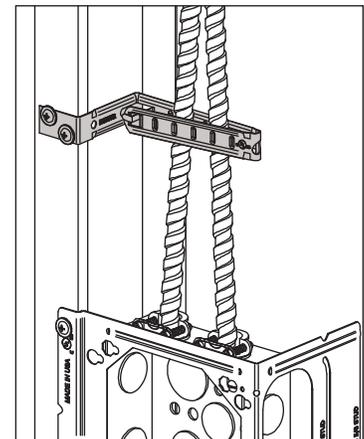
\* Not a UL Listed Product

## CSSTS

Cable Support Strap for Wood or Metal Studs



- Not for use with Hat Channel or Furring Strips.
- Reference NEC 1990 Article 300-4d for application
- For wet or dry applications.
- Use with SDTSLP8X1/2 screws, see page 236.
- **Material:** Steel
- **Finish:** Pregalvanized



Part No.	Cable Type	Cable Size	Cables per Fastener	Description
CSSTS	Romex™ and Non-Metallic Sheathed Cable	14-2, 12-2, 10-2, 14-3, 12-3, and 10-3 with ground	6 Max.	To Attach Romex Non-Metallic Sheathed Cable, AC, BX, and MC Cable to Wood or Metal Stud
		8-2 and 6-2 with ground	4 Max.	
	Metal Clad (MC) Cable	14-2, 12-2, 10-2, 14-3, 12-3, 10-3, 14-4, 12-4, and 10-4 with ground	4 Max.	



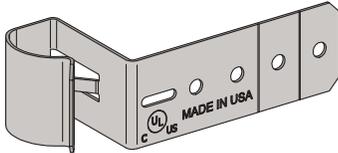
# Stud Wall Applications



Standard Finish: Black Zinc Phosphate or Polypropylene

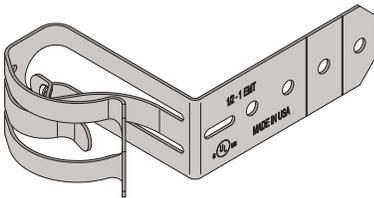
## CTS

Conduit Clip to Wood or Metal Stud



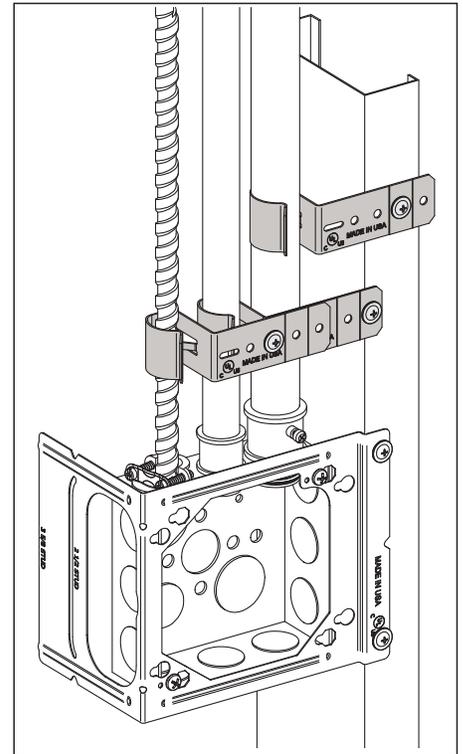
- Use with low profile screws SDTSLP8X1/2, see page 236.
- For positioning only.
- For wet or dry applications..
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

## CTS812



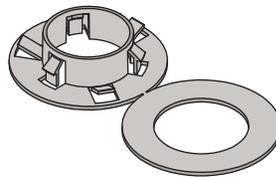
## CTS816D

Part No.	Box Depth	MC/AC Cable Size	Conduit Size
CTS812	1-1/2" (38mm)	14-2, 14-3, 12-2, 12-3	1/2" or 3/4" EMT MC/AC (13mm or 19mm)
CTS816D	2-1/8" (54mm)		1/2" or 1" EMT (13mm or 25mm)



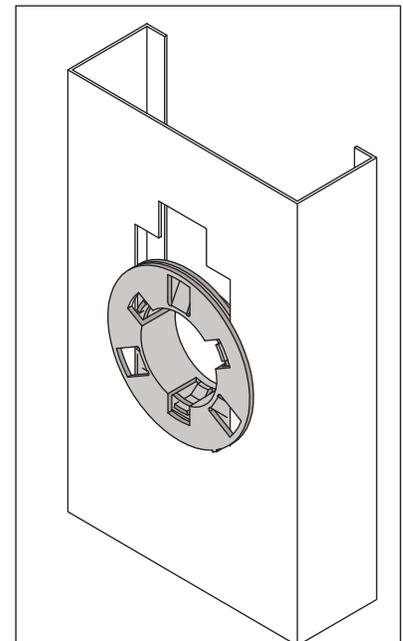
## USG

Universal Stud Grommet



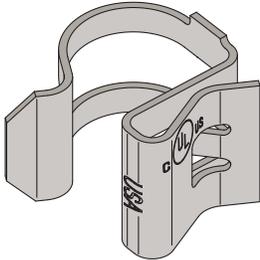
- Quick snap on design for 24 gauge to 12 gauge metal studs.
- Protects cable and conduit from damage.
- Makes cable pulling easy by preventing hang-ups on metal edges.
- Universal design for many pre-punched square and round hole sizes.
- **Material:** Polypropylene

Part No.	Pre-Punch Hole Grommet O.D.	Grommet I.D.
USG	1 1/2" (34.1mm)	1.20" (30mm)

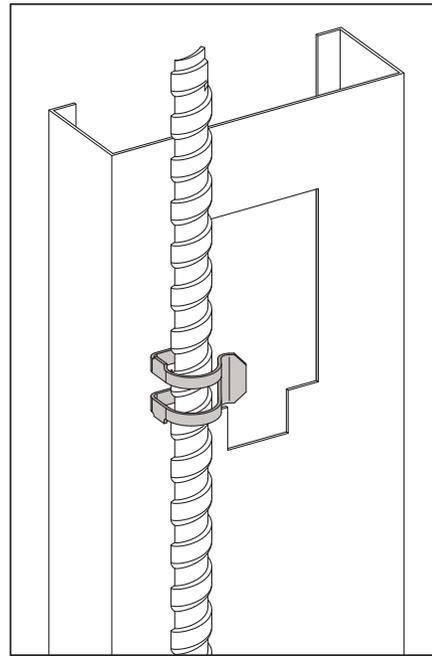


## CCMS

MC/AC Cable Clip to Metal Stud



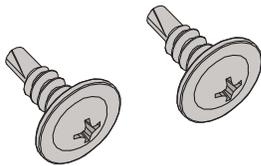
- Cable clip attaches MC/AC cable to metal studs.
- No tools required for application.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



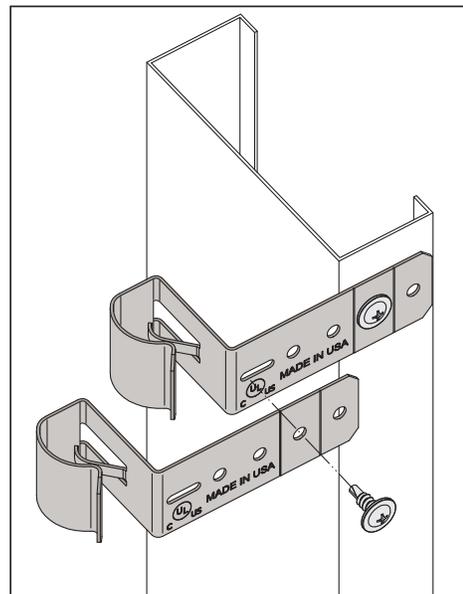
Part No.	Cable Type	Cable Size	Description
CCMS	MC/AC Cable	14-2, 14-3, 12-2, 12-3	MC/AC Cable Clip to Metal Stud

## SDTSLP8X1/2

Self Drilling and Tapping Screw



- #8 x 1/2" Long Self drilling and tapping, low profile screws
- Thin head prevents drywall bulge.
- #2 phillips driver for screw gun use.
- **Material:** Steel
- **Finish:** ElectroGalvanized



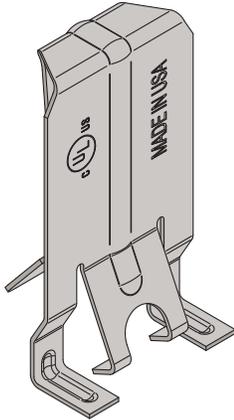
# Ceiling and Acoustical Applications



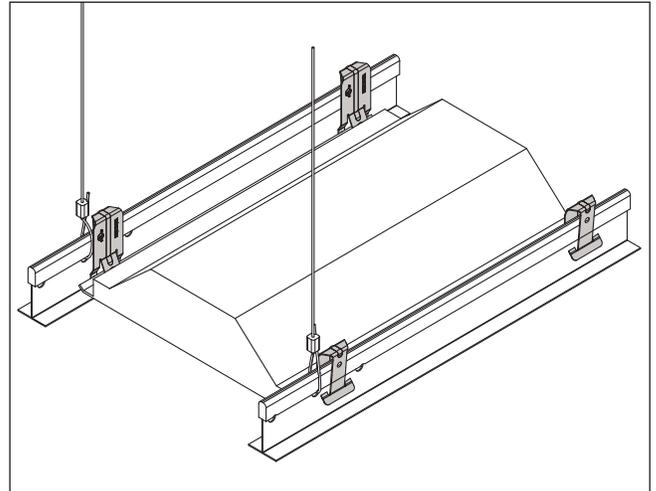
Standard Finish: Black Zinc Phosphate

## SCT

Support Clip for Troffer Lights & Lay-Ins



- Four clips per fixture required per UL listing.
- Compatible with straight lip or upturned lip fixtures.
- Tall grid compatible.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



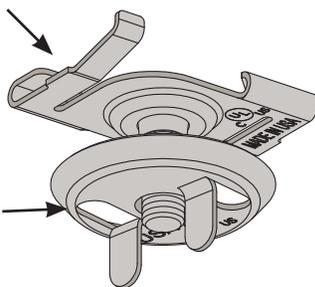
Part No.	Description
SCT15	Support clip for securing troffers, lay-ins and air diffusers to T-Grid

## TCB, TCS

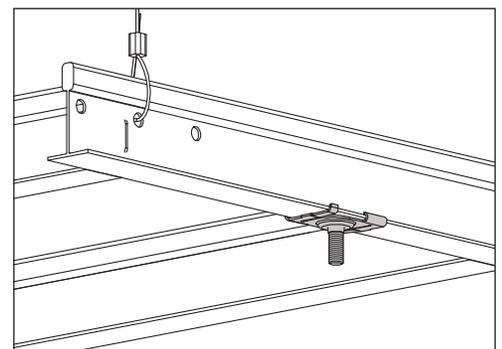
Twist Clip with Wing Nut



### TCB16



- Use to attach lighting to main T-bars.
- Simple twist on design eliminates the need for installation tools.
- Will not damage T-grid.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate



Part No.	Stud Length	Description	Static Load Limit per Fastener
TCB16	5/8"	15/16" Tee Twist Clip with Stud	50 Lbs.
TCW4	-	1/4"-20 Twist Clip Wing Nut	100 Lbs.
TCS16	5/8"	15/16" Tee Twist Clip and Wing Nut	50 Lbs.



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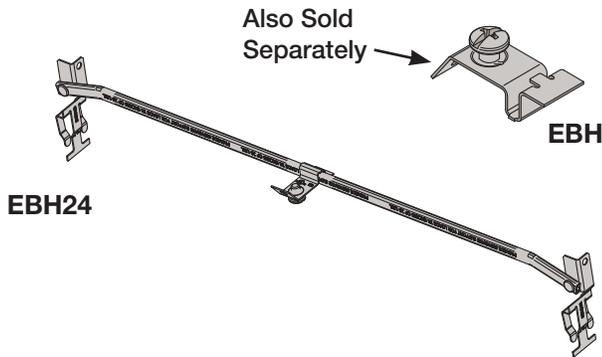
Fiberglass System

Technical Data



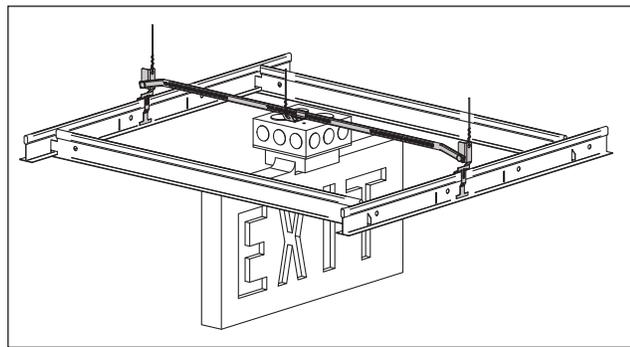
## EBH

Electrical Box Hanger with Box Mounting Clip



EBH24

EBH

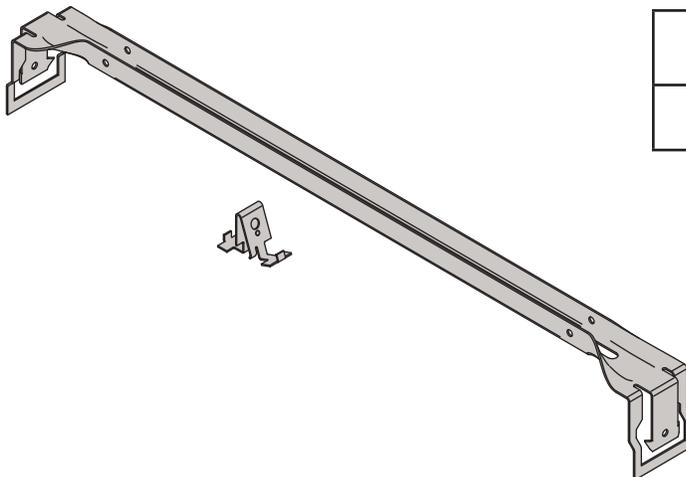


Part No.	Description
EBH24	Complete assembly to flush mount a 1-1/2" box with or without 3/4" device ring or 2-1/8" box to ceiling tile. Used for 24" on center T-grid spacing.
EBH	Box mounting clip and screw for attaching one or multiple boxes to EB 24 assembly.

- Complete hanger assembly for supporting an electrical box above T-grid.
- Multiple holes provided for drop wire securement to building structure.
- Dual height feature permits 1-1/2" electrical box with or without 3/4" device ring and 2-1/8" box to be flush mounted with ceiling tile.
- Included mounting clip and 1/4" screw is compatible with standard knock-out configurations.
- **Material:** Steel & Spring Steel
- **Finish:** Pregalvanized & Black Zinc Phosphate

## EBH24HD

T-Grid Box Electrical Box Hanger – Heavy Duty



Part No.	Description
EBH24HD	Heavy duty electrical box hanger with box mounting clip for 24" span and 2-1/8" and 1-1/2" boxes

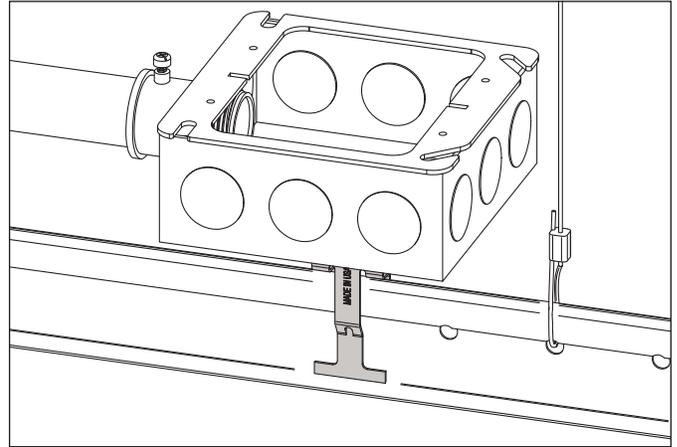
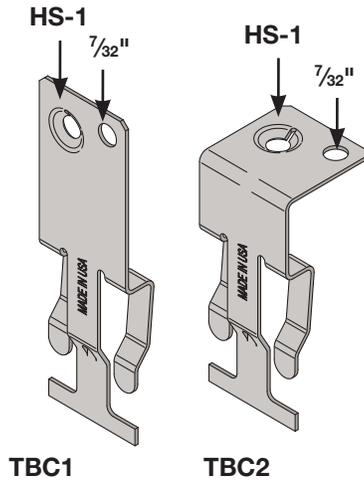
- Easy attachment for supporting an electrical box from T-grid.
- Easily adjust height for 1-1/2" box by breaking tabs.
- Easy attachment for drop wire securement to clip or bar.
- **Material:** Steel
- **Finish:** Pregalvanized



Standard Finish: Black Zinc Phosphate

## TBC

T-Bar Clip

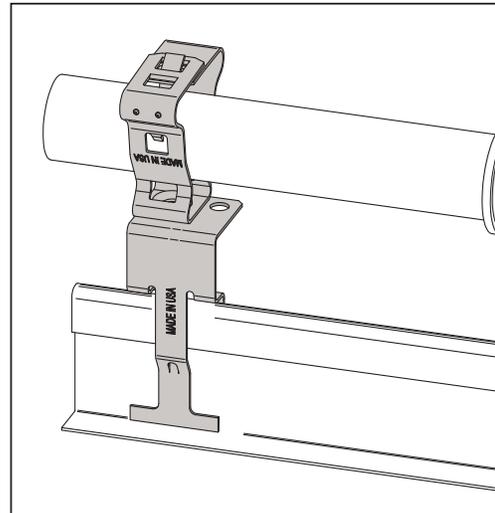
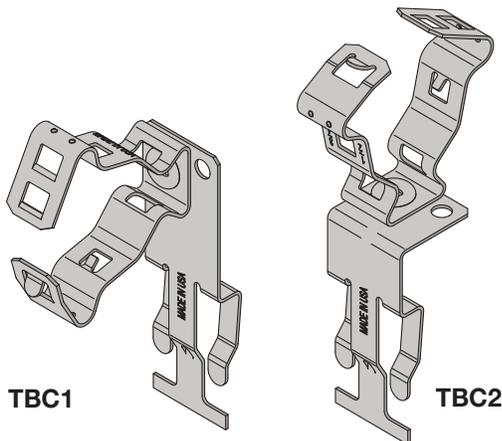


- Attaches outlet boxes and conduit clips above T-grid.
- $\frac{7}{32}$ " hole provided for drop wire.
- Clip snaps onto T-bar. No tools required.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	HS-1
TBC1	$\frac{1}{4}$ " x 20 Thread Form
TBC2	$\frac{1}{4}$ " x 20 Thread Form

## TBC

T-Bar Clip with Conduit Clip



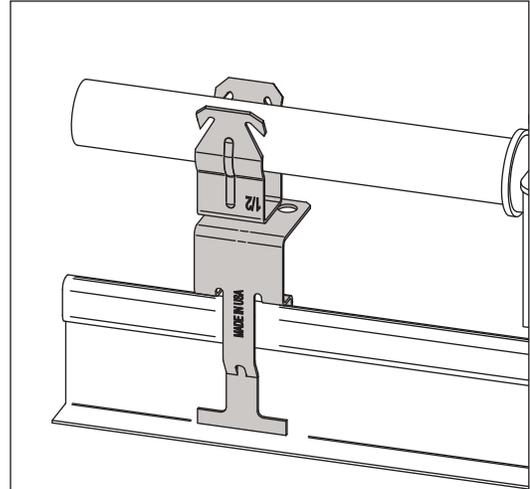
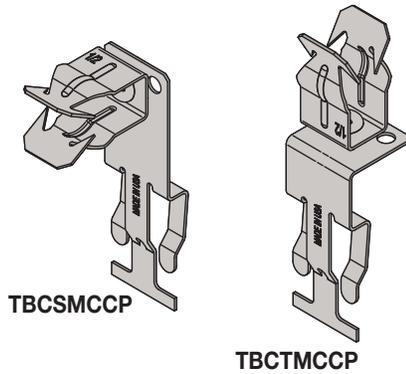
- Supports pipe and conduit above T-bars.
- Conduit clip rotates 360 degrees.
- No screws or bolts required. No installation tools required.
- $\frac{7}{32}$ " Hole provided for drop wire.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Conduit Size
TBC1C6	$\frac{3}{8}$ " Flexible Conduit
TBC1C812	$\frac{1}{2}$ " or $\frac{3}{4}$ " EMT, Rigid
TBC1C16	1" EMT, Rigid
TBC2C6	$\frac{3}{8}$ " Flexible Conduit
TBC2C812	$\frac{1}{2}$ " or $\frac{3}{4}$ " EMT, Rigid
TBC2C16	1" EMT, Rigid



## TBC SMCCP, TMCCP

T-Bar Clip with Conduit "Push In" Clip



- Supports pipe and conduit above T-bars.
- Conduit clip rotates 360 degrees.
- No screws, bolts or installation tools required.
- 7/32" hole provided for drop wire.
- **Material:** Spring Steel
- **Finish:** Black Zinc Phosphate

Part No.	Mount	Conduit Size
TBCSMCCP8	Side Mount	1/2" EMT
TBCSMCCP12		3/4" EMT, 1/2" Rigid
TBCSMCCP16		1" EMT, 3/4" Rigid
TBCTMCCP8	Top Mount	1/2" EMT
TBCTMCCP12		3/4" EMT, 1/2" Rigid
TBCTMCCP16		1" EMT, 3/4" Rigid



# Concrete Inserts

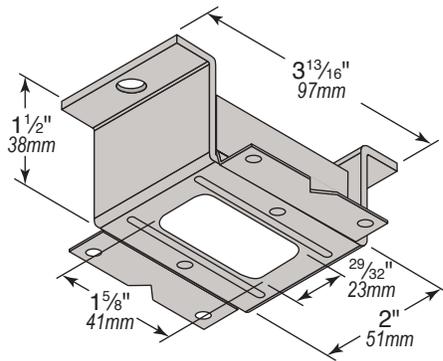


Channel Material Specifications		
Material	ASTM Designation	ASTM Description
Hot Rolled: Channel	A 1011SS GR33	Hot rolled carbon steel sheet and strip, structural quality.
Cold Rolled: Channel	A 1008SS GR33	Cold rolled carbon sheet steel.
Stainless Steel: Channel	A 240 TYPE 304	Heat resisting chromium and chromium-nickel stainless steel plate, sheet, strip for pressure vessel.
	A 240 TYPE 316	

Channel Finish Specifications	
Finish	Description
Mill-Galvanized (Pre-Galvanized)	Galvanized steel used in the manufacture of Channel sections conforms to ASTM A 653 GR33 G90. Uncoated edges resulted from slitting, punching and channel cut off are present.
Electroplated	Fittings and hardware supplied as "Electro-Galvanized" in accordance with ASTM B 633.
Hot Dip Galvanized After Fabrication	Channel and fittings which are hot dip galvanized after fabrication conform to one of the following specifications: ASTM A 123, ASTM A153, or ASTM A386.
Special Coatings	Other commercially available finishes can be supplied per specification when required to protect applications.

See page 23 for Material or Finish ordering codes for part numbers.

### Spot Concrete Insert

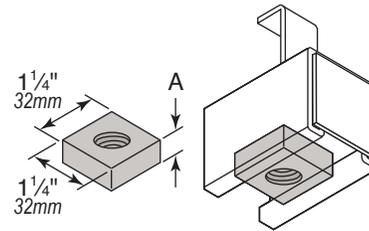


Designed to be used with spot concrete insert nuts. The 7/8" x 1-5/8" knock-out is removed after concrete pour. The spot concrete insert nut is placed in the slot, and then the rod is screwed into the nut. The nut is secured in place by turning the rod. Lateral adjustment is made by loosening the nut and relocating. When selecting rod size, refer to "Load Ratings" of Thread Hanger Rods" chart on page 78.

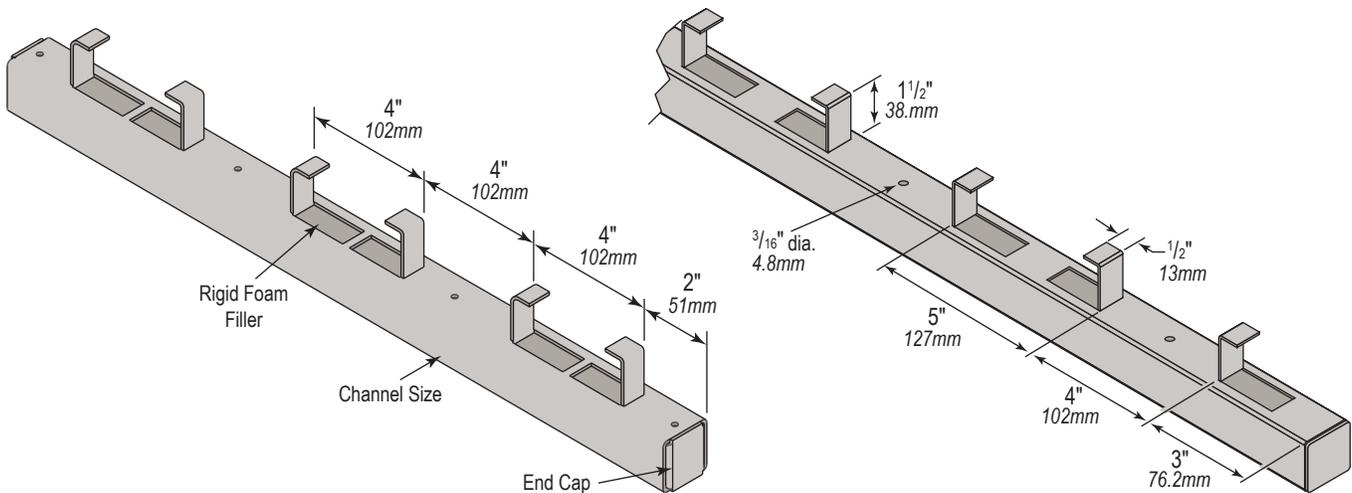
SPECIFYING Brand & Part No.	Allowable Load Lbs. (kN)	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b>			
<b>W7000</b>	1,300 (2.67 kN)	VC1	CI

Load based on adequate concrete

### Concrete Insert Nut



SPECIFYING Brand & Part No.	Tapped Size	Blank Size "A"	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b>				
<b>WCN25</b>	1/4"-20	1/4" (6mm)	VCN25	CIN 0025
<b>WCN31</b>	5/16"-18		VCN31	--
<b>WCN37</b>	3/8"-16	3/8" (10mm)	VCN37	CIN 0037
<b>WCN37+RP</b>	3/8"-16 - Pipe Tap		VCN37-RP	--
<b>WCN50</b>	1/2"-13		VCN50	CIN 0050
<b>WCN50-RP</b>	1/2"-13 - Pipe Tap	1/2" (13mm)	VCN50-RP	--
<b>WCN62</b>	5/8"-11		VCN62	CIN 0062
<b>WCN75</b>	3/4"-10		VCN75	CIN 0075
<b>WCN87</b>	7/8"-9		--	CIN 0087



SPECIFYING Brand & Part No.	See Page	Channel Gauge	Channel Size	DISCONTINUED Brands & Part No.	
				VERSABAR	FLORIDA STRUT
<b>WESANCO</b>					
<b>W7200 Series</b>	244	12 gauge	1-5/8" (41mm) x 1-5/8" (41mm)	VC1000 Series	W7250 thru W7270 Series
<b>W7300 Series</b>	245		1-5/8" (41mm) x 1-3/8" (35mm)	VC6000 Series	W7350 thru W7370 Series
<b>W7800 Series</b>	246		1-5/8" (41mm) x 1" (35mm)	VC10000 Series	W7550 thru W7570 Series
<b>W7900 Series</b>	247		1-5/8" (41mm) x 7/8" (22mm)	--	W7954 thru W7970 Series

\* Flared Wedge Insert

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

## Standard Finish: Pre-Galvanized (PG)

### Continuous Inserts

Our Inserts Are Shipped Fully Assembled,  
Ready For Installation.

Hook style inserts are available in W200, W300, W800, and W900 channel sizes, with either a galvanized or plain finish. Continuous inserts provide economical and convenient attachment points for all strut system components without the use of hazardous powder actuated fasteners or costly drilling. Connections can be made at any point along the slot opening by using lateral locking nuts or square insert nuts. Square nuts shown on page 242 may be used with the following continuous concrete inserts. Hook style anchors are lanced out of the channel spine and spaced as shown in the accompanying diagram.  $\frac{3}{16}$ " diameter knock-outs are spaced at 9" (229mm) intervals for nailing inserts to the form. Continuous hook style inserts are shipped ready for installation with factory installed Cello-Foam filler strip, taped spine openings, and end caps to prevent concrete seepage. Hook style inserts 18" or shorter are factory equipped with anchor style end caps.

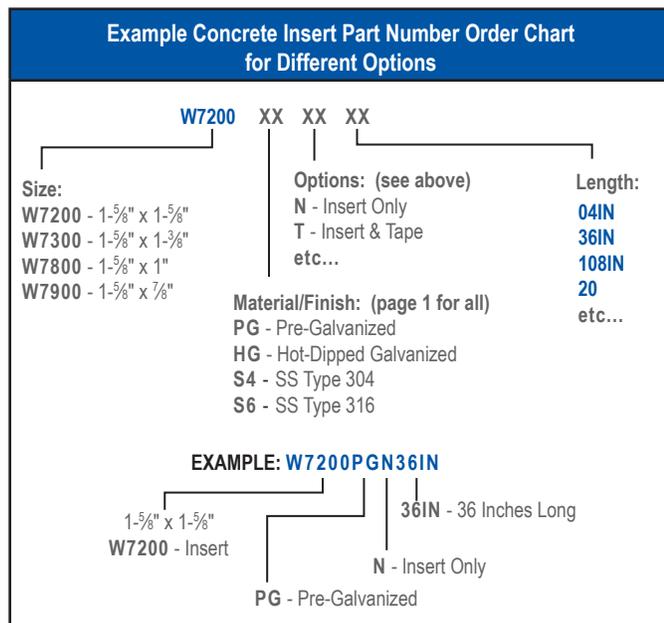
NOTE: To reach maximum resistance to pull out of the nut in continuous concrete inserts, a fitting should be mounted on the slot surface and the rod or bolt connected. Without the exterior fitting, the nut pull out resistance is reduced to approximately one half the normal pull out. Pull out load ratings for channel nuts are shown on page 70 of this catalog.

NOTE Under no circumstances subject any channel insert to a load without a  $\frac{1}{4}$ " thick fitting, bracket or pipe support, mounted on the channel slot surface.

## Continuous Concrete Insert Part Number Selection Chart For All Inserts on Pages 244 thru 247

Continuous Concrete Insert Part Number Descriptions					
Base Profile Part Number	Add Finish Code	Add Option Code	Description of Options	Add Length Code	Completed Part Number
W7200	PG	N	Insert Only	36IN	W7200PGN36IN
W7200	PG	T	Insert & Tape	36IN	W7200PGT36IN
W7200	PG	TE	Insert, Tape, & Ethafoam	36IN	W7200PGTE36IN
W7200	PG	TA	Insert, Tape, & Anchor End Caps	36IN	W7200PGTA36IN
W7200	PG	TC	Insert, Tape, & End Caps	36IN	W7200PGTC36IN
W7200	PG	TEA	Insert, Tape, Ethafoam, & Anchor End Caps	36IN	W7200PGTEA36IN
W7200	PG	TEC	Insert, Tape, Ethafoam, & End Caps	36IN	W7200PGTEC36IN

\*\* Note: When using welded strip, plastic end caps will be used.  
Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized



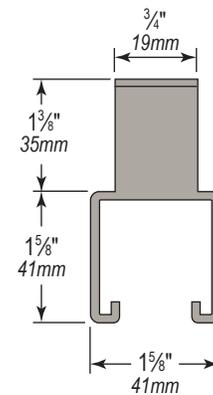
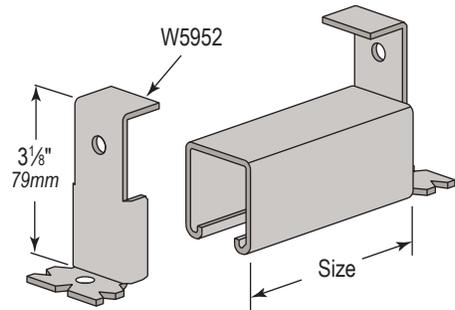
Hole Diameter:  $\frac{9}{16}$ " (14mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness:  $\frac{1}{4}$ " (6mm)



### Concrete Inserts - 1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" - 12 Gauge

When ordering specify finish. Available in plain, pre-galvanized, hot dip galvanized after fabrication, type 304 and 316 stainless steel. Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized

Refer to page 243 for continuous concrete insert part number selection chart to build complete part number based on desired options.



SPECIFYING Brand & Part No.	Size	Safe Uniform Load per L.F. † Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO				
W7200 x x 04IN	4" (102mm)	800 (3.56 kN)	--	W7250
W7200 x x 06IN	6" (152mm)	1000 (4.45 kN)	VC1006	W7251
W7200 x x 08IN	8" (203mm)	1200 (5.34 kN)	--	W7252
W7200 x x 12IN *	12" (305mm)	2000 (8.90 kN)	VC1012	W7253 *
W7200 x x 16IN	16" (406mm)		--	W7254
W7200 x x 20IN	20" (508mm)		--	W7255
W7200 x x 24IN	24" (610mm)		VC1024	W7256
W7200 x x 32IN	32" (813mm)		--	W7257
W7200 x x 36IN	36" (914mm)		VC1036	W7257A
W7200 x x 40IN	40" (1016mm)		--	W7258
W7200 x x 48IN	4' - 0" (1.2m)		VC1048	W7259
W7200 x x 60IN	5' - 0" (1.5m)		VC1060	W7260
W7200 x x 72IN	6' - 0" (1.8m)		VC1072	W7261
W7200 x x 84IN	7' - 0" (2.1m)		VC1084	W7262
W7200 x x 96IN	8' - 0" (2.4m)		VC1096	W7263
W7200 x x 108IN	9' - 0" (2.7m)		VC1108	W7264
W7200 x x 10	10' - 0" (3.0m)		VC1120	W7265
W7200 x x 144IN	12' - 0" (3.6m)		VC1144	W7266
W7200 x x 168IN	14' - 0" (4.2m)		VC1168	W7267
W7200 x x 192IN	16' - 0" (4.8m)		VC1192	W7268
W7200 x x 216IN	18' - 0" (5.4m)		VC1216	W7269
W7200 x x 20	20' - 0" (6.1m)		VC1240	W7270

\* W7200 12IN utilizes tab channel (punched & anchor caps)  
 † Embedded in 3,000 psi or better concrete, Safety Factor = 3

Concentrated load on the end 2" (51mm) of W7200 Series should not exceed 1000#. Inserts must be surrounded by sufficient concrete to conform to design shear stress. Concrete insert should be nailed to form every 16" to 24" (406mm to 635mm)

### Continuous Concrete Insert Part Number Selection Chart

Continuous Concrete Insert Part Number Descriptions					
Base Profile Part Number	Add Finish Code	Add Options Code	Description of Options	Add Length Code	Completed Part Number
W7200	PG	N	Insert Only	36IN	W7200PGN36IN
W7200	PG	T	Insert & Tape	36IN	W7200PGT36IN
W7200	PG	TE	Insert, Tape, & Ethafoam	36IN	W7200PGTE36IN
W7200	PG	TA	Insert, Tape, & Anchor End Caps	36IN	W7200PGTA36IN
W7200	PG	TC	Insert, Tape, & End Caps	36IN	W7200PGTC36IN
W7200	PG	TEA	Insert, Tape, Ethafoam, & Anchor End Caps	36IN	W7200PGTEA36IN
W7200	PG	TEC	Insert, Tape, Ethafoam, & End Caps	36IN	W7200PGTEC36IN

\*\* Note: When using welded strip, plastic end caps will be used.  
 Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized

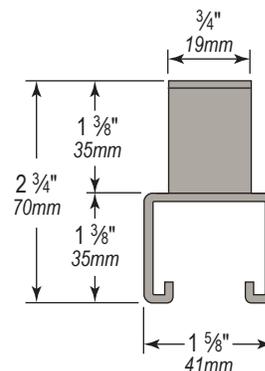
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/8" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



Standard Finish: Pre-Galvanized (PG)

## Concrete Inserts - 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>8</sub>" - 12 Gauge

When ordering specify finish. Available in plain, pre-galvanized, hot dip galvanized after fabrication, type 304 and 316 stainless steel. Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized  
Refer to page 243 for continuous concrete insert part number selection chart to build complete part number based on desired options.



SPECIFYING Part No.	Size	Max Allowable Point Load Lbs. (kN)	Min. Spacing of Point Load In. (mm)	Max Allowable Uniform Load	DISCONTINUED Brands & Part No.	
					VERSABAR	FLORIDA STRUT
<b>WESANCO</b>						
W7300 x x 04IN	4" (102mm)	800 (3.56 kN)	-	800 (3.56 kN)	--	W7350
W7300 x x 06IN	6" (152mm)	1,000 (4.45 kN)	-	1,000 Lbs. (4.45 kN)	VC6006	W7351
W7300 x x 08IN	8" (203mm)	1,200 (5.34 kN)	-	1,200 Lbs. (5.34 kN)	--	W7352
W7300 x x 12IN *	12" (305mm)	2,000 (8.90 kN)	12" (305mm)	2,000 Lbs. (8.90 kN)	VC6012	W7353 *
W7300 x x 16IN	16" (406mm)			4,000 Lbs. (17.79 kN)	--	W7354
W7300 x x 20IN	20" (508mm)			--	--	W7355
W7300 x x 24IN	24" (610mm)			VC6024	W7356	
W7300 x x 32IN	32" (813mm)			--	W7357	
W7300 x x 36IN	36" (914mm)			VC6036	W7357A	
W7300 x x 40IN	40" (1016mm)			--	W7358	
W7300 x x 48IN	4' - 0" (1.2m)			VC6048	W7359	
W7300 x x 60IN	5' - 0" (1.5m)			VC6060	W7360	
W7300 x x 72IN	6' - 0" (1.8m)			VC6072	W7361	
W7300 x x 84IN	7' - 0" (2.1m)			VC6084	W7362	
W7300 x x 96IN	8' - 0" (2.4m)			VC6096	W7363	
W7300 x x 108IN	9' - 0" (2.7m)			VC6108	W7364	
W7300 x x 10	10' - 0" (3.0m)			VC6120	W7365	
W7300 x x 144IN	12' - 0" (3.6m)			VC6144	W7366	
W7300 x x 168IN	14' - 0" (4.2m)			VC6168	W7367	
W7300 x x 192IN	16' - 0" (4.8m)			VC6192	W7368	
W7300 x x 216IN	18' - 0" (5.4m)			VC6216	W7369	
W7300 x x 20	20' - 0" (6.1m)			VC6240	W7370	

\* W7300 x x 12IN utilizes tab channel (punched & anchor caps)  
† Embedded in 3,000 psi or better concrete, Safety Factor = 3

## Continuous Concrete Insert Part Number Selection Chart

Continuous Concrete Insert Part Number Descriptions					
Base Profile Part Number	Add Finish Code	Add Option Code	Description of Options	Add Length Code	Completed Part Number
W7300	PG	N	Insert Only	36IN	W7300PGN36IN
W7300	PG	T	Insert & Tape	36IN	W7300PGT36IN
W7300	PG	TE	Insert, Tape, & Ethafoam	36IN	W7300PGTE36IN
W7300	PG	TA	Insert, Tape, & Anchor End Caps	36IN	W7300PGTA36IN
W7300	PG	TC	Insert, Tape, & End Caps	36IN	W7300PGTC36IN
W7300	PG	TEA	Insert, Tape, Ethafoam, & Anchor End Caps	36IN	W7300PGTEA36IN
W7300	PG	TEC	Insert, Tape, Ethafoam, & End Caps	36IN	W7300PGTEC36IN

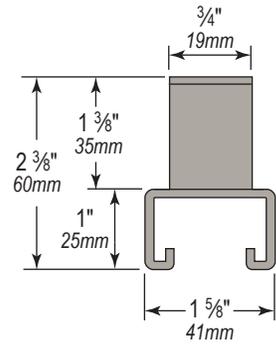
\*\* Note: When using welded strip, plastic end caps will be used.  
Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



### Concrete Inserts - 1<sup>5</sup>/<sub>8</sub>" x 1" - 12 Gauge

When ordering specify finish. Available in plain, pre-galvanized, hot dip galvanized after fabrication, type 304 and 316 stainless steel. Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized  
Refer to page 243 for continuous concrete insert part number selection chart to build complete part number based on desired options.



SPECIFYING Brand & Part No.	Size	Safe Uniform Load per L.F. † Lbs. (kN)	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
WESANCO				
W7800 x x 04IN	4" (102mm)	500 (2.22 kN)	--	W7550
W7800 x x 06IN	6" (152mm)	750 (3.34 kN)	VC10006	W7551
W7800 x x 08IN	8" (203mm)	1000 (4.45 kN)	--	W7552
W7800 x x 12IN *	12" (305mm)	1500 (6.67 kN)	VC10012	W7553 *
W7800 x x 16IN	16" (406mm)		--	W7554
W7800 x x 20IN	20" (508mm)		--	W7555
W7800 x x 24IN	24" (610mm)		VC10024	W7556
W7800 x x 32IN	32" (813mm)		--	W7557
W7800 x x 36IN	36" (914mm)		VC10036	W7557A
W7800 x x 40IN	40" (1016mm)		--	W7558
W7800 x x 48IN	4' - 0" (1.2m)		VC10048	W7559
W7800 x x 60IN	5' - 0" (1.5m)		VC10060	W7560
W7800 x x 72IN	6' - 0" (1.8m)		VC10072	W7561
W7800 x x 84IN	7' - 0" (2.1m)		VC10084	W7562
W7800 x x 96IN	8' - 0" (2.4m)		VC10096	W7563
W7800 x x 108IN	9' - 0" (2.7m)		VC10108	W7564
W7800 x x 10	10' - 0" (3.0m)		VC10120	W7565
W7800 x x 144IN	12' - 0" (3.6m)		VC10144	W7566
W7800 x x 168IN	14' - 0" (4.2m)		VC10168	W7567
W7800 x x 192IN	16' - 0" (4.8m)		VC10192	W7568
W7800 x x 216IN	18' - 0" (5.4m)		VC10216	W7569
W7800 x x 20	20' - 0" (6.1m)		VC10240	W7570

\* W7800 12IN utilizes tab channel (punched & anchor caps)  
† Embedded in 3,000 psi or better concrete, Safety Factor = 3

### Continuous Concrete Insert Part Number Selection Chart

Continuous Concrete Insert Part Number Descriptions					
Base Profile Part Number	Add Finish Code	Add Option Code	Description of Options	Add Length Code	Completed Part Number
W7800	PG	N	Insert Only	36IN	W7800PGN36IN
W7800	PG	T	Insert & Tape	36IN	W7800PGT36IN
W7800	PG	TE	Insert, Tape, & Ethafoam	36IN	W7800PGTE36IN
W7800	PG	TA	Insert, Tape, & Anchor End Caps	36IN	W7800PGTA36IN
W7800	PG	TC	Insert, Tape, & End Caps	36IN	W7800PGTC36IN
W7800	PG	TEA	Insert, Tape, Ethafoam, & Anchor End Caps	36IN	W7800PGTEA36IN
W7800	PG	TEC	Insert, Tape, Ethafoam, & End Caps	36IN	W7800PGTEC36IN

\*\* Note: When using welded strip, plastic end caps will be used.  
Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized

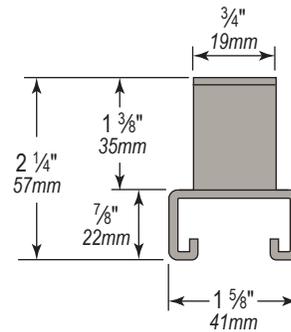
Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 1 3/8" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



Standard Finish: Pre-Galvanized (PG)

## Concrete Inserts - 1<sup>5</sup>/<sub>8</sub>" x 7<sup>8</sup>/<sub>8</sub>" - 12 Gauge

When ordering specify finish. Available in plain, pre-galvanized, hot dip galvanized after fabrication, type 304 and 316 stainless steel. Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized. Refer to page 243 for continuous concrete insert part number selection chart to build complete part number based on desired options.



SPECIFYING Brand & Part No.	Size	Max Allowable Point Load Lbs. (kN)	Min. Spacing of Point Load In. (mm)	Max Allowable Uniform Load	DISCONTINUED Brands & Part No.	
					VERSA-BAR	FLORIDA STRUT
<b>WESANCO</b>						
W7900 x x 16IN	16" (406mm)	1,500 (6.67 kN)	12" (305mm)	3,000 Lbs. (13.34 kN)	--	W7954
W7900 x x 20IN	20" (508mm)				--	W7955
W7900 x x 24IN	24" (610mm)				--	W7956
W7900 x x 32IN	32" (813mm)			--	W7957	
W7900 x x 36IN	36" (914mm)			--	W7957A	
W7900 x x 40IN	40" (1016mm)			--	W7958	
W7900 x x 48IN	4' - 0" (1.2m)			--	W7959	
W7900 x x 60IN	5' - 0" (1.5m)			--	W7960	
W7900 x x 72IN	6' - 0" (1.8m)			--	W7961	
W7900 x x 84IN	7' - 0" (2.1m)			--	W7962	
W7900 x x 96IN	8' - 0" (2.4m)			--	W7963	
W7900 x x 108IN	9' - 0" (2.7m)			--	W7964	
W7900 x x 10	10' - 0" (3.0m)			--	W7965	
W7900 x x 144IN	12' - 0" (3.6m)			--	W7966	
W7900 x x 168IN	14' - 0" (4.2m)			--	W7967	
W7900 x x 192IN	16' - 0" (4.8m)			--	W7968	
W7900 x x 216IN	18' - 0" (5.4m)			--	W7969	
W7900 x x 20	20' - 0" (6.1m)			--	W7970	

† Embedded in 3,000 psi or better concrete, Safety Factor = 3

## Continuous Concrete Insert Part Number Selection Chart

Continuous Concrete Insert Part Number Descriptions					
Base Profile Part Number	Add Finish Code	Add Option Code	Description of Options	Add Length Code	Completed Part Number
W7900	PG	N	Insert Only	36IN	W7900PGN36IN
W7900	PG	T	Insert & Tape	36IN	W7900PGT36IN
W7900	PG	TE	Insert, Tape, & Ethafoam	36IN	W7900PGTE36IN
W7900	PG	TA	Insert, Tape, & Anchor End Caps	36IN	W7900PGTA36IN
W7900	PG	TC	Insert, Tape, & End Caps	36IN	W7900PGTC36IN
W7900	PG	TEA	Insert, Tape, Ethafoam, & Anchor End Caps	36IN	W7900PGTEA36IN
W7900	PG	TEC	Insert, Tape, Ethafoam, & End Caps	36IN	W7900PGTEC36IN

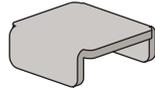
\*\* Note: When using welded strip, plastic end caps will be used.

Stainless steel sizes with Anchor end caps, the end caps will be hot dip galvanized

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

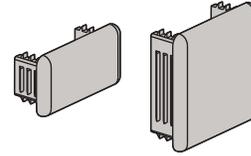


### End Caps



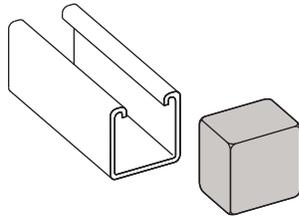
SPECIFYING Brand & Part No.	Channel Usage	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5909	3-1/4" - 12 gauge	VF100111	--
W5908	2-1/2" - 12 gauge	VF10013	--
W5910	2-7/16" - 12 gauge	--	--
W5930	1-5/8" - 12 gauge	VF1001	EC10
W5931	1-5/8" - 14 Gauge	VF10012	EC11
W5933	1-3/8" - 12 gauge	VF10016	--
W5938	1" - 12 gauge	VF100110	--
W5935	7/8" - 12 gauge	--	EC12
W5936	13/16" - 14 Gauge	VF10014	EC12

### Polyurethane End Caps



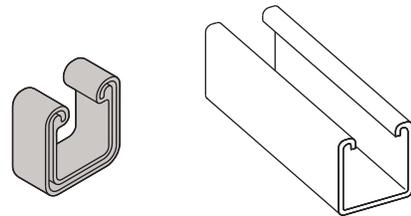
SPECIFYING Brand & Part No.	Color	Channel Usage	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5920PLASTICWHT	White	1-5/8"	--	--
W5920PLASTICRED	Red		--	--
W5925PLASTICWHT	White	13/16" & 7/8"	--	--
W5925PLASTICRED	Red		--	--

### Cover Plastic End Caps



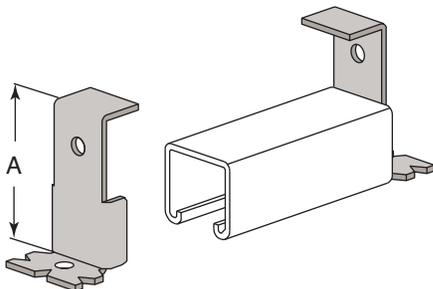
SPECIFYING Brand & Part No.	Color	Channel Usage	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5900PLASTIC	White	3-1/4" or	VF100111PL	--
W5900PLASTICRED	Red	1-5/8" Back to Back	--	--
W5930PLASTIC	White	1-5/8" or	VF10011PL	EC090000VC
W5930PLASTICRED	Red	13/16" Back-to-Back	--	EC09000RVC
W5935PLASTIC	White	13/16"	VF10014PL	EC080000VC
W5935PLASTICRED	Red		--	EC08000RVC

### Form Fit Plastic End Caps



SPECIFYING Brand & Part No.	Channel Usage	DISCONTINUED Brands & Part No.	
		VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5900-M	1-5/8" Back to Back 12 gauge	--	--
W5930-M	1-5/8" - 12 gauge 1-5/8" - 14 Gauge	--	--
W5935-M	13/16" - 14 Gauge	--	--

### Anchor End Caps



SPECIFYING Brand & Part No.	A Height	Channel Usage	DISCONTINUED Brands & Part No.	
			VERSABAR	FLORIDA STRUT
<b>WESANCO</b> W5952	3-1/8" (79mm)	1-5/8"	VF2002	CI20
W5953	2-3/4" (70mm)	1-3/8"	VF20026 *	CI21
W5958	2-3/8" (60mm)	1"	VF200210 *	--
W5959	2-1/4" (57mm)	7/8"	--	--
W5951	2-5/16" (59mm)	13/16"	VF20024	--

\* Height is slightly different, check with representative

Hole Diameter: 9/16" (14mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



# Cush-A-Block® Rooftop Supports

## 75% Faster Strut Install and Change-Out

### Built-in Channel Guide



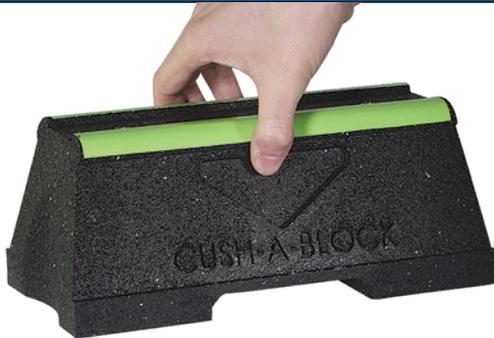
**Straight Strut Installation**

### Embedded Fasteners



**No Rust on the Roof**

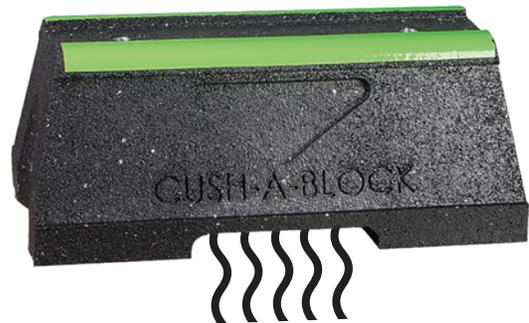
### Easy-carry Hand Grip



**Simple to Lift and Carry**

- 100% Recycled Rubber Qualifies for LEED Credits
- Meets the Buy America Act and American Reinvestment Recovery Act
- Resistant to Freeze and Thaw

### Water Flow-through



**Helps Prevent Mold and Ice Dams**

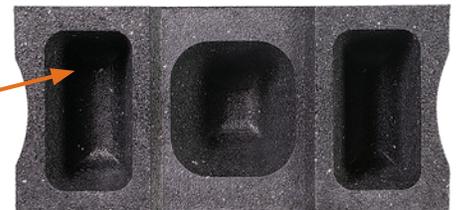
- Dampens Vibrations
- Compatible with Most Rooftop Materials
- Eco-Green Reflective Safety Strip Won't Peel or Flake

Cush-A-Block is manufactured under U.S. patent D824749 and one pending, and Canadian patents #175942 and one pending

## Solar Racking | Pipe & Conduit | HVAC | Rooftop Walkways

The channel for Cush-A-Block support assemblies includes a variety of options. The strut can be made in special lengths, finishes, and alloys including Aluminum, Stainless Steel both 304 & 316, PVC coated, Powder coated, Zinc Trivalent Chromium, Pre-Galvanized and Hot Dipped Galvanized.

Embedded nut eliminates any thru holes and prevents leaks or any rust from forming on the underside of the fastener.



See page 23 for Material or Finish ordering codes for part numbers.



## The “Biggie” Block



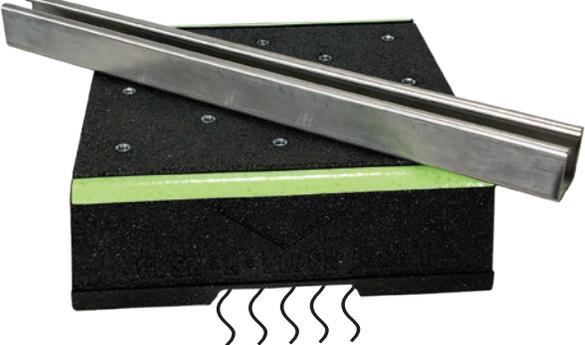
The channel for Cush-A-Block support assemblies includes a variety of options. The strut can be made in special lengths, finishes, and alloys including Aluminum, Stainless Steel both 304 & 316, PVC coated, Powder coated, Zinc Trivalent Chromium, Pre-Galvanized and Hot Dipped Galvanized.

### Embedded Fasteners



#### Quick Strut Change-Out

### Water Flow-through



#### Helps Prevent Mold and Ice Dams

- 100% Recycled Rubber Qualifies for LEED Credits
- Meets the Buy America Act and American Reinvestment Recovery Act
- Resistant to Freeze and Thaw

- Dampens Vibrations
- Compatible with Most Rooftop Materials
- Eco-Green Reflective Safety Strip Won't Peel or Flake

# Cush-A-Block® Rooftop Supports

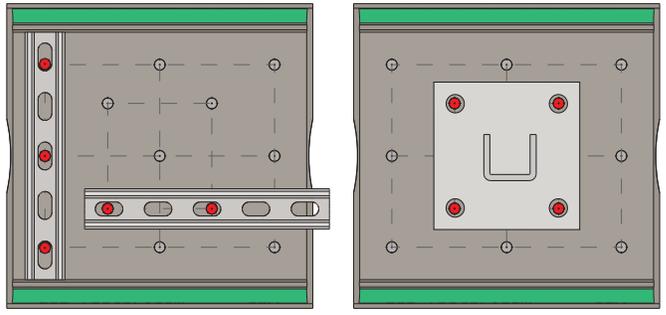
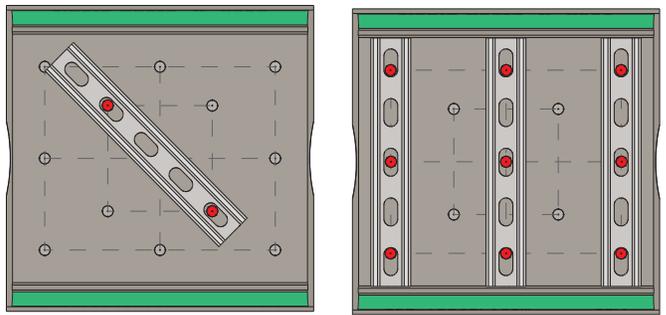
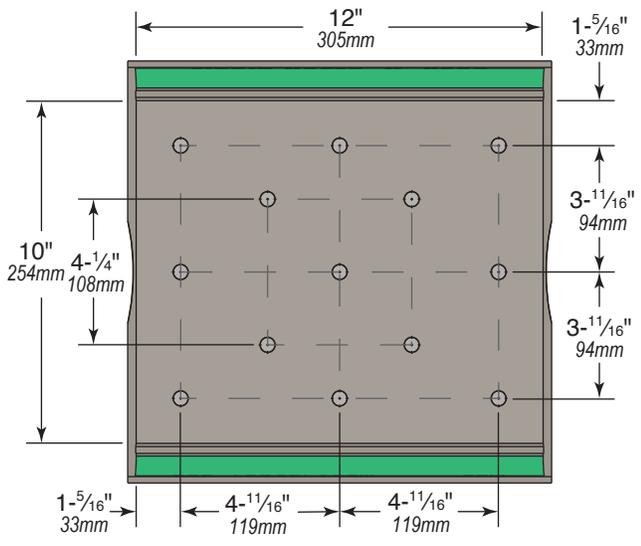
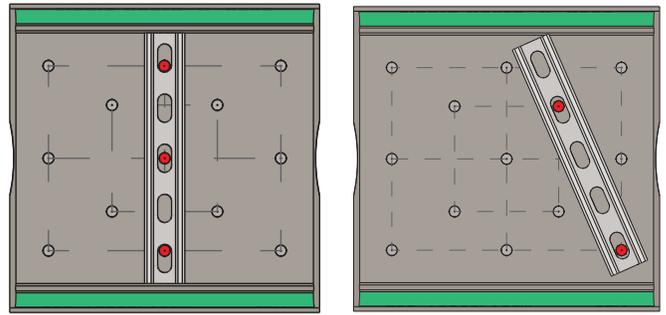
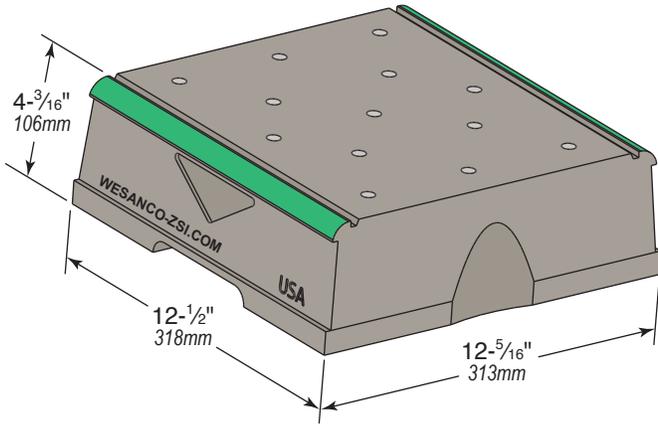


Finishes: Pre-galvanized (PG) or Hot Dipped Galvanized (HG)

## CBB "Biggie" Series

Plain Base

*Embedded Fastener Layout Provides an Amazing Variety of Channel or Fitting Options*



CBB "Biggie" Block Base	
Part No.	Uniform Load Capacity Lbs (kN)*
CBB	7,500 * (33.36 kN)

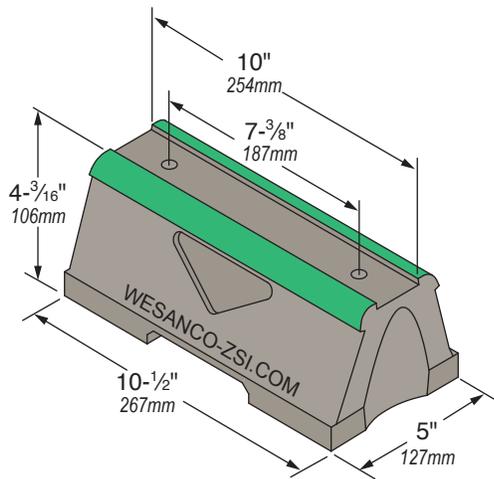
\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity. Surface Area of Block to Roof Contact = 62.8in<sup>2</sup>

- Introduction
- Channel
- Channel Nuts & Hardware
- General Fittings
- Brackets
- Beam Clamps
- Pipe & Conduit Supports
- Electrical Fittings
- Spring Steel
- Concrete Inserts
- Rooftop Supports**
- Fiberglass System
- Technical Data



## CBN Series

Plain Base



Note: The embedded fasteners are conveniently spaced to allow attachment of slotted channel.

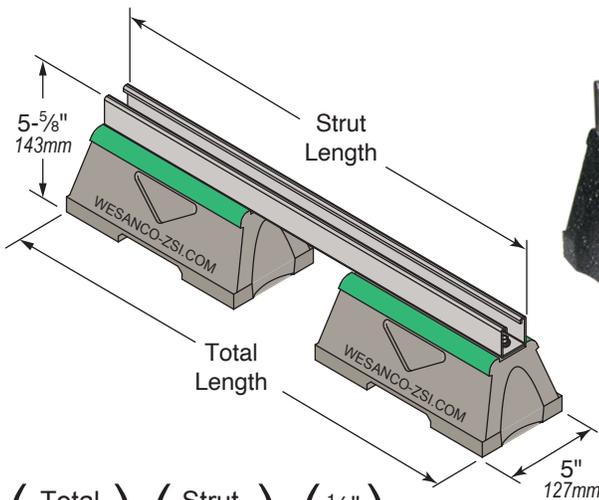
The CBN-Base Rooftop Support is UV resistant and suitable for installation on most types of roofing material or other flat surfaces. Can be used as a curb (sleeper) replacement. Screw fasteners can be used to attach one or two hole pipe straps or a piece of strut (not included).

CBN-Base Series	
Part No.	Uniform Load Capacity Lbs (kN)*
CBN	2,500 * (11.12 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

## CBN-BR Bridge Series

Support With Channel



$$\left( \text{Total Length} \right) = \left( \text{Strut Length} \right) + \left( \frac{1}{2} \text{ inch} \right) \left( \frac{13 \text{ mm}}{1} \right)$$

Like all of the Cush-A-Block supports, the CBN-BR Bridge Rooftop Supports are perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

The CBN-BR Series provides a longer mounting surface with strut lengths up to 60" (1.5m). Custom lengths are available upon request.

Standard strut mount pipe clamps are used to secure the pipes.

CBN-BR Bridge Series Supports with 1-5/8" (41mm) Pre-Galv. or Hot Dip Galv. Steel Channel			
Part No.	Strut Length	Total Length	Uniform Load Lbs (kN)*
CBN28BR	28" (711mm)	28-1/2" (724mm)	1,491* (6.63 kN)
CBN36BR	36" (914mm)	36-1/2" (927mm)	1,160* (5.15 kN)
CBN42BR	42" (1m)	42-1/2" (1.08m)	994* (4.42 kN)
CBN50BR	50" (1.2m)	50-1/2" (1.28m)	835* (3.71 kN)
CBN60BR	60" (1.5m)	60-1/2" (1.54m)	696* (3.09 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



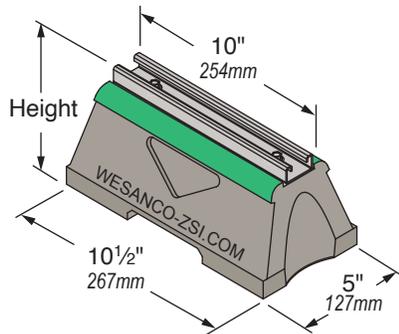
# Cush-A-Block® Rooftop Supports



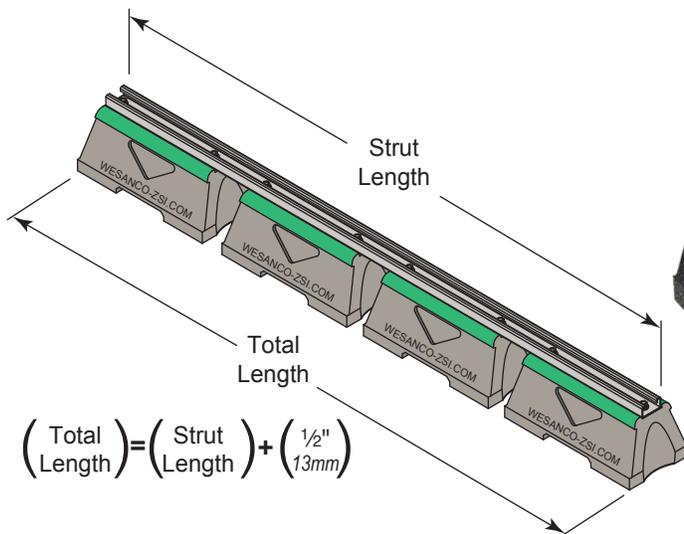
Finishes: Pre-galvanized (PG) or Hot Dipped Galvanized (HG)

## CBN Series

Support With Metal Channel



Shown with 1 3/16" Strut



CBN2RD shown with two bases

The CBN Series provides a longer mounting surface with strut lengths up to 46.82" (1.2m). Custom lengths are available upon request

Part No.	No. of Bases	Height	Strut Length	Total Length	Uniform Load Lbs (kN)*
<b>CBN-Support With 1 3/16" (21mm) Pre-Galv. or Hot Dip Galv. Steel Channel</b>					
CBN1S	1	4-13/16" (122mm)	10" (254mm)	10-1/2" (267mm)	2,500 * (11.12 kN)
CBN2S	2		22" (559mm)	22-1/2" (572mm)	5,000 * (22.24 kN)
CBN3S	3		34" (864mm)	34-1/2" (876mm)	7,500 * (33.36 kN)
CBN4S	4		46" (1.17m)	46-1/2" (1.18m)	10,000 * (44.48 kN)
<b>CBN-Support With 1-5/8" (41mm) Pre-Galv. or Hot Dip Galv. Steel Channel</b>					
CBN1D	1	5-5/8" (143mm)	10" (254mm)	10-1/2" (267mm)	2,500 * (11.12 kN)
CBN2D	2		22" (559mm)	22-1/2" (572mm)	5,000 * (22.24 kN)
CBN3D	3		34" (864mm)	34-1/2" (876mm)	7,500 * (33.36 kN)
CBN4D	4		46" (1.17m)	46-1/2" (1.18m)	10,000 * (44.48 kN)
<b>CBN Support With 2-7/16" (62mm) Pre-Galv. or Hot Dip Galv. Steel Channel</b>					
CBN1RD	1	6-7/16" (164mm)	10" (254mm)	10-1/2" (267mm)	2,500 * (11.12 kN)
CBN2RD	2		22" (559mm)	22-1/2" (572mm)	5,000 * (22.24 kN)
CBN3RD	3		34" (864mm)	34-1/2" (876mm)	7,500 * (33.36 kN)
CBN4RD	4		46" (1.17m)	46-1/2" (1.18m)	10,000 * (44.48 kN)
* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.					



## CBN-EX Series

Support With Raised Channel

CBN-BR Extension Rooftop Supports are perfect for supporting natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications.

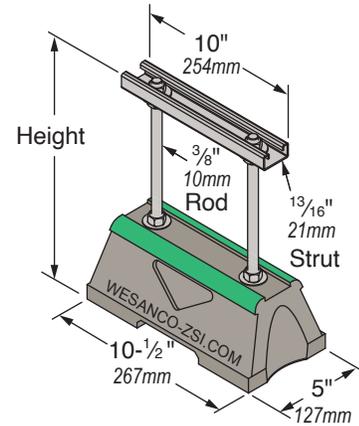
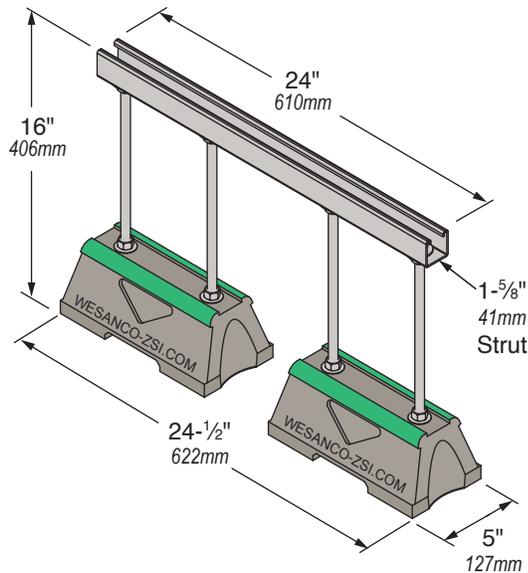
Standard strut mount pipe clamps are used to secure the pipes. Custom lengths are available upon request.



CBN8EX,  
CBN12EX



CBN16EX



**CBN-EX Extension Series Support with 3/8" Threaded Rod  
Extension and Pre-Galv. or Hot Dip Galv. Steel Channel**

Part No.	No. of Bases	Height	Strut Size	Uniform Load Lbs (kN) *
CBN8EX	1	8" (203mm)	13/16" (21mm)	1,000 * (4.44 kN)
CBN12EX	1	12" (305mm)		1,000 * (4.44 kN)
CBN16EX	2	16" (406mm)	1-5/8" (41mm)	2,000 * (8.89 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



# Cush-A-Block® Rooftop Supports

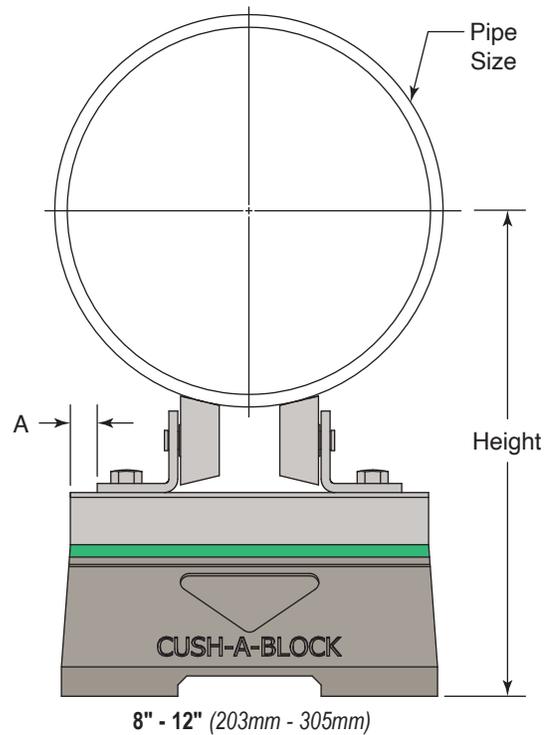
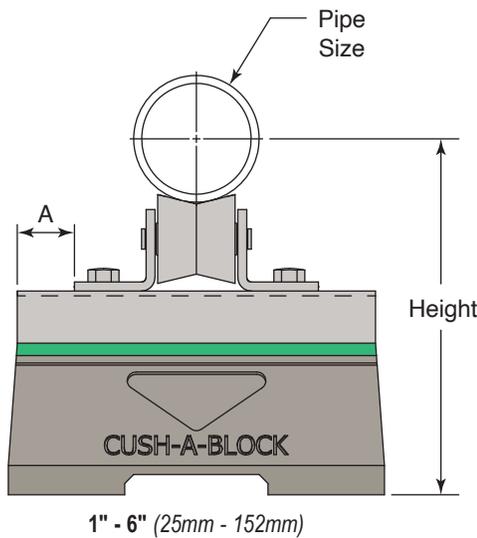
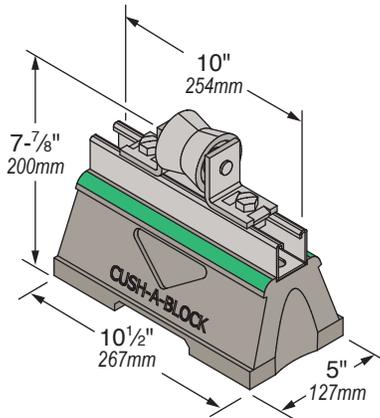


Finishes: Pre-galvanized (PG) or Hot Dipped Galvanized (HG)

## CBN-PRB Series

Support With Pipe Roller

The CBN-PRB Rooftop Supports are designed for superior support of natural gas and refrigeration pipes. The roller allows for longitudinal movements of the pipe. This support is suitable for most types of roofing material or other flat surfaces.



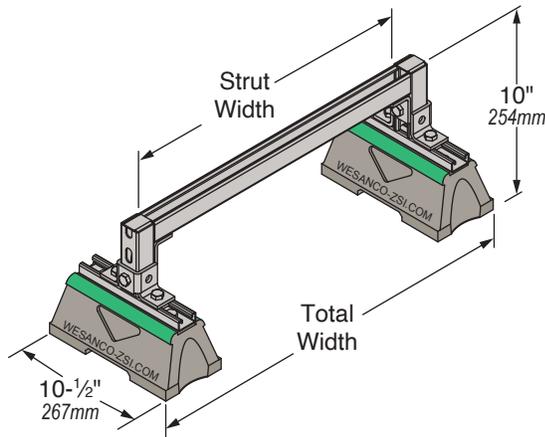
CBN-PRB Roller-Series with 1-5/8" (41mm) Pre-Galv or Hot Dip Galv. Steel Channel with Rollers				
Part No.	Pipe Size (O.D.)	Height	A	Uniform Load Lbs (kN)*
CBNPRB	1"	8.707" (221mm)	1.594" (40mm)	2,500 * (11.12 kN)
	1-1/2"	9.008" (229mm)		
	2"	9.252" (235mm)		
	2-1/2"	9.509" (242mm)		
	3"	9.831" (250mm)		
	4"	10.345" (263mm)		
	6"	11.437" (291mm)		
	8"	12.323" (313mm)	1.000" (25mm)	
	12"	14.384" (365mm)	0.750" (19mm)	
18"	16.904" (429mm)	0" (0mm)		

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



## CBN-RB Series

Support With Raised Bridge Medium Support



The CBN-RB Medium Rooftop Supports can support natural gas and refrigeration piping systems, cable tray, electrical conduit, multiple lines, HVAC equipment and many other applications. They are designed for rooftop applications requiring a heavier load bearing capacity, and are suitable for most types of roofing material or other flat surfaces. Custom lengths are available upon request.

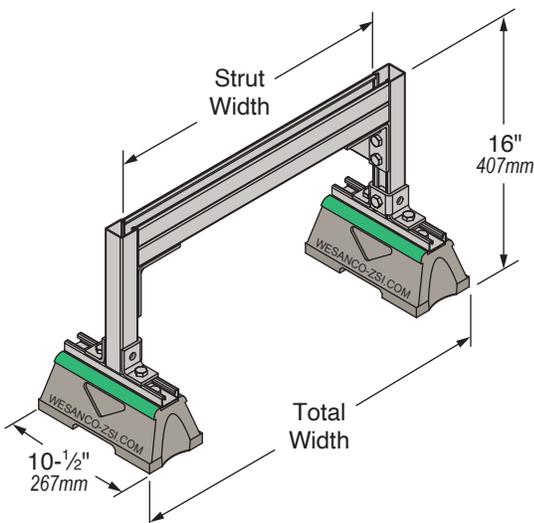
Standard strut mount pipe clamps are used to secure the pipes.

Raised Bridge Medium Support with 2 CBN Bases & 1-5/8" (41mm) Pre-Galv or Hot Dip Galv. Steel Channel			
Part No.	Total Width	Strut Width	Uniform Load Lbs (kN)*
CBN1RB	18.65" (474mm)	12" (305mm)	3,000 * (13.34 kN)
CBN2RB	30.65" (779mm)	24" (610mm)	1,500 * (6.67 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

## CBN-RB Series

Support With Raised Channel Heavy Support



The CBN-RB Heavy Rooftop Supports is designed for rooftop applications requiring a heavier load bearing capacity. It is suitable for most types of roofing material or other flat surfaces. Custom lengths are available upon request.

Standard strut mount pipe clamps are used to secure the pipes.

Raised Bridge Heavy Support with 2 CBN Bases & 3-1/4" (83mm) Back-to-Back Pre-Galv or Hot Dip Galv. Steel Channel			
Part No.	Total Width	Strut Width	Uniform Load Lbs (kN)*
CBN3RB	30.65" (779mm)	24" (610mm)	2,500†* (15.56 kN)
CBN4RB	42.65" (1.1m)	36" (914mm)	2,500†* (14.45 kN)

\* This load is only for the capacity of the components in this assembly.  
 † Beam load is limited by weld shear  
 Please consult roofing manufacturer or engineer for roof load capacity.



# Cush-A-Block® Rooftop Supports



Finishes: Pre-galvanized (PG) or Hot Dipped Galvanized (HG)

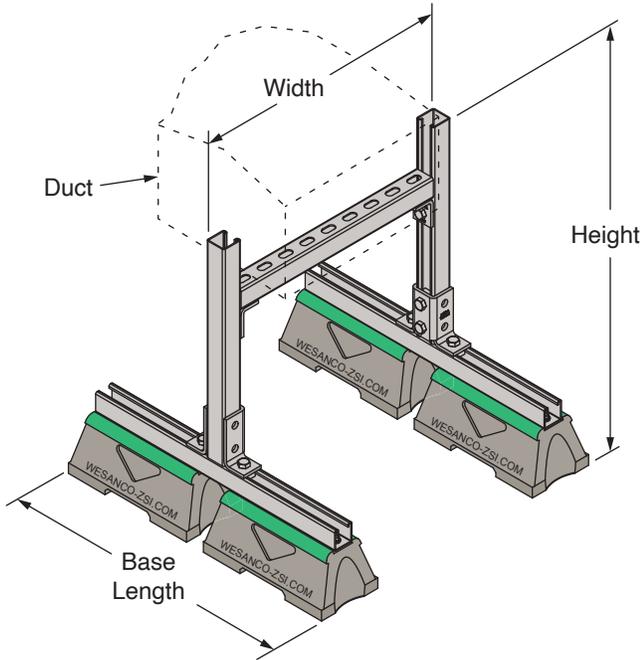


## CBN-DSFW Series

Fixed Width Duct Support

The CBN-DSFW Series is designed specifically for supporting duct work. The cross beam provides easy size adjustments. Custom lengths are available upon request.

Standard strut mount pipe clamps are used to secure the pipes.



**CBN-DSFW Duct Support Series With Fixed Width & Adjustable Height with 1-5/8" (41mm) Pre-Galv or Hot Dip Galv. Steel Channel**

Part No.	Height	Width	Base Length	No. of Bases	Uniform Load Capacity Lbs(kN) *
CBN1-DSFW	23" (584mm)	18" (457mm)	24" (610mm)	4	2042 * (9.08 kN)
CBN2-DSFW		24" (610mm)			1531 * (6.81 kN)
CBN3-DSFW		36" (914mm)			1021 * (4.54 kN)
CBN4-DSFW		48" (1.2m)			766 * (3.40 kN)
CBN5-DSFW	29" (737mm)	18" (457mm)	24" (610mm)	4	2042 * (9.08 kN)
CBN6-DSFW		24" (610mm)			1531 * (6.81 kN)
CBN7-DSFW		36" (914mm)			1021 * (4.54 kN)
CBN8-DSFW		48" (1.2m)			766 * (3.40 kN)
CBN9-DSFW	41" (1m)	18" (457mm)	24" (610mm)	4	2042 * (9.08 kN)
CBN10-DSFW		24" (610mm)			1531 * (6.81 kN)
CBN11-DSFW		36" (914mm)			1021 * (4.54 kN)
CBN12-DSFW		48" (1.2m)			766 * (3.40 kN)
CBN13-DSFW	53" (1.3m)	18" (457mm)	36" (914mm)	6	2042 * (9.08 kN)
CBN14-DSFW		24" (610mm)			1531 * (6.81 kN)
CBN15-DSFW		36" (914mm)			1021 * (4.54 kN)
CBN16-DSFW		48" (1.2m)			766 * (3.40 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



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Pipe & Conduit Supports

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Concrete Inserts

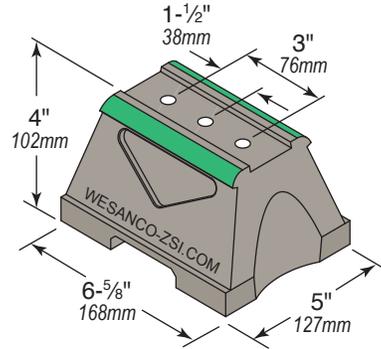
Rooftop Supports

Fiberglass System

Technical Data

## CBM

Cush-A-Block Mini

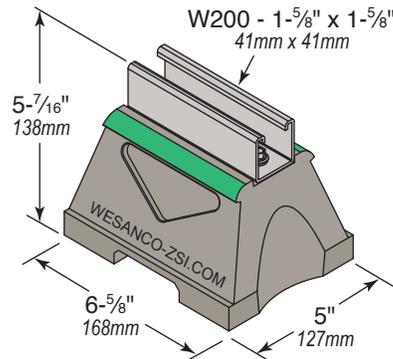
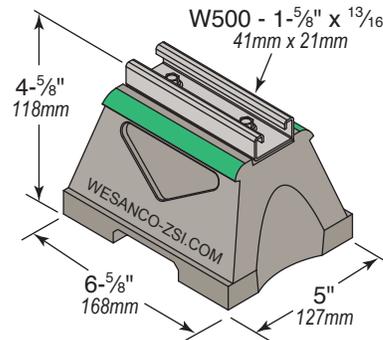


CBM-Base Series	
Part No.	Uniform Load Capacity (Lbs) *
<b>CBM</b>	400 (1.78 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

## CBM Series

Support with Metal Channel



Part No.	Uniform Load Capacity (Lbs) *
<b>CBM-Support with 1.3/16" (21mm) Pre-Galv or Hot Dip Galv. Steel Channel</b>	
<b>CBM1S</b>	400 (1.78 kN)
<b>CBM-Support with 1.5/8" (41mm) Pre-Galv or Hot Dip Galv. Steel Channel</b>	
<b>CBM1D</b>	400 (1.78 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



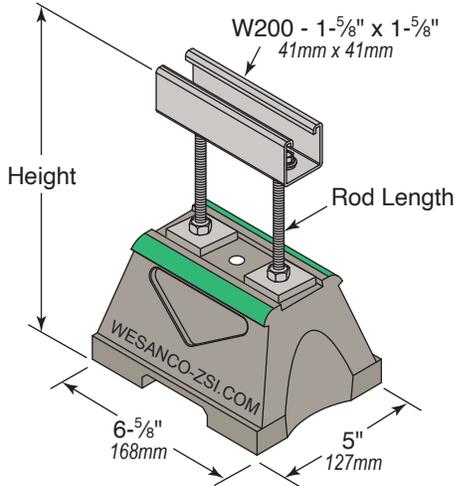
# Cush-A-Block® Rooftop Supports



Finishes: Pre-galvanized (PG) or Hot Dipped Galvanized (HG)

## CBM REX Series

Support with Raised 1-5/8" Metal Channel

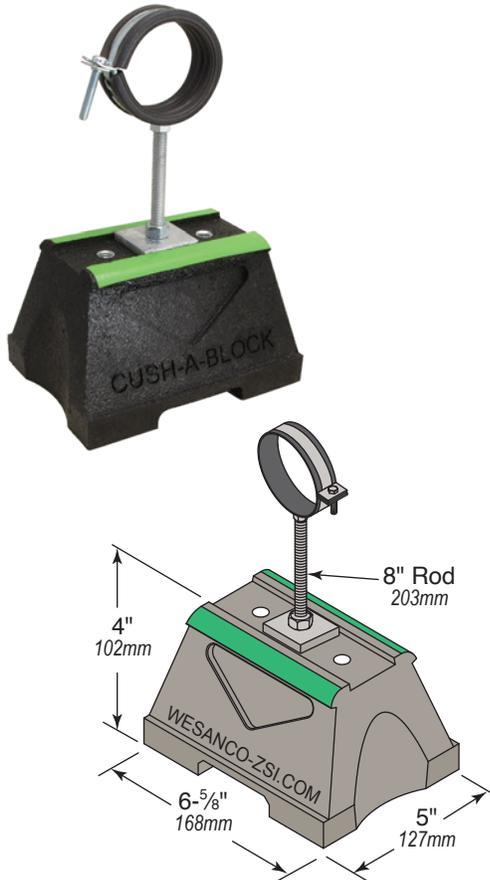
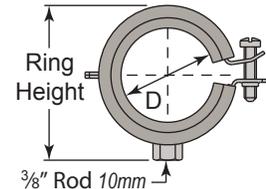


CBM-Support Extension with 3/8" Threaded Rod Extension & 1-5/8" (41mm) Pre-Galv or Hot Dip Galv. Steel Channel			
Part No.	Height	Rod Length	Uniform Load Lbs (kN) *
CBM10REX	10" (254mm)	6" (152mm)	175 (0.78 kN)
CBM12REX	12" (305mm)	8" (203mm)	175 (0.78 kN)

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

## CBMPH Series

Support with Raised SPH Cush-A-Ring Clamp for Copper Tube or Steel Tube or Pipe



CBMPH Series Cush-A-Block Mini with Raised SPH Cush-A-Ring Clamp for Copper or Steel Tube or Pipe					
Part No.	D	IP	CT	Ring Height	Uniform Load Lbs (kN) *
CBMPH1	0.433" - 0.551" (11 - 14mm)	1/4"	3/8"	1.4" (36mm)	125 (0.56 kN)
CBMPH2	0.591" - 0.709" (15 - 18mm)	3/8"	1/2"	1.4" (36mm)	
CBMPH3	0.787" - 0.906" (20 - 23mm)	1/2"	3/4"	1.6" (41mm)	
CBMPH4	0.984" - 1.102" (25 - 28mm)	3/4"	1"	1.8" (46mm)	
CBMPH5	1.22" - 1.378" (31 - 35mm)	1"	1 1/4"	2.0" (51mm)	
CBMPH6	1.575" - 1.693" (40 - 43mm)	1 1/4"	1 1/2"	2.4" (61mm)	
CBMPH7	1.89" - 2.087" (48 - 53mm)	1 1/2"	-	2.6" (66mm)	
CBMPH8	2.126" - 2.205" (54 - 56mm)	-	2"	2.8" (71mm)	
CBMPH9	2.244" - 2.48" (57 - 63mm)	2"	-	3.1" (79mm)	
CBMPH10	2.52" - 2.756" (64 - 70mm)	-	2 1/2"	3.9" (99mm)	
Below parts have 2 bolt configuration SPH Clamps					
CBMPH11	2.874" - 3.15" (73 - 80mm)	2 1/2"	3"	4.3" (109 mm)	125 (0.56 kN)
CBMPH12	3.268" - 3.583" (83 - 91mm)	3"	-	4.8" (122 mm)	
CBMPH13	3.937" - 4.134" (100 - 105 mm)	-	4"	5.3" (135 mm)	
CBMPH14	4.252" - 4.488" (108 - 114mm)	4"	-	5.7" (145 mm)	

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

See Page 148 for more information on the SPH Cush-A-Ring Clamps



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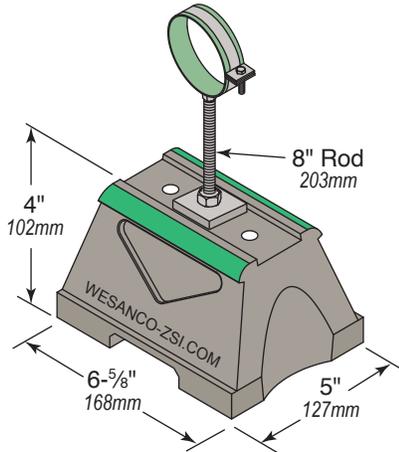
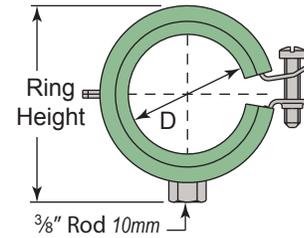
Rooftop Supports

Fiberglass System

Technical Data

## CBMPP Series

Support with Raised SPP Cush-A-Ring Clamp for PEX, CPVC, or PVC Pipe



CBMPP Series Cush-A-Block Mini with Raised SPP Cush-A-Ring Clamp for PEX, CPVC or PVC Pipe					
Part No.	D (mm)	PVC / CPVC	PEX	Ring Height	Load Capacity (Lbs) *
CBMPP2	0.591" - 0.709" (15 - 18mm)	3/8"	1/2"	1.4" (36mm)	125 (0.56 kN)
CBMPP3	0.787" - 0.906" (20 - 23mm)	1/2"	3/4"	1.7" (43mm)	
CBMPP4	0.984" - 1.102" (25 - 28mm)	3/4"	1"	1.9" (48mm)	
CBMPP5	1.22" - 1.378" (31 - 35mm)	1"	1 1/4"	2.2" (56mm)	
CBMPP6	1.575" - 1.693" (40 - 43mm)	1 1/4"	1 1/2"	2.6" (66mm)	
CBMPP7	1.89" - 2.087" (48 - 53mm)	1 1/2"	-	3.0" (76mm)	
CBMPP8	2.126" - 2.205" (54 - 56mm)	-	2"	3.0" (76mm)	
CBMPP9	2.362" - 2.559" (60 - 65mm)	2"	-	3.4" (86mm)	
CBMPP10	2.756" - 2.992" (70 - 76mm)	2 1/2"	-	4.1" (104mm)	
Below parts have 2 bolt configuration SPP Clamps					
CBMPP11	3.386" - 3.583" (86 - 91mm)	3"	-	4.6" (117mm)	125 (0.56 kN)
CBMPP12	4.331" - 4.488" (110 - 114mm)	4"	-	5.8" (147mm)	

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.

See Page 149 for more information on the SPP Cush-A-Ring Clamps

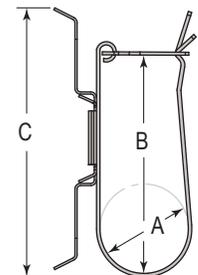
## CBMTRH Series

Support with Raised TRH Hanger System for Cable runs or Insulated Flow and Return Lines

Supports a pair of insulated flow and return refrigerant lines on 3/8" threaded rod. The spring steel hanger grips the rod tightly, and the black zinc coating offers corrosion resistance while matching the insulation color.

See page 219 for TRH Hanger information

- Quick to Install & Adjust
- Rolled steel edges for safe cable runs
- Spring steel hanger grips rod tightly



CBMTRH Series Cush-A-Block Mini with Raised TRH Hanger Clamp for Cable Runs or Insulated Pipe & Tubing					
Part No.	Flow & Return Pipe Pairs	A	B	C	Uniform Load Lbs (kN) *
CBMTRH2	3/8" Liquid & 5/8" Gas	1.28" (33mm)	3.12" (79mm)	3.82" (97mm)	175 (0.78 kN)
CBMTRH3	1/2" Liquid & 7/8" Gas	1.40" (36mm)	3.28" (83mm)	3.70" (94mm)	
CBMTRH4	5/8" Liquid & 1-1/8" Gas	2.40" (61mm)	4.17" (106mm)	5.00" (127mm)	
CBMTRH5		3.38" (86mm)	6.26" (159mm)	7.03" (179mm)	

\* This load is only for the capacity of the components in this assembly. Please consult roofing manufacturer or engineer for roof load capacity.



## Vibration Isolation Products from ZSI

When installing pipe, tube, hose, or equipment the effects of vibration, shock, surge, galvanic corrosion and unwanted noise are a major concern. Improperly cushioned equipment, pipe, tube, or hose invites failure and potential problems. New developments in cushioned clamping and vibration isolation products from ZSI provide the proper solutions to combat these effects.

ZSI's products have earned a well-deserved reputation for unparalleled quality and effectiveness. As industry develops new needs, ZSI can and will respond with superior quality products and innovative solutions.



**EXTREME**



**STANDARD**



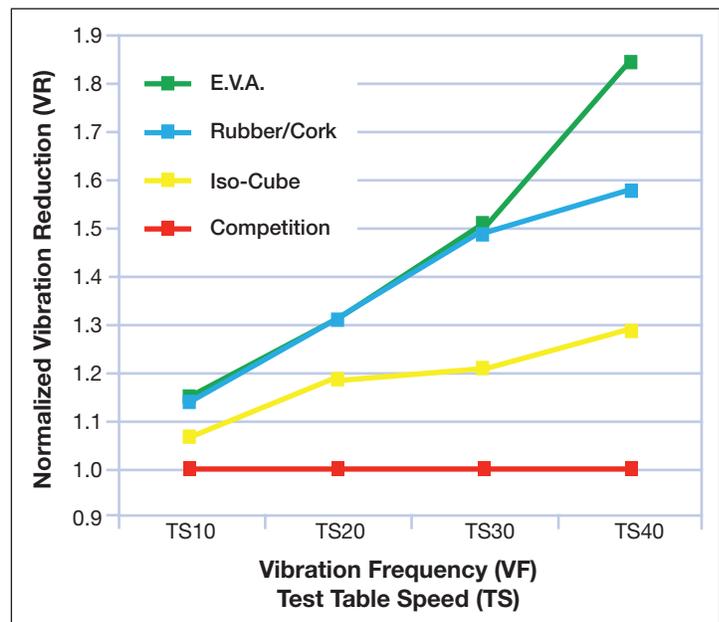
**ISO-CUBE**



**SHIELD**



**ANTI-VIBRATION PAD PERFORMANCE**



- Introduction
- Channel
- Channel Nuts & Hardware
- General Fittings
- Brackets
- Beam Clamps
- Pipe & Conduit Supports
- Electrical Fittings
- Spring Steel
- Concrete Inserts
- Rooftop Supports**
- Fiberglass System
- Technical Data

## GAMMA Shield

Rubber Mat

Shields equipment from vibration and movement when lesser amounts of vibration absorption is needed.



Part No.	Description
AR-2	2" x 2" x 3/8" (51mm x 51mm x 10mm) All Rubber AV Pad
AR-3	3" x 3" x 3/8" (76mm x 76mm x 10mm) All Rubber AV Pad
AR-4	4" x 4" x 3/8" (102mm x 102mm x 10mm) All Rubber AV Pad
AR-6	6" x 6" x 3/8" (152mm x 152mm x 10mm) All Rubber AV Pad
AR-18	18" x 18" x 3/8" (457mm x 457mm x 10mm) All Rubber AV Pad

## ISO - Cube

Solid Rubber Tough

Natural rubber pads designed to reduce vibration and noise emanating from refrigeration or AC equipment. Circular design offers a suction cup effect eliminating the need to bolt the pads down. A standard 18" (457mm) pad divides into eighty-one 2" (51mm) segments which may be cut or torn into smaller pads. The 50 durometer pads will withstand a load of 180 psi (12.4 bar) with great resiliency.



Part No.	Description
AS-2	2" x 2" x 3/4" (51mm x 51mm x 19mm) ISO-Cube
AS-18	18" x 18" x 3/4" (457mm x 457mm x 19mm) ISO-Cube

## GAMMA Standard Pad

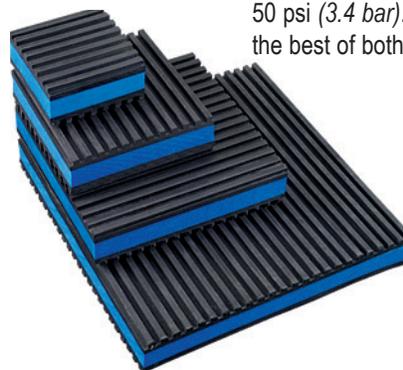
The Industry Standard Highest quality elastomeric oil resistant padding. Designed to withstand 50 psi (3.4 bar). The rubber pads are corrugated on both sides and laminated to the cork center.



Part No.	Description
AC-2	2" x 2" x 7/8" (51mm x 51mm x 22mm) Cork / Rubber AV Pad
AC-3	3" x 3" x 7/8" (76mm x 76mm x 22mm) Cork / Rubber AV Pad
AC-4	4" x 4" x 7/8" (102mm x 102mm x 22mm) Cork / Rubber AV Pad
AC-6	6" x 6" x 7/8" (152mm x 152mm x 22mm) Cork / Rubber AV Pad
AC-18	18" x 18" x 7/8" (457mm x 457mm x 22mm) Cork / Rubber AV Pad

## GAMMA Extreme Pad

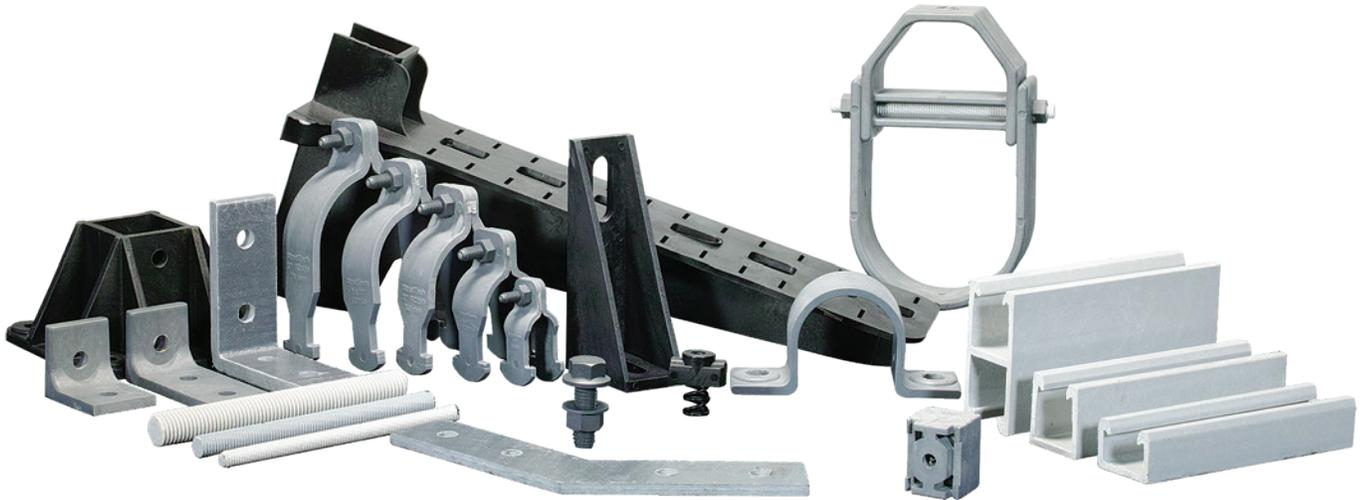
The **BEST** Performer E.V.A. (Extreme Vibration Attenuation) is the latest generation in vibration dampening technology. In the most severe vibration extremes, testing shows the E.V.A. pad outperforms cork and rubber by greater than 3:1 and outperforms our competitor's "waffle" pad by greater than 8:1! The enhanced performance comes from the special composite foam center which is structurally more sound than cork. E.V.A. is not affected by oils or chemicals that can break down cork and is much more effective at vibration dampening than solid rubber. Designed to withstand 50 psi (3.4 bar). Choose E.V.A. to get the best of both worlds!



Part No.	Description
AV-2	2" x 2" x 7/8" (51mm x 51mm x 22mm) E.V.A. Pad
AV-3	3" x 3" x 7/8" (76mm x 76mm x 22mm) E.V.A. Pad
AV-4	4" x 4" x 7/8" (102mm x 102mm x 22mm) E.V.A. Pad
AV-6	6" x 6" x 7/8" (152mm x 152mm x 22mm) E.V.A. Pad
AV-18	18" x 18" x 7/8" (457mm x 457mm x 22mm) E.V.A. Pad

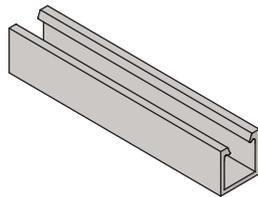


# Fiberglass Framing System



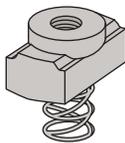
## Channel

Pages 266 - 271



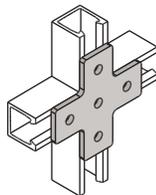
## Channel Nuts & Hardware

Pages 272 - 274



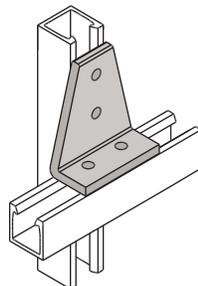
## Flat Plate Fittings

Pages 275 - 279



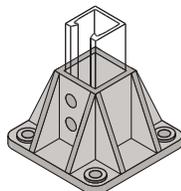
## Angle & "U" Shape Fittings

Pages 280 - 281



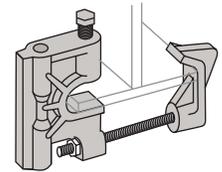
## Post Base

Page 282



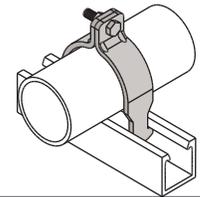
## Beam Clips & Beam Clamps

Pages 283 - 284



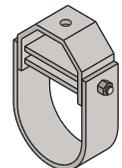
## Pipe Clamps

Pages 285 - 290



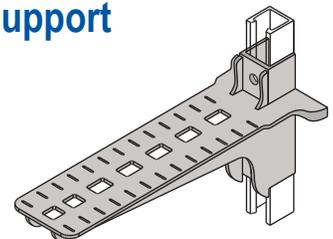
## Clevis Hanger

Page 291



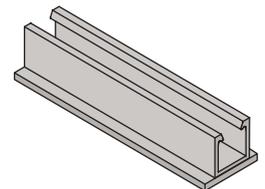
## Cable & Conduit Support

Pages 292 - 294



## Concrete Inserts

Page 295



## Technical Data

Pages 265, 296 - 298

Wesanco Fiberglass offers the many features and benefits:

- Interchangeable with Industry Standard Channel Systems
- Light Weight & Fire retardant
- Easy to cut and fabricate
- Cost competitive
- Corrosion Resistant
- Complete line of corrosion-resistant fiberglass components
- Easy to field cut and drill



## Products

We offer a complete line of corrosion resistant pipe hangers, clevis hangers, angle brackets, splice plates, base plates and fasteners typically found in common pipe/conduit support systems.



## Industries

Channel framing can be used in various industries:

- Aquaculture
- Aquariums
- Bio Tech Industry
- Bridge Utility Structures
- Chemical Plants
- Commercial Refrigeration
- Data Centers
- Electrical Applications
- Electronics Industry
- Food Processing
- Greenhouses
- Marinas
- Metal Processing
- Metal Plating Facilities
- MRI Rooms
- Oil Refineries
- Server Farm Industry
- Sewage Treatment Plants
- Shipbuilding
- Underground Vaults
- Water Rides
- Water Treatment
- Water Desalination

## Services

We have engineering assistance available and offer custom fabrication to solve you toughest support problems!.



## 1.0 SCOPE

1.1 This specification covers the requirements for the Wesanco non-metallic channel framing system.

## 2.0 SYSTEM REQUIREMENTS

2.1 To provide single source responsibility, the channel framing and components including purchasing options after startup, the supplied system (including pipe clamps) must be interchangeable with industry standard 1-<sup>5</sup>/<sub>8</sub>" (41mm) steel and fiberglass channel framing systems.

## 3.0 MATERIALS

3.1 This specification is for Polyester (standard) or Vinyl Ester (premium Corrosion Resistant resins as required for all fiberglass materials. Polyurethane thermoplastics are required for injection molded components.

3.2 Flame spread properties shall be as follows: Vinyl Ester Fiberglass (Series VF) Class 1 ASTM E-84 Polyester Fiberglass (Series PF) Class 1 ASTM E-84 Polyurethane V-O UL 94V PVC (Capping Strip) 5V & V-O UL 94

3.3 Fiberglass Channel physical properties shall be as shown in chart below:

## 4.0 CHANNEL FRAMING & SYSTEM COMPONENTS

4.1 Channel Framing Series 100 & 200

4.1.1 All fiberglass channels shall be manufactured using either vinyl ester or polyester resin. Resin selection must meet requirements of the Wesanco chemical resistance chart. Fiberglass channel sizes shall have polyester surface veil over 100% of the surface to provide protection against degradation from ultraviolet light.

4.1.2 Vertical channel sections supporting the horizontal piping require stop lock hardware at each pipe clamp to prevent slippage. Stop lock hardware combines a channel nut, bolt and mounting plate attached under the pipe clamp.

## 4.2 Pipe Clamps

4.2.1 Adjustable Pipe Clamps shall be non-metallic and non conductive, manufactured by the injection molded process using thermoplastic polyurethane. Maximum pipe diameter supported by adjustable clamps shall be 3" (76mm).

4.2.2 Glass Filled Rigid Pipe Clamps for pipe and conduit under 8 inches (203mm) shall be non-metallic and non-conductive; manufactured by the injection molded process using thermoplastic polyurethane or polyester. Resin selection must meet requirements of the Wesanco chemical resistance chart. Rigid pipe clamps for pipe and conduit over 8" (203mm) shall be thermoset vinyl ester fiberglass, and shall be manufactured by either hand laminations or resin transfer molded. Injection molded parts for pipe and conduit sizes over 8" (203mm) are not acceptable.

## 4.3 Channel Fittings & Post Bases

4.3.1 All channel fittings and post bases shall be made from glass filled polyurethane or polyester. Resin selection must meet requirements of the Wesanco chemical resistance chart.

## 4.4 Fasteners

4.4.1 All fasteners shall be made from one of the following materials: Glass filled polyurethane, vinyl ester fiberglass, stainless steel. Resin selection must meet requirements of the Wesanco chemical resistance chart.

## 5.0 ACCEPTABLE MANUFACTURER

5.1 Wesanco 800-323-7053 - [www.Wesanco-ZSi.com](http://www.Wesanco-ZSi.com)

Item	Longitudinal Vinyl Ester	Transverse Vinyl Ester	Longitudinal Polyester	Transverse Polyester
Tensile Strength (psi)	37,000	10,000	30,000	7,000
Tensile Modulus (psi) x 10 <sup>6</sup>	3.0	1.0	2.5	0.8
Flexural Strength (psi)	37,000	14,000	20,000	10,000
Flexural Modulus (psi) x 10 <sup>6</sup>	2.0	1.0	1.6	0.8
Compressive Strength	37,500	20,000	30,000	15,000
Shear Strength (psi)	6,000	5,500	5,500	5,500
Izod Impact ft. lbs /in.	30	5	28	4



Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

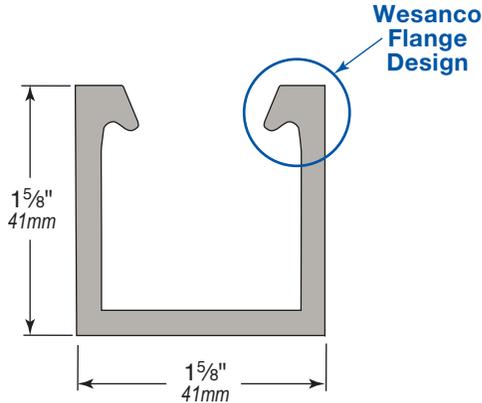
Spring Steel

Concrete Inserts

Rooftop Supports

Fiberglass System

Technical Data



All Wesanco fiberglass strut channel profiles incorporate a superior flange design that provides for a reliably strong fastening and attachment method of Wesanco components and accessories.

Strut Channels are provided in standard 10' lengths with longer lengths being available upon request.

Wesanco fiberglass strut channel profiles will not only work with standard Wesanco Fiberglass components and accessories but will also work with standard Steel or Stainless Strut Clamps from the Wesanco Brand as well as many other Industry Standard Brands. Because of this unique profile design, the industry standard fiberglass strut profile known as the SST profile is not needed as with most other brands of Fiberglass Strut and Accessories that have to provide both for those users that prefer standard steel or stainless-steel strut straps to be used in their application.

Wesanco strut channels are available in two materials:

- Polyester (PF material) - Gray
- Vinyl Ester (VF material) - Beige

## Polyester and Vinyl Ester Resins

Polyester and vinyl ester strut channels are manufactured by utilizing the pultrusion process shown below. In this process, the components are made by utilizing a reinforcing polymer resin that can be either polyester or vinyl ester that is combined with multiple strands of glass filaments along with alternating layers of glass mat and U.V. resistant surfacing veils. The combined glass is pulled through the liquid resin, which permeates all the fibers. The combination of glass, resin, mats, and veil is then continuously pultruded (pulled) through a heated die that has been shaped to create the dimensions of the strut channel profile being manufactured.

The resin and glass components are cured together in the die to form a permanent pultruded strut channel profile that can be fabricated or cut to different lengths that may be needed. Since the fully cured fiberglass pultruded strut channel profile is reinforced with an internal assortment of permanently bonded continuous glass fibers, mats, and external veils it possesses great strength.

Wesanco pultruded fiberglass strut channels have exceptional corrosion and fire resistance. These characteristics of fiberglass materials make it the choice for many harsh industrial applications.

Wesanco polyester and vinyl ester strut channels are color coded. Polyester channels are colored gray and the vinyl ester channels are colored beige giving you the assurance you have the correct product for your application.



Fiberglass channels are produced in two resins, Polyester (PF) and Vinyl Ester (VF), that contain continuous glass fibers. This provides excellent strength characteristics and thermal properties.

All pultruded channels are produced with U.V. resistant surface veils. These materials are Class 1 Fire Rated per ASTM E-84. Refer to the Corrosion Resistance Guide for your specific application.

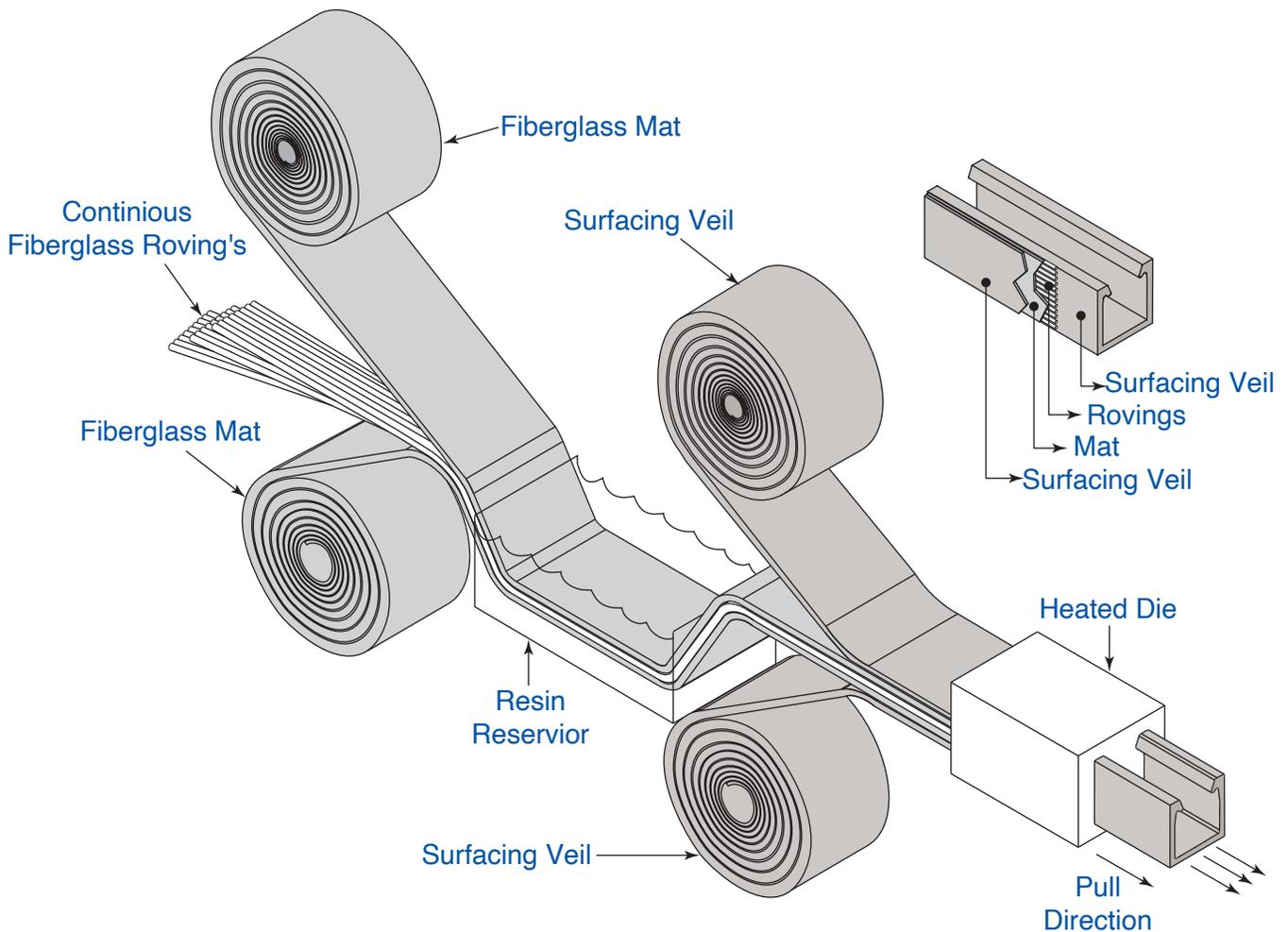
## Polyester:

- General Purpose
- Good Corrosion Resistance for most applications
- Temperature Range - 30°F to +150°F (-34°C to 66°C)
- Standard Color Gray

## Vinyl Ester:

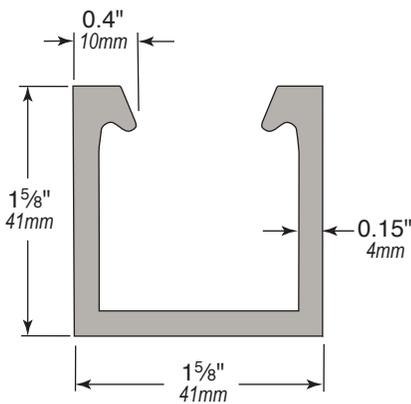
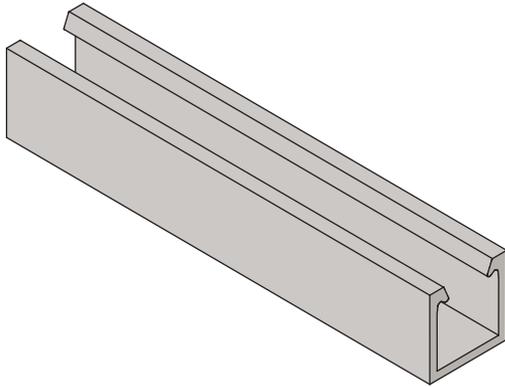
- Premium Grade
- Excellent Corrosion Resistance
- Temperature Range - 35°F to +200°F (-37°C to 93°C)
- Standard Color Beige

## PULTRUSION PROCESS



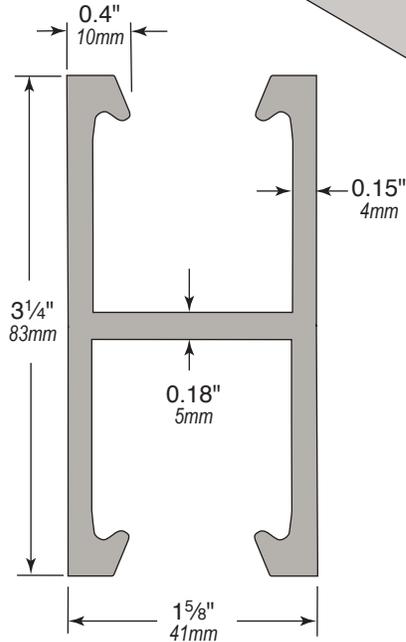
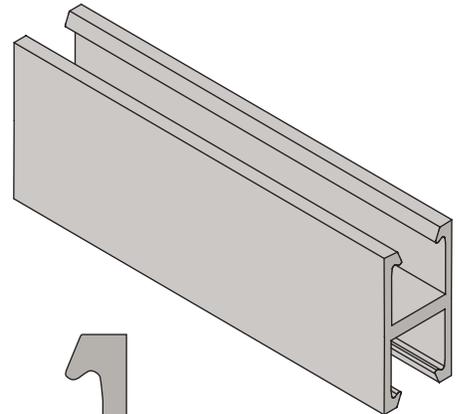
Standard: Polyester (PF) or Vinyl Ester (VF)

## W200PF 1-5/8" x 1-5/8" Solid Channel



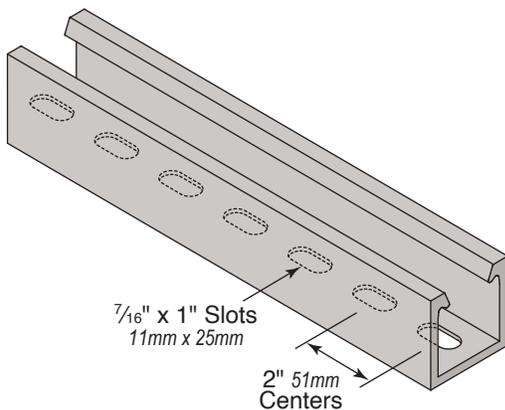
Part No.	Material
W200PF	Polyester Fire Rated Fiberglass
W200VF	Vinyl Ester Fire Rated Fiberglass

## W201PF 1-5/8" x 3-1/4" Solid Back-to-Back Channel



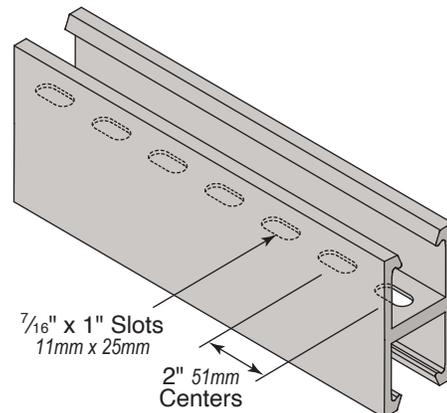
Part No.	Material
W201PF	Polyester Fire Rated Fiberglass
W201VF	Vinyl Ester Fire Rated Fiberglass

## W200EHPF 1-5/8" x 1-5/8" Channel with Short Slots



Part No.	Material
W200EHPF	Polyester Fire Rated Fiberglass
W200EHVF	Vinyl Ester Fire Rated Fiberglass

## W201EHPF 1-5/8" x 3-1/4" Back-to-Back Channel with Short Slots



Part No.	Material
W201EHPF	Polyester Fire Rated Fiberglass
W201EHVF	Vinyl Ester Fire Rated Fiberglass



Channel Load Data

Elements of Sections

Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis		
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	cx in. (cx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	cy in. (cy cm)
<b>1-5/8" x 1-5/8" (41mm x 41mm) Channel</b>								
W200PF	0.82 (0.37)	1.06 (6.63)	0.31 (12.90)	0.54 (8.85)	0.70 (1.78)	0.42 (17.48)	0.63 (10.32)	0.82 (2.08)
<b>1-5/8" x 3-1/4" (41mm x 83mm) Channel</b>								
W201PF	1.64 (0.74)	2.12 (13.67)	1.77 (73.67)	0.91 (14.91)	1.63 (4.14)	0.85 (35.38)	0.63 (10.32)	0.82 (2.08)

Ultimate Design Flexural: 40,000 psi (longitudinal)  
 Modulus of elasticity=E= 3,000,000 psi (longitudinal)  
 Minimum Safety Factor= 3:1

1 5/8" x 1 5/8" (41mm x 41mm) Channel Beam and Column Loads

Span	Maximum Uniform Beam Load		Uniform Load at Deflection Span /360		Maximum Column Load
	Load	Deflection	Load	Deflection	
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	In (mm)	Lbs (kN)
12 (305)	3,565 (15.9)	0.1 (2.59)	1,160 (5.2)	0.03 (0.84)	5,165 (23.0)
18 (457)	2,376 (10.6)	0.23 (5.85)	516 (2.3)	0.05 (1.27)	4,709 (20.9)
24 (610)	1,783 (7.9)	0.41 (10.42)	290 (1.3)	0.07 (1.70)	4,172 (18.6)
30 (762)	1,425 (6.3)	0.64 (16.27)	185 (0.8)	0.08 (2.11)	3,557 (15.8)
36 (914)	1,188 (5.3)	0.92 (23.44)	129 (0.6)	0.10 (2.54)	2,862 (12.7)
48 (1,219)	891 (4.0)	1.64 (41.65)	72 (0.3)	0.13 (3.38)	1,638 (7.3)
60 (1,524)	713 (3.2)	2.56 (65.09)	46 (0.2)	0.17 (4.25)	1,048 (4.7)
72 (1,829)	595 (2.6)	3.69 (93.72)	32 (0.1)	0.20 (5.09)	728 (3.2)

1 5/8" x 3 1/4" (41mm x 83mm) Back-to-Back Channel Beam and Column Loads

Span	Maximum Uniform Beam Load		Uniform Load at Deflection Span /360		Maximum Column Load
	Load	Deflection	Load	Deflection	
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	In (mm)	Lbs (kN)
12 (305)	5,565 (24.8)	0.03 (0.71)	5,565 (24.8)	0.03 (0.84)	9,463 (42.1)
18 (457)	3,710 (16.5)	0.06 (1.63)	2,917 (13.0)	0.05 (1.27)	8,875 (39.5)
24 (610)	2,783 (12.4)	0.11 (2.87)	1,641 (7.3)	0.07 (1.70)	8,189 (36.4)
30 (762)	2,226 (9.9)	0.18 (4.50)	1,050 (4.7)	0.08 (2.11)	7,412 (33.0)
36 (914)	1,855 (8.3)	0.25 (6.46)	731 (3.3)	0.1 (2.54)	6,457 (28.7)
48 (1,219)	1,391 (6.2)	0.45 (11.49)	410 (1.8)	0.13 (3.38)	4,539 (20.2)
60 (1,524)	1,113 (5.0)	0.71 (17.98)	262 (1.2)	0.17 (4.25)	2,905 (12.9)
72 (1,829)	928 (4.1)	1.02 (25.88)	182 (0.8)	0.2 (5.09)	2,017 (9.0)

Published design loads are based on usage at 70°F. (21°C)  
 All beams should be supported in a manner that prevents rotation at supports.  
 Long, deep beams should be tied between supports to prevent twist  
**For concentrated loads:** Reduce allowable loads by 50% and reduce deflections by 25%.

**\*Maximum loads** are based on full lateral support of the channel, rotation prevention at the support points and the design safety factor of 3:1

**\*\*Load exceeds** maximum allowable stress for 3:1 safety factor.

**\*\*\*For Beam Spans** over 36" with loads approaching these maximum design limits, please contact the manufacturer's technical representative to confirm support configuration and lateral stability.

**Column Loads:**

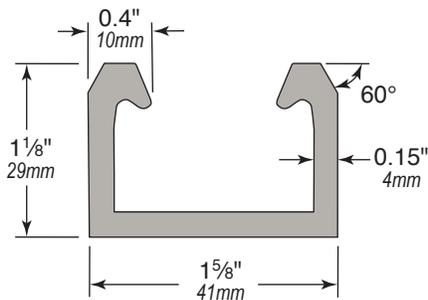
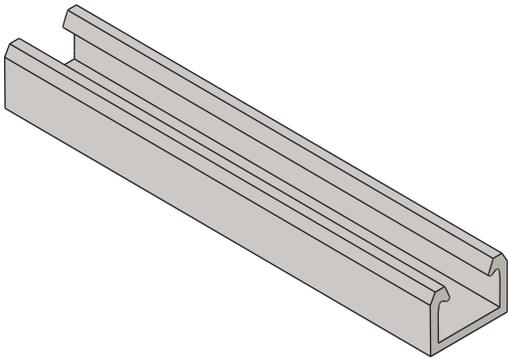
Table lists the total allowable concentric axial load for various unsupported column heights based on a minimum safety factor of 3:1. Eccentric loads should be reduced according to standard practice. \*\*\*With column top and bottom pin connected n=1 and loads in table may increase by 3x.



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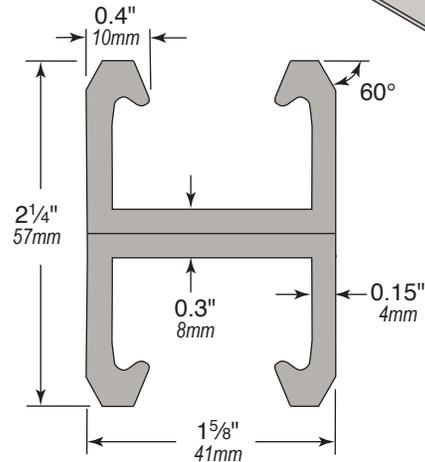
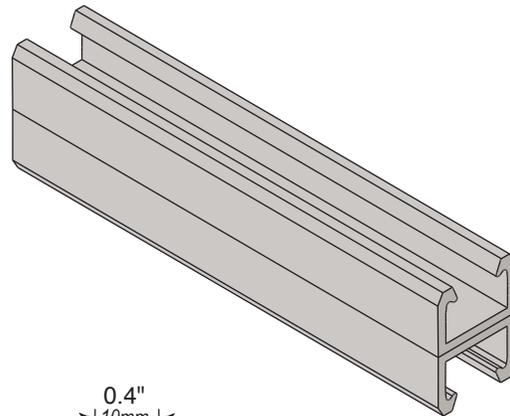
Standard: Polyester (PF) or Vinyl Ester (VF)

## W800PF 1-5/8" x 1-1/8" Solid Channel



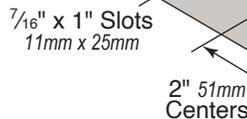
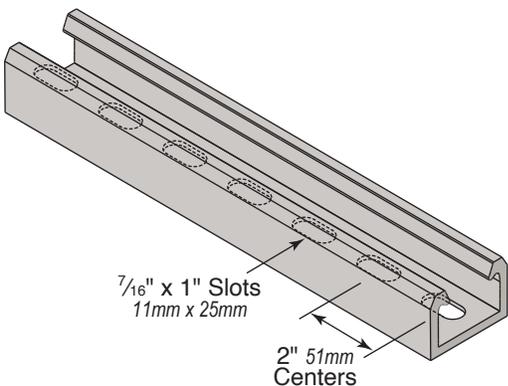
Part No.	Material
W800PF	Polyester Fire Rated Fiberglass
W800VF	Vinyl Ester Fire Rated Fiberglass

## W801PF 1-5/8" x 2-1/4" Solid Back-to-Back Channel



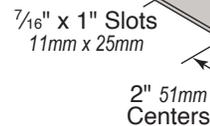
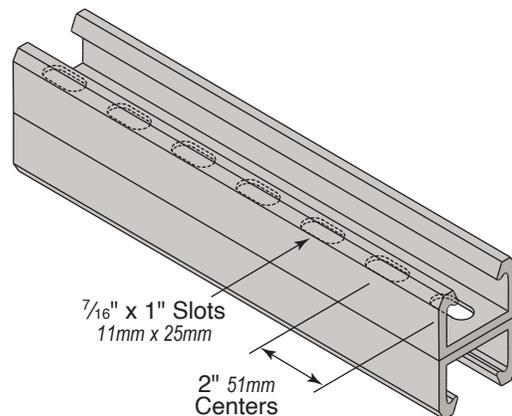
Part No.	Material
W801PF	Polyester Fire Rated Fiberglass
W801VF	Vinyl Ester Fire Rated Fiberglass

## W800EHPF 1-5/8" x 1-1/8" Channel with Short Slots



Part No.	Material
W800EHPF	Polyester Fire Rated Fiberglass
W800EHVF	Vinyl Ester Fire Rated Fiberglass

## W801EHPF 1-5/8" x 2-1/4" Back-to-Back Channel with Short Slots



Part No.	Material
W801EHPF	Polyester Fire Rated Fiberglass
W801EHVF	Vinyl Ester Fire Rated Fiberglass



Channel Load Data

Elements of Sections

Part No.	Wt./Ft. Lbs. (Kg/M)	Area of Section Sq. in. (Sq. cm)	X-X Axis			Y-Y Axis		
			Ix in. <sup>4</sup> (Ix cm <sup>4</sup> )	Sx in. <sup>3</sup> (Sx cm <sup>3</sup> )	cx. in. (cx. cm)	Iy in. <sup>4</sup> (Iy cm <sup>4</sup> )	Sy in. <sup>3</sup> (Sy cm <sup>3</sup> )	cy in. (cy cm)
<b>1-5/8" x 1-1/8" (41mm x 29mm) Channel</b>								
W800PF	0.47 (0.21)	0.61 (3.94)	0.10 (4.16)	0.40 (6.56)	0.51 (1.30)	0.22 (9.16)	0.60 (9.83)	0.75 (1.91)
<b>1-5/8" x 2-1/4" (41mm x 57mm) Back to Back Channel</b>								
W801PF	0.94 (1.61)	1.22 (7.87)	0.42 (17.48)	0.59 (9.67)	1.13 (2.87)	0.44 (18.31)	0.60 (9.83)	0.75 (1.91)

Ultimate Design Flexural: 40,000 psi (longitudinal)  
 Modulus of elasticity=E= 3,000,000 psi (longitudinal)  
 Minimum Safety Factor= 3:1

1 5/8" x 1 1/8" (41mm x 29mm) Channel Beam and Column Loads

Span	Maximum Uniform Beam Load		Uniform Load at Deflection Span /360		Maximum Column Load
	Load	Deflection	Load	Deflection	
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	In (mm)	Lbs (kN)
12 (305)	1,710 (7.6)	0.16 (4.03)	377 (1.7)	0.03 (0.88)	2,897 (12.9)
18 (457)	1,140 (5.1)	0.36 (9.07)	168 (0.7)	0.05 (1.33)	2,469 (11.0)
24 (610)	856 (3.8)	0.64 (16.14)	95 (0.4)	0.07 (1.79)	1,955 (8.7)
30 (762)	685 (3.0)	0.99 (25.20)	60 (0.3)	0.09 (2.21)	1,363 (6.1)
36 (914)	570 (2.5)	1.43 (36.27)	42 (0.2)	0.11 (2.67)	946 (4.2)
48 (1,219)	427 (1.9)	2.54 (64.49)	23 (0.1)	0.14 (3.55)	532 (2.4)
60 (1,524)	342 (1.5)	3.97 (100.79)	15 (0.1)	0.18 (4.45)	340 (1.5)
72 (1,829)	286 (1.3)	5.71 (145.11)	11 (0.05)	0.21 (5.33)	236 (1.1)

1 5/8" x 2 1/4" (41mm x 57mm) Back-to-Back Channel Beam and Column Loads

Span	Maximum Uniform Beam Load		Uniform Load at Deflection Span /360		Maximum Column Load
	Load	Deflection	Load	Deflection	
In (mm)	Lbs (kN)	In (mm)	Lbs (kN)	In (mm)	Lbs (kN)
12 (305)	3,994 (17.8)	0.09 (2.19)	1,634 (7.3)	0.03 (0.88)	6,259 (27.8)
18 (457)	2,663 (11.8)	0.19 (4.88)	726 (3.2)	0.05 (1.33)	5,784 (25.7)
24 (610)	1,997 (8.9)	0.34 (8.69)	408 (1.8)	0.07 (1.79)	5,228 (23.3)
30 (762)	1,598 (7.1)	0.53 (13.58)	261 (1.2)	0.09 (2.21)	4,594 (20.4)
36 (914)	1,331 (5.9)	0.77 (19.58)	182 (0.8)	0.11 (2.67)	3,883 (17.3)
48 (1,219)	999 (4.4)	1.37 (34.78)	102 (0.5)	0.14 (3.55)	2,367 (10.5)
60 (1,524)	799 (3.6)	2.14 (54.35)	65 (0.3)	0.18 (4.45)	1,514 (6.7)
72 (1,829)	666 (3.0)	3.08 (78.28)	45 (0.2)	0.21 (5.33)	1,051 (4.7)

Published design loads are based on usage at 70°F. (21°C)  
 All beams should be supported in a manner that prevents rotation at supports.  
 Long, deep beams should be tied between supports to prevent twist  
**For concentrated loads:** Reduce allowable loads by 50% and reduce deflections by 25%.

**\*Maximum loads** are based on full lateral support of the channel, rotation prevention at the support points and the design safety factor of 3:1

**\*\*Load exceeds** maximum allowable stress for 3:1 safety factor.

**\*\*\*For Beam Spans** over 36" with loads approaching these maximum design limits, please contact the manufacturer's technical representative to confirm support configuration and lateral stability.

**Column Loads:**

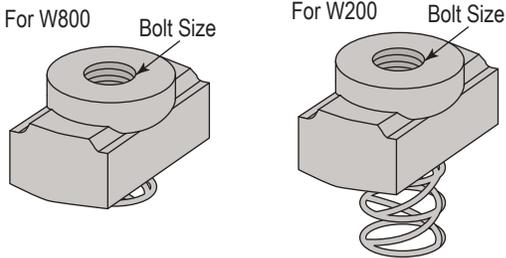
Table lists the total allowable concentric axial load for various unsupported column heights based on a minimum safety factor of 3:1. Eccentric loads should be reduced according to standard practice. \*\*\*With column top and bottom pin connected n=1 and loads in table may increase by 3x.



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## Channel Nuts

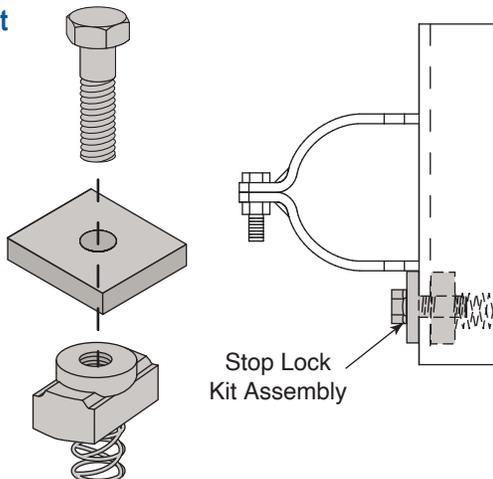
- Spring channel nuts primary use is to attach fittings to the open face of channels
- Nut is molded with integral spring
- Spring nut can be installed at any location from the open side of the channel
- Highly Corrosion Resistant.
- Standard Material is Delrin



Part No.	Bolt Size	Spring	For Use With Channel Size
W5-4FG	1/4" (6mm)	Short Spring	W800 Series 1-5/8" x 1-1/8" (41mm x 29mm)
W5-6FG	3/8" (10mm)		
W5-8FG	1/2" (13mm)		
W2-4FG	1/4" (6mm)	Standard Spring	W200 Series 1-5/8" x 1-5/8" (41mm x 41mm)
W2-6FG	3/8" (10mm)		
W2-8FG	1/2" (13mm)		

Note: Standard quantity 25 each

## Stop-Lock Kit

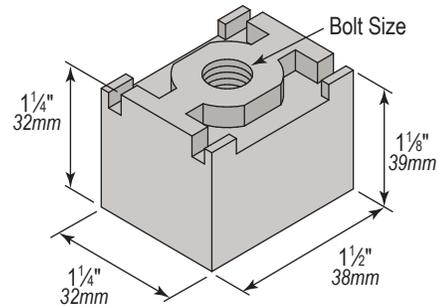


Part No.	Size	Kit Contains
SLK-375	3/8" (10mm)	W2-6FG, W5053PU, & 37X125HHCSPU
SLK-500	1/2" (13mm)	W2-8FG, W5054PU, & 50X125HHCSPU

Note: Standard quantity 25 each

## Channel Nuts

- Channel Nuts can be used for attaching fittings to the open or back side of channel
- Nuts are also used to "double nut" threaded rod to channels
- Channel Nuts will not rotate in the channel
- Channel Nut can only be installed by sliding the nut into position from the end of the channel
- Material is Polyurethane (PU)

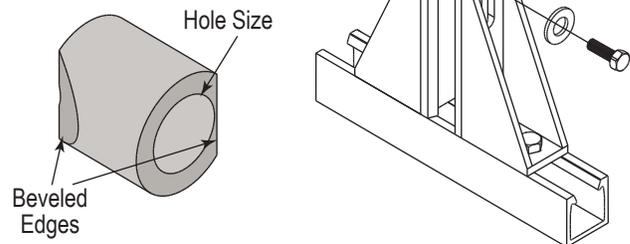


Part No.		Bolt Size	For Use With Channel Size
Polyurethane Gray (PU)	Nylon Black (NY)		
W2-6WSPU	W2-6WSNY	3/8" (10mm)	W200 Series 1-5/8" x 1-5/8" (41mm x 41mm)
W2-8WSPU	W2-8WSNY	1/2" (13mm)	
W2-10WSPU	W2-10WSNY	5/8" (16mm)	
W2-12WSPU	W2-12WSNY	3/4" (19mm)	

Note: Standard quantity 25 each

## Channel Space

When attaching fittings to side walls of channels, through bolting requires a channel spacer to prevent wall compression under heavy load conditions. Spacer is beveled on opposite sides for easy rotation into channel



Part No.	Hole Size
SPA037PVC	3/8" (10mm)
SPA050PVC	1/2" (13mm)

Note: Standard quantity 25 each

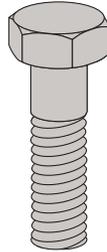


- Standard fasteners are used with Wesanco channel fittings and fiberglass structural shapes in the fabrication of pipe support systems
- Standard fasteners are available in two corrosion resistant grades:
  - Glass filled Polyurethane
  - 316 Stainless Steel

## Notes

- Inquire about additional Polyurethane Bolt sizes
- Polyurethane physical properties are affected at elevated temperatures. Physical properties will decrease by 50% at 150°F (66°C)

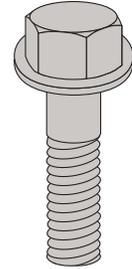
## Spring Nut Hex Bolts



Part No.		Bolt Size
Polyurethane Gray (PU)	Stainless Steel Type 316 (S6)	
HHCS25X075PU	HHCS25X075S6	¼" x ¾" (6 x 19mm)
HHCS25X100PU *	HHCS25X100S6 *	¼" x 1" (6 x 25mm)
HHCS25X125PU	HHCS25X125S6	¼" x 1-¼" (6 x 32mm)
HHCS31X125PU	HHCS31X125S6	⅝" x 1-¼" (8 x 32mm)
HHCS31X200PU	HHCS31X200S6	⅝" x 2" (8 x 51mm)
HHCS37X100PU *	HHCS37X100S6 *	⅜" x 1" (10 x 25mm)
HHCS37X125PU	HHCS37X125S6	⅜" x 1-¼" (10 x 32mm)
HHCS37X150PU	HHCS37X150S6	⅜" x 1-½" (10 x 38mm)
HHCS37X200PU	HHCS37X200S6	⅜" x 2" (10 x 51mm)
HHCS37X250PU	HHCS37X250S6	⅜" x 2-½" (10 x 64mm)
HHCS37X300PU	HHCS37X300S6	⅜" x 3" (10 x 76mm)
HHCS50X100PU *	HHCS50X100S6 *	½" x 1" (13 x 25mm)
HHCS50X125PU	HHCS50X125S6	½" x 1-¼" (13 x 32mm)
HHCS50X150PU	HHCS50X150S6	½" x 1-½" (13 x 38mm)
HHCS50X200PU	HHCS50X200S6	½" x 2" (13 x 51mm)
HHCS50X250PU	HHCS50X250S6	½" x 2-½" (13 x 64mm)
HHCS50X300PU	HHCS50X300S6	½" x 3" (13 x 76mm)
HHCS75X200PU	HHCS75X200S6	¾" x 2" (19 x 51mm)

\* For use with W800 1-⅝" x 1-⅛" Channel and spring nuts attachments.  
Note: Standard quantity 25 each

## Flanged Hex Bolts

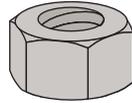


Part No. Polyurethane Gray (PU)	Bolt Size
HHFB25X075PU	¼" x ¾" (6 x 19mm)
HHFB25X100PU *	¼" x 1" (6 x 25mm)
HHFB25X125PU	¼" x 1-¼" (6 x 32mm)
HHFB25X150PU	¼" x 1-½" (6 x 38mm)
HHFB31X150PU	⅝" x 1-½" (8 x 32mm)
HHFB37X100PU *	⅜" x 1" (10 x 25mm)
HHFB37X125PU	⅜" x 1-¼" (10 x 32mm)
HHFB37X150PU	⅜" x 1-½" (10 x 38mm)
HHFB37X200PU	⅜" x 2" (10 x 51mm)
HHFB37X250PU	⅜" x 2-½" (10 x 64mm)
HHFB37X300PU	⅜" x 3" (10 x 76mm)
HHFB50X100PU *	½" x 1" (13 x 25mm)
HHFB50X125PU	½" x 1-¼" (13 x 32mm)
HHFB50X150PU	½" x 1-½" (13 x 38mm)
HHFB50X200PU	½" x 2" (13 x 51mm)
HHFB50X250PU	½" x 2-½" (13 x 64mm)
HHFB50X300PU	½" x 3" (13 x 76mm)
HHFB50X350PU	½" x 3-½" (13 x 89mm)

\* For use with W800 1-⅝" x 1-⅛" Channel and spring nuts attachments.  
Note: Standard quantity 25 each  
Other sizes available upon request  
Flanged bolts not available in Stainless Steel



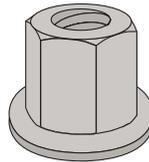
## Standard Duty Polyurethane Nuts



Part No.		Hex Nut Size
Polyurethane Gray (PU)	Stainless Steel Type 316 (S6)	
HN25PU	HN25S6	1/4" (6mm)
HN31PU	HN31S6	5/16" (8mm)
HN37PU	HN37S6	3/8" (10mm)
HN50PU	HN50S6	1/2" (13mm)
HN62PU	HN62S6	5/8" (16mm)
HN75PU	HN75S6	3/4" (19mm)

Note: Standard quantity 25 each

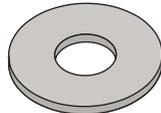
## Heavy Duty Flanged Hex Nuts



Part No. Polyurethane Gray (PU)	Heavy Duty Nut Size
FHN31PU	5/16" (8mm)
FHN37PU	3/8" (10mm)
FHN50PU	1/2" (13mm)
FHN62PU	5/8" (16mm)
FHN75PU	3/4" (19mm)
FHN100PU	1" (25mm)

Note: Standard quantity 25 each

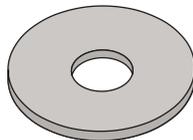
## Washers



Part No. Polyurethane Gray (PU)	Washer Size
FW25PU	1/4" (6mm)
FW37PU	3/8" (10mm)
FW50PU	1/2" (13mm)
FW62PU	5/8" (16mm)
FW75PU	3/4" (19mm)
FW100PU	1" (25mm)

Note: Standard quantity 25 each

## Fender Washers

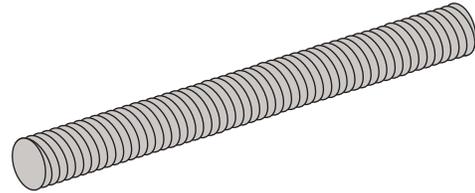


Part No. Polyurethane Gray (PU)	Washer Size
FWPU75X225	3/4" (19mm)

Note: Standard quantity 25 each

## Threaded Rod

- Wesanco offers all thread rod in two materials, Vinyl Ester Fiberglass and 316 Stainless Steel
- Fiberglass threaded rod is stocked in 8' lengths. Cut to length sizes available
- Stainless Steel is available in 3', 4', 6' & 12' foot (0.9m, 1.2m, 1.8m, 3.6m) length

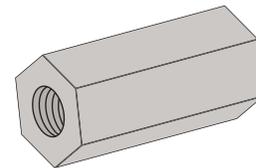


Part No.		Threaded Rod Size	Thread Shear for Vinyl Ester (VE)
Vinyl Ester (VE) 8 Foot (2.4m)	Stainless Steel Type 316 (STS6) 12 Foot (3.7m)		
W7125VE8FT	W7125STS612FT	3/8" (10mm)	415 lb (1.85kN)
W7126VE8FT	W7126STS612FT	1/2" (13mm)	570 lb (2.54kN)
W7127VE8FT	W7127STS612FT	5/8" (16mm)	1,260 lb (5.60kN)
W7128VE8FT	W7128STS612FT	3/4" (19mm)	1,700 lb (7.56kN)
W7131VE8FT	W7131STS612FT	1" (25mm)	3,000 lb (13.35kN)

Note: Standard quantity 25 each  
Thread shear values represent a 3:1 safety factor.

## Threaded Rod Couplers

- Wesanco offers rod couplers in two materials, Polyurethane, and 316 Stainless Steel
- Couplers provide a simple way to connect threaded rod



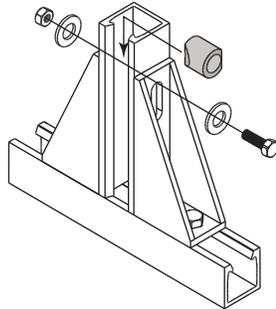
Part No.		Threaded Rod Coupler Size	Thread Shear for Polyurethane (PU)
Polyurethane Gray (PU)	Stainless Steel Type 316 (S6)		
W7135PU	W7135S6	3/8" (10mm)	800 lb (3.56kN)
W7136PU	W7136S6	1/2" (13mm)	870 lb (3.87kN)
W7137PU	W7137S6	5/8" (16mm)	1,500 lb (6.67kN)
W7138PU	W7138S6	3/4" (19mm)	1,500 lb (6.67kN)

Note: Standard quantity 25 each  
Thread shear values represent a 3:1 safety factor.

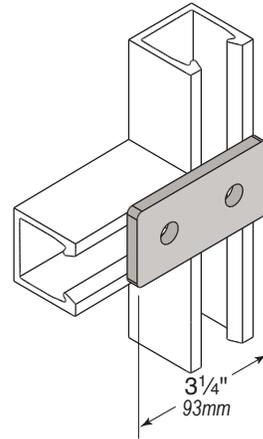


## Flat Plate Fittings

- Industry standard channel fittings for fabricating structures with Wesanco channel
- Fittings can be attached with channel nuts or through bolted to strut back of side walls
- No Special Tools Required
- Highly Corrosion Resistant. See Chemical Resistant Guide on pages 296 - 298
- Standard fitting material is either:
  - Polyester (PF) FRP Gray
  - Vinyl Ester (VF) FRP Beige
  - Injection Molded Thermoplastics
  - Polyurethane (PU)
  - Polyester (PE);
- NOTES: When attaching fittings to side walls of channels, through bolting requires a channel spacer to prevent wall compression under heavy load conditions. Order part # SPA037PVC for  $\frac{3}{8}$ " (10mm) bolts and part # SPA050PVC for  $\frac{1}{2}$ " (13mm) bolts.

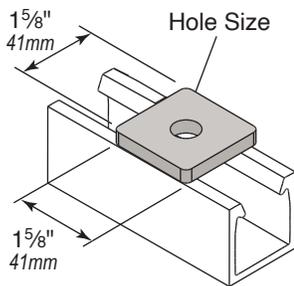


## Two Hole Splice



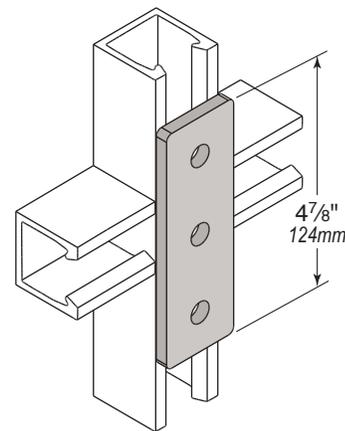
Part No.	Material
W5007PF	Polyester Fire Rated FRP Gray
W5007VF	Vinyl Ester Fire Rated FRP Beige

## One Hole Washer



Part No.		Bolt Size
Polyester Fire Rated FRP Gray (PF)	Vinyl Ester Fire Rated FRP Beige (VF)	
W5053PF	W5053VF	$\frac{3}{8}$ " (10mm)
W5054PF	W5054VF	$\frac{1}{2}$ " (13mm)
W5055PF	W5055VF	$\frac{5}{8}$ " (16mm)
W5056PF	W5056VF	$\frac{3}{4}$ " (19mm)

## Three Hole Splice

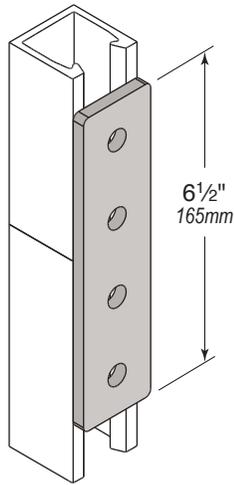


Part No.	Material
W5008PF	Polyester Fire Rated FRP Gray
W5008VF	Vinyl Ester Fire Rated FRP Beige

Hole Diameter:  $\frac{7}{16}$ " (11mm); Hole Spacing - From End:  $1\frac{3}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{7}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)

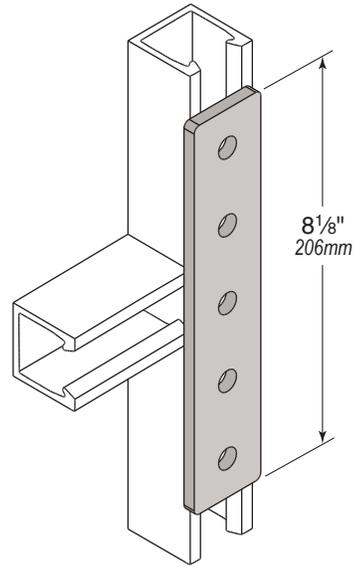


## Four Hole Splice



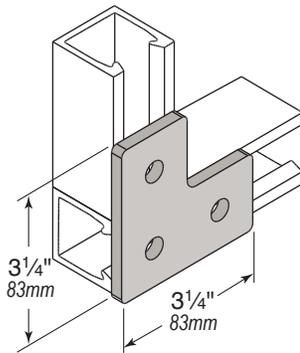
Part No.	Material
<a href="#">W5009PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5009VF</a>	Vinyl Ester Fire Rated FRP Beige

## Five Hole Splice



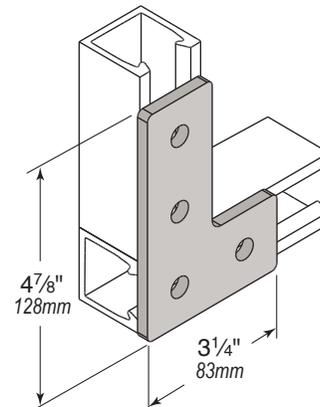
Part No.	Material
<a href="#">W5010PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5010VF</a>	Vinyl Ester Fire Rated FRP Beige

## Three Hole Corner



Part No.	Material
<a href="#">W5021PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5021VF</a>	Vinyl Ester Fire Rated FRP Beige

## Four Hole Corner

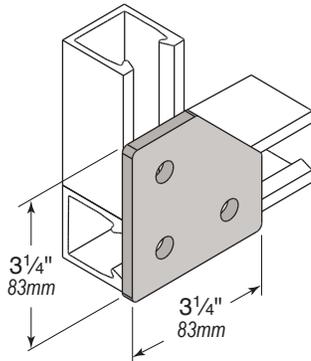


Part No.	Material
<a href="#">W5025PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5025VF</a>	Vinyl Ester Fire Rated FRP Beige

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

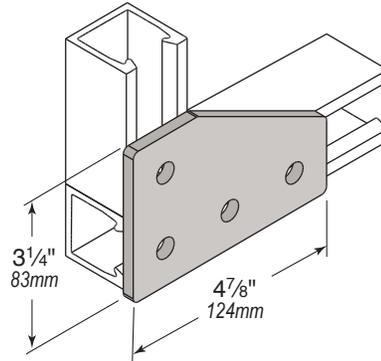


## Three Hole Corner Gusset



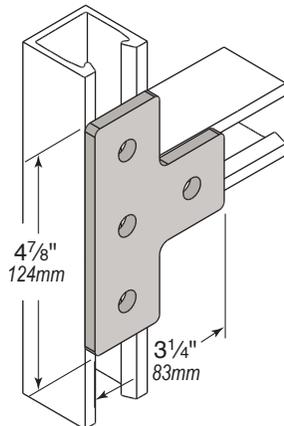
Part No.	Material
<a href="#">W5020PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5020VF</a>	Vinyl Ester Fire Rated FRP Beige

## Four Hole Corner Gusset



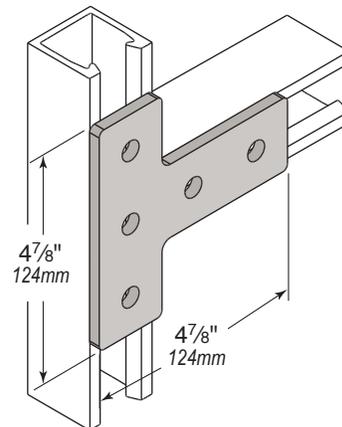
Part No.	Material
<a href="#">W5024PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5024VF</a>	Vinyl Ester Fire Rated FRP Beige

## Four Hole Tee



Part No.	Material
<a href="#">W5022PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5022VF</a>	Vinyl Ester Fire Rated FRP Beige

## Five Hole Tee

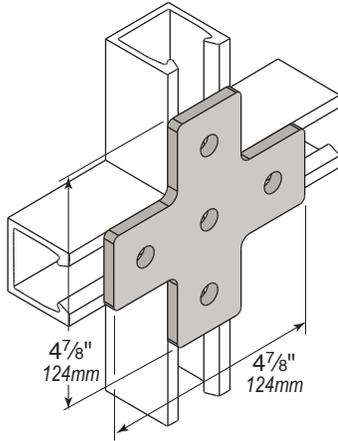


Part No.	Material
<a href="#">W5022MPF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5022MVF</a>	Vinyl Ester Fire Rated FRP Beige

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

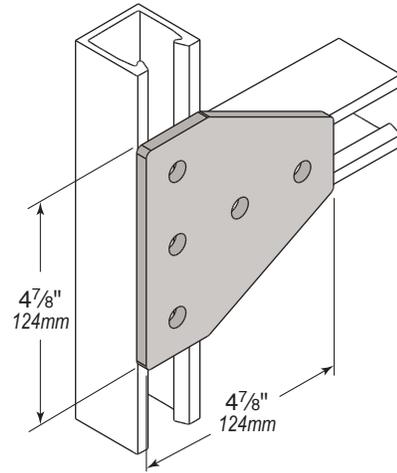


## Five Hole Cross



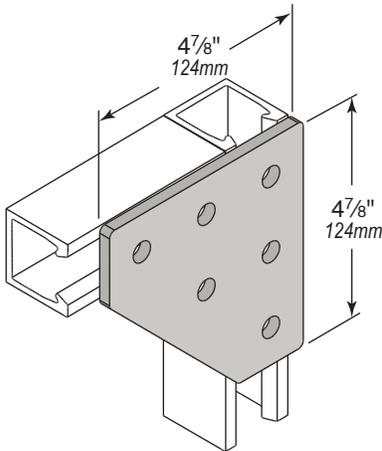
Part No.	Material
<a href="#">W5023PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5023VF</a>	Vinyl Ester Fire Rated FRP Beige

## Five Hole Tee Gusset



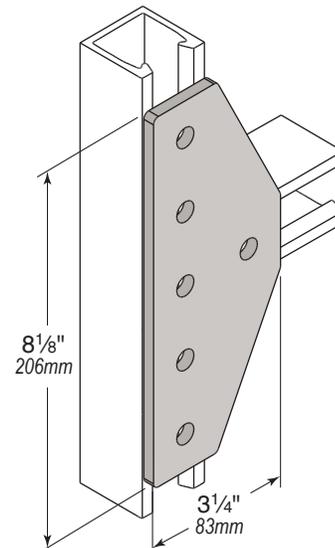
Part No.	Material
<a href="#">W5027PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5027VF</a>	Vinyl Ester Fire Rated FRP Beige

## Five Hole Corner Gusset



Part No.	Material
<a href="#">W5028PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5028VF</a>	Vinyl Ester Fire Rated FRP Beige

## Six Hole Tee Gusset

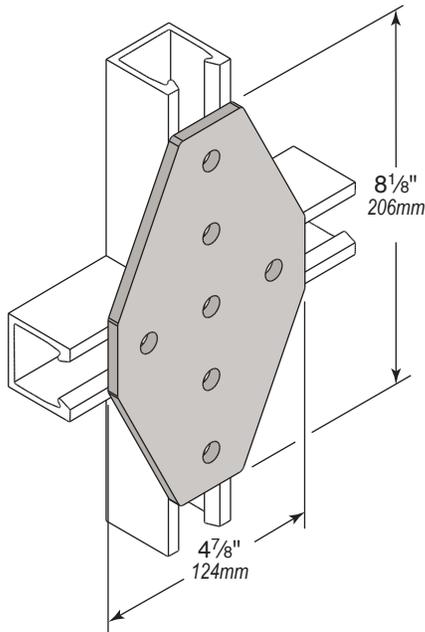


Part No.	Material
<a href="#">W5032PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5032VF</a>	Vinyl Ester Fire Rated FRP Beige

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)

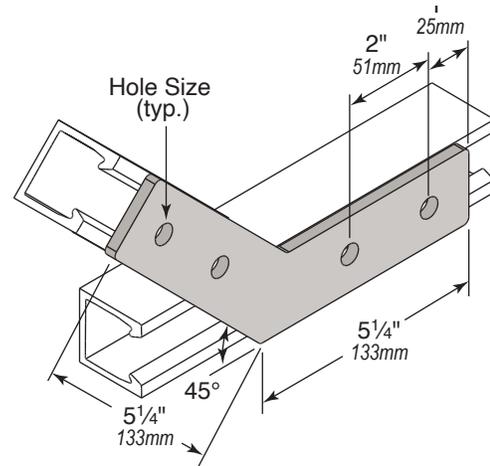


## Seven Hole Cross Gusset



Part No.	Material
<a href="#">W5029PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5029VF</a>	Vinyl Ester Fire Rated FRP Beige

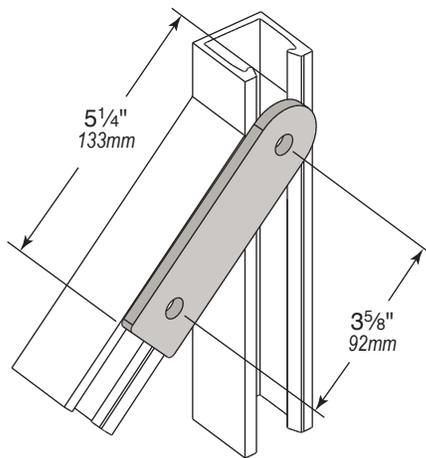
## Four Hole 45° Angle



Part No.	Hole Size *	Material
<a href="#">W5035PF-375</a>	7/16" (11mm)	Polyester Fire Rated FRP Gray
<a href="#">W5035VF-375</a>	7/16" (11mm)	Vinyl Ester Fire Rated FRP Beige
<a href="#">W5035PF-500</a>	9/16" (14mm)	Polyester Fire Rated FRP Gray
<a href="#">W5035VF-500</a>	9/16" (14mm)	Vinyl Ester Fire Rated FRP Beige

\* 5/8" and 3/4" Available on request

## Two Hole Swivel Plate



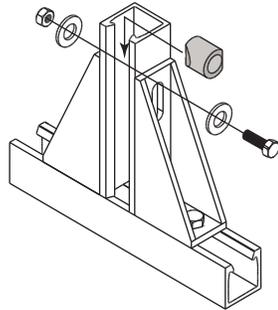
Part No.	Material
<a href="#">W5011PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5011VF</a>	Vinyl Ester Fire Rated FRP Beige

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)

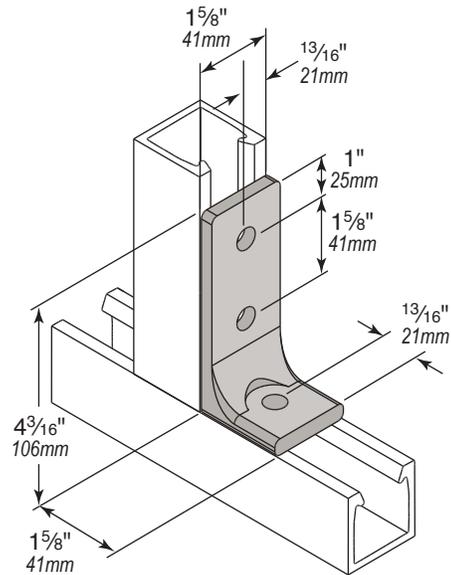


## Angle Fittings

- Industry standard angle fittings for fabricating structures with Wesanco channel
- Fittings can be attached using either SS or PU bolts with Wesanco Channel or Spring Nuts or through bolting to strut back or side walls
- Highly Corrosion Resistant. See Chemical Resistant Chart on pages 296 - 298
- Standard fitting material is either:
  - Polyester (PF) FRP Gray
  - Vinyl Ester (VF) FRP Beige
  - Injection Molded Thermoplastics
  - Polyurethane (PU)
  - Polyester (PE);
- Note: When attaching fittings to side walls of channels, through bolting requires a channel spacer to prevent wall compression under heavy load conditions. Order part # SPA037PVC for  $\frac{3}{8}$ " (10mm) bolts and part # SPA050PVC for  $\frac{1}{2}$ " (13mm) bolts.

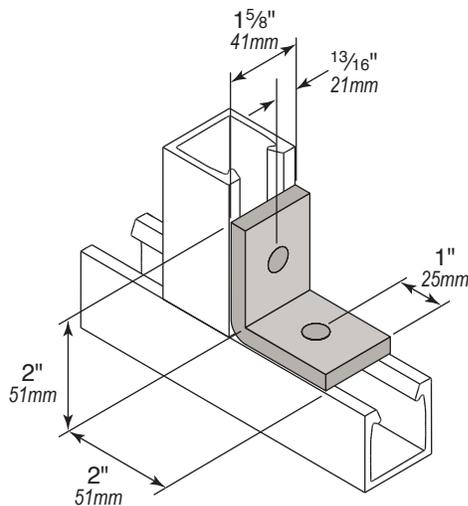


## Three Hole 90° Angle



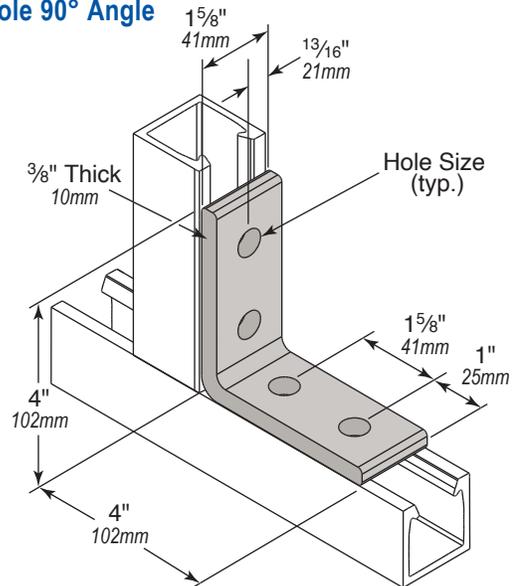
Part No.	Material
<b>W5113PF</b>	Polyester Fire Rated FRP Gray
<b>W5113VF</b>	Vinyl Ester Fire Rated FRP Beige

## Two Hole 90° Angle



Part No.	Material
<b>W5103PF</b>	Polyester Fire Rated FRP Gray
<b>W5103VF</b>	Vinyl Ester Fire Rated FRP Beige

## Four Hole 90° Angle



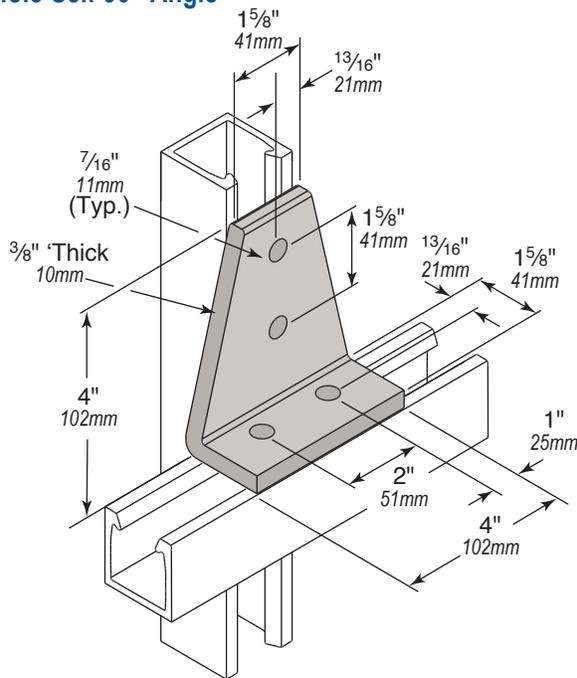
Part No.	Hole Size *	Material
<b>W5125MPF</b>	$\frac{7}{16}$ " (11mm)	Polyester Fire Rated FRP Gray
<b>W5125MVF</b>	$\frac{7}{16}$ " (11mm)	Vinyl Ester Fire Rated FRP Beige
<b>W5125PF</b>	$\frac{9}{16}$ " (14mm)	Polyester Fire Rated FRP Gray
<b>W5125VF</b>	$\frac{9}{16}$ " (14mm)	Vinyl Ester Fire Rated FRP Beige

\*  $\frac{5}{8}$ " and  $\frac{3}{4}$ " Available on request

Hole Diameter:  $\frac{7}{16}$ " (11mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{1}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)

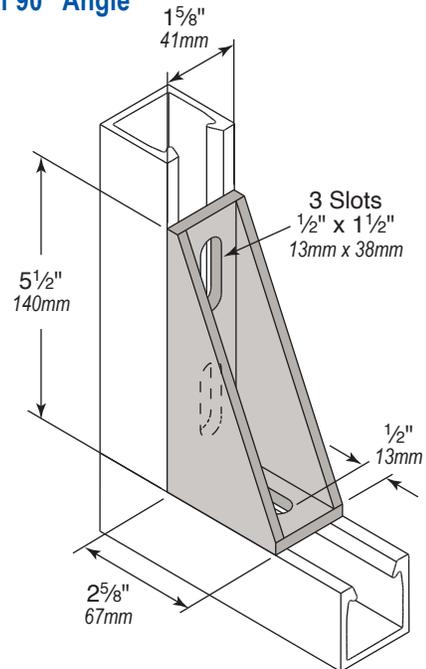


## Four Hole Self 90° Angle



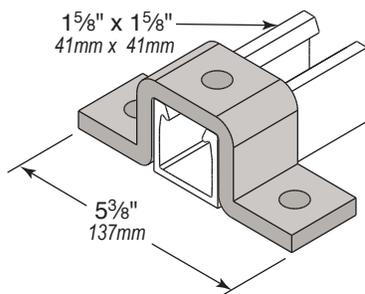
Part No.	Material
<a href="#">W5109PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5109VF</a>	Vinyl Ester Fire Rated FRP Beige

## Universal 90° Angle



Part No.	Material
<a href="#">W5124PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5124PU</a>	Polyurethane Gray (PU)

## Three Hole "U" Shape Support



Part No.	Material
<a href="#">W5312PF</a>	Polyester Fire Rated FRP Gray
<a href="#">W5312PU</a>	Polyurethane Gray (PU)

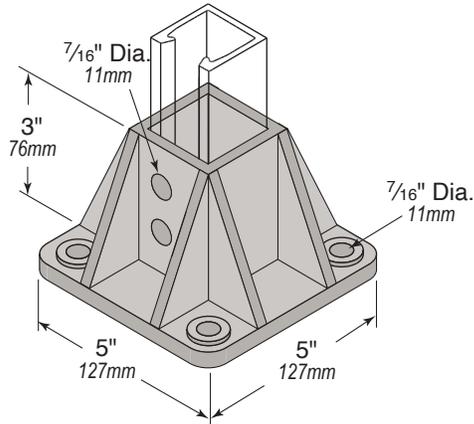
Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



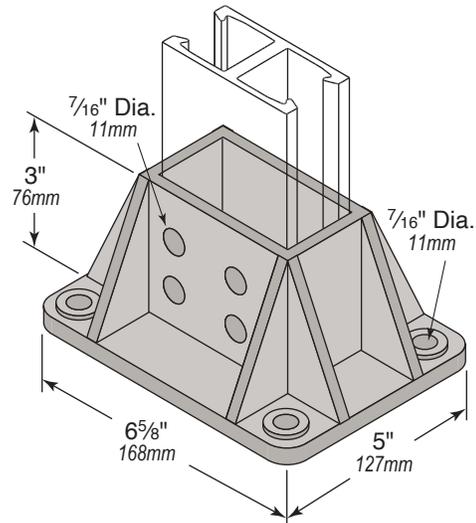
## Post Bases

- Wesanco Post Bases can be attached with channel nuts or through bolted to strut back or side walls
- Highly Corrosion Resistant. See Chemical Resistant Guide on pages 296 - 298
- Standard fitting material is either Injection molded Polyester PE (Black) or Polyurethane PU (Gray)

### Single Post Base

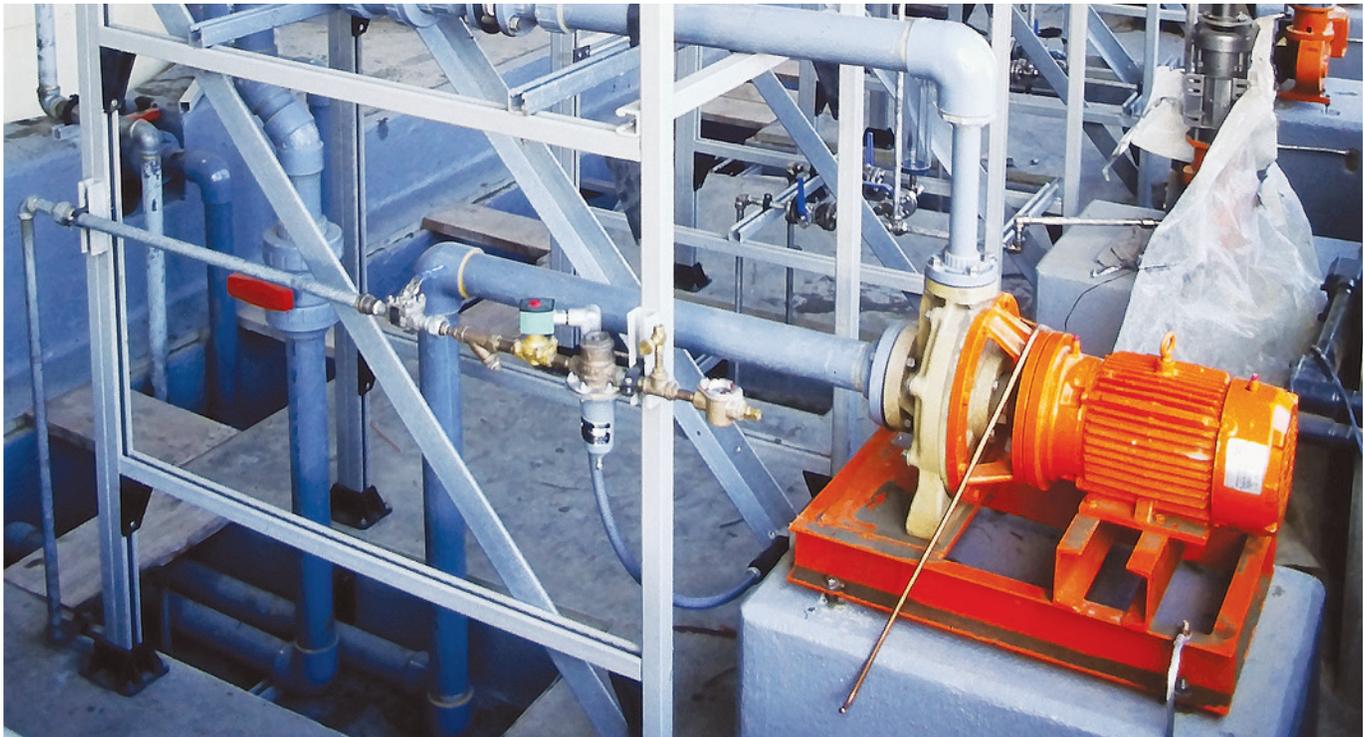


### Double Post Base



Part No.	Material
<b>W5814SQPE</b>	Polyester Black (PE)
<b>W5814SQPU</b>	Polyurethane Gray (PU)

Part No.	Material
<b>W5816SQPE</b>	Polyester Black (PE)
<b>W5816SQPU</b>	Polyurethane Gray (PU)



Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 1 3/16" (21mm); Hole Spacing - On Center: 1 7/8" (48mm); Width: 1 5/8" (41mm); Thickness: 1/4" (6mm)



## Beam Clips

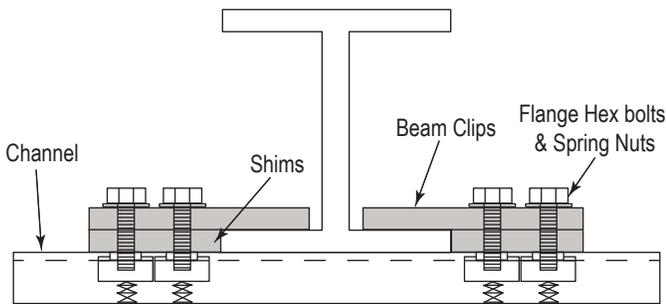
- Wesanco Beam Clips provide a secure method for attaching strut channel and or trapeze configurations to various size beams
- Fastener  $\frac{1}{2}$ " x 2" (13 x 51mm) Flange Bolt Polyurethane (PU)
- Connection to channel is with Spring Nuts
- Beam Clips and Shims are Vinyl Ester Fiberglass

## Beam Clips

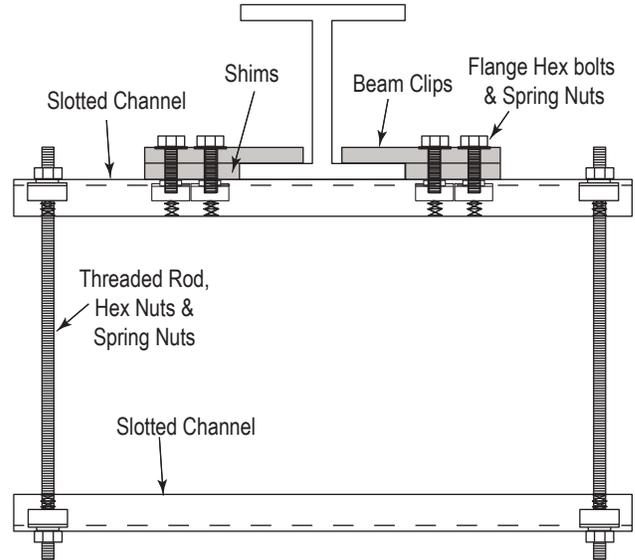
Each Assembly Includes:

- 2 each -  $\frac{1}{2}$ " x  $5\frac{3}{8}$ " (13 x 137mm) Beam Clips
- 4 each -  $\frac{1}{2}$ " x 2" (13 x 51mm) Flange Bolt Polyurethane (PU)
- 4 each -  $\frac{1}{2}$ " (13mm) Standard Spring Nuts
- (Also needed, but sold separately are various thicknesses of Shims. Providing adjustment depending on the thickness of your beam flange).

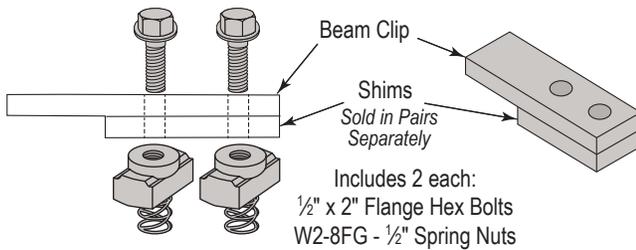
## General Beam Clip Application



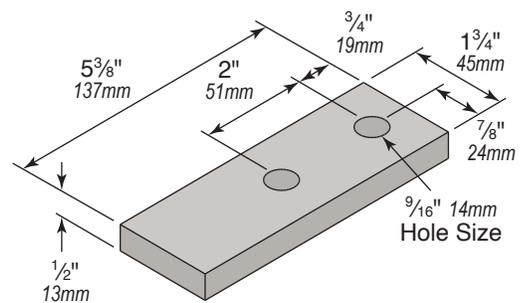
## Trapeze Application Using Beam Clips



## Standard Beam Clip Assembly - Sold in Pairs



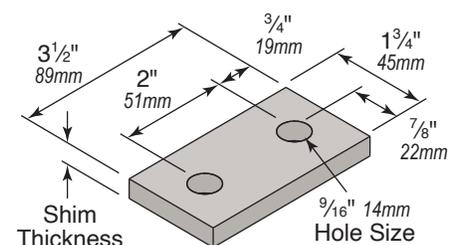
## Beam Clip Dimensions



Part No.	Beam Clip Assembly Description	Beam Clip Thickness	Load Rating
BC500VFP-2	$\frac{1}{2}$ " (13mm) Beam Clip Assemblies, Beam Clips & $\frac{1}{2}$ " (13mm) thick Shims (2 of each included)	$\frac{1}{2}$ " (13mm)	250 lb (1.1kN)
	W2-8FG - $\frac{1}{2}$ " (13mm) Standard Spring Nuts (4 included)		
	HHFB50X200PU - $\frac{1}{2}$ " x 2" (13 x 51mm) Flange Bolts (4 included)		

## Beam Clip Shims

Part No.	Shim Description	Thickness
BCS250VF-2	$\frac{1}{4}$ " (6mm) Flange Beam Clip Shims Vinyl Ester (2 each)	$\frac{1}{4}$ " (6mm)
BCS375VF-2	$\frac{3}{8}$ " (10mm) Flange Beam Clip Shims Vinyl Ester (2 each)	$\frac{3}{8}$ " (10mm)
BCS500VF-2	$\frac{1}{2}$ " (13mm) Flange Beam Clip Shims Vinyl Ester (2 each)	$\frac{1}{2}$ " (13mm)



Hole Diameter:  $\frac{7}{16}$ " (11mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{7}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



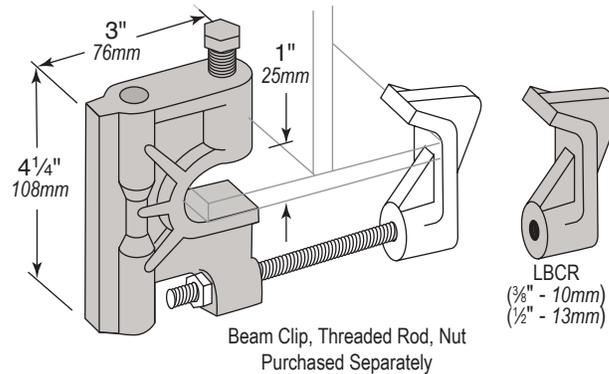
## Beam Clamps

- Wesanco Beam Clamps provide a simple and secure method for attaching strut channel and or trapeze configurations to various size of beams
- Beam Clamps are offered in two sizes, Large or Small
- Beam Clamps come with either  $\frac{3}{8}$ " or  $\frac{1}{2}$ " (10mm or 13mm) thread for threaded rod, sold separately
- Material of construction is Glass Filled Polyurethane

## Beam Clamp Order Information

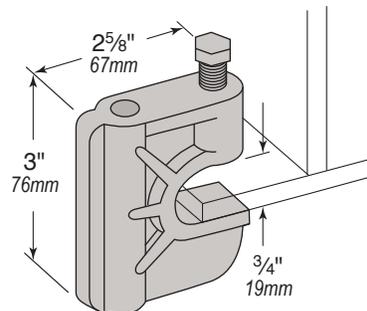
- Included with each Beam Clamp is a SS bolt to secure clamp to beam
- See threaded rod section for your application requirements, sold separately

## Large Beam Clamp



Part No.	Description	Load Rating
LBC375PU	Large Beam Clamp for $\frac{3}{8}$ " -16 Rod	600 lb (2.7kN)
LBC500PU	Large Beam Clamp for $\frac{1}{2}$ " -19 Rod	600 lb (2.7kN)
LBCR375PU	Large Beam Clamp Retaining Clip for $\frac{3}{8}$ " -16 Rod	—
LBCR500PU	Large Beam Clamp Retaining Clip for $\frac{1}{2}$ " -19 Rod	—

## Small Beam Clamp



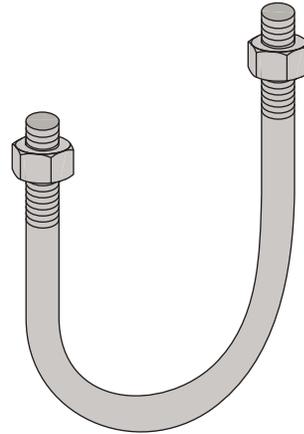
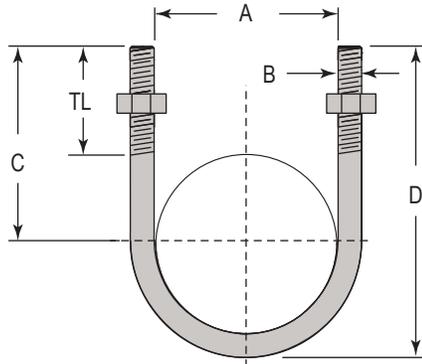
Part No.	Description	Load Rating
SBC375PU	Small Beam Clamp for $\frac{3}{8}$ " -16 Rod	600 lb (2.7kN)
SBC500PU	Small Beam Clamp for $\frac{1}{2}$ " -19 Rod	600 lb (2.7kN)

Hole Diameter:  $\frac{7}{16}$ " (11mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center:  $1\frac{1}{8}$ " (48mm); Width:  $1\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



## Standard U-Bolts

- Non-Metallic U-Bolts with 2 Hex Nuts included  
Additional nuts and washers can be purchased separately  
See page 274
- Highly Corrosion Resistant: See Chemical Compatibility Table on page 296 - 298
- Standard Material is glass-reinforced Polyurethane



Part No.	Pipe Size	Pipe OD	A	B	C	D	Thread Length	Max. Rec. Torque
W6304FG	½" (13mm)	0.840 (21mm)	0.93" (24mm)	⅜" (10mm)	1.56" (40mm)	2.41" (61mm)	1.25" (32mm)	20 In/lbs (2.26N/m)
W6306FG	¾" (19mm)	1.050 (27mm)	1.12" (28mm)	⅜" (10mm)	1.66" (42mm)	2.60" (66mm)	1.25" (32mm)	20 In/lbs (2.26N/m)
W6308FG	1" (25mm)	1.315 (33mm)	1.37" (35mm)	⅜" (10mm)	1.78" (45mm)	2.85" (73mm)	1.25" (32mm)	20 In/lbs (2.26N/m)
W6310FG	1-¼" (32mm)	1.660 (42mm)	1.68" (43mm)	⅜" (10mm)	1.94" (49mm)	3.16" (80mm)	1.25" (32mm)	20 In/lbs (2.26N/m)
W6312FG	1-½" (38mm)	1.900 (48mm)	2.00" (51mm)	⅜" (10mm)	2.10" (53mm)	3.47" (88mm)	1.25" (32mm)	20 In/lbs (2.26N/m)
W6314FG	2" (51mm)	2.375 (60mm)	2.43" (62mm)	½" (13mm)	2.46" (63mm)	4.18" (106mm)	1.50" (38mm)	40 In/lbs (4.52N/m)
W6316FG	2-½" (61mm)	2.875 (70mm)	2.93" (74mm)	½" (13mm)	2.71" (69mm)	4.68" (119mm)	1.50" (38mm)	40 In/lbs (4.52N/m)
W6318FG	3" (76mm)	3.500 (89mm)	3.56" (90mm)	½" (13mm)	3.03" (77mm)	5.31" (135mm)	1.50" (38mm)	40 In/lbs (4.52N/m)
W6320FG	3-½" (89mm)	4.500 (114mm)	4.06" (103mm)	½" (13mm)	3.28" (83mm)	5.81" (148mm)	1.50" (38mm)	40 In/lbs (4.52N/m)
W6322FG	4" (102mm)	5.563 (141mm)	4.56" (116mm)	½" (13mm)	3.53" (90mm)	6.31" (160mm)	1.50" (38mm)	40 In/lbs (4.52N/m)

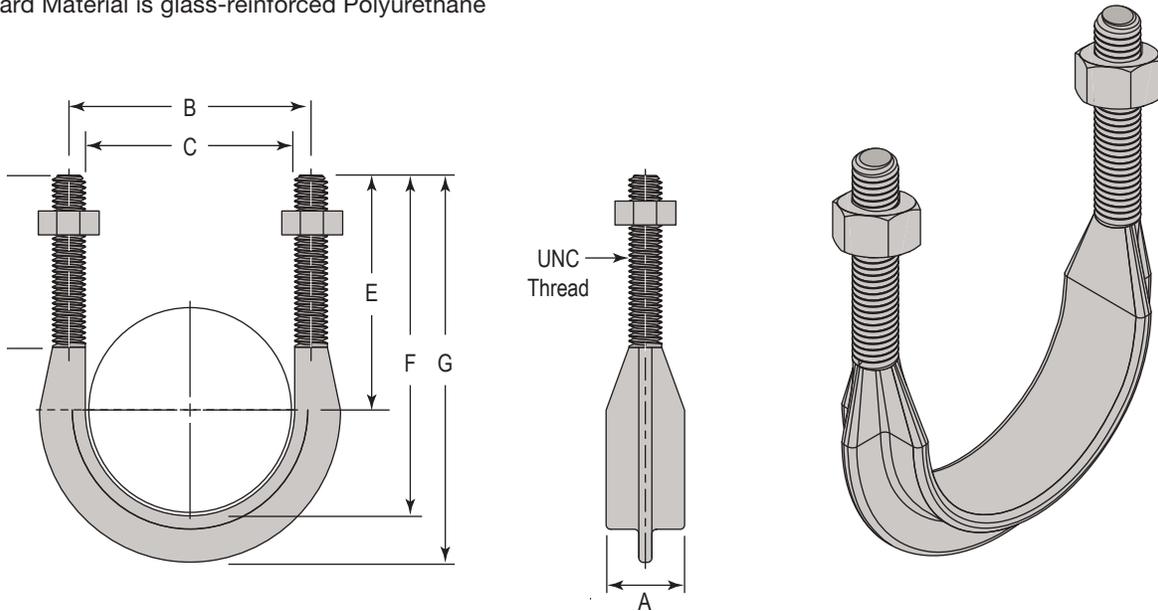
U-bolts should not be torqued above recommended values.

Hole Diameter: ⅞" (11mm); Hole Spacing - From End: 1⅜" (21mm); Hole Spacing - On Center: 1-7⁄8" (48mm); Width: 1-5⁄8" (41mm); Thickness: ¼" (6mm)



## Extended Reach U-Bolts

- Extended-reach U-bolts provide a larger saddle area and longer threaded area
- Non-Metallic U-Bolts with 2 Hex Nuts included
- Highly Corrosion Resistant: See Chemical Compatibility Table on page 296 - 298
- Standard Material is glass-reinforced Polyurethane



Part No.	Nominal Size	IPS Pipe Size	Bolt Torque	UNC Thread Size
W6308ERFG	1" (25mm)	1.315 (33mm)	40 In/lbs (4.52N/m)	3/8"-16
W6312ERFG	1-1/2" (38mm)	1.900 (48mm)	40 In/lbs (4.52N/m)	3/8"-16
W6314ERFG	2" (51mm)	2.375 (60mm)	80 In/lbs (9.04N/m)	1/2"-13
W6318ERFG	3" (76mm)	3.500 (89mm)	80 In/lbs (9.04N/m)	1/2"-13
W6322ERFG	4" (102mm)	4.500 (114mm)	80 In/lbs (9.04N/m)	1/2"-13
W6326ERFG	6" (152mm)	6.625 (168mm)	80 In/lbs (9.04N/m)	5/8"-11

U-bolts should not be torqued above recommended values.

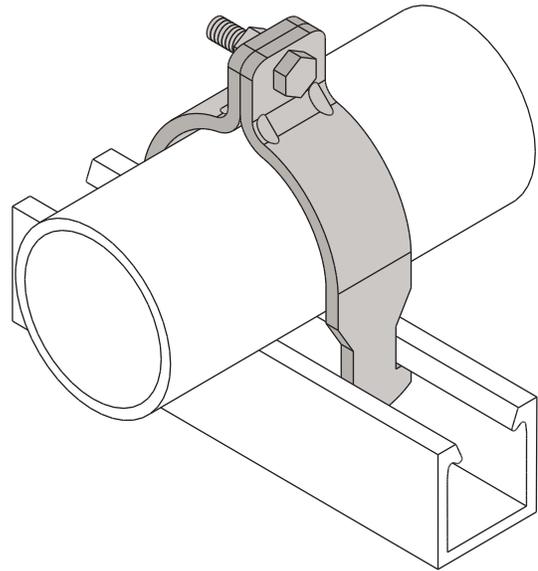
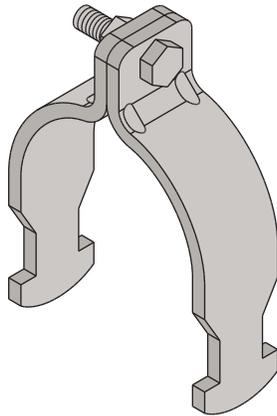
Part No.	Nominal Size	IPS Pipe Size	A	B	C	D	E	F	G
W6308ERFG	1" (25mm)	1.315 (33mm)	9/16" (14mm)	1-3/4" (45mm)	1-3/8" (35mm)	1-7/8" (48mm)	2-5/16" (59mm)	3" (76mm)	3-3/8" (86mm)
W6312ERFG	1-1/2" (38mm)	1.900 (48mm)	9/16" (14mm)	2-3/8" (60mm)	2" (51mm)	2-1/8" (54mm)	2-21/32" (68mm)	3-21/32" (93mm)	4-1/32" (102mm)
W6314ERFG	2" (51mm)	2.375 (60mm)	3/4" (19mm)	2-15/16" (75mm)	2-7/16" (62mm)	2-3/8" (60mm)	3-5/32" (80mm)	4-3/8" (111mm)	5" (127mm)
W6318ERFG	3" (76mm)	3.500 (89mm)	3/4" (19mm)	4-1/8" (105mm)	3-5/8" (92mm)	2-5/8" (67mm)	3-11/16" (94mm)	5-1/2" (140mm)	6-1/8" (156mm)
W6322ERFG	4" (102mm)	4.500 (114mm)	3/4" (19mm)	5-1/8" (130mm)	4-5/8" (118mm)	2-5/8" (67mm)	4-3/16" (106mm)	6-1/2" (165mm)	7-1/8" (181mm)
W6326ERFG	6" (152mm)	6.625 (168mm)	7/8" (22mm)	7-3/8" (187mm)	6-3/4" (172mm)	3-1/4" (83mm)	5-3/4" (146mm)	9-1/8" (232mm)	9-7/8" (251mm)

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



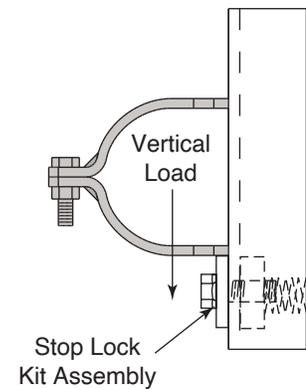
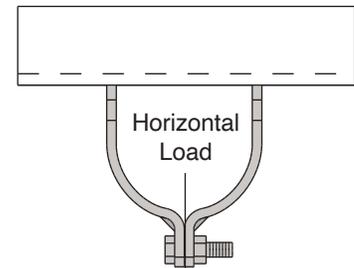
## Rigid Pipe Clamps

- Interchangeable with Industry Standard Channel Framing
- Non-Metallic Clamps with Fasteners included
- Stainless Steel or Non-Metallic Fasteners
- Clamps fit IPS sizes 1/2" to 8" (13mm to 203mm)
- Ease of Installation
- No Special tools required
- Highly Corrosion Resistant: See Chemical Compatibility Table on page 296 - 298, Type PU



Part No.	Pipe Size	Pipe OD	Design Load	
			Horizontal	Vertical
W6126APU	1/2" (13mm)	0.840 (21mm)	160 lb (0.71kN)	60 lb (0.27kN)
W6128APU	3/4" (19mm)	1.050 (27mm)	160 lb (0.71kN)	70 lb (0.31kN)
W6130APU	1" (25mm)	1.315 (33mm)	195 lb (0.87kN)	90 lb (0.40kN)
W6132APU	1-1/4" (32mm)	1.660 (42mm)	215 lb (0.96kN)	115 lb (0.51kN)
W6134APU	1-1/2" (38mm)	1.900 (48mm)	240 lb (1.07kN)	115 lb (0.51kN)
W6138APU	2" (51mm)	2.375 (60mm)	250 lb (1.11kN)	125 lb (0.56kN)
W6142APU	2-1/2" (61mm)	2.875 (70mm)	265 lb (1.18kN)	125 lb (0.56kN)
W6146APU	3" (76mm)	3.500 (89mm)	285 lb (1.27kN)	145 lb (0.65kN)
W6154APU	4" (102mm)	4.500 (114mm)	340 lb (1.51kN)	150 lb (0.67kN)
W6162APU	5" (127mm)	5.563 (141mm)	365 lb (1.62kN)	160 lb (0.71kN)
W6170APU	6" (152mm)	6.625 (168mm)	405 lb (1.80kN)	170 lb (0.76kN)
W6174APU	8" (203mm)	8.625 (219mm)	420 lb (1.87kN)	185 lb (0.82kN)

Standard material is Polyurethane (PU) Gray  
 Fasteners are available in Stainless 316. (Add ST to the end of the part number)  
 Design loads are based on minimum ultimate clamp failure safety factor of 3:1  
 Load Ratings based on PU Fasteners. Higher load ratings are typically achieved with SS Fasteners

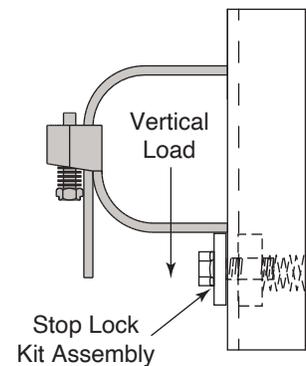
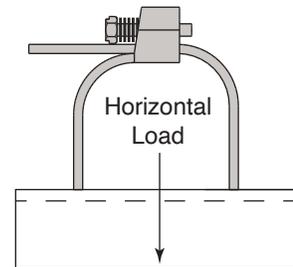
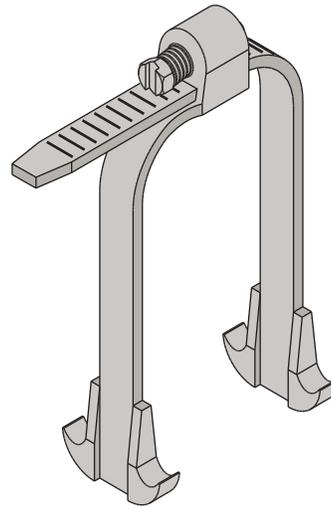
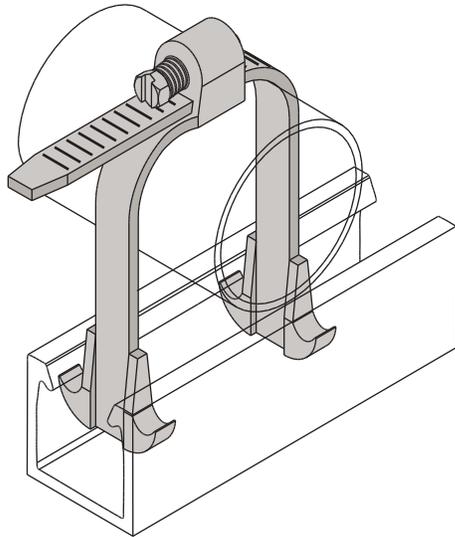


Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



## Adjustable Pipe Clamps

- Interchangeable with Industry Standard Channel Framing
- Non-Metallic
- Adjustable to U.S. and Metric Pipe Diameters
- Clamps fit Pipe Sizes 1/2" to 3-1/2" (13mm to 89mm)
- Larger sizes available for non-load bearing applications
- Simple installation
- No Special Tools Required
- Highly Corrosion Resistant: Type DLR



Part No.	Pipe Size	Pipe OD	Design Load		Maximum Torque
			Horizontal	Vertical	
APC050PU	1/2" to 3/4" (13 to 19mm)	0.75" to 1.05" (19 to 27mm)	135 lb (0.60kN)	70 lb (0.29kN)	15 in-lbs
APC100PU	1" to 1-1/2" (25 to 38mm)	1.05" to 1.90" (27 to 48mm)	150 lb (0.67kN)	125 lb (0.57kN)	22 in-lbs
APC200PU	1-1/2" to 2-1/2" (38 to 61mm)	1.90" to 2.87" (48 to 73mm)	150 lb (0.67kN)	125 lb (0.57kN)	22 in-lbs
APC300PU	2-1/2" to 3-1/2" (61 to 89mm)	2.87" to 4.00" (73 to 102mm)	150 lb (0.67kN)	125 lb (0.57kN)	22 in-lbs

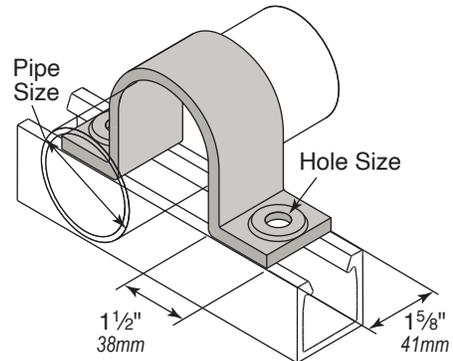
Standard material is Polyurethane (PU) Gray  
 Design loads are based on minimum ultimate clamp failure safety factor of 3:1  
 Note: Standard bag quantity of 25 each

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



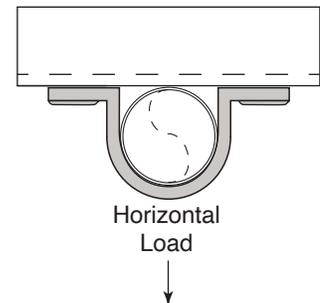
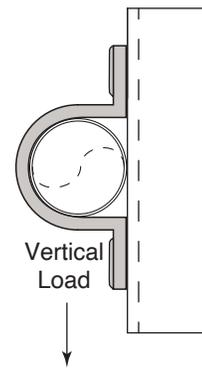
## Two Hole Pipe Straps

- Non-Metallic
- Stainless Steel or Non-Metallic Fasteners
- Straps fit sizes 2" to 6" (51mm to 152mm)
- Mount to Wesanco channel or directly to other surfaces
- Highly Corrosion Resistant: See Chemical Compatibility Table on pages 296 - 298
- Design Loads are stated for Horizontal and Vertical applications
- Higher design loads possible when mounted to solid surface. Consult factory



Part No.	Pipe Size	Pipe OD	Hole Size	Design Load	
				Horizontal	Vertical
W7938PU	2" (51mm)	2.375 (60mm)	7/16" (11mm)	175 lb (0.78kN)	125 lb (0.57kN)
W7846PU	3" (76mm)	3.500 (89mm)		200 lb (0.89kN)	125 lb (0.57kN)
W7854PU	4" (102mm)	4.500 (114mm)		200 lb (0.89kN)	125 lb (0.57kN)
W7870PU	6" (152mm)	6.625 (168mm)	9/16" (14mm)	225 lb (1.00kN)	125 lb (0.57kN)

Standard strap material is Polyurethane, Polyester is available (substitute PE for PU in part number)  
 Fasteners are separate order items  
 Design loads are based on minimum ultimate clamp failure safety factor of 3:1  
 Note: Standard bag quantity of 25 each for sizes 2" (51mm) thru 4" (102mm)  
 Note: Call factory for design assistance



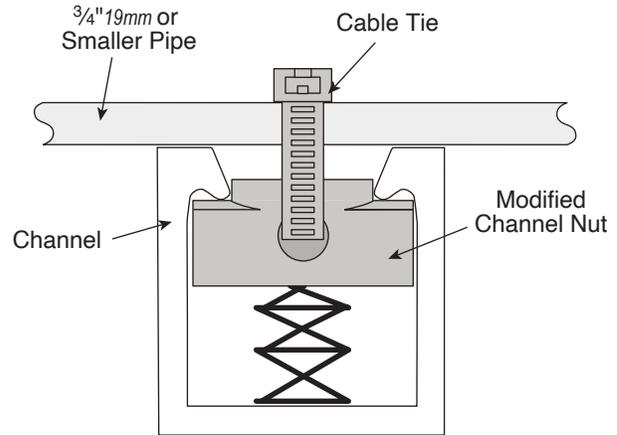
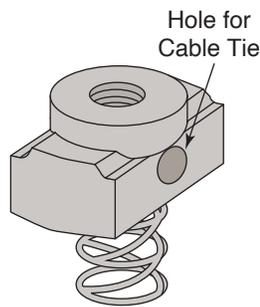
Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8"(41mm); Thickness: 1/4" (6mm)



## Adjustable Tubing Clamps

Designed for supporting process and instrumentation tubing under  $\frac{3}{4}$ " (19mm) in diameter. Industry standard cable ties are held in place with modified Wesanco spring nuts.

- Non-Metallic
- Clamps fit tubing under  $\frac{3}{4}$ " (19mm)
- Simple Installation
- No Special Tools Required
- Highly Corrosion Resistant: See Chemical Compatibility Table on pages 296 - 298, Type DLR



Part No.	Description	Channel Size	Design Load	
			Horizontal	Vertical
ABSN100PU	Attachment Block for Cable Tie	1- $\frac{1}{8}$ " (29mm)	--	--
ABSN200PU	Attachment Block for Cable Tie	1- $\frac{5}{8}$ " (41mm)	--	--
CT084PP50	Polypropylene Cable Tie 8.5" (216mm) Long	1- $\frac{1}{8}$ " (29mm) & 1- $\frac{5}{8}$ " (41mm)	20 lb (0.089kN)	10 lb (0.045kN)

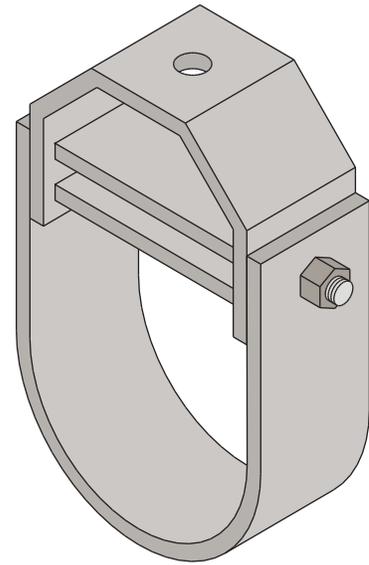
Note: Standard bag quantity of 25 each

Hole Diameter:  $\frac{7}{16}$ " (11mm); Hole Spacing - From End:  $\frac{13}{16}$ " (21mm); Hole Spacing - On Center: 1- $\frac{7}{8}$ " (48mm); Width: 1- $\frac{5}{8}$ " (41mm); Thickness:  $\frac{1}{4}$ " (6mm)



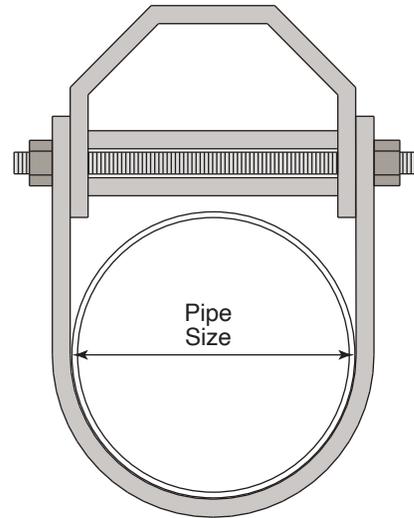
## Clevis Hanger

- Sizes 1" to 4" (25mm to 102mm) Injection molded Polyester PE (Black) Special Order or Polyurethane PU (Gray) Stocked
- Size 6" (152mm) Injection molded Polyurethane PU (Gray). Profile is different that 1" thru 4"
- See Chemical Resistant Chart for material selection on pages 296 - 298
- No special tools required



Part No.		Pipe Size	Hanger OD	Hanger Rod Diameter	Design Load Uniform
Polyester FRP Black (PE)	Polyurethane Gray (PU)				
SCH100PE	SCH100PU	1/2" (13mm) to 1" (25mm)	1-1/2" (38mm)	3/8" (10mm)	225 lb (1.0kN)
SCH200PE	SCH200PU	1-1/4" (32mm) to 2" (51mm)	2-1/2" (61mm)	1/2" (13mm)	280 lb (1.2kN)
SCH300PE	SCH300PU	2-1/2" (61mm) to 3" (76mm)	3-7/8" (98mm)	1/2" (13mm)	550 lb (2.5kN)
SCH400PE	SCH400PU	3-1/2" (89mm) to 4" (102mm)	5" (127mm)	1/2" (13mm)	650 lb (2.9kN)
SCH600PE	SCH600PU	4-1/2" (114mm) to 6" (152mm)	7" (178mm)	1/2" (13mm)	1,000 lb (4.5kN)

Design loads stated with a 3:1 safety factor.



Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



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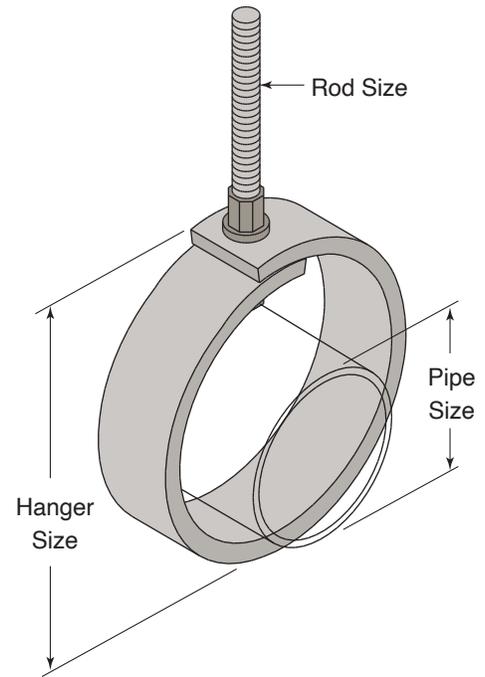
Fiberglass System

Technical Data

## SuperHanger™

SuperHanger™ pipe hangers are comprised of all nonmetallic, corrosion resistant materials and maintenance free properties. SuperHanger™ is available for sizes 1" to 10" (25mm to 254mm) pipe size.

The patented SuperHanger™ pipe hanger design allows for ease of installation on both new and used pipe, structural strength for pipe loadings and sizes to support various pipe diameters. They come in multiple sizes and are ready for immediate availability.



Part No.	Pipe Size	Hanger Size	Threaded Rod Size	Design Load Lbs (kN)
SH001	¾" - 1"	3" (76mm)	⅜" (10mm)	100 Lbs (0.45kN)
SH002	1-¼" to 2"	4" (102mm)	⅜" (10mm)	450 Lbs (2.00kN)
SH003	2-½" - 3"	5" (127mm)	⅜" (10mm)	450 Lbs (2.00kN)
SH004	4"	6" (152mm)	⅜" (10mm) or ½" (13mm)	450 Lbs (2.00kN)
SH006	6"	10" (254mm)	½" (13mm)	650 Lbs (2.89kN)
SH008	8"	12" (305mm)	⅝" (16mm)	650 Lbs (2.89kN)
SH010	10"	14" (356mm)	⅝" (16mm)	650 Lbs (2.89kN)

Design loads are based on minimum ultimate hanger failure safety ratio factor of 3:1



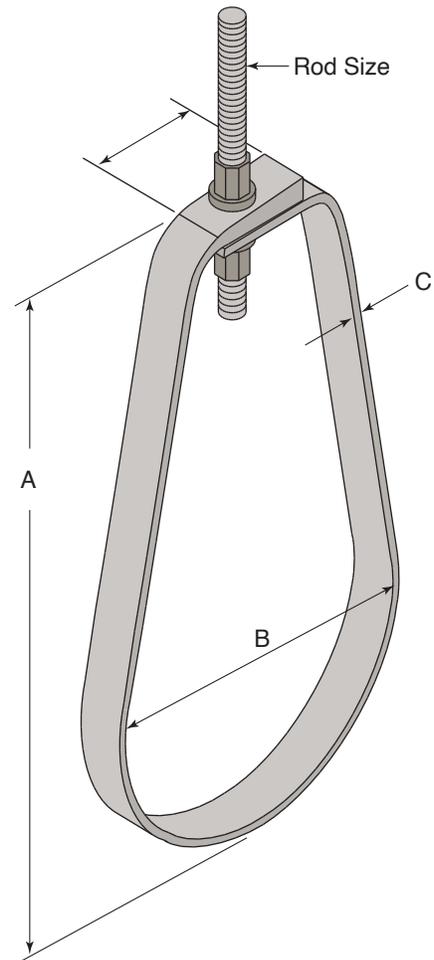
Hole Diameter: ⅞" (11mm); Hole Spacing - From End: 1⅜" (21mm); Hole Spacing - On Center: 1-⅞" (48mm); Width: 1-⅝" (41mm); Thickness: ¼" (6mm)



## SuperLoop™

SuperLoop™ pipe hangers are comprised of all nonmetallic, corrosion resistant materials and maintenance free properties. For larger pipes use Super Loop Hanger. The SuperLoop™ is available for sizes from 3" to 16" (76mm to 406mm) diameter pipes.

The SuperLoop Hanger is great for industrial applications or commercial drainage pipes, where pipes sizes are considerably larger. The biggest advantage of using the Super Loop Hanger is that in any environment the Super Loop performs better than metallic counterparts, because of its rust-free properties.



Part No.	Pipe Size	Hanger O.D.	Hanger Rod Size	A	B	C	D	Design Load Lbs (kN)
SLH1200	12" (305mm)	13-1/2" (343mm)	3/4" (19mm)	20.5" (521mm)	13.50" (343mm)	0.40 (10mm)	2.76 (70mm)	1,330 Lbs (5.92kN)
SLH1400	14" (356mm)	14" (356mm)	1" (25mm)	21.1" (536mm)	14.02" (356mm)	0.40 (10mm)	2.76 (70mm)	1,500 Lbs (6.67kN)
SLH1600	16" (406mm)	16" (406mm)	1" (25mm)	24.3" (617mm)	16.00" (406mm)	0.40 (10mm)	2.76 (70mm)	2,070 Lbs (9.21kN)
SLH1800	18" (457mm)	18" (457mm)	1" (25mm)	27.0" (686mm)	18.39" (467mm)	0.40 (10mm)	2.76 (70mm)	2,070 Lbs (9.21kN)
SLH2000	20" (508mm)	20" (508mm)	1" (25mm)	30.0" (762mm)	20.00" (508mm)	0.40 (10mm)	2.76 (70mm)	2,070 Lbs (9.21kN)
SLH2400	24" (610mm)	24" (610mm)	1" (25mm)	36.0" (914mm)	23.98" (609mm)	0.40 (10mm)	2.76 (70mm)	2,070 Lbs (9.21kN)

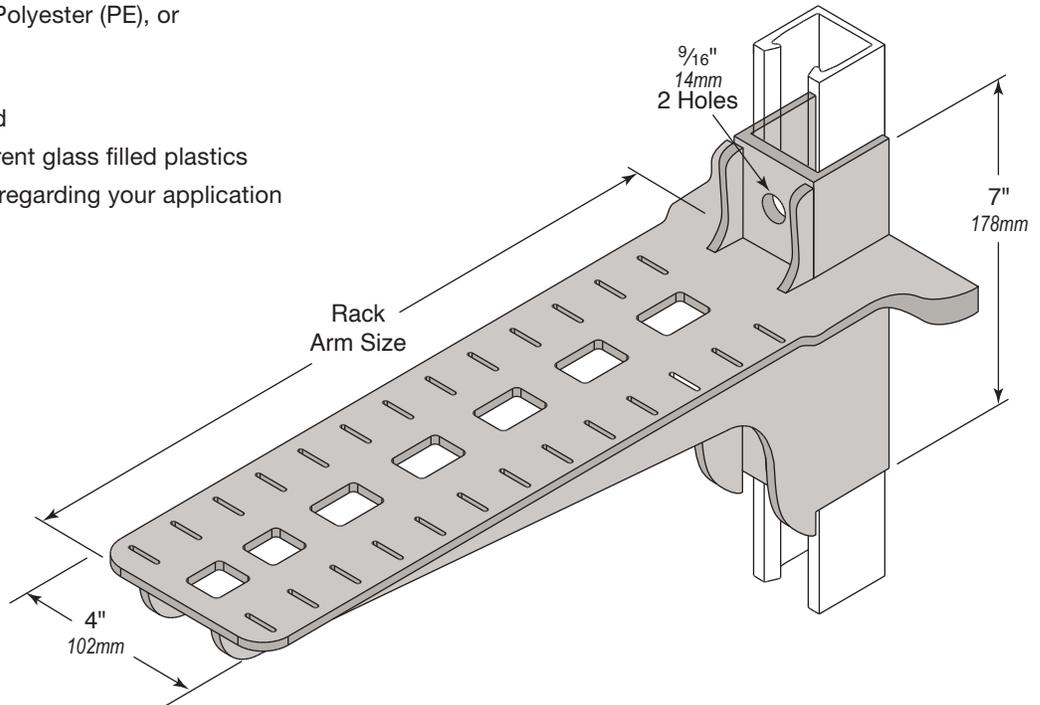
Design loads are based on minimum ultimate hanger failure safety ratio factor of 3:1

Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



## Rack Arms

- Cables, tubing, conduit or piping can be attached to rack arm using Wesanco adjustable or rigid clamps, or Tie-Wraps
- Rack arms can be attached to Wesanco channel with 1/2" (13mm) spring nut P/N W2-8FG or 1/2" (13mm) channel nut P/N W2-8WSPU
- All Non-Metallic - Non-Conductive & Corrosion Resistant
- Available in Nylon (NY), Polyester (PE), or Polyurethane (PU)
- Ease of Installation
- No Special tools required
- Available in several different glass filled plastics
- Consult with the factory regarding your application



Part No.		Rack Arm Size	Design Load Concentrated	Design Load Uniform
Polyurethane Gray (PU)	Glass Filled Nylon Black (NY)			
RA1400PU	RA1400NY	14" (356mm)	600 lb (2.7kN)	600 lb (2.7kN)
RA2000PU	RA2000NY	20" (508mm)	600 lb (2.7kN)	600 lb (2.7kN)

Uniform Load applied over full length of arm  
 Concentrated Load applied 8" (203mm) from bolted surface  
 Factor of Safety: 3:1

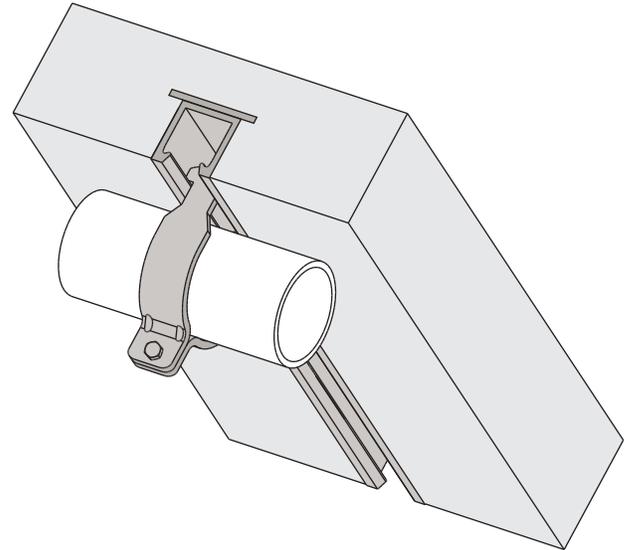
Hole Diameter: 7/16" (11mm); Hole Spacing - From End: 13/16" (21mm); Hole Spacing - On Center: 1-7/8" (48mm); Width: 1-5/8" (41mm); Thickness: 1/4" (6mm)



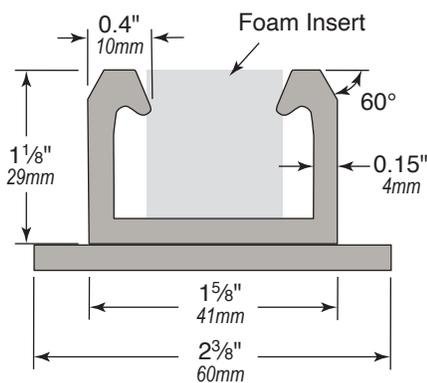
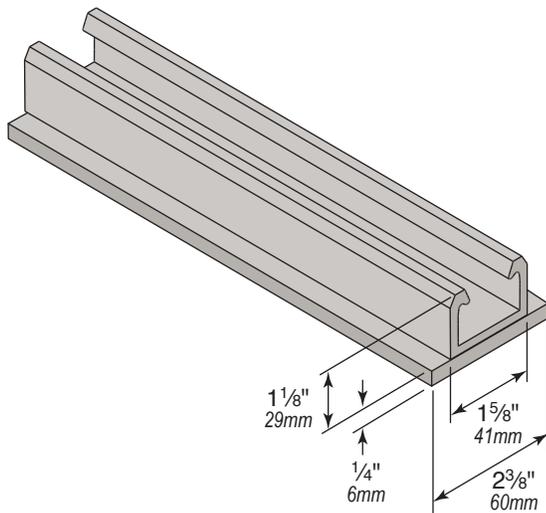
Standard: Polyester (PF) or Vinyl Ester (VF)

## Concrete Inserts

In certain applications, it is necessary to embed a corrosion resistant channel into a new pouring of concrete. For these applications, concrete insert channel is recommended. Channel is available in two material types; polyester and vinyl ester. The concrete insert is available in either 1-1/8" or 1-5/8" channel profiles. Mounting the insert flush with the concrete surface is a convenient way to secure piping, conduits or electrical enclosures. Insert is shipped ready for installation with factory installed Cello-Foam filler strip.

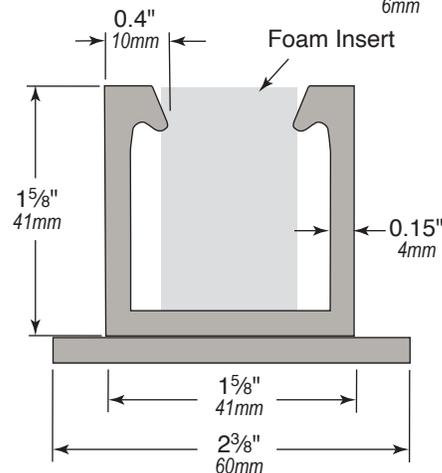
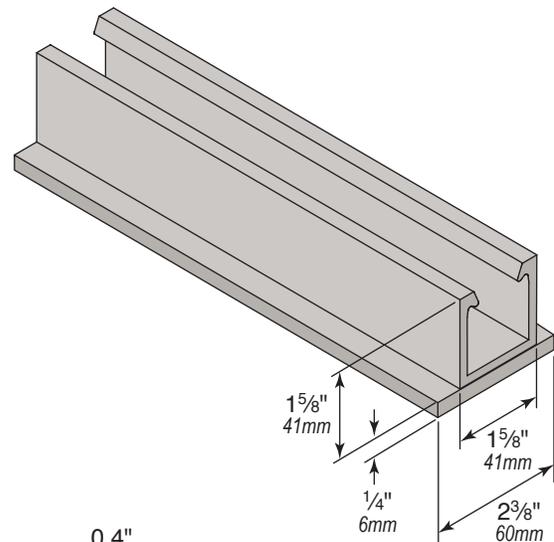


### 1-1/8" x 1-1/8" Concrete Insert



Part No.	Material
<a href="#">W7565EPF</a>	Polyester Fire Rated FRP Gray
<a href="#">W7565EVF</a>	Vinyl Ester Fire Rated FRP Beige

### 1-5/8" x 1-5/8" Concrete Insert



Part No.	Material
<a href="#">W7265EPF</a>	Polyester Fire Rated FRP Gray
<a href="#">W7265EVF</a>	Vinyl Ester Fire Rated FRP Beige



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Use the following guide to determine which material in the Wesanco system provides the best performance for your application.

Chemical	Polyester Fire Rated Fiberglass (PF)		Vinyl Ester Fire Rated Fiberglass (VF)		Polyurethane (PU)	
	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)
Acetic Acid, Up to 10%	R	R	R	R	R	-
Acetic Acid, Up to 50%	R	R	R	R	R	-
Acetone, Up to 10%	NR	NR	NR	NR	R	-
Aluminum Hydroxide	R	R	R	R	R	-
Ammonia Gas (dry)	NR	NR	R	100	R	-
Ammonium Hydroxide (Aqueous Ammonia), Up to 5%	NR	NR	R	R	R	-
Ammonium Hydroxide, Up to 10%	NR	NR	R	150°	R	-
Ammonium Hydroxide, Up to 20%	NR	NR	R	150°	R	-
Ammonium Nitrate	R	R	R	R	R	-
Ammonium Phosphate	R	R	R	R	R	-
Ammonium Sulfide, saturated	NR	NR	R	120°	R	-
Aqua Regia, fumes	NR	NR	R	150°	NR	-
Barium Hydroxide 10%	NR	NR	R	120°	R	-
Benzene	NR	NR	NR	NR	R	R
Benzoic Acid	R	R	R	R	R	-
Bromine, wet gas	NR	NR	R	100°	-	-
Butylene Glycol, Up to 100%	R	R	R	R	R	-
Butyric Acid, Up to 50%	R	R	R	R	R	-
Calcium Hydroxide	R	NR	R	R	R	-
Chlorine, Dry Gas	NR	NR	R	R	R	-
Chlorine, Wet Gas	NR	NR	R	R	-	-
Chlorine, Liquid	NR	NR	NR	NR	-	-
Chlorine, Water	R	R	R	R	R	-
Chromic Acid, Up to 5%	NR	NR	R	R	-	-
Chromic Acid, Up to 20%	NR	NR	R	R	-	-
Citric Acid	R	R	R	R	R	-
Copper Chloride	R	R	R	R	R	-
Copper Cyanide	R	NR	R	R	R	-
Copper Fluoride	R	NR	R	R	R	-
Copper Nitrate	R	R	R	R	R	-
Copper Sulfate	R	R	R	R	R	-
Dechlorinated Brine Storage	-	-	R	R	R	-
Esters, Fatty Acid	R	R	R	R	R	-
Fatty Acids	R	R	R	R	R	-
Ferric Chloride	R	R	R	R	R	-
Ferric Nitrate	R	R	R	R	R	-
Ferrous Chloride	R	R	R	R	R	-



# Chemical Resistance Chart



Chemical	Polyester Fire Rated Fiberglass (PF)		Vinyl Ester Fire Rated Fiberglass (VF)		Polyurethane (PU)	
	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)
Fluoboric Acid	R	120°	R	R	-	-
Fluosilicic Acid, Up to 10%	NR	NR	R	R	-	-
Fluosilicic Acid, Up to 32%	NR	NR	R	100°	-	-
Formic Acid, Up to 10%	NR	NR	R	R	R	-
Formic Acid, Up to 50%	NR	NR	R	100°	R	-
Gasoline, Aviation	R	NR	R	R	R	-
Green Liquor, Pulp Mill	-	-	R	R	-	-
Hydrochloric Acid, Up to 15%	R	NR	R	R	R	-
Hydrochloric Acid, Up to 37%	R	NR	R	R	R	-
Hydrofluoric Acid, Up to 10%	NR	NR	R	150°	-	-
Hydrofluoric Acid, Up to 20%	NR	NR	R	100°	-	-
Hydrogen Chloride Wet Gas	R	NR	R	R	NR	-
Hydrogen Peroxide 50%	NR	NR	R	R	R	-
Hydrogen Sulfide Wet Gas	R	NR	R	R	R	-
Lactic Acid	R	NR	R	R	R	-
Lead Nitrate	-	-	R	R	R	-
Magnesium Hydroxide	NR	NR	R	R	R	-
Mercurous Chloride	R	NR	R	R	-	-
Methyl Ethyl Ketone	NR	NR	NR	NR	NR	-
Methylene Chloride	NR	NR	NR	NR	NR	-
Nickel Sulfate, Low PH	NR	NR	R	R	R	-
Nitric Acid, Up to 5%	NR	NR	R	150°	R	-
Nitric Acid, Up to 35%	NR	NR	R	120°	R	-
Nitric Acid, Vapor	NR	NR	R	R	-	-
Perchloric Acid, Up to 10%	NR	NR	R	150°	-	-
Pickling Acid, 3-5% H2SO4	R	R	R	R	R	-
Phosphoric Acid, (115%, P20%)	NR	NR	R	R	-	-
Phosphoric Acid, Vapor or Condensate	NR	NR	R	R	-	-
Potassium Chloride	R	R	R	R	R	-
Potassium Nitrate	R	R	R	R	R	-
Potassium Persulfate	NR	NR	R	R	R	-
Sea Water	R	R	R	R	R	-
Silver Cyanide, Up to 5%	NR	NR	R	R	R	-
Sodium Chloride	R	R	R	R	-	-
Sodium Hydroxide, Up to 25%	NR	NR	R	150°	R	-
Sodium Hydroxide, Up to 50%	NR	NR	R	180°	-	-
Sodium Hypochlorite, Up to 15%	NR	NR	R	150°	R	-
Sodium Nitrate	R	R	R	R	R	-
Sodium Sulfate	R	NR	R	R	R	-

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Technical Data



Chemical	Polyester Fire Rated Fiberglass (PF)		Vinyl Ester Fire Rated Fiberglass (VF)		Polyurethane (PU)	
	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)	70°F (21°C)	160°F (71°C)
Sodium Sulfide	NR	NR	R	R	R	–
Sulfuric Acid, Up to 25%	R	R	R	R	R	–
Sulfuric Acid, Up to 50%	NR	NR	R	R	R	–
Sulfuric Acid, Up to 70%	NR	NR	R	R	R	–
Sulfuric Acid, Up to 75%	NR	NR	R	120°	–	–
Sulfuric Acid, Up to 80%	NR	NR	NR	NR	NR	–
Sulfuric Acid, Vapor	R	NR	R	R	R	–
Tannic Acid	R	NR	R	R	R	–
Trichlorethylene, Fumes	NR	120°	R	R	R	–
Trisodium Phosphate	R	NR	R	R	R	–
Urea	R	NR	R	150°	R	–
Vegetable Oils	R	R	R	R	R	–
Vinegar	R	R	R	R	R	–
Water, Deionized	R	R	R	R	R	–
White Liquor, Pulp Mill	–	–	R	R	–	–
Zinc Chloride	R	R	R	R	–	–

**Note:**

The recommendations contained in this guide are made without representation as to results. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Wesanco, as to the effects of such use or the results to be obtained nor does Wesanco assume any liability arising out of the use by others of the products referenced in this guide. Nor is this information herein to be construed as absolutely complete since additional information may be needed or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.



# Technical Data

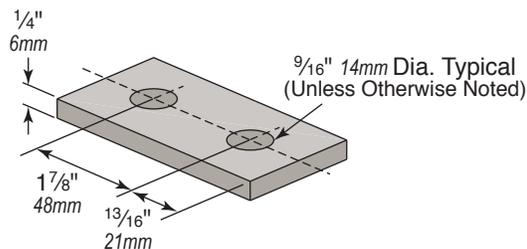
## Material Specifications

Page 300



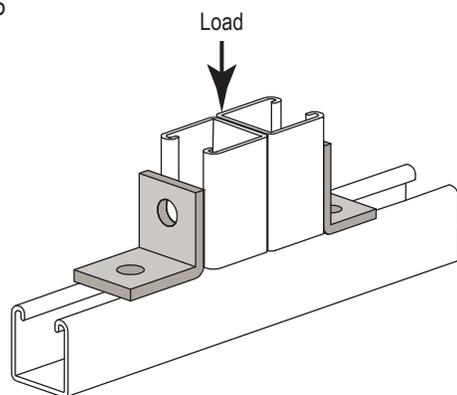
## Design & Dimensional Information

Pages 301 - 302



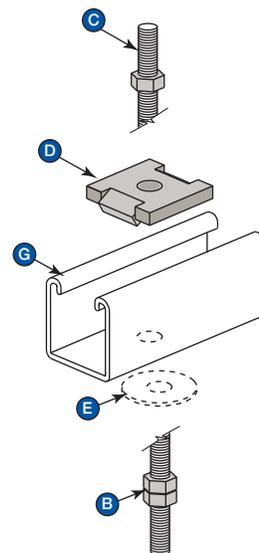
## Channel Engineering Data Crush Load for Channel

Pages 303 - 305



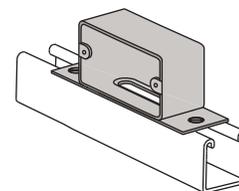
## Safe Thru-Bolting and Trapeze Information

Pages 306 - 307



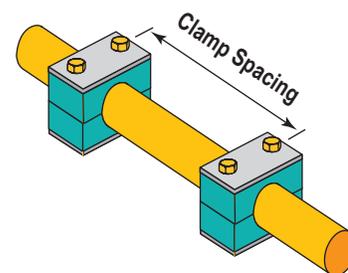
## Electrical Instructions

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## Beta Clamp Technical Data

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## Conversion Tables

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## Versabar to Wesanco Cross References

Pages 314 - 320

## Florida Strut to Wesanco Cross References

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## Indexes

Pages 326 - 339

### Stainless Steel Channel

Channel is available as roll formed sections in stainless steel, conforming to ASTM A 240 Type 304 (**S4**), or ASTM A 240 Type 316 (**S6**). Consult factory for sizes and availability.

To order, see page 23 for material codes to use for channel designation.

Examples: W500**S4**, W200**S6**.

### Stainless Steel Nuts (Channel Type)

Channel Nuts are available in Type 316 Stainless Steel. Consult factory for sizes and availability.

- Sintered 316 - "Domestic Nut" ASTM: B783
- Bar Stock 316 - "Import Nut" ASTM: A240

To order add "S6" to nut designation. Example: W2-8S6

### Stainless Steel Engineering Data

The properties of section for stainless steel channels are the same as shown starting on page 38 of this catalog for mild steel channel. Load ratings for stainless steel channel meet or exceed corresponding mild steel ratings published throughout this catalog.

### Stainless Steel, Aluminum, and Copper Plated Pipe Clamps

Pipe Clamps are available from stock in Stainless Steel Types 304 (S4) and 316 (S6) and by special order in Aluminum and Copper Plated. Consult factory for details.

### Aluminum Channel

Channel is available as extruded aluminum sections type 6063T6, conforming to ASTM B221. Consult factory for sizes and availability.

To order add "AL" to channel designation.

Example: W200**AL**.

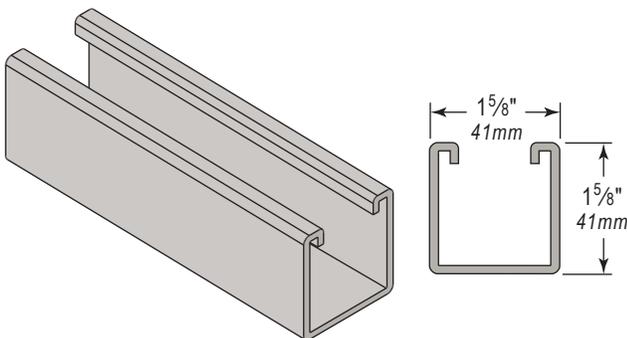
### Aluminum Nuts (Channel Type)

Available by special order. Consult factory for details. ASTM B221.

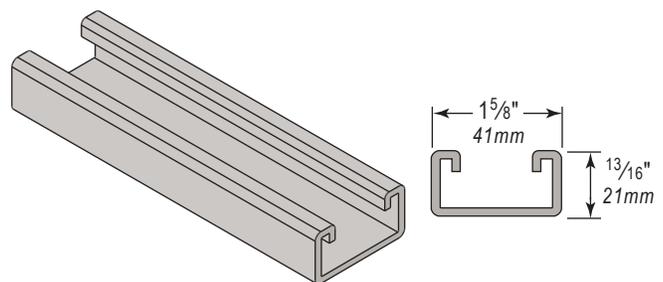
### Aluminum Engineering Data

To determine the appropriate beam load capacity for extruded Aluminum Channel Sections, refer to Channel Engineering Data, W200AL see pages 38 thru 41, W500AL see pages 50 thru 54 in this catalog and multiply published values by 40%. To determine the approximate pull out slip load of Channel Nuts in extruded Aluminum Channel sections, refer to page 70 in this catalog and multiply the resistance to slip value by 75% and the resistance to pull out value by 50%.

**Aluminum Channel - W200AL - 1<sup>5</sup>/<sub>8</sub>" x 1<sup>5</sup>/<sub>8</sub>" (41 x 41mm)**



**Aluminum Channel - W500AL - 1<sup>5</sup>/<sub>8</sub>" x 1<sup>3</sup>/<sub>16</sub>" (41 x 21mm)**

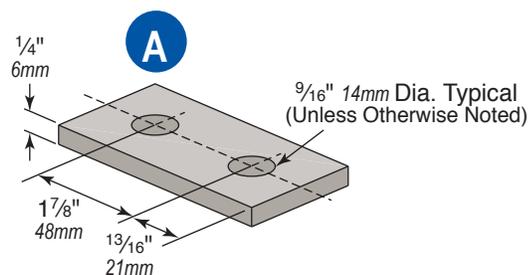


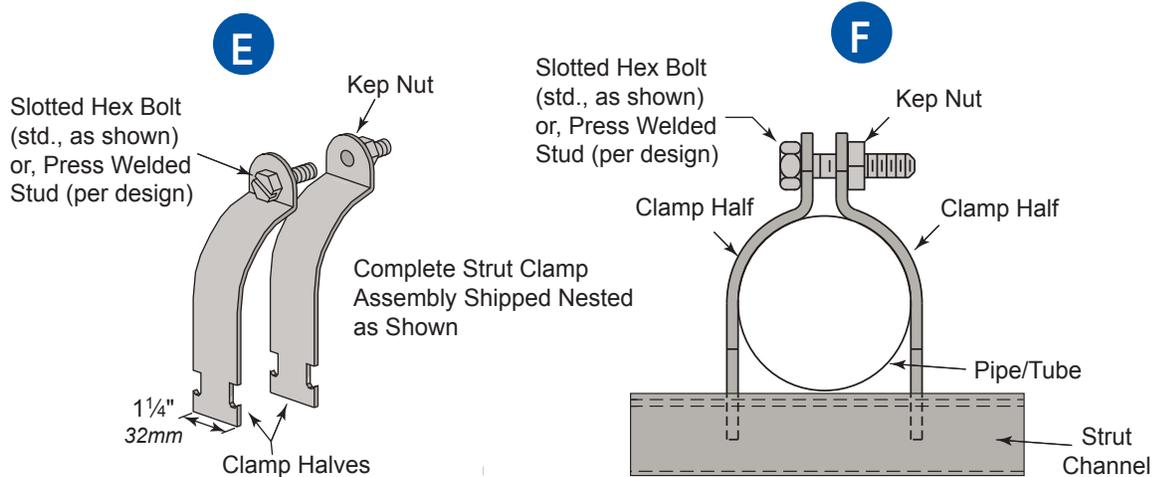
The majority of fittings, are designed to engage at the face of continuous slot channel sections, anywhere along this 1-5/8" surface. Incorporation of either the Holes "H" (9/16" holes, 1-7/8" on center) or the Short Slots "EH" (9/16" x 1-1/8" - 2" on center short slot) configuration has been considered in the fittings' design, especially in hole spacing and placement.

## TYPICAL FITTING DIMENSIONS AND CONTROL DATA (BAR STOCK AND PLATE FABRICATED COMPONENTS)

### Unless otherwise indicated:

- **Width:** 1-5/8" (1.625") unless otherwise specified.
- **Thickness:** 1/4" (material utilized is within nominal tolerance range).
- **Lengths:** As specified on drawing(s).
- **Hole Dimension:** 9/16" (unless specified otherwise).
- **Hole Placement:** 9/16" Diameter holes are aligned along a single or single intersecting centerline (C), which bisects the 1-5/8" (1.625") wide material (flat stock) dimension.
- **Hole Lead-In/Centering:** The 9/16" Diameter holes are located in from leading edges (leading edge to hole center) 13/16" (0.813"). This lead-in dimension controls subsequent center to center positioning and unless otherwise specified or controlled by a fittings gross dimension along a specific axis, field holes are 1-7/8" (1.875") center to center along the material's centerline (C). Dimension from trailing hole center to trailing edge will also be 13/16" (0.813"). (ref drawing: **A**)
- **Bend Design:** Design of each individual bend in this wide selection of fittings has been developed to maximize the material's strength while reducing stress at those bend points. This allows for cohesive nesting with the formed edge radiuses of the channel sections. This design detail provides a minimum tolerance envelope to assure a clean accurate fit and ease of assembly into structural strut/fitting elements.
- **Flat Fittings:** Without any bend from that single plane: For use with channel sections: arranged and co-dependently utilized in a double axis or parallel single axis, single plane situation.





Clamp halves are pushed laterally into place. Ninety degrees to the channel face and touching the pipe element sides. The bolt and nut are installed. The grip design at the channel lips tightens during assembly, securely holding the Strut Clamp assembly in-place.

## FITTING DIMENSIONS AND CONTROL DATA (STRIP I GAUGE MATERIAL FORMED PIPE CLAMP HALVES):

### Unless otherwise indicated:

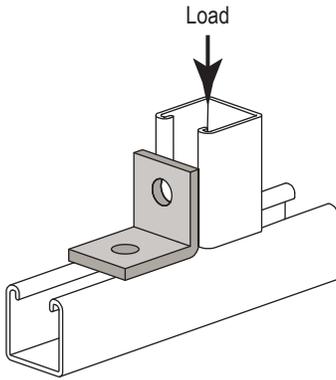
- **Materials width:** 1- $\frac{1}{4}$ " ( 1.250") side to side, forming two identically matching strut clamp sides. (Ref: E and F)
- **Thickness:** Gauge dimensional material is utilized, specific to each individual strut clamp size. Ref. Part Number I Size chart for each style clamp. (Ref: E)
- **Material length:** Specific lengths of material required to fabricate each size strut clamp is not provided. The bolt tang also varies from clamp size to size and style to style.
- **Channel twist-grip feature:** Each clamp half is formed with an in-line, twist-on feature, allowing close proximity installation with a simple insert-twist maneuver. The clamp halves are pushed laterally into place, ninety degrees to the channel face and touching the pipe element sides, and the bolt / nut is installed. The grip design at the channel lip's tightens during assembly, securely holding the strut clamp assembly in place. (Ref: E and F)
- **Hole dimension / Placement:** The receiving hole and bolt pass-thru hole(s) positioned in the punched tang(s), (except in the studded version clamps) are identical sized with standard practice clearance tolerances. Placement and size of holes to accommodate the mechanical studs are similarly positioned for strength and utilization in an appropriately sized punched tang.
- **Bolt dimensions:** National Coarse Sized threaded mild steel hex head/slotted bolts are utilized; dimensions vary from clamp size to clamp size. Ref: Number / Size chart for each style clamp. (Ref: E)
- **Stud attachment:** The mild steel, ASTM conformant National Coarse Size threaded studs, are press fit into an appropriately sized receiving hole and then high resistance welded in place to further secure them against accidental loosening while the Kep nuts are turned into position (use per specific part data call-out).
- **Kep hex nuts** are utilized on all direct contact clamps; .

NOTE: Illustrations of Components throughout are representational. Utilize specific data as shown.

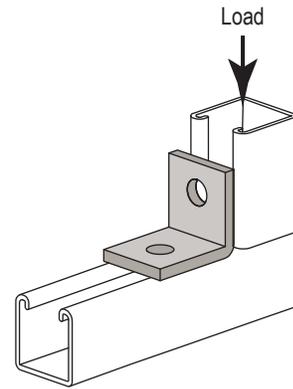
## Crush Load for Channel

### Load Data for Channel Sections, Subject to Crushing Loads

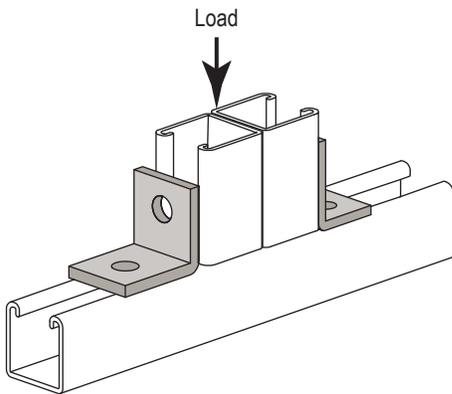
These values are based on a minimum yield point of 33,000 PSI at safety factor of 1.85.



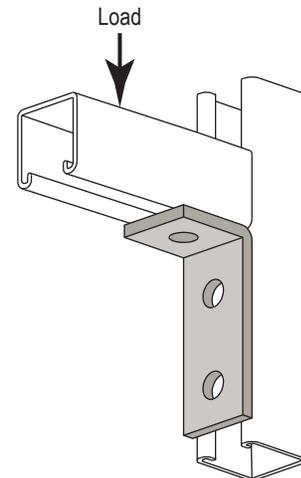
Channel Used	Reaction Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	7,000# (31.14 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	3,600# (16.01 kN)
W300 - 1-5/8" x 1-3/8" - 12 gauge	6,900# (30.69 kN)
W500 - 1-5/8" x 13/16" - 14 gauge	3,400# (15.12 kN)



Channel Used	Reaction Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	2,900# (12.90 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,500# (6.67 kN)
W300 - 1-5/8" x 1-3/8" - 12 gauge	2,800# (12.46 kN)
W500 - 1-5/8" x 13/16" - 14 gauge	1,400# (6.23 kN)



Channel Used	Reaction Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	7,000# (31.14 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	3,600# (16.01 kN)
W300 - 1-5/8" x 1-3/8" - 12 gauge	6,900# (30.69 kN)
W500 - 1-5/8" x 13/16" - 14 gauge	3,400# (15.12 kN)



Channel Used	Reaction Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	2,900# (12.90 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,500# (6.67 kN)
W300 - 1-5/8" x 1-3/8" - 12 gauge	2,800# (12.46 kN)
W500 - 1-5/8" x 13/16" - 14 gauge	1,400# (6.23 kN)

## Point Load

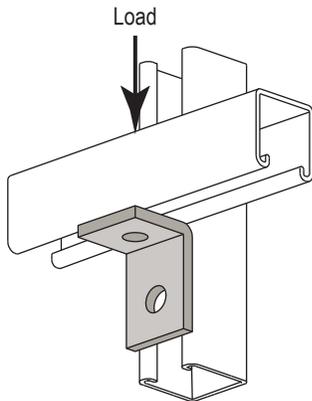
### Design Load Data for Channel Connections

Load diagrams indicate two design loads;  
 one for 1-5/8" x 1-5/8" - 12 gauge sections (see page 39) and  
 one for 1-5/8" x 1-5/8" - 14 gauge sections (see page 40)  
 Safety factor = 2-1/2 based on ultimate strength of connection.

### 90° Fittings

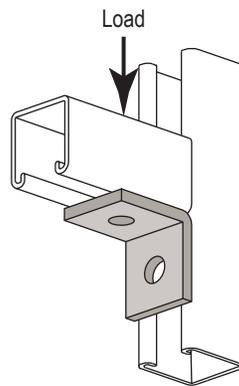
(When used in position shown)

#### 2-Hole Rack Connector



Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	1,500# (6.67 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,000# (4.45 kN)

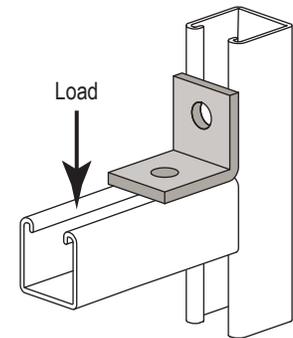
#### 2-Hole End Connector



Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	1,500# (6.67 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,000# (4.45 kN)

#### 2-Hole End Connector

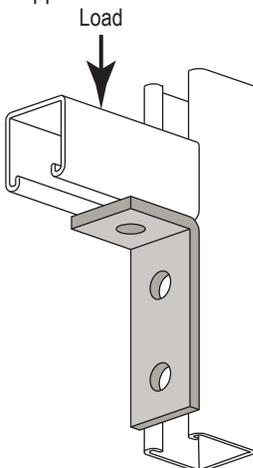
Both Ends Supported



Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	1,000# (4.45 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	650# (2.89 kN)

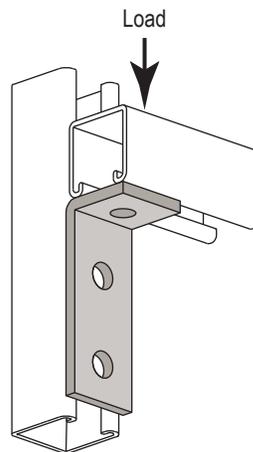
#### 3-Hole End Connector

Both Ends Supported



Channel Used	Design Load in LBS.
W200 - 1-5/8" x 1-5/8" - 12 gauge	2,000# (8.90 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,500# (6.67 kN)

#### 3-Hole Column Stringer Connector

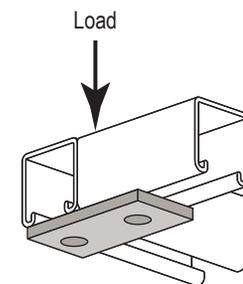


Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	500# (2.22 kN)

### Flat Plate Fittings

#### 2-Hole Splice Plate

Both Ends Supported



Channel Used	Design Load in LBS.
W200 - 1-5/8" x 1-5/8" - 12 gauge	1,000# (4.45 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	800# (3.56 kN)

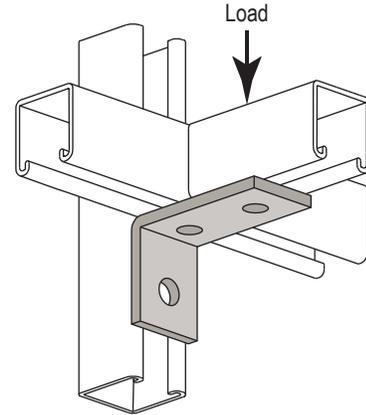
## Uniform Load - 90° Fittings

### Design Load Data for Channel Connections

Load diagrams indicate two design loads;  
 one for 1-5/8" x 1-5/8" - 12 gauge sections  
 (see page 39) and  
 one for 1-5/8" x 1-5/8" - 14 gauge sections  
 (see page 40)  
 Safety factor = 2-1/2 based on ultimate strength  
 of connection.

### 3-Hole Rack Corner Angle

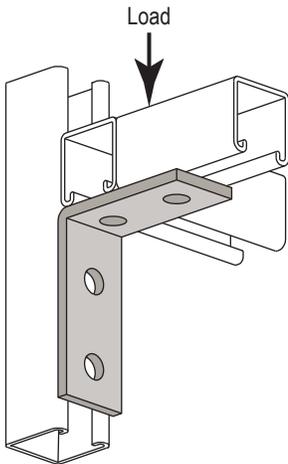
Both Ends Supported



Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	1,500# (6.67 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	1,000# (4.45 kN)

### 4-Hole Rack Corner Angle

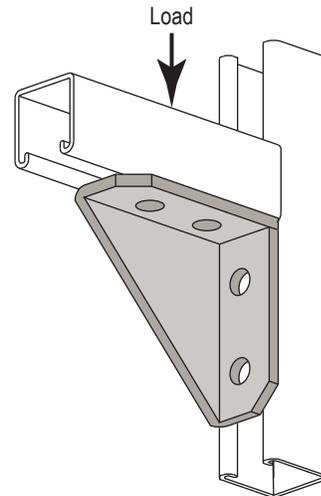
Both Ends Supported



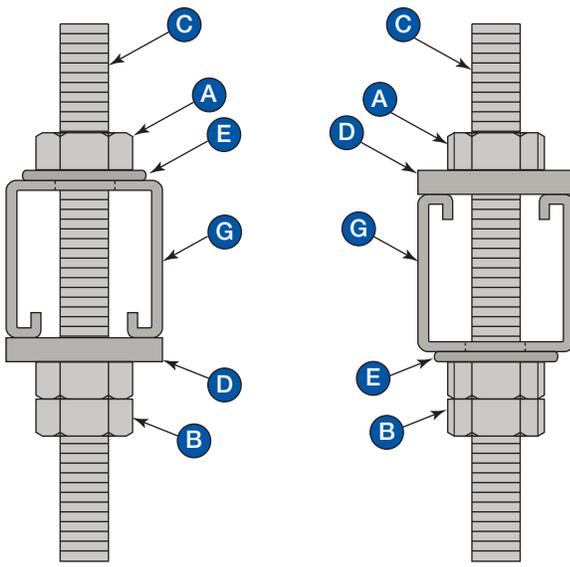
Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	2,000# (8.90 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	2,000# (8.90 kN)

### 4-Hole Gusset Corner Angle, Left or Right Hand

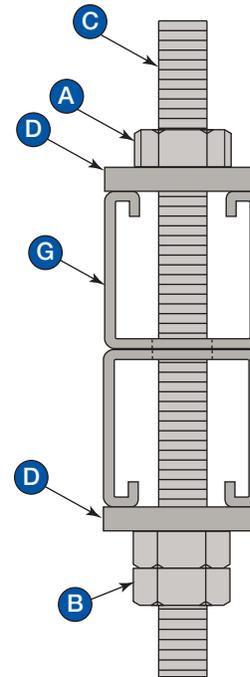
Both Ends Supported



Channel Used	Design Load Lbs. (kN)
W200 - 1-5/8" x 1-5/8" - 12 gauge	2,000# (8.90 kN)
W210 - 1-5/8" x 1-5/8" - 14 gauge	2,000# (8.90 kN)



Single Section Perforated Channel



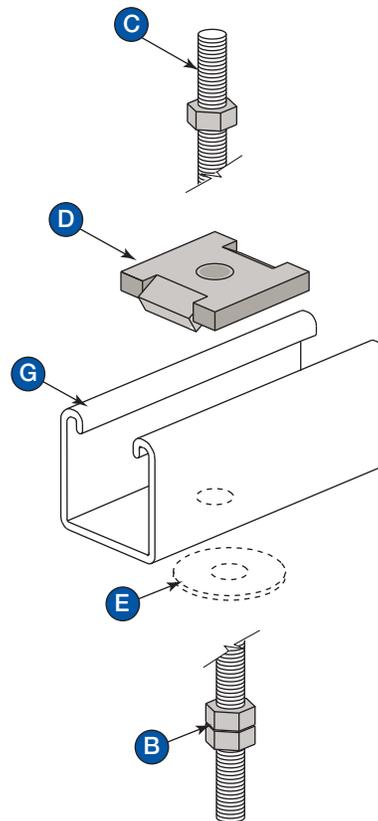
Double Section Perforated Channel

## Common Components

- A: Top Hex Nut
- B: Bottom Double Hex Nuts
- C: All Thread Rod
- D: Flat Fitting (With Indents Shown).
- E: Fender or "Cut" Washer. (Recommended).
- F: (Not Shown) Lock Washer (S), Kep Nut(S), or Other Security Measures as Required.
- G: Perforated Strut (Recommended).

Over tightening face supported through bolted all thread rod or other mechanical fasteners can distort the channel section beyond its intended maximum safe configuration causing serious distortion and possible failure.

Utilize bolting security measures to prevent accidental loosening.



## Attachment Information

Introduction

Channel

Channel Nuts & Hardware

General Fittings

Brackets

Beam Clamps

Pipe & Conduit Supports

Electrical Fittings

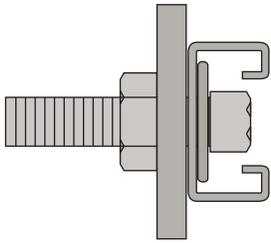
Spring Steel

Concrete Inserts

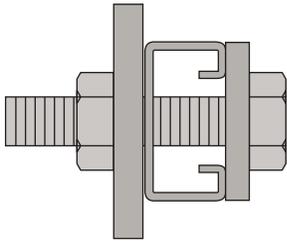
Rooftop Supports

Fiberglass System

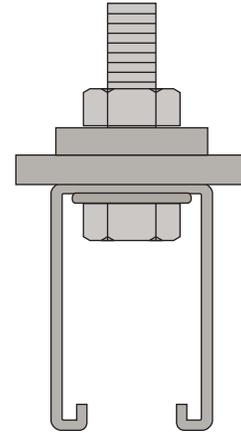
Technical Data



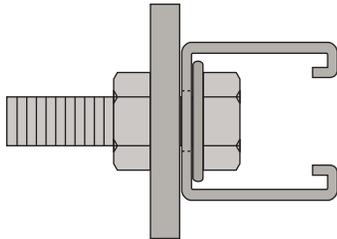
Shallow channel bolted thru from inside to backing plate with 1/2" dia. Allen head bolt and washer; hex nut behind.



Shallow channel bolted thru from face to backing plate with 1/4" face fitting and 1/2" hex bolt; hex nut behind.



Deep style channel bolted thru from inside to beam flange utilizing 1/2" dia. hex bolt washer (inside channel), beveled washer and hex nut on top of flange.

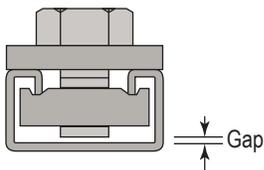


1-5/8" Deep channel type bolted thru from inside to backing plate with 3/8" dia. hex bolt, and washer; hex nut behind.

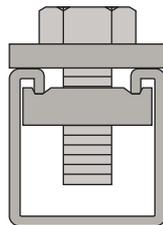
**Do not over tighten faced thru bolts.  
Utilize bolting security measures to prevent accidental loosening.**

### OVER TIGHTENING CAUTION

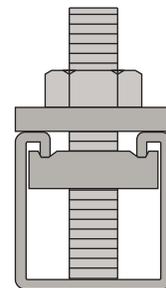
Over tightening "bottoming" a threaded fastener against the bottom of a channel section will result in serious damage and possible failure. Use proper length fasteners and leave a slight gap; fastener face to channel surface.



Shallow channel with 1/4" thick fitting and 15/16" max. bolt length.



1-5/8" Channel with 1/4" fitting and 1-1/4" working length bolt.



1-5/8" Deep Channel with 1/4" thick fitting and 1/2" all thread.

## Instructions

These surface metal raceways are intended for use in the installation of electrical wiring using external joiners. The number, type and size of conductors, which may be installed in these raceways, are tabulated in table below.

Fluorescent and Incandescent Lighting

**Consult your local, state and federal electrical code for all installations**

While the metal wire raceway cover provides electrical continuity to the base and ground wires, if screws are required, they are to be installed in the field. Installation shall conform to Strut-Type Channel Raceway and Fittings UL5B.O

Wire		Maximum Number of Electrical Wires (at 40% fill)					
Type	Gauge	W150 1 5/8" x 3 1/4" 12 gauge	W100 1 5/8" x 2 7/16" 12 gauge	W200 1 5/8" x 1 5/8" 12 gauge	W210 1 5/8" x 1 5/8" 14 gauge	W300 1 5/8" x 1 3/8" 12 gauge	W400 1 5/8" x 1 3/16" 16 gauge
FEP, FEPB	14	172	127	81	81	67	36
	12	126	92	59	59	49	26
	10	90	66	42	42	35	19
	8	51	38	24	24	20	11
	6	24	17	11	12	9	5
RH, RHH, RHW	14	52	38	24	26	20	12
	12	45	33	21	22	17	10
	10	37	27	17	18	14	8
	8	20	14	9	10	7	4
	6	14	10	6	7	5	3
T, TW	14	124	91	58	58	48	26
	12	95	70	45	45	37	20
	10	69	51	33	33	27	14
	8	36	26	17	18	14	8
	6	21	15	9	10	8	5
THHN, THWN	14	178	131	84	84	69	37
	12	130	95	61	61	50	27
	10	82	60	38	38	32	17
	8	46	34	21	22	17	10
	6	33	24	15	16	12	7
THW	14	82	61	39	39	32	17
	12	66	49	31	31	26	14
	10	52	38	24	24	20	11
	8	29	21	13	14	11	6
	6	21	15	10	10	8	5
XHHW	14	124	91	58	58	48	26
	12	95	70	45	45	37	20
	10	71	52	33	33	28	15
	8	37	27	17	19	14	8
	6	27	20	13	14	10	6

### Maximum Number Of Wires

Also suitable for the number of wires in table below when installed to support and supply electric discharge type lighting fixtures when raceway wiring is suitable for at least 70°C and clearance between fixture and raceway is at least 1/8". In all cases, a snap-in cover is required to complete the raceway enclosure.

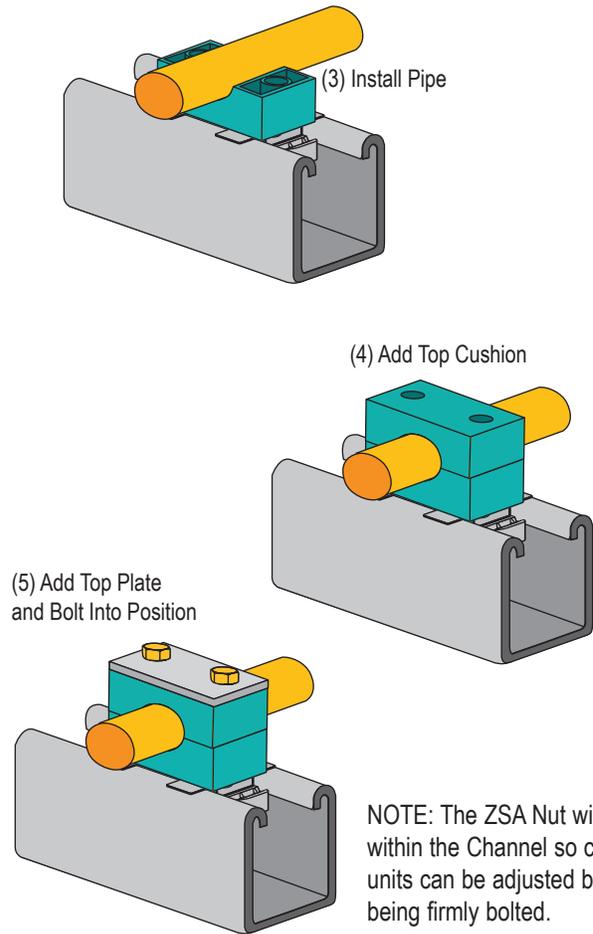
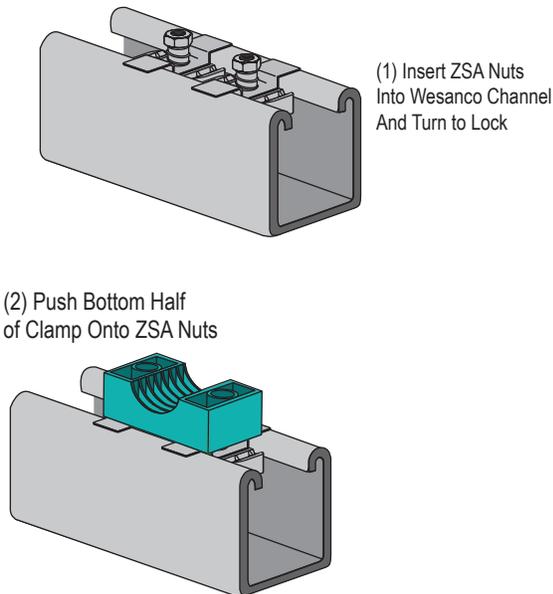
Wire Types - R, RH, T, THW, TW, TF, RUH, and RUW

Wire Size AWG	W200, W200KO W210, W210KO	W300, W300KO	W500, W500KO
14	10	10	6
12	10	10	6
10	8	6	-
8	6	4	-
6	3	2	-

## Installation on Channel

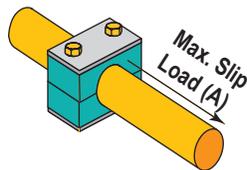
The ZSA Nuts can be used with any clamp using a 1/4"-20 mounting bolt. This includes:

- Standard-Series
- Twin-Series (T1 Only)
- Beta Rubber Inserts



NOTE: The ZSA Nut will slide within the Channel so clamp units can be adjusted before being firmly bolted.

### Maximum Slip Load

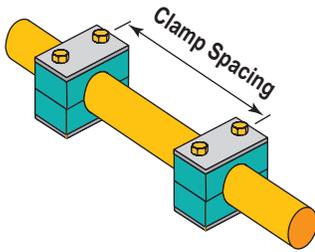


Max. Pipe Slip indicates that Sliding starts when the specified values (A) are reached.

### Beta Standard Series

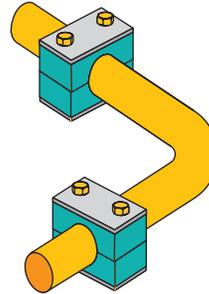
ZSI (DIN)	Hex Head Bolt UNC Thread (Metric ISO)	Polypropylene		Polyamide		Aluminium	
		Tightening Torque ft•lb (N•m)	Max. Pipe Slip lbf (kN)	Tightening Torque ft•lb (N•m)	Max. Pipe Slip lbf (kN)	Tightening Torque ft•lb (N•m)	Max. Pipe Slip lbf (kN)
S1 (1)	1/4" - 20 UNC (M6)	6 (8)	247 (11)	7 (10)	157 (7)	9 (12)	944 (42)
S2 (2)			292 (13)		180 (8)		967 (43)
S3 (3)			315 (14)		360 (16)		1,101 (49)
S4 (4)			337 (15)		382 (17)		1,124 (50)
S5 (5)			427 (19)		450 (20)		1,641 (73)
S6 (6)			450 (20)		562 (25)		2,000 (89)
S7 (7)			517 (23)		719 (32)		-

### Recommended Pipe Clamp Spacing



Pipe OD in (mm)	Spacing ft - in. (m)
0.24" - 0.5" (6 - 12.7)	3' - 3" (1)
0.5" - 0.87" (12.7 - 22)	3' - 11" (1.2)
0.87" - 1.26" (22 - 32)	4' - 11" (1.5)
1.26" - 1.5" (32 - 38)	6' - 7" (2)
1.5" - 2.24" (38 - 57)	8' - 10" (2.7)
2.24" - 2.95" (57 - 75)	9' - 10" (3)
2.95" - 3" (75 - 76.1)	11' - 6" (3.5)
3" - 3.5" (76.1 - 88.9)	12' - 2" (3.7)
3.5" - 4" (88.9 - 102)	13' - 1" (4)
4" - 4.5" (102 - 114)	14' - 9" (4.5)
4.5" - 6.6" (114 - 168)	16' - 5" (5)
6.6" - 8.6" (168 - 219)	19' - 8" (6)
8.6" - 12.8" (219 - 324)	21' - 12" (6.7)
12.8" - 14" (324 - 356)	22' - 12" (7)
14" - 16" (356 - 406)	24' - 7" (7.5)
16" - 16.5" (406 - 419)	26' - 11" (8.2)
16.5" - 20" (419 - 508)	27' - 11" (8.5)
20" - 20.5" (508 - 521)	29' - 6" (9)
20.5" - 22" (521 - 558)	32' - 10" (10)
22" - 31.5" (558 - 800)	41' - 0" (12.5)

### Recommended Clamping for Bends



Bends in the line should be clamped on BOTH sides of the bend as shown.

### BETA CLAMP MATERIAL PROPERTIES Polypropylene (PP) Cushion

Material Properties		
Density	-	0.906 g/cm <sup>3</sup>
Tensile strength	DIN 53454	25-35 N/mm <sup>2</sup>
Flexure stress limit	DIN 53452	36N N/mm <sup>2</sup>
Compressive strength	DIN 53454	90 N/mm <sup>2</sup>
Impact strength	DIN 53453	No break
Thermo Properties		
Max. temp. resistance	-30 to 90°C	
Thermal conductivity	15 x 10 <sup>-5</sup> /°C	
Linear expansion coeff.	0.22 W/[mk]	
Electrical Properties		
Specific volume	DIN 53482	1016 ohm x cm
Chemical Properties		
Consistent for weak acids, solvents, mineral oils and seawater.		

### Beta Bolt Tightening Torque

Clamp	Group	Bolt Size	Aluminum Cushion		Polypropylene Cushion		Polyamide Cushion	
			Lbf	Nm	Lbf	Nm	Lbf	Nm
Beta Standard	S1 - S7	1/4"-20	7	10	6	8	6	8
Beta Heavy	H3, H4	3/8"-16	22	30	9	12	15	20
	H5	3/8"-16	26	35	11	15	18	25
	H6	1/2"-13	41	55	29	30	30	40
	H7	5/8"-11	89	120	33	45	41	55
Beta Twin	T1	1/4"-20	-	-	4	6	4	6
	T2 - T5	5/16"-18	-	-	9	12	9	12

The outlined particulars are approximate values and are only valid as references, which are not binding, also with regard to possible protection of third parties, and they do not exempt you from your own examination of suitability of the products delivered by us. Therefore, these values can only be used in a limited sense for construction purposes. The application of the products is carried out outside our control possibilities and, therefore, is exclusively subject to your own area of responsibility. If, however, liability should be possible, it would be limited for all damages to the value of the goods supplied by us and in use by you. It goes without saying, that we guarantee the perfect quality of our products according to our general sales and delivery conditions.

Drill Sizes for NPT Pipe Taps		
Tap Size (In.)	Threads/Inch	Drill Dia. (In.)
1/8"	27	R
1/4"	18	7/16"
3/8"	18	37/64"
1/2"	14	23/32"
3/4"	14	59/64"
1"	11 1/2	1 5/32"
1 1/4"	11 1/2	1 1/2"
1 1/2"	11 1/2	1 47/64"
2"	11 1/2	2 7/32"
2 1/2"	8	2 5/8"
3"	8	3 1/4"
3 1/2"	8	3 3/4"
4"	8	4 1/4"

Tap & Drill Sizes (Unified National Coarse)		
Tap Size (In.)	Threads/Inch	Drill Size (In.)
1/4"	20	7
5/16"	18	F
3/8"	16	5/16"
7/16"	14	U
1/2"	13	27/64"
9/16"	12	31/64"
5/8"	11	17/32"
3/4"	10	21/32"
7/8"	9	49/64"
1"	8	7/8"
1 1/8"	7	63/64"
1 1/4"	7	1 1/64"
1 3/8"	6	1 1/32"
1 1/2"	6	1 1/32"
1 3/4"	5	1 9/16"
2"	4 1/2	1 25/32"

Standard Weight Pipe Data					
Nom. Diameter (In.)			Nom. Wt./Ft. (lbs.)	Length Containing One Cu. Ft.	Gallons / Linear Ft. (Gallons)
Pipe	Inside	Outside			
1/8"	0.269"	0.405"	0.245	2,526.000	0.0030
1/4"	0.364"	0.540"	0.425	1,383.800	0.0054
3/8"	0.493"	0.675"	0.568	754.360	0.0099
1/2"	0.622"	0.840"	0.851	473.910	0.0158
3/4"	0.824"	1.050"	1.131	270.030	0.0277
1"	1.049"	1.315"	1.679	166.620	0.0449
1 1/4"	1.380"	1.660"	2.273	96.275	0.0777
1 1/2"	1.610"	1.900"	2.718	70.733	0.1058
2"	2.067"	2.375"	3.653	49.913	0.1743
2 1/2"	2.469"	2.875"	5.793	30.077	0.2487
3"	3.068"	3.500"	7.580	19.479	0.3840
3 1/2"	3.548"	4.000"	9.110	14.565	0.5136
4"	4.026"	4.500"	10.790	11.312	0.6613
5"	5.047"	5.563"	14.620	7.198	1.0393
6"	6.065"	6.625"	18.970	4.984	1.5008
8"	7.981"	8.625"	28.550	2.878	2.5988
10"	10.020"	10.750"	40.480	1.826	4.0963

Copper Tube Data - Type L					
Size (In.)	O.D. (In.)	O.D. (In.)	Wall Thick. (In.)	Weight per Foot (lbs)	Weight of Water / Ft. (lbs)
1/4"	3/8"	0.375"	0.030"	0.126	0.034
3/8"	1/2"	0.500"	0.035"	0.198	0.062
1/2"	5/8"	0.625"	0.040"	0.285	0.100
5/8"	3/4"	0.750"	0.042"	0.362	0.151
3/4"	7/8"	0.875"	0.045"	0.455	0.209
1"	1 1/8"	1.125"	0.050"	0.655	0.357
1 1/4"	1 3/8"	1.375"	0.055"	0.884	0.546
1 1/2"	1 5/8"	1.625"	0.060"	1.140	0.767
2"	2 1/8"	2.125"	0.070"	1.750	1.341
2 1/2"	2 5/8"	2.625"	0.080"	2.480	2.064
3"	3 1/8"	3.125"	0.090"	3.330	2.949
3 1/2"	3 5/8"	3.625"	0.100"	4.290	3.989
4"	4 1/8"	4.125"	0.110"	5.380	5.188
5"	5 1/8"	5.125"	0.125"	7.610	8.081
6"	6 1/8"	6.125"	0.140"	10.200	11.616
8"	8 1/8"	8.125"	0.200"	19.290	20.289
10"	10 1/8"	10.125"	0.250"	30.100	31.590
12"	12 1/8"	12.125"	0.280"	40.400	45.426

Copper Tube Data - Type K					
Size (In.)	O.D. (In.)	O.D. (In.)	Wall Thick. (In.)	Weight per Foot (lbs)	Weight of Water / Ft. (lbs)
1/4"	3/8"	0.375"	0.035"	0.145	0.032
3/8"	1/2"	0.500"	0.049"	0.269	0.055
1/2"	5/8"	0.625"	0.049"	0.344	0.094
5/8"	3/4"	0.750"	0.049"	0.418	0.144
3/4"	7/8"	0.875"	0.065"	0.641	0.188
1"	1 1/8"	1.125"	0.065"	0.839	0.337
1 1/4"	1 3/8"	1.375"	0.065"	1.040	0.527
1 1/2"	1 5/8"	1.625"	0.072"	1.360	0.743
2"	2 1/8"	2.125"	0.083"	2.060	1.310
2 1/2"	2 5/8"	2.625"	0.095"	2.920	2.000
3"	3 1/8"	3.125"	0.109"	4.000	2.960
3 1/2"	3 5/8"	3.625"	0.120"	5.120	3.900
4"	4 1/8"	4.125"	0.134"	6.510	5.060
5"	5 1/8"	5.125"	0.160"	9.670	8.000
6"	6 1/8"	6.125"	0.192"	13.870	11.200
8"	8 1/8"	8.125"	0.271"	25.900	19.500
10"	10 1/8"	10.125"	0.338"	40.300	30.423
12"	12 1/8"	12.125"	0.405"	57.800	43.675

Steel Pipe Data — Schedule No 40 & 80					
Nominal Size (In.)	O.D. (In.)	Schedule No.	Wall Thick. (In.)	Weight per Foot (lbs)	Weight of Water per Foot (lbs)
3/8"	0.675"	40	0.091"	0.567	0.083
		80	0.126"	0.738	0.061
1/2"	0.840"	40	0.109"	0.850	0.132
		80	0.147"	1.087	0.101
3/4"	1.050"	40	0.113"	1.130	0.230
		80	0.154"	1.473	0.186
1"	1.315"	40	0.133"	1.678	0.374
		80	0.179"	2.171	0.311
1 1/4"	1.660"	40	0.140"	2.272	0.647
		80	0.191"	2.996	0.555
1 1/2"	1.900"	40	0.145"	2.717	0.882
		80	0.200"	3.631	0.765
2"	2.375"	40	0.154"	3.652	1.452
		80	0.218"	5.022	1.279
2 1/2"	2.875"	40	0.203"	5.790	2.072
		80	0.276"	7.660	1.834
3"	3.500"	40	0.216"	7.570	3.200
		80	0.300"	10.250	2.860
3 1/2"	4.000"	40	0.226"	9.110	4.280
		80	0.318"	12.510	3.850
4"	4.500"	40	0.237"	10.790	5.510
		80	0.337"	14.980	4.980
5"	5.563"	40	0.258"	14.620	8.660
		80	0.375"	20.780	7.870
6"	6.625"	40	0.280"	18.970	12.510
		80	0.432"	28.570	11.290
8"	8.625"	40	0.322"	28.550	21.600
		80	0.500"	43.390	19.800
10"	10.750"	40	0.365"	40.480	34.100
		80	0.593"	64.400	31.100
12"	12.75"	40	0.406"	53.600	48.500
		80	0.687"	88.600	44.000
14"	14.000"	40	0.437"	63.000	58.500
		80	0.750"	107.000	51.200
16"	16.000"	40	0.500"	83.000	76.500
		80	0.843"	137.000	69.700
18"	18.000"	40	0.563"	105.000	97.200
		80	0.937"	171.000	88.500
20"	20.000"	40	0.593"	123.000	120.400
		80	1.031"	209.000	109.400

Introduction  
Channel  
Channel Nuts & Hardware  
General Fittings  
Brackets  
Beam Clamps  
Pipe & Conduit Supports  
Electrical Fittings  
Spring Steel  
Concrete Inserts  
Roofing Supports  
Fiberglass System  
Technical Data

PVC and CPVC Pipes - Schedule 40 (inches)					
Nominal Pipe Size	Outside Diameter	Minimum Wall Thickness	Nominal Inside Diameter	Weight (lb/100 ft)	
				PVC	CPVC
1/2"	0.840"	0.109"	0.622"	16	17
3/4"	1.050"	0.113"	0.824"	21	23
1"	1.315"	0.133"	1.049"	32	34
1 1/4"	1.660"	0.140"	1.380"	43	46
1 1/2"	1.900"	0.145"	1.610"	51	55
2"	2.375"	0.154"	2.067"	68	74
2 1/2"	2.875"	0.203"	2.469"	107	118
3"	3.500"	0.216"	3.068"	141	154
4"	4.500"	0.237"	4.026"	201	220
5"	5.563"	0.258"	5.047"	273	-
6"	6.625"	0.280"	6.065"	353	386
8"	8.625"	0.322"	7.981"	539	581
10"	10.750"	0.365"	10.020"	755	824
12"	12.750"	0.406"	11.938"	1001	1089
14"	14.000"	0.438"	13.124"	1180	-
16"	16.000"	0.500"	15.000"	1543	-

PVC and CPVC Pipes - Schedule 80 (inches)					
Nominal Pipe Size	Outside Diameter	Minimum Wall Thickness	Nominal Inside Diameter	Weight (lb/100 ft)	
				PVC	CPVC
1/2"	0.840"	0.147"	0.546"	20	22
3/4"	1.050"	0.154"	0.742"	27	30
1"	1.315"	0.179"	0.957"	41	44
1 1/4"	1.660"	0.191"	1.278"	52	61
1 1/2"	1.900"	0.200"	1.500"	67	74
2"	2.375"	0.218"	1.939"	95	102
2 1/2"	2.875"	0.276"	2.323"	145	156
3"	3.500"	0.300"	2.900"	194	209
4"	4.500"	0.337"	3.826"	275	305
5"	5.563"	0.375"	4.813"	387	-
6"	6.625"	0.432"	5.761"	542	582
8"	8.625"	0.500"	7.625"	805	883
10"	10.750"	0.593"	9.564"	1200	1309
12"	12.750"	0.687"	11.376"	1650	180
14"	14.000"	0.750"	12.500"	1930	-
16"	16.000"	0.843"	14.314"	2544	-

PVC - Wall Schedule 40 - Support Spacing (feet)			
NPS (inches)	Operating Temperature (°F)		
	60	100	140
1/2"	4 1/2	4	2 1/2
3/4"	5	4	2 1/2
1"	5 1/2	4 1/2	2 1/2
1 1/4"	5 1/2	5	3
1 1/2"	6	5	3
2"	6	5	3
3"	7	6	3 1/2
4"	7 1/2	6 1/2	4
6"	8 1/2	7 1/2	4 1/2
8"	9	8	4 1/2

PVC - Wall Schedule 80 - Support Spacing (feet)			
NPS (inches)	Operating Temperature (°F)		
	60	100	140
1/2"	5	4 1/2	2 1/2
3/4"	5 1/2	4 1/2	2 1/2
1"	6	5	3
1 1/4"	6 1/2	5 1/2	3 1/2
1 1/2"	7	6	3 1/2
2"	8	7	4
3"	9	7 1/2	4 1/2
4"	10	9	5
6"	11	9 1/2	5 1/2
8"	9	8	4 1/2

Hydraulic Hose - No Skive SAE 100R1 Type AT				
SAE Number	Hose I.D.		Hose O.D.	
	(in.)	(mm)	(in.)	(mm)
SAE-3	3/16"	5.0	0.46"	12
SAE-4	1/4"	6.3	0.53"	13
SAE-5	5/16"	8.0	0.59"	15
SAE-6	3/8"	10.0	0.68"	17
SAE-8	1/2"	12.5	0.81"	21
SAE-10	5/8"	16.0	0.94"	24
SAE-12	3/4"	19.0	1.09"	28
SAE-16	1"	25.0	1.41"	36
SAE-20	1-1/4"	31.5	1.79"	45
SAE-24	1-1/2"	38.0	2.00"	51
SAE-32	2"	51.0	2.54"	64

Hydraulic Hose - No Skive SAE 100R2 Type AT - ISO 1436 Type 2AT - EN 853 Type 2SN				
SAE Number	Hose I.D.		Hose O.D.	
	(in.)	(mm)	(in.)	(mm)
SAE-4	1/4"	6.3	0.53"	13
SAE-5	5/16"	8.0	0.59"	15
SAE-6	3/8"	10.0	0.68"	17
SAE-8	1/2"	12.5	0.81"	21
SAE-10	5/8"	16.0	0.94"	24
SAE-12	3/4"	19.0	1.09"	28
SAE-16	1"	25.0	1.41"	36
SAE-20	1-1/4"	31.5	1.79"	45
SAE-24	1-1/2"	38.0	2.00"	51
SAE-32	2"	51.0	2.54"	64

Hydraulic Hose - SAE 100R16 Type AT				
SAE Number	Hose I.D.		Hose O.D.	
	(in.)	(mm)	(in.)	(mm)
SAE-4	1/4"	6.3	0.53"	13
SAE-5	5/16"	8.0	0.59"	15
SAE-6	3/8"	10.0	0.68"	17
SAE-8	1/2"	12.5	0.81"	21
SAE-10	5/8"	16.0	0.94"	24
SAE-12	3/4"	19.0	1.09"	28
SAE-16	1"	25.0	1.41"	36

Hydraulic Hose - No Skive SAE 100R17 Abrasion Resistant "Tough Cover" and "Super Tough" Cover				
SAE Number	Hose I.D.		Hose O.D.	
	(in.)	(mm)	(in.)	(mm)
SAE-4	1/4"	6.3	0.53"	13
SAE-6	3/8"	10.0	0.68"	17
SAE-8	1/2"	12.5	0.81"	21
SAE-10	5/8"	16.0	0.94"	24
SAE-12	3/4"	19.0	1.09"	28
SAE-16	1"	25.0	1.41"	36
SAE-20	1-1/4"	31.5	1.79"	45

# Fraction Conversion Table



Fractions	Decimal (in)	Metric (mm)									
1/64	0.016"	0.40	23/32	0.719"	18.26		2.165"	55	3 7/8	3.875"	98.43
1/32	0.031"	0.79	47/64	0.734"	18.65	2 3/16	2.188"	55.56	3 29/32	3.906"	99.22
	0.039"	1		0.748"	19	2 7/32	2.219"	56.36		3.937"	100
3/64	0.047"	1.19	3/4	0.750"	19.05	2 1/4	2.250"	57.15	3 15/16	3.938"	100.01
1/16	0.063"	1.59	49/64	0.766"	19.45	2 9/32	2.281"	57.94	3 31/32	3.969"	100.81
5/64	0.078"	1.98	25/32	0.781"	19.84	2 5/16	2.313"	58.74	4	4"	101.60
	0.079"	2		0.787"	20	2 11/32	2.344"	59.53	4 1/16	4.063"	103.19
3/32	0.094"	2.38	51/64	0.797"	20.24		2.362"	60	4 1/8	4.125"	104.78
7/64	0.109"	2.78	13/16	0.813"	20.64	2 3/8	2.375"	60.33	4 3/16	4.188"	106.36
	0.118"	3	53/64	0.828"	21.03	2 13/32	2.406"	61.12	4 1/4	4.250"	107.95
1/8	0.125"	3.18	27/32	0.844"	21.43	2 7/16	2.438"	61.91	4 5/16	4.313"	109.54
9/64	0.141"	3.57	55/64	0.859"	21.83	2 15/32	2.469"	62.71		4.331"	110
5/32	0.156"	3.97	7/8	0.875"	22.23	2 1/2	2.500"	63.50	4 3/8	4.375"	111.13
	0.157"	4	57/64	0.891"	22.62	2 11/32	2.531"	64.29	4 7/16	4.438"	112.71
11/64	0.172"	4.37	29/32	0.906"	23		2.559"	65	4 1/2	4.500"	114.30
3/16	0.188"	4.76	59/64	0.922"	23.42	2 9/16	2.563"	65.09	4 9/16	4.563"	115.89
	0.197"	5	15/16	0.938"	23.81	2 19/32	2.594"	65.88	4 5/8	4.625"	117.48
13/64	0.203"	5.16	61/64	0.953"	24.21	2 5/8	2.625"	66.68	4 11/16	4.688"	119.06
7/32	0.219"	5.56	31/32	0.969"	24.61	2 21/32	2.656"	67.47		4.724"	120
15/64	0.234"	5.95	63/64	0.984"	25	2 11/16	2.688"	68.26	4 3/4	4.750"	120.65
	0.236"	6	1	1"	25.40	2 23/32	2.719"	69.06	4 13/16	4.813"	122.24
1/4	0.250"	6.35	1 1/32	1.031"	26.19	2 3/4	2.750"	69.85	4 7/8	4.875"	123.83
17/64	0.266"	6.75	1 1/16	1.063"	26.99		2.756"	70	4 15/16	4.938"	125.41
	0.276"	7	1 3/32	1.094"	27.78	2 25/32	2.781"	70.64	5	5"	127.00
9/32	0.281"	7.14	1 1/8	1.125"	28.58	2 13/16	2.813"	71.44		5.118"	130
19/64	0.297"	7.54	1 5/32	1.156"	29.37	2 27/32	2.844"	72.23	5 1/4	5.250"	133.35
5/16	0.313"	7.94		1.181"	30	2 7/8	2.875"	73.03	5 1/2	5.500"	139.70
	0.315"	8	1 3/16	1.188"	30.16	2 29/32	2.906"	73.82		5.512"	140
21/64	0.328"	8.33	1 7/32	1.219"	30.96	2 15/16	2.938"	74.61	5 3/4	5.750"	146.05
11/32	0.344"	8.73	1 1/4	1.250"	31.75		2.953"	75		5.906"	150
	0.354"	9	1 9/32	1.281"	32.54	2 31/32	2.969"	75.41	6	6"	152.40
23/64	0.359"	9.13	1 5/16	1.313"	33.34	3	3"	76.20	6 1/4	6.250"	158.75
3/8	0.375"	9.53	1 11/32	1.344"	34.13	3 1/32	3.031"	76.99		6.299"	160
25/64	0.391"	9.92	1 3/8	1.375"	34.93	3 1/16	3.063"	77.79	6 1/2	6.500"	165.10
	0.394"	10		1.378"	35	3 3/32	3.094"	78.58		6.693"	170
13/32	0.406"	10.32	1 13/32	1.406"	35.72	3 1/8	3.125"	79.38	6 3/4	6.750"	171.45
27/64	0.422"	10.72	1 7/16	1.438"	36.51		3.150"	80	7	7"	177.80
	0.433"	11	1 15/32	1.469"	37.31	3 5/32	3.156"	80.17		7.087"	180
7/16	0.438"	11.11	1 1/2	1.500"	38.10	3 3/16	3.188"	80.96		7.480"	190
29/64	0.453"	11.51	1 17/32	1.531"	38.89	3 7/32	3.219"	81.76	7 1/2	7.500"	190.50
15/32	0.469"	11.91	1 9/16	1.563"	39.69	3 1/4	3.250"	82.55		7.874"	200
	0.472"	12		1.575"	40	3 3/32	3.281"	83.34	8	8"	203.20
31/64	0.484"	12.30	1 19/32	1.594"	40.48	3 5/16	3.313"	84.14	8 1/2	8.500"	215.90
1/2	0.500"	12.70	1 5/8	1.625"	41.28	3 11/32	3.344"	84.93	9	9"	228.60
	0.512"	13	1 21/32	1.656"	42.07		3.346"	85	9 1/2	9.500"	241.30
33/64	0.516"	13.10	1 11/16	1.688"	42.86	3 3/8	3.375"	85.73		9.843"	250
17/32	0.531"	13.49	1 23/32	1.719"	43.66	3 13/32	3.406"	86.52	10	10"	254.00
35/64	0.547"	13.89	1 3/4	1.750"	44.45	3 7/16	3.438"	87.31	11	11"	279.40
	0.551"	14		1.772"	45	3 15/32	3.469"	88.11		11.811"	300
9/16	0.563"	14.29	1 25/32	1.781"	45.24	3 1/2	3.500"	88.90	12	12"	304.80
37/64	0.578"	14.68	1 13/16	1.813"	46.04	3 17/32	3.531"	89.69	13	13"	330.20
	0.591"	15	1 27/32	1.844"	46.83		3.543"	90		13.780"	350
19/32	0.594"	15.08	1 7/8	1.875"	47.63	3 9/16	3.563"	90.49	14	14"	355.60
39/64	0.609"	15.48	1 29/32	1.906"	48.42	3 19/32	3.594"	91.28	15	15"	381.00
5/8	0.625"	15.88	1 15/16	1.938"	49.21	3 5/8	3.625"	92.08		15.748"	400
	0.630"	16		1.969"	50	3 21/32	3.656"	92.87	16	16"	406.40
41/64	0.641"	16.27	1 31/32	1.969"	50.01	3 11/16	3.688"	93.66	17	17"	431.80
21/32	0.656"	16.67	2	2"	50.80	3 23/32	3.719"	94.46		17.717"	450
	0.669"	17	2 1/32	2.031"	51.59		3.740"	95	18	18"	457.20
43/64	0.672"	17.07	2 1/16	2.063"	52.39	3 3/4	3.750"	95.25	19	19"	482.60
11/16	0.688"	17.46	2 3/32	2.094"	53.18	3 25/32	3.781"	96.04		19.685"	500
45/64	0.703"	17.86	2 1/8	2.125"	53.98	3 13/16	3.813"	96.84	20	20"	508.00
	0.709"	18	2 5/32	2.156"	54.77	3 27/32	3.844"	97.63			

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# Florida Strut to Wesanco

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