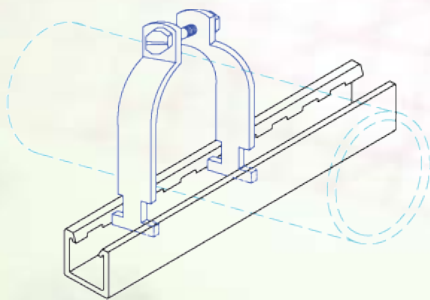
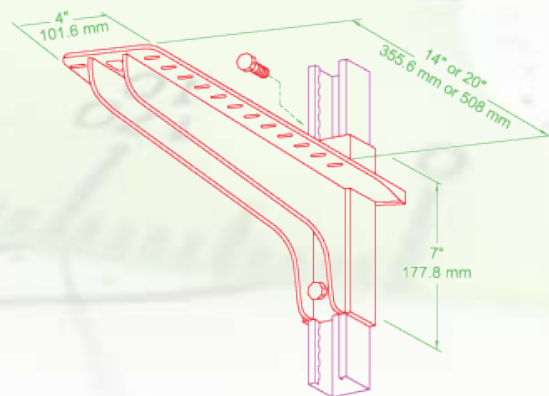
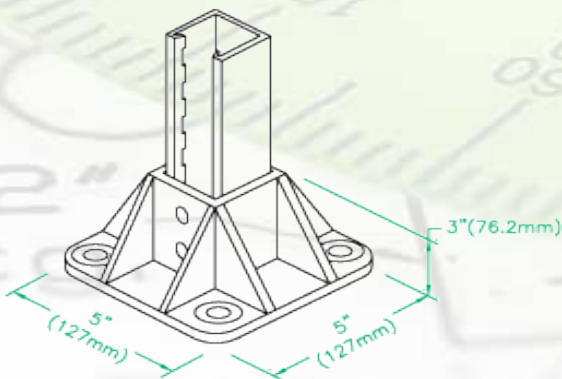


# **CORROSION RESISTANT MECHANICAL AND ELECTRICAL SUPPORT SYSTEMS**



- **Fiberglass Channel Systems**
- **Pipe Clamps**
- **Clevis Hangers**
- **Angle Fittings**
- **Post Bases**
- **Flat Plate Fittings**
- **Plastic Fasteners**
- **Cable and Conduit Support**
- **Fiberglass Structural Shapes**



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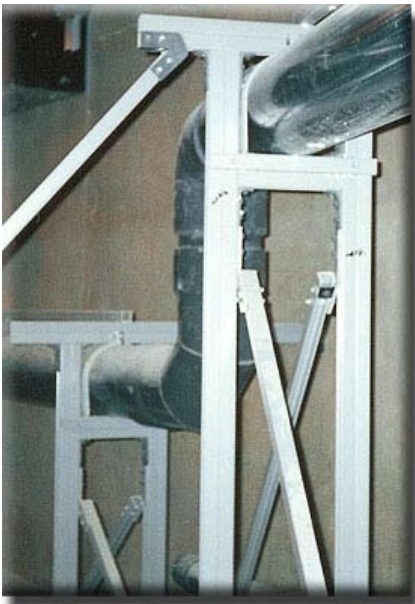
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Version 1.4

## About StrutTech

StrutTech's use of its patented non-slip technology provides a mechanical connection between channel framing and accessories. For vertical load applications this technology eliminates the additional material and labor costs for "stop-lock" assemblies required in all other non-metallic strut systems.

- Non-Slip & Non Metallic
- Interchangeable with Industry Standard Channel Systems
- Light Weight
- Easy to cut and fabricate
- Cost competitive
- Corrosion Resistant



## StrutTech 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.

## StrutTech Services

We have engineering assistance available and offer custom fabrication to solve you toughest support problems!



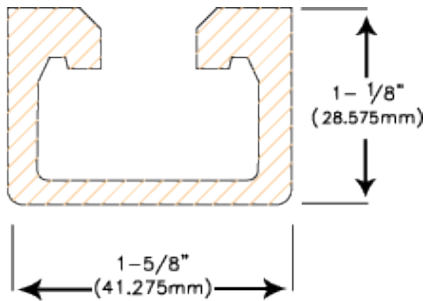
StrutTech channel framing can be used in various industries:



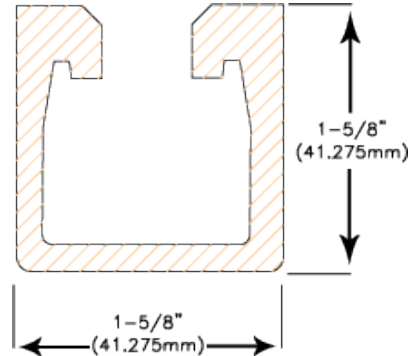
- Chemical Plants
- Bio Tech Industry
- Oil Refineries
- Electronics Industry
- Food Processing
- Water Treatment
- Water Desalination
- Sewage Treatment Plants
- Aquaculture
- Metal Processing
- Metal Plating Facilities
- Marinas
- Bridge Utility Structures
- Shipbuilding
- Greenhouses
- Underground Vaults
- Electrical Applications
- Server Farm Industry

## Channel Systems

### 100 Series Fiberglass



### 200 Series Fiberglass



#### Primary Uses

- Wall mounting
- Floor mounting
- Ceiling mounting
- Short span applications

#### Primary Uses

- Wall mounting
- Floor mounting
- Ceiling mounting
- Long span applications

Standard Lengths: 10 Feet  $\pm$  1/4". Also available in 20 Foot Lengths.  
Short lengths available for a nominal cutting charge.

### Ordering Legend

Struttech Part No. Designations Prior to Series Number

- U - Universal Size Channel Frame
- PF - Polyester Fire Rated Fiberglass\*
- VF - Vinylester Fire Rated Fiberglass\*

\* See Material Selection Guide and Chemical Resistance Guide

Struttech Part No. Designations After Series Number

- N - Notched Channel Frame available only in 200 Series
- UN - Un-notched Channel Frame available in both 100 and 200 Series

#### Example: UPF 200 N

Universal Polyester Fire Rated 200Series Notched Channel

## Materials Selection Guide For Channel

Struttech fiberglass channels are produced in two resins, Polyester (PF) and Vinylester (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
- - 30 Degrees F to +150 Degrees F Temperature Range
- Standard Color Gray

### Vinylester

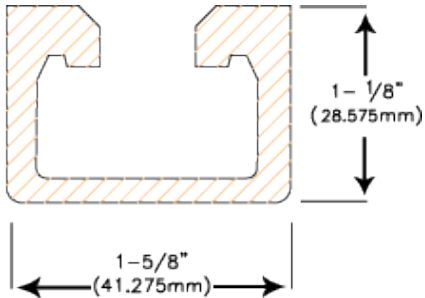


- Premium Grade
- Excellent Corrosion Resistance
- -35 Degrees F to +200 Degrees F Temperature Range
- Standard Color Beige

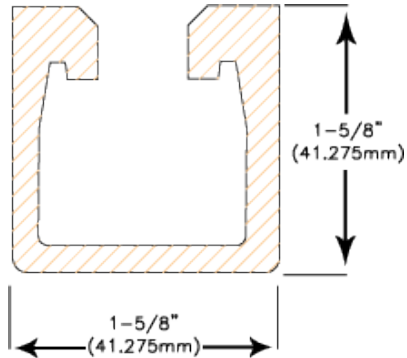


## Channel Series Configurations

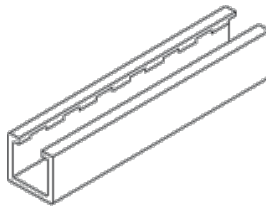
### 100 Series Fiberglass



### 200 Series Fiberglass

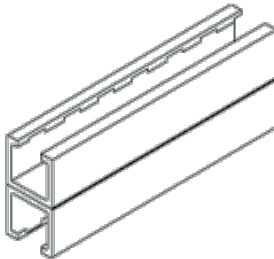


#### STD CHANNEL Series 100



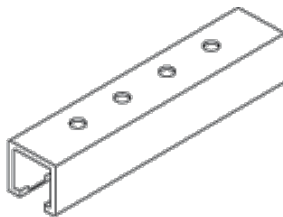
#### STD CHANNEL Series 200

#### BACK TO BACK Series 102\*



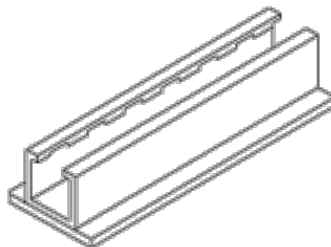
#### BACK TO BACK Series 202

#### CHANNEL w/ 3/8" Dia Holes @ 2" OC Series 104\*



#### CHANNEL w/ 3/8" Dia Holes @ 2" OC Series 204

#### CHANNEL w/ CONCRETE-INSERT Series 106\*

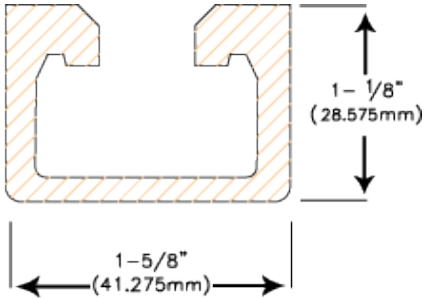


#### CHANNEL w/ CONCRETE-INSERT Series 206

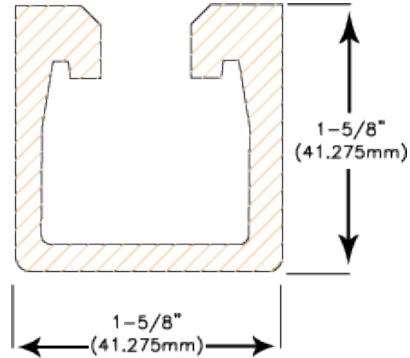
\*100 Series **StrutTech** available only in Un-notched

## Optional Channel Series Configurations

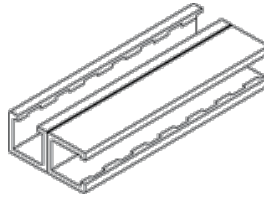
### 100 Series Fiberglass



### 200 Series Fiberglass

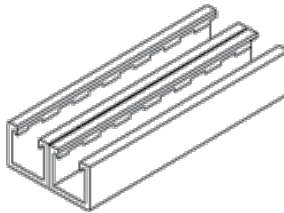


**SIDE TO BACK**  
**Series 108\***



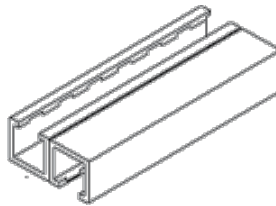
**SIDE TO BACK**  
**Series 208**

**SIDE BY SIDE**  
**Series 110\***



**SIDE BY SIDE**  
**Series 210**

**INVERTED**  
**Series 112\***



**INVERTED**  
**Series 212**

\*100 Series **StrutTech** available only in Un-notched



## Elements of Sections

<b>StrutTech Design Data:</b>					<b>X-X Axis</b>			<b>Y-Y Axis</b>		
<b>CHANNEL SERIES</b>	<b>WIDTH in</b>	<b>HEIGHT in</b>	<b>WEIGHT lbs/FT</b>	<b>AREA in<sup>2</sup></b>	<b>I in<sup>4</sup></b>	<b>r in</b>	<b>c in</b>	<b>I in<sup>4</sup></b>	<b>r in</b>	<b>c in</b>
100	1.625	1.125	0.540	0.624	0.100	0.400	0.563	0.240	0.625	0.812
102	1.625	2.250	1.080	1.248	0.457	0.520	1.125	0.480	0.625	0.810
200	1.625	1.625	0.650	0.750	0.293	0.625	0.813	0.330	0.687	0.812
202	1.625	3.250	1.300	1.500	1.670	0.812	1.625	0.660	0.687	0.812

### Notes:

Ultimate Design Flexural: 40,000 psi (longitudinal)  
 Modulus of elasticity=E= 3,000,000 psi (longitudinal)  
 Max. Design Deflection=  $L / 60$   
 Min. Design Deflection=  $L / 180$   
 Minimum Safety Factor= 4:1

Published design loads are based on usage at 70 degrees F. (21 degrees C)  
 See Table for reduction of load for increased temperature applications.

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 4:1

**\*\*Load exceeds** maximum allowable stress for 4:1 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 4:1. 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 4x.

## Channel Load Tables

### Series 200 1 5/8" StrutTech Single Channel

Span		MAXIMUM Uniform Load				Uniform Load for Max Deflection of:												Column Load
						Length / 60				Length / 120				Length / 180				
Inches		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		
Millimeters		lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in
12"	305 mm	193	2322	0.06	1.5	**	**	0.20	5.0	**	**	0.10	2.5	195	2340	0.07	1.7	2800
18"	457 mm	86	1553	0.14	3.5	**	**	0.30	7.6	95	1710	0.15	3.8	65	1170	0.10	2.5	1250
24"	610 mm	49	1170	0.25	6.4	**	**	0.40	10.2	39	936	0.20	5.0	26	624	0.13	3.4	700
30"	762 mm	31	923	0.41	10.4	**	**	0.50	12.7	20	480	0.25	6.4	14	400	0.17	4.3	450
36"	914 mm	22	783	0.56	14.2	**	**	0.60	15.2	11.5	420	0.30	7.6	8	280	0.20	5.0	310
***	48"	12	576	1.00	25.4	10	480	0.80	20.3	5	240	0.40	10.2	3.5	160	0.27	6.9	175
***	60"	8	450	1.60	40.6	5	300	1.00	25.4	2.5	150	0.50	12.7	2	100	0.33	8.4	115
***	72"	5.3	378	2.25	57.2	3	210	1.20	30.5	1.5	105	0.60	15.2	1	70	0.40	10.2	75

- Factor of Safety 4:1

# Series 202 1 5/8" StrutTech Back to Back Channel

Span	MAXIMUM Uniform Load				Uniform Load for Max Deflection of:												Column Load
					Length / 60				Length / 120				Length / 180				
Inches	w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		Load
Millimeters	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in
12" 305 mm	571	6850	0.03	0.8	**	**	0.20	5.0	**	**	0.10	2.5	**	**	0.07	1.7	5600
18" 457 mm	254	4567	0.07	1.8	**	**	0.30	7.6	550	9900	0.15	3.8	385	6927	0.10	2.5	2500
24" 610 mm	143	3425	0.12	3.1	**	**	0.40	10.2	232	5568	0.20	5.0	162	3897	0.13	3.4	1400
30" 762 mm	91	2740	0.19	4.9	**	**	0.50	12.7	118	3540	0.25	6.4	83	2494	0.17	4.3	900
36" 914 mm	63	2284	0.28	7.0	**	**	0.60	15.2	68	2448	0.30	7.6	48	1731	0.20	5.0	620
***					**	**											
48" 1219mm	36	1713	0.50	12.6	58	2784	0.80	20.3	29	1392	0.40	10.2	20	974	0.27	6.9	360
***					**	**											
60" 1524mm	23	1370	0.77	19.7	30	1800	1.00	25.4	15	900	0.50	12.7	10.4	623	0.33	8.4	230
***																	
72" 1829mm	16	1141	1.12	28.4	17	1224	1.20	30.5	8.6	619	0.60	15.2	6	433	0.40	10.2	150

- Factor of Safety 4:1

# Series - 100 1" StrutTech Single Channel

Span		MAXIMUM Uniform Load				Uniform Load for Max Deflection of:												Column Load
						Length / 60				Length / 120				Length / 180				
Inches		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		
Millimeters		lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in
										**	**							
12"	305 mm	83.0	1000	0.09	2.2	**	**	0.20	5.0	92.6	1111	0.10	2.5	65.0	778	0.07	1.7	860
18"	457 mm	37.0	670	0.20	5.1	56.0	1000	0.30	7.6	28.0	503	0.15	3.8	18.6	335	0.10	2.5	380
24"	610 mm	21.0	504	0.36	9.0	23.3	560	0.40	10.2	11.7	280	0.20	5.0	7.6	182	0.13	3.4	215
30"	762 mm	13.5	403	0.56	14.1	12.0	360	0.50	12.7	6.0	180	0.25	6.4	4.1	123	0.17	4.3	140
36"	914 mm	9.5	336	0.80	20.3	7.0	252	0.60	15.2	3.5	126	0.30	7.6	2.3	85	0.20	5.0	95

- Factor of Safety 4:1

# Series - 102 1" StrutTech Back to Back Channel

Span		MAXIMUM Uniform Load				Uniform Load for Max Deflection of:												Column Load
						Length / 60				Length / 120				Length / 180				
		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		w	wl	Deflection		
Inches	Millimeters	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in	lbs	in	mm	lbs/in
12"	305 mm	225	2700	0.04	1.1	**	**	0.20	5.0	**	**	0.10	2.5	**	**	0.07	1.7	3900
18"	457 mm	100	1800	0.10	2.5	**	**	0.30	7.6	**	**	0.15	3.8	100	1800	0.10	2.5	1740
24"	610 mm	56	1350	0.18	4.4	**	**	0.40	10.2	**	**	0.20	5.0	40	970	0.13	3.4	980
30"	762 mm	36	1080	0.28	7.0	**	**	0.50	12.7	32	965	0.25	6.4	22	650	0.17	4.3	625
36"	914 mm	25	900	0.40	10.0	**	**	0.60	15.2	19	675	0.30	7.6	13	450	0.20	5.0	435
48"	1219 mm	14	475	0.70	18.0	**	**	0.80	20.3	8	385	0.40	10.2	5.5	250	0.27	6.9	245
60"	1524 mm	9	540	1.11	28.0	8	480	1.00	25.4	4	240	0.50	12.7	3	160	0.33	8.4	155
72"	1829 mm	6	450	1.53	38.0	5	360	1.20	30.5	2.5	170	0.60	15.2	1.5	110	0.40	10.2	105

- Factor of Safety 4:1

## Chemical Resistance Chart

Use the following guide to determine which material in the StrutTech system provides the best performance for your application.

### Material Designation

PF Polyester Fire Rated Fiberglass  
VF Vynylester Fire Rated Fiberglass  
PU Polyurethane

### Legend

NR Indicates "not Recommended for use"  
R Indicates "Recommended"  
— Indicates no information available

## Chemical Chart

	PF			VF			PU	
	70F	160F		70F	160F		70F	160F
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		-	-
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	-



StrutTech

## Chemical Chart

	PF			VF			PU	
	70F	160F		70F	160F		70F	160F
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	-
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% H <sub>2</sub> SO <sub>4</sub> )	R	R		R	R		R	-
Phosphoric Acid, (115% P <sub>2</sub> O <sub>5</sub> )	NR	NR		R	R		-	-
Phosphoric Acid, vapor & 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	-

## Chemical Chart

	PF			VF			PU	
	70F	160F		70F	160F		70F	160F
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	-
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	R	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	NR	NR		R	R		-	-
Zinc Chloride	R	R		R	R		-	-

**Note:**

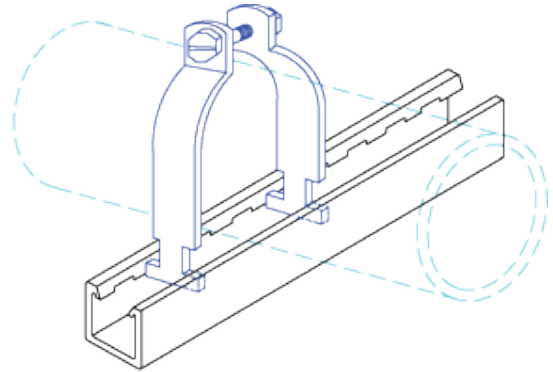
The recommendations contained in this guide are made without representation as to results. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by **StrutTech**, as to the effects of such use or the results to be obtained nor does **StrutTech** assume any liability 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.



## Pipe Clamp Selection

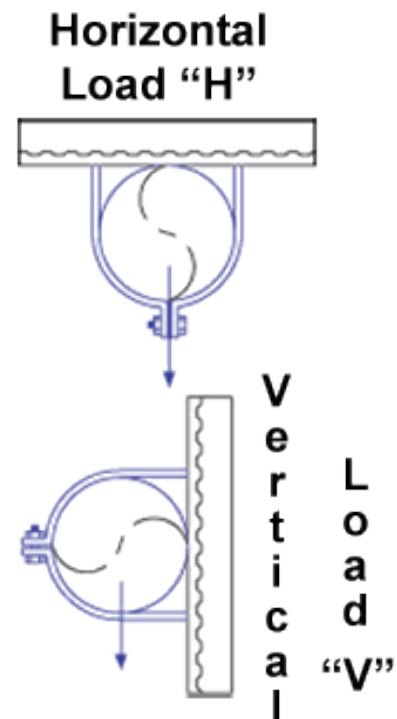
### Fixed Pipe Clamps

- Non-Slip in StrutTech Notched Channel
- Interchangeable with Industry Standard Channel Framing
- Non-Metallic Clamps with Fasteners included
- Stainless Steel or Non-Metallic Fasteners
- Clamps fit sizes ½" to 8"
- Ease of Installation
- No Special tools required
- Highly Corrosion Resistant: See Chemical Compatibility Table, Type PU



### Fixed Pipe Clamps Order Information

- Standard clamp material is Polyurethane (PU)
- Standard Fasteners are Stainless 316.
- Polyurethane Fasteners available (Substitute PU for SS in part number)



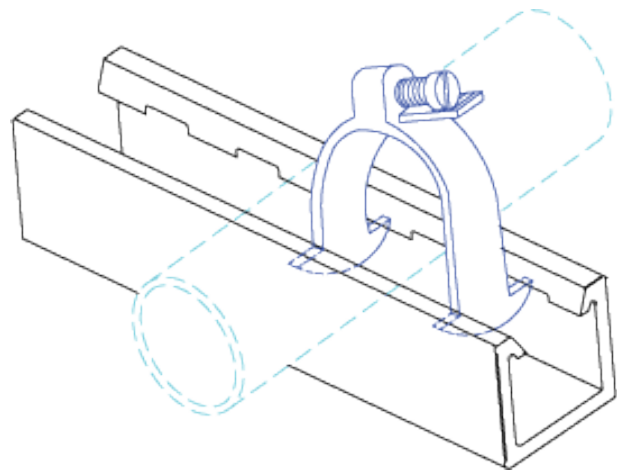
## Fixed Pipe Clamps Order Information

<b>StrutTech Part #</b>	<b>Pipe Size (mm)</b>	<b>Pipe O.D. (mm)</b>	<b>Design Load H</b>	<b>Design Load V</b>
UFCPU50SS	1/2" (12.70)	.84" (21.34)	160	60
UFCPU75SS	3/4" (19.05)	1.050" (26.67)	160	70
UFCPU100SS	1" (25.40)	1.315" (33.40)	195	90
UFCPU125SS	1 1/4" (31.75)	1.660" (42.16)	215	115
UFCPU150SS	1 1/2" (38.10)	1.900" (48.26)	240	115
UFCPU200SS	2" (50.80)	2.375" (60.32)	250	125
UFCPU250SS	2 1/2" (60.50)	2.875" (70.02)	265	125
UFCPU300SS	3" (76.02)	3.500" (88.90)	285	145
UFCPU400SS	4" (101.60)	4.500" (114.30)	340	150
UFCPU500SS	5" (127.00)	5.563" (141.30)	365	160
UFCPU600SS	6" (152.40)	6.625" (168.27)	405	170
UFCPU800SS	8" (203.20)	8.625" (219.07)	420	185

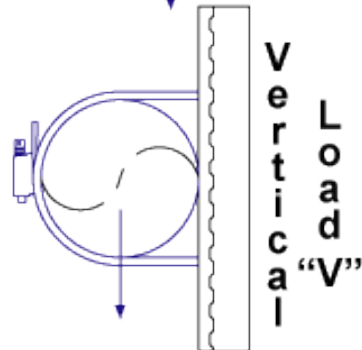
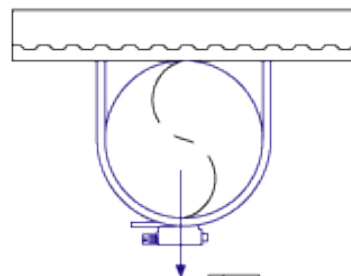
- Design loads are based on minimum ultimate clamp failure safety factor of 3:1
- Vertical Load Ratings achieved using Non Slip 'Notched' StrutTech Channel only
- Load Ratings based on PU Fasteners. Higher load ratings are typically achieved with SS Fasteners

## Adjustable Pipe Clamps

- Non-Slip in StrutTech Notched Channel
- 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" (15 mm to 88.9 mm)
- Larger sizes available for non-load bearing applications
- Simple installation
- No Special Tools Required
- Highly Corrosion Resistant: See Chemical Compatibility Table, Type PU



**Horizontal Load "H"**



## Adjustable Pipe Clamp Chart

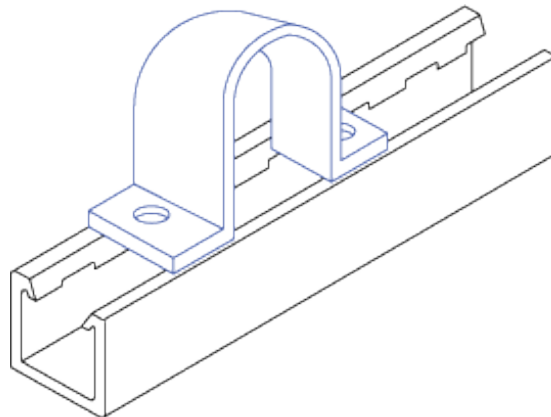
<b>StrutTech® Part #</b>	<b>Pipe Size</b>	<b>Pipe O.D.</b>	<b>Design Load H</b>	<b>Design Load V</b>	<b>Maximum Torque</b>
AC-50	1/2" to 3/4"	.75 TO 1.05	135	70	15 in-lbs
AC-100	1" to 1 1/2"	1.05" to 1.90"	150	125	22 in-lbs
AC-200	1 1/2" to 2 1/2"	1.90" to 2.87"	150	125	22 in-lbs
AC-300	2 1/2" to 3 1/2"	2.87" to 4.00"	150	125	22 in-lbs

- Design loads are based on minimum ultimate clamp failure safety factor of 3:1
- Vertical Load Rating using StrutTech Notched Channel only

Note: Standard bag quantity of 25 each

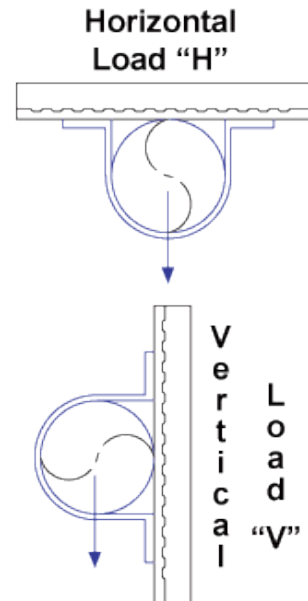
## Two Hole Pipe Straps

- Non-Slip in StrutTech Notched Channel
- Non-Metallic
- Stainless Steel or Non-Metallic Fasteners
- Straps fit sizes 2" to 6" (50.8 to 152.4 mm)
- Mount to StrutTech channel or directly to other surfaces
- Highly Corrosion Resistant: See Chemical Compatibility Table
- Design Loads are stated for Horizontal and Vertical applications
- Higher design loads possible when mounted to solid surface. Consult factory



## Two Hole Pipe Straps Order Information

- Standard strap material is Polyurethane, Polyester is available (substitute PF for PU in part number)
- Fasteners are separate order items



<b>StrutTech Part #</b>	<b>Pipe Size (mm)</b>	<b>Pipe O.D. (mm)</b>	<b>Design Load H</b>	<b>Design Load V</b>
PSPU200	2" (50.8)	2.375" (60.325)	175	125
PSPU300	3" (76.2)	3.500" (88.9)	200	125
PSPU400	4" (101.6)	4.500" (114.3)	200	125
PSPU600	6" (152.4)	6.625" (168.275)	225	125

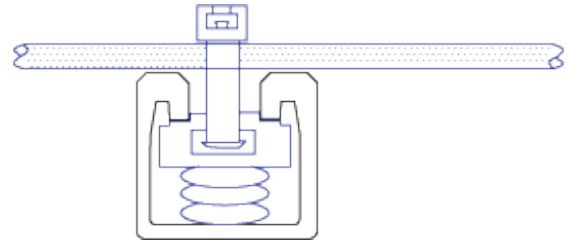
- Design loads are based on minimum ultimate clamp failure safety factor of 3:1
- Vertical Load Rating using StrutTech Notched Channel only

Note: Standard bag quantity of 25 each for sizes 2" thru 4"

Note: "CF" = Call factory for design assistance

## Adjustable Tubing Clamps

Designed for supporting process and instrumentation tubing under  $\frac{3}{4}$ " in diameter. Industry standard cable ties are held in place with modified StrutTech spring nuts.



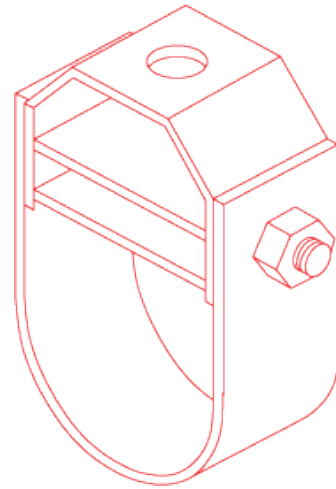
- Non-Slip in StrutTech Notched Channel
- Non-Metallic
- Clamps fit tubing under  $\frac{3}{4}$ "
- Simple Installation
- No Special Tools Required
- Highly Corrosion Resistant:  
See Chemical Compatibility Table,  
Type PU

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Channel Size</b>	<b>Design Load H</b>	<b>Design Load V</b>
ABSN100PU	Attachment Block for Cable Tie	1"		
ABSN200PU	Attachment Block for Cable Tie	1 5/8"		
CT084PP50	Polypropylene Cable Tie 8.5" Long	1" & 1 5/8"	20	10

Note: Standard bag quantity of 25 each

## Clevis Hangers

- Sizes 1" to 4" Injection molded Polyester PF (Black) or Polyurethane PU (Gray)
- Size 6" Injection molded Polyurethane PU (Gray)
- Sizes 8" to 24" Fiberglass Polyester PF and Vinylester VF. Call factory for pricing and availability
- See Chemical Resistant Chart for material selection
- No special tools required
- StrutTech design loads are given in pounds with 3:1 Factor of Safety



StrutTech® Part #	Pipe Size	Hanger O.D.	Hanger Rod Dia.	Load lbs.
CH100PF	1/2" to 1"	1 1/2"	3/8"	225
CH100PU	1/2" to 1"	1 1/2"	3/8"	225
CH200PF	1 1/4" to 2"	2 1/2"	1/2"	280
CH200PU	1 1/4" to 2"	2 1/2"	1/2"	280
CH300PF	2 1/2" to 3"	3 7/8"	1/2"	550
CH300PU	2 1/2" to 3"	3 7/8"	1/2"	550
CH400PF	3 1/2" to 4"	5"	1/2"	650
CH400PU	3 1/2" to 4"	5"	1/2"	650
CH600PU	4 1/2" to 6"	7"	1/2"	1000

**Note:** Sizes 8" to 24" available. Call factory for pricing and availability



## Pipe Rollers

StrutTech Heavy Duty corrosion resistant pipe rollers are manufactured for supporting steel, iron, fiberglass, and plastic pipe which are subject to expansion and contraction. Roller supports and axles are Vinylester. Design load per roller as stated with a 3:1 safety factor.

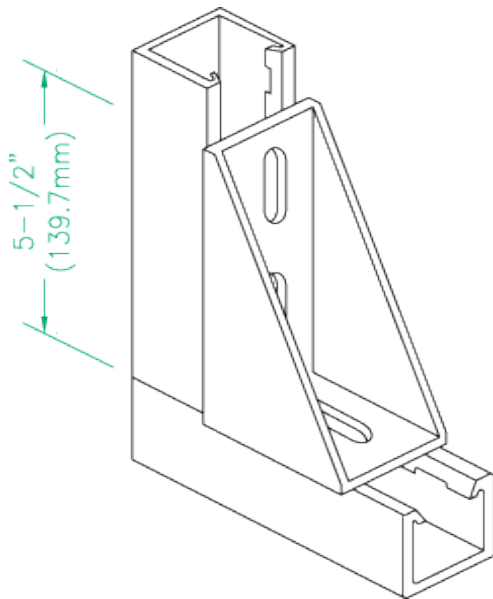
- Design loads are given in pounds at 120 degrees F.
- No special tools required



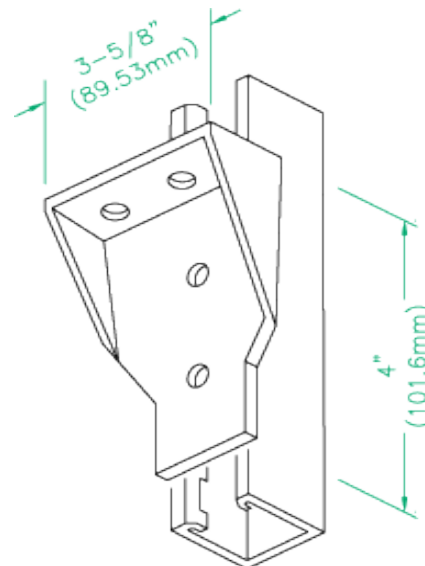
<b>StrutTech® Part #</b>	<b>Pipe Size (mm)</b>	<b>Pipe O.D.</b>	<b>Load lbs.</b>
ANR200	2" (50.8)	2.375"	200
ANR300	3" (76.2)	3.5"	300
ANR400	4" (101.6)	4.5"	400
ANR500	5" (127)	5.563"	400
ANR600	6" (152.4)	6.625"	400
ANR800	8" (203.2)	8.625"	500
ANR1000	10" (254)	10.75"	500
ANR1200	12" (304.8)	12.750"	600
ANR1400	14" (355.6)	14"	600
ANR1600	16" (406.4)	16"	700

## Angle Fittings

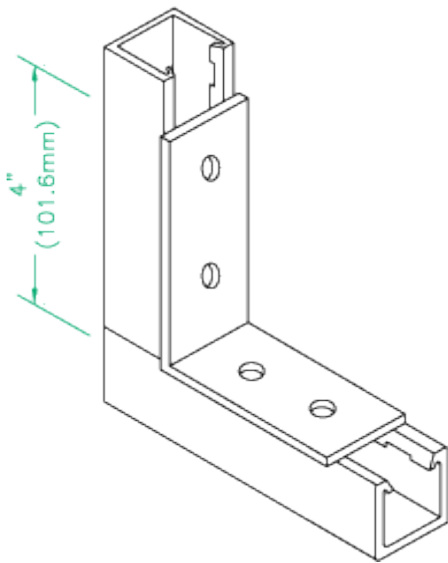
- Industry standard angle fittings for fabricating structures with StrutTech channel
- Fittings can be attached using either SS or PU bolts with StrutTech Channel or Spring Nuts or through bolting to strut back or side walls
- Highly Corrosion Resistant. See Chemical Resistant Chart
- Standard fitting material is either Polyester **PF** or Polyurethane **PU**
- **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 # CS375PVC for 3/8" bolts and part # CS500PVC for 1/2" bolts.



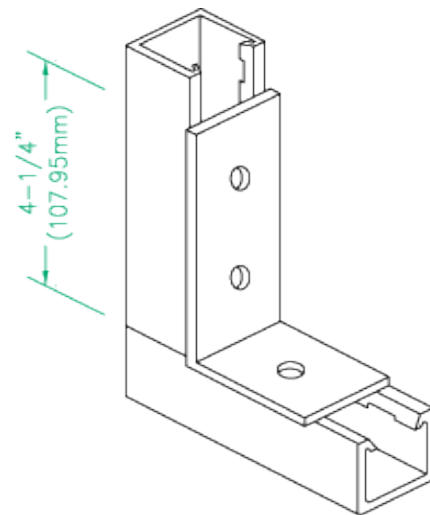
**UAF700PF or UAF700PU**  
**Universal Angle**  
**(5-1/4" x 1-5/8")**



**CF710PF or CF710PU**  
**4 Hole Self Angle**  
**(4" x 3-5/8")**



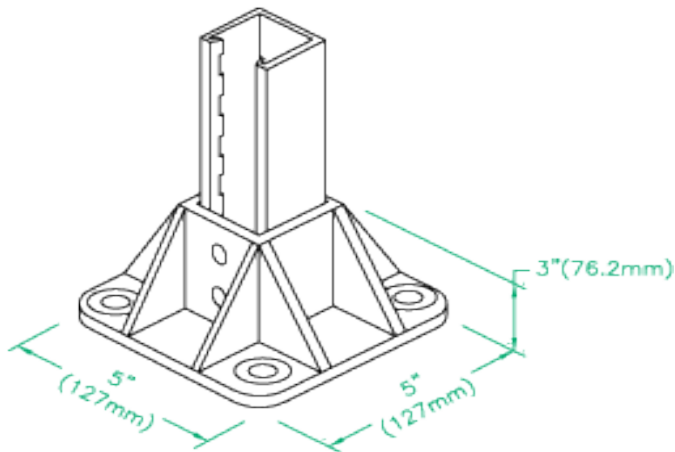
**CF6556PF or CF6556PU**  
**4 Hole Angle**  
**(4" x 4")**



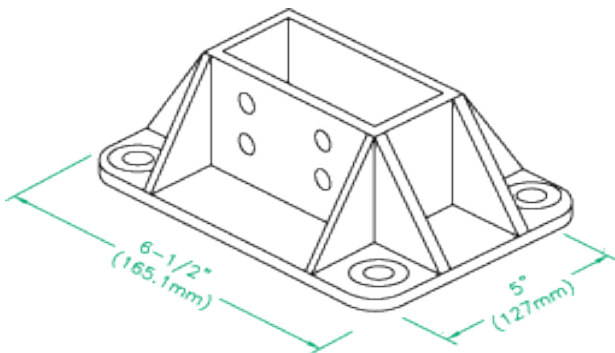
**CF6528PF or CF6528PU**  
**3 Hole Angle**  
**(4-1/4" x 1-5/8")**

## Post Bases

- StrutTech Post Bases can be attached with channel nuts or through bolted to strut back or side walls
- Highly Corrosion Resistant. See Chemical Resistant Guide
- Standard fitting material is either Polyester **PF** or Polyurethane **PU**



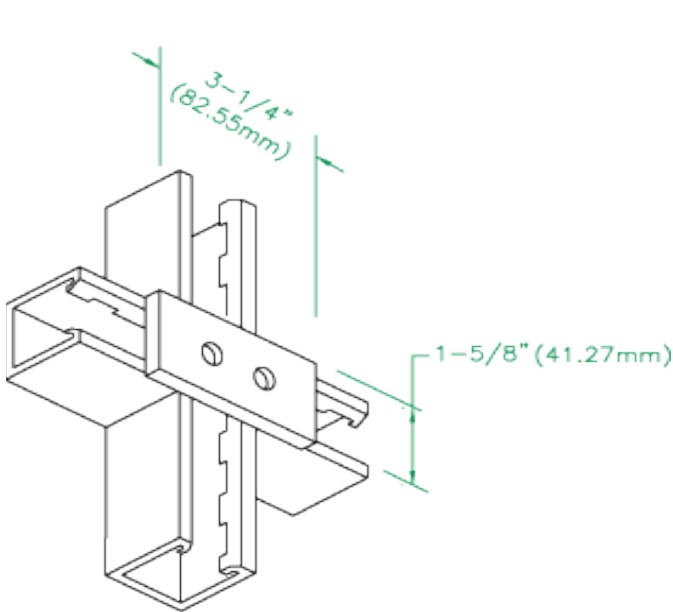
### **PBS750PF or PBS750PU** **Single Post Base** **(5" x 5")**



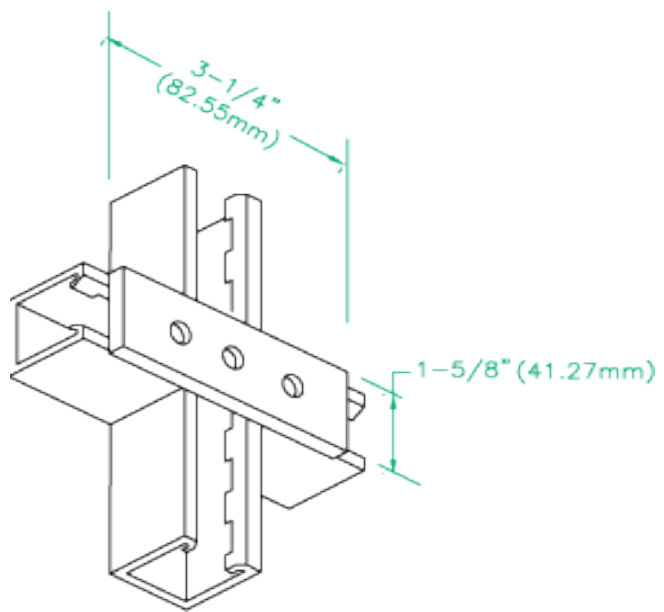
### **PBD752PF or PBD752PU** **Double Post Base** **(5" x 6-1/2")**

## Flat Plates Fittings

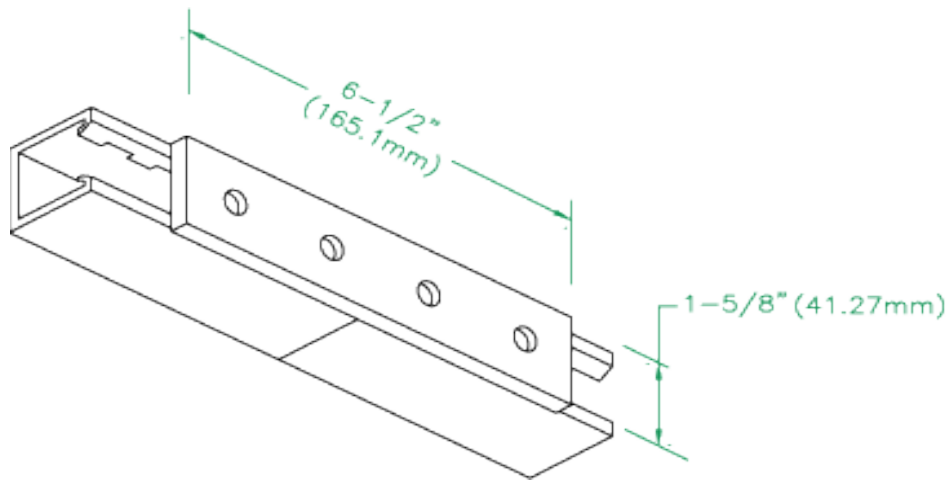
- Industry standard channel fittings for fabricating structures with StrutTech channel
- Fittings can be attached with channel nuts or through bolted to strut back of side walls
- No Special Tools Required
- Highly Corrosion Resistant. See Chemical Resistant Guide
- Standard fitting material is either Polyester **PF** or Polyurethane **PU**
- 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 # CS375PVC for 3/8" bolts and part # CS500PVC for 1/2" bolts.



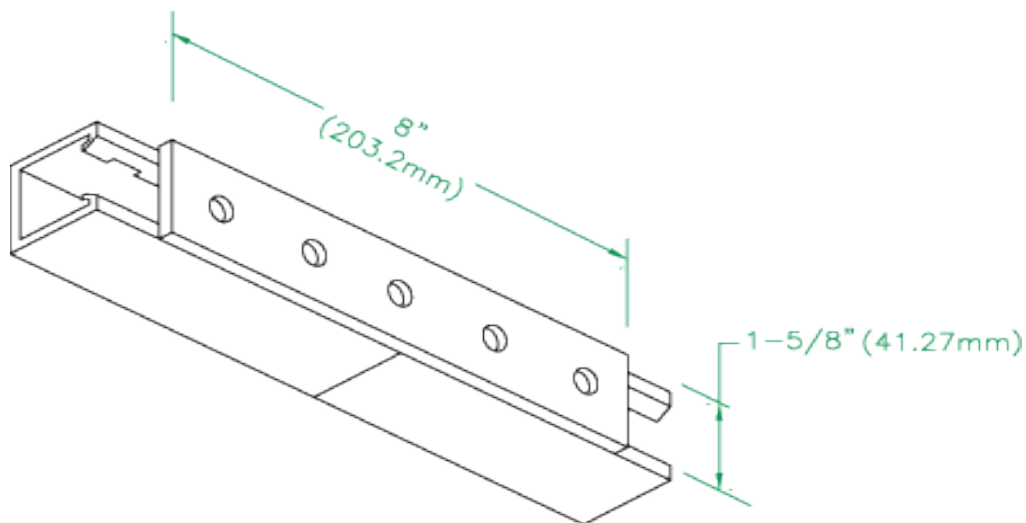
**CF6500PF or CF6500PU**  
**Two Hole Splice**  
**(3-1/4" x 1-5/8")**



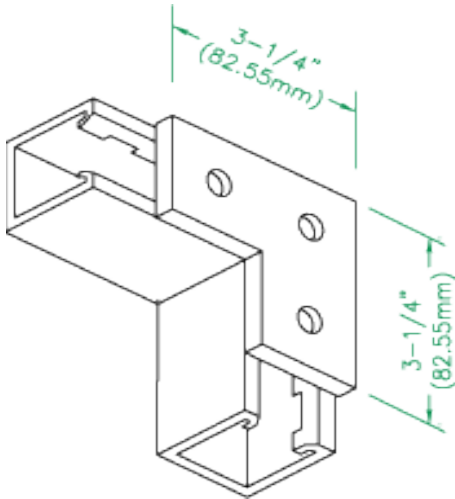
**CF6502PF or CF6502PU**  
**Three Hole Splice**  
**(3-1/4" x 1-5/8")**



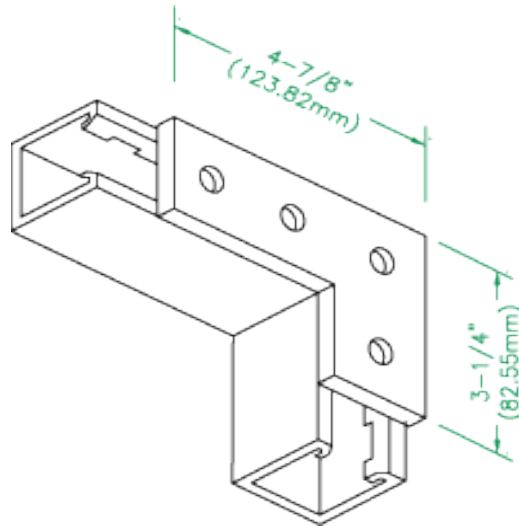
**CF6504PF or CF6504PU**  
**Four Hole Splice**  
**(6-1/2" x 1-5/8")**



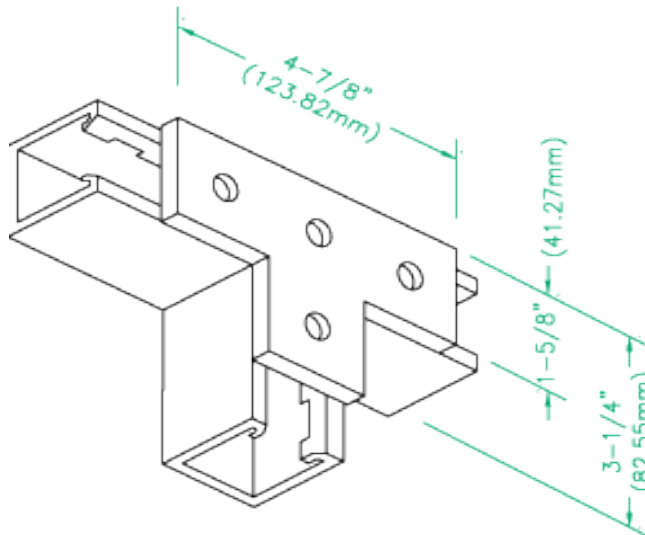
**CF6506PF or CF6506PU**  
**Five Hole Splice**  
**(8" x 1-5/8")**



**CF6508PF or CF6508PU**  
**Three Hole Corner**  
**(3-1/4" x 3-1/4")**

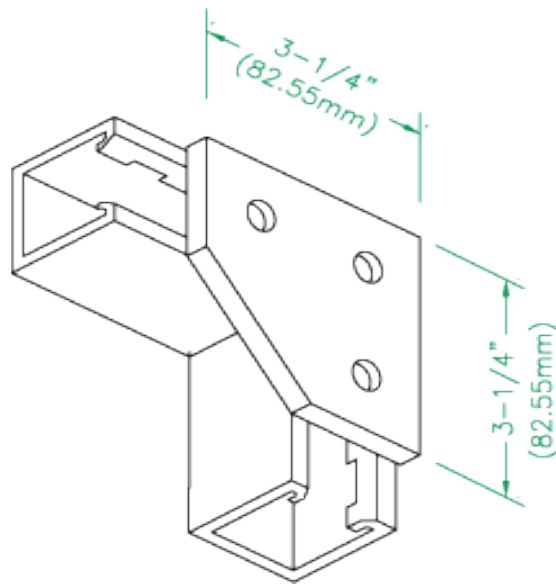


**CF6510PF or CF6510PU**  
**Four Hole Corner**  
**(4-7/8" x 3-1/4")**

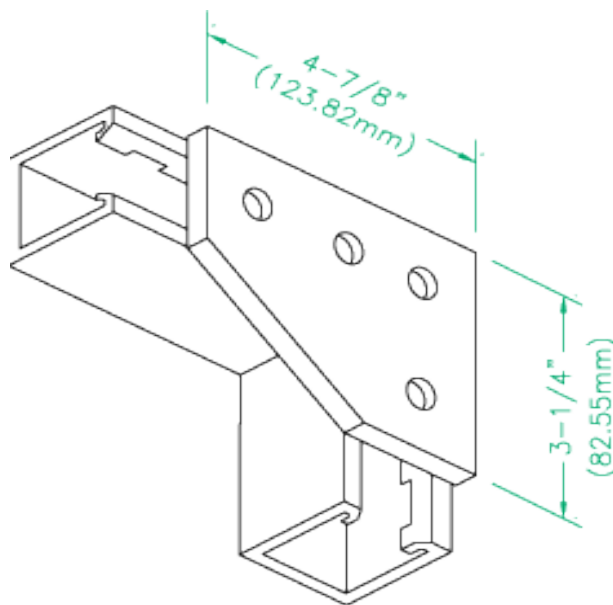


**CF6512PF or CF6512PU**  
**Four Hole Tee**  
**(4-7/8" x 3-1/4")**

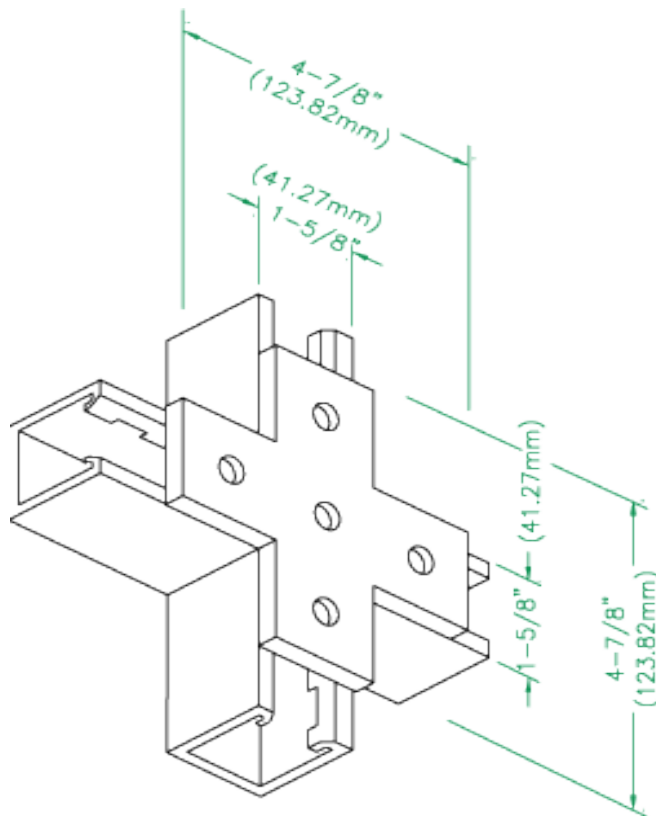




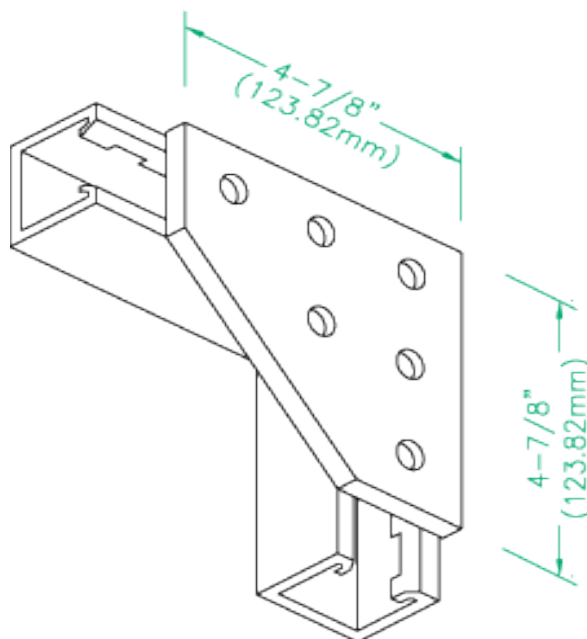
**CF6514PF or CF6514PU**  
**Three Hole Corner Gusset**  
**(3-1/4" x 3-1/4")**



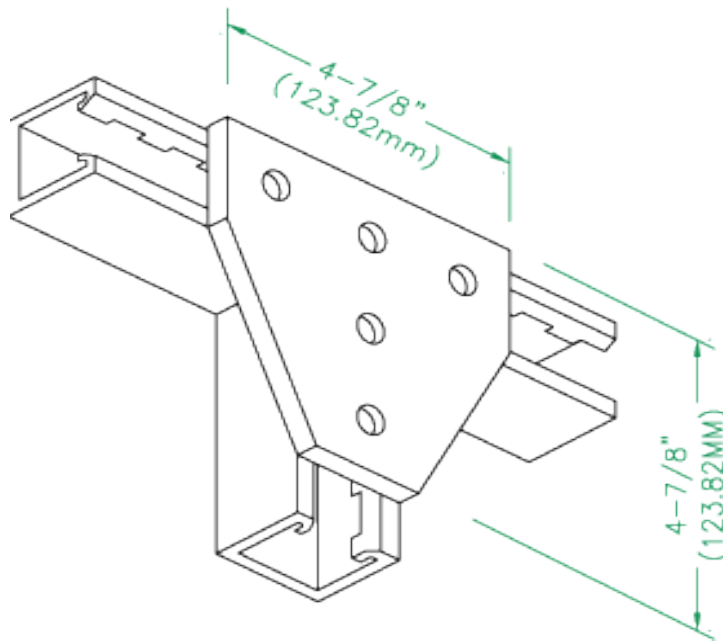
**CF6516PF or CF6516PU**  
**Four Hole Corner Gusset**  
**(4-7/8" x 3-1/4")**



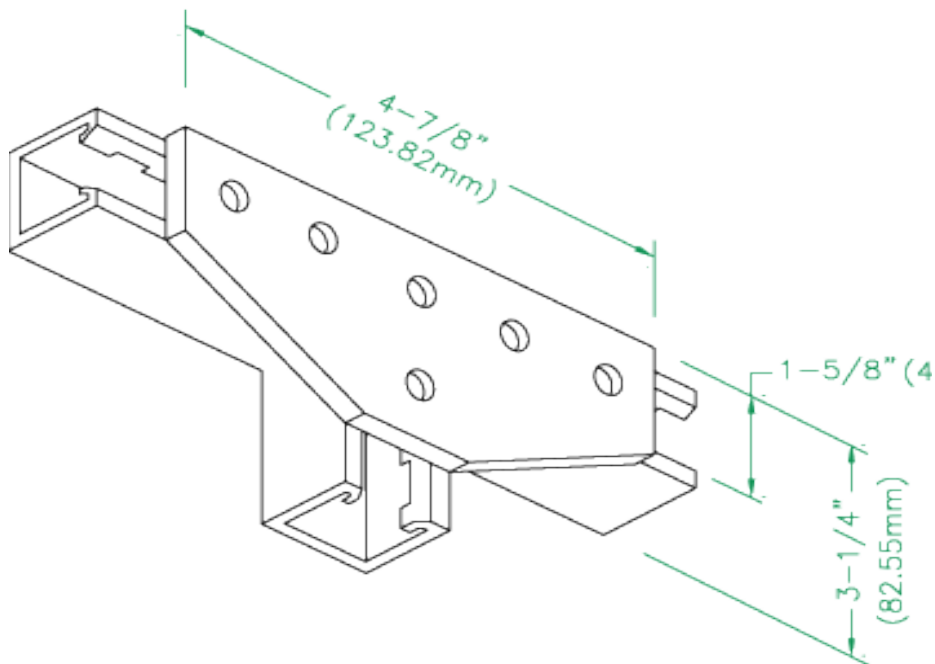
**CF6518PF or CF6518PU**  
**Five Hole Cross**  
**(4-7/8" x 4-7/8")**



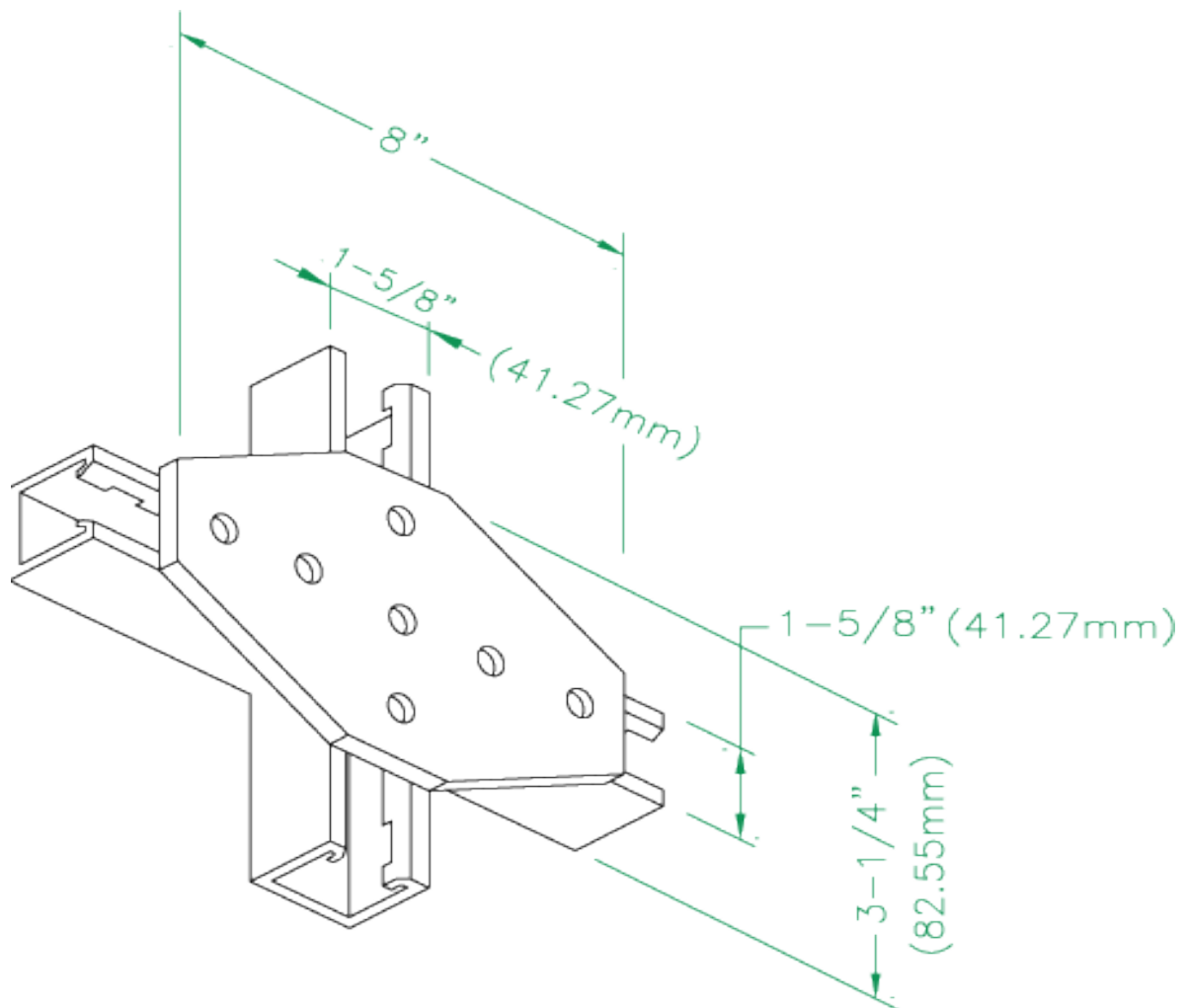
**CF6520PF or CF6520PU**  
**Five Hole Corner Gusset**  
**(4-7/8" x 4-7/8")**



**CF6526PF or CF6526PU**  
**Five Hole Tee Gusset**  
**(4-7/8" x 4-7/8")**



**CF6530PF or CF6530PU**  
**Six Hole Tee Gusset**  
**(8" x 3-1/4")**

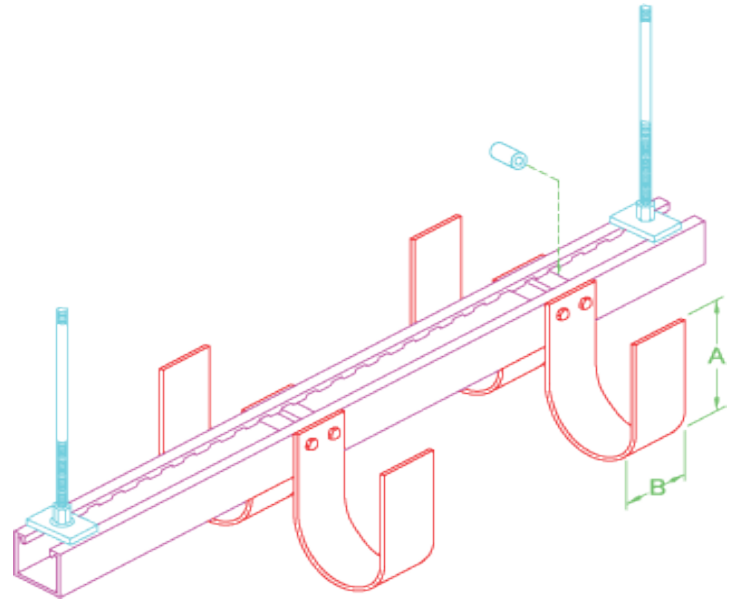


**CF6534PF or CF6534PU**  
**Seven Hole Cross Gusset**  
**(8" x 4-7/8")**

## Cable and Conduit Support

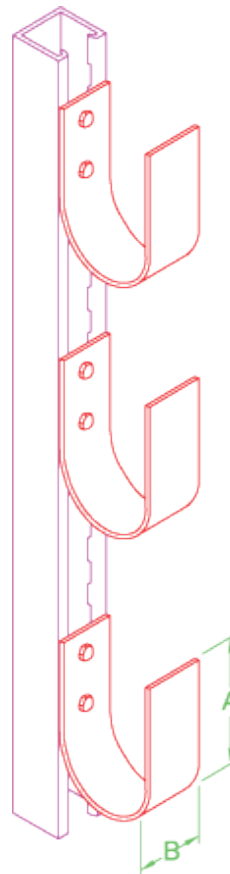
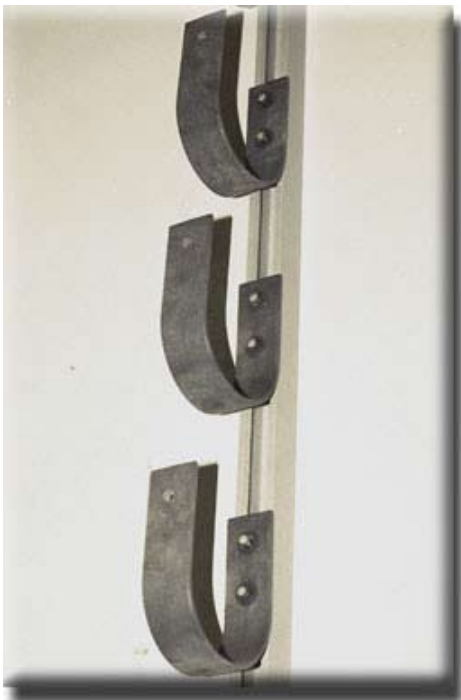
### Cable Arms

- Ideal for routing cable bundles. Attach to StrutTech channel or direct to wall surface
- All Non-Metallic - Non-Conductive & Corrosion Resistant Glass Filled Nylon
- Ease of Installation
- No Special tools required
- Available in several different glass filled plastics
- Available PVC full surface support runners between cable arms
- Consult with the factory regarding your application



### Order Information

- Standard Cable Arm material is Glass Filled Nylon (NY), Polyester (PF) or Polyurethane (PU) available. Contact factory for availability and pricing.



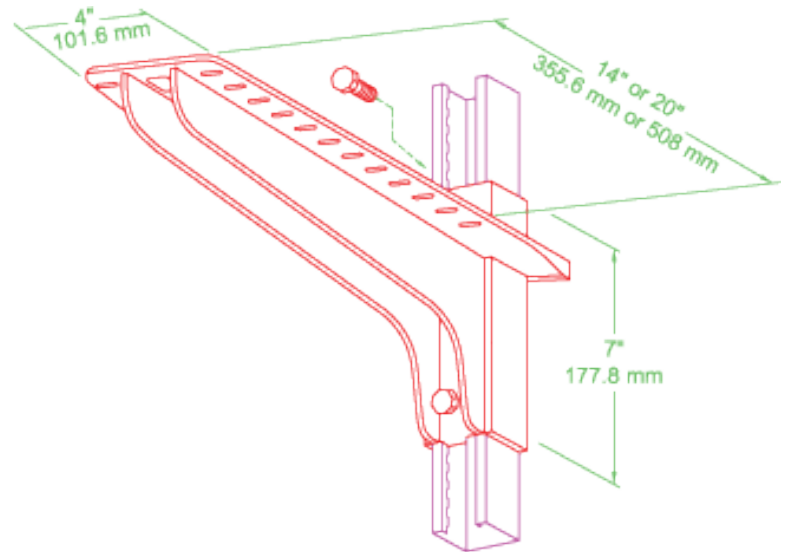
## Cable and Conduit Support

### Cable Arms Order Information

<b>StrutTech® Part #</b>	<b>Description</b>	<b>A</b>	<b>B</b>	<b>C</b>
CA150NY	1 1/2" ARM	2 1/2"	1 1/2"	1 1/2"
CA250NY	2 1/2" ARM	3 1/2"	1 1/2"	2 1/2"
CA375NY	3 3/4" ARM	5 1/2"	2"	3 3/4"
CA475NY	4 3/4" ARM	7 1/2"	2"	4 3/4"
CA650NY	6 1/2" ARM	6 3/4"	1 1/2"	6 1/2"

### Rack Arms

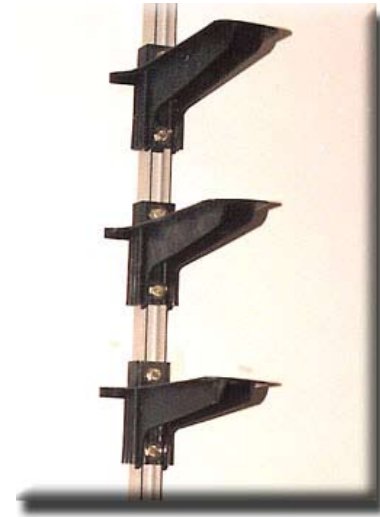
- Cables, tubing, conduit or piping can be attached to rack arm using StrutTech adjustable or fixed clamps, or Tie-Wraps
- Rack arms available in 14" and 20" lengths
- Rack arms can be attached to StrutTech channel with 1/2" spring nut P/N SN200500PU or 1/2" channel nut P/N CN500PU
- All Non-Metallic - Non-Conductive & Corrosion Resistant
- Ease of Installation
- No Special tools required
- Available in several different glass filled plastics
- Consult with the factory regarding your application



## Cable and Conduit Support

### Loading

- Uniform Load: Load applied over full length of arm
- Concentrated Load: Load applied 8" from bolted surface
- Factor of Safety: 3:1



### Rack Arms Order Information

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Design Load Concentrated</b>	<b>Design Load Uniform</b>
RA1400	14" RACK ARM	600	600
RA2000	20" RACK ARM	600	600



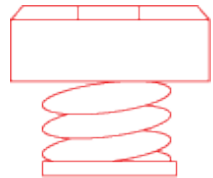
## Spring and Channel Nuts

### Spring Nuts

- Spring Nuts primary use is to attach StrutTech fittings to the open face of channels
- Nut is molded with integral spring and seats into channel notches
- Spring nut can be installed at any location from the open side of the channel
- Highly Corrosion Resistant. See Chemical Resistant Guide
- Standard Material is Polyurethane

### Spring Nuts Order Information

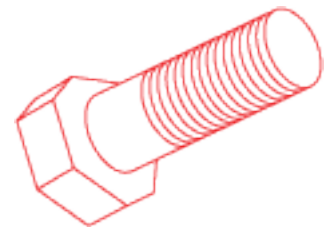
SPRING NUTS		
<b>StrutTech® Channel Series</b>	<b>StrutTech® Part #</b>	<b>Bolt Size</b>
Series 100 Channel	SN100250PU	1/4"
Series 100 Channel	SN100375PU	3/8"
Series 100 Channel	SN100500PU	1/2"
Series 200 Channel	SN200250PU	1/4"
Series 200 Channel	SN200375PU	3/8"
Series 200 Channel	SN200500PU	1/2"



Note: Standard quantity 25 each

### Spring Nut Bolts Order Information

SPRING NUT BOLTS		
<b>StrutTech® Channel Series</b>	<b>StrutTech® Part #</b>	<b>Bolt Size</b>
Series 100 Channel	B250PU100	1/4"X 1"
Series 100 Channel	B375PU100	3/8"X 1"
Series 100 Channel	B500PU100	1/2"X 1"
Series 200 Channel	B250PU125	1/4"X 1 1/4"
Series 200 Channel	B375PU125	3/8"X 1 1/4"
Series 200 Channel	B500PU125	1/2"X 1 1/4"



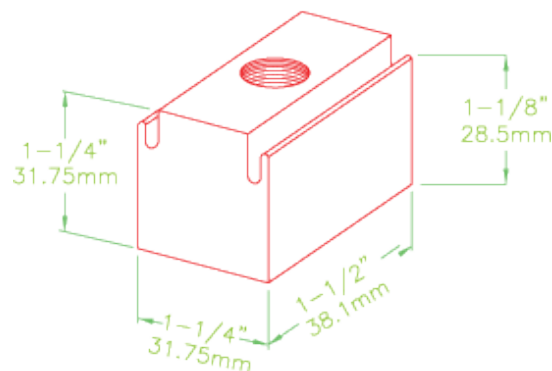
Note: Standard quantity 25 each

To order 316 Stainless bolts, substitute SS for PU in above part numbers

## Spring and Channel Nuts

### Channel Nuts

- Channel Nuts can be used for attaching StrutTech 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)



### Channel Nuts Order Information

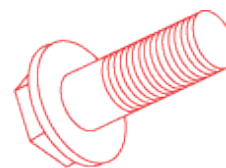
<b>StrutTech® Channel Series</b>	<b>StrutTech® Part #</b>	<b>Bolt Size</b>
Series 100 Channel	CN100250PU	1/4"
Series 100 Channel	CN100375PU	3/8"
Series 100 Channel	CN100500PU	1/2"
Series 100 Channel	CN100625PU	5/8"
Series 100 Channel	CN100750PU	3/4"
Series 200 Channel	CN200250PU	1/4"
Series 200 Channel	CN200375PU	3/8"
Series 200 Channel	CN200500PU	1/2"
Series 200 Channel	CN200625PU	5/8"
Series 200 Channel	CN200750PU	3/4"

Note: Standard quantity 25 each

## Fasteners

### Bolts

- Standard fasteners are used with StrutTech 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



### Bolts Order Information

- \*\* Insert **B** in part number for Bolts without an integral flange or insert **FB** for Polyurethane Bolts with an integral flange. Polyurethane **FB** not available for 5/16" Bolts.
- Flanged bolts not available in Stainless Steel
- For Stainless Steel Bolts insert **SS** for **PU** in the part number
- Note:
  - Polyurethane Ultimate Tension Load (lbs) with a 3:1 factor of safety
  - Inquire about additional Polyurethane Bolt sizes
  - Polyurethane physical properties are affected at elevated temperatures. Physical properties will decrease by 50% at 150 degree F

<b>StrutTech® Part #</b>	<b>Description</b>	<b>PU Ultimate Load (lbs)</b>	<b>PU Torque (ft/lbs)</b>
<b>** 250 PU100</b>	1/4" x 1"	140	10 in./lbs.
<b>**250 PU125</b>	1/4" x 1 1/4"	140	10 in./lbs.
<b>B312 PU100</b>	5/16" x 1"	200	2
<b>B312 PU125</b>	5/16" x 1 1/4"	200	2
<b>B312 PU150</b>	5/16" x 1 1/2"	200	2
<b>**375 PU100</b>	3/8" x 1"	425	3
<b>**375 PU125</b>	3/8" x 1 1/4"	425	3
<b>**375 PU150</b>	3/8" x 1 1/2"	425	3
<b>**375 PU200</b>	3/8" x 2"	425	3

Note: Standard quantity 25 each  
Other sizes available upon request

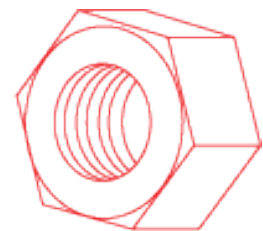
## Bolts Order Information

<b>StrutTech® Part #</b>	<b>Description</b>	<b>PU Ultimate Load (lbs)</b>	<b>PU Torque (ft/lbs)</b>
**375 PU250	3/8" x 2 1/2"	425	3
**375 PU300	3/8" x 3"	425	3
**500 PU100	1/2" x 1"	475	7
**500 PU125	1/2" x 1 1/4"	475	7
**500 PU150	1/2" x 1 1/2"	475	7
**500 PU200	1/2" x 2"	475	7
**500 PU250	1/2" x 2 1/2"	475	7
**500 PU300	1/2" x 3"	475	7
**500 PU 350	1/2" x 3 1/2"	475	7

Note: Standard quantity 25 each  
Other sizes available upon request

## Standard Duty Polyurethane Nuts

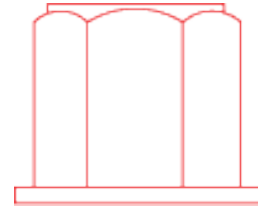
<b>StrutTech® Part #</b>	<b>Description</b>
N250PU	1/4" Polyurethane Nut
N312PU	5/16" Polyurethane Nut
N375PU	3/8" Polyurethane Nut
N500PU	1/2" Polyurethane Nut
N625PU	5/8" Polyurethane Nut
N750PU	3/4" Polyurethane Nut
N1000PU	1" Polyurethane Nut



Note: Standard quantity 25 each

## Heavy Duty Polyurethane Nuts

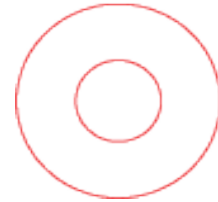
<b>StrutTech® Part #</b>	<b>Description</b>
FN375PU	3/8" Polyurethane Flanged Nut
FN500PU	1/2" Polyurethane Flanged Nut
FN625PU	5/8" Polyurethane Flanged Nut
FN750PU	3/4" Polyurethane Flanged Nut
FN1000PU	1" Polyurethane Flanged Nut



Note: Standard quantity 25 each

## Washers

<b>StrutTech® Part #</b>	<b>Description</b>
W375PU	3/8" Polyurethane Washer
W500PU	1/2" Polyurethane Washer
W625PU	5/8" Polyurethane Washer
W750PU	3/4" Polyurethane Washer
W1000PU	1" Polyurethane Washer

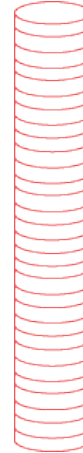


Note: Standard quantity 25 each

## Threaded Rod & Couplers

### Threaded Rod

- StrutTech offers all thread rod in two materials, Vinylester 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 length



### Threaded Rod Order Information

- Listed part numbers are for Vinylester Fiberglass VF. For 316 Stainless Steel, substitute SS for VF in the part number.

NOTE: VF Threaded Rod is rated in ultimate shear.

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Thread Shear (Ultimate)</b>
AL375VF	3/8" Vinylester Fiberglass All Thread	1,350
AL500VF	1/2" Vinylester Fiberglass All Thread	2,000
AL625VF	5/8" Vinylester Fiberglass All Thread	3,500
AL750VF	3/4" Vinylester Fiberglass All Thread	5,000
AL1000VF	1" Vinylester Fiberglass All Thread	9,000

## Threaded Rod & Couplers

### Threaded Rod Couplers

- StrutTech offers rod couplers in two materials, Polyurethane and 316 Stainless Steel
- Couplers provide a simple way to connect threaded rod



### Threaded Rod Couplers Order Information

- Listed part numbers are Polyurethane (PU).  
For 316 Stainless Steel Hex Head, substitute SS for PU in the part number.

NOTE: VF Threaded Rod Couplers are rated in ultimate shear.

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Thread Shear (Ultimate)</b>
CU375PU	3/8" All Thread Rod Coupler	1,350
CU500PU	1/2" All Thread Rod Coupler	2,000
CU625PU	5/8" All Thread Rod Coupler	3,500
CU750PU	3/4" All Thread Rod Coupler	5,000
CU1000PU	1" All Thread Rod Coupler	9,000

## Beam Clips and Beam Clamps

### Beam Clips

- StrutTech Beam Clips provide a secure method for attaching strut channel and or trapeze configurations to various size beams
- Fastener selection is either 3/8" 316 Stainless Steel or 1/2" Polyurethane bolt
- Connection to strut channel is by either Channel Nuts or Spring Nuts
- Beam Clips and Shims are Vinylester Fiberglass

### Beam Clips Order Information

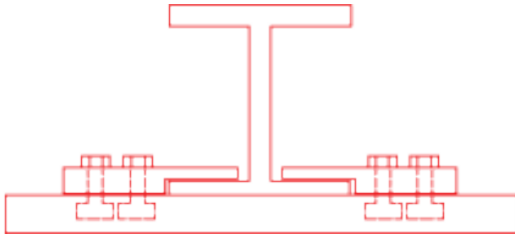
- Included in each assembly are:
  - 2 ea. 1/2" Beam Clips
  - 4 ea. bolts, either 3/8" Stainless Steel (SS) or 1/2" Polyurethane (PU)
  - 4 ea. Channel Nuts or Spring Nuts
  - (Also needed but sold separately are 2 ea. Shims per Beam Clip Assembly, dependent on your beam flange thickness).

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Load Rating</b>
BC500VFSS-CN-2	1/2" Beam Clip Assembly with 3/8" SS Bolt & Channel Nut	250
BC500VFPU-CN-2	1/2" Beam Clip Assembly with 1/2" PU Bolt & Channel Nut	250
BC500VFSS-SN-2	1/2" Beam Clip Assembly with 3/8" SS Bolt & Spring Nut	250
BC500VFPU-SN-2	1/2" Beam Clip Assembly with 1/2" PU Bolt & Spring Nut	250
<b>SHIMS for Beam Clips</b>		
BCS250VF-2	1/4" Beam Clip Shim Vinylester (2 ea.)	
BCS375VF-2	3/8" Beam Clip Shim Vinylester (2 ea.)	
BCS500VF-2	1/2" Beam Clip Shim Vinylester (2 ea.)	

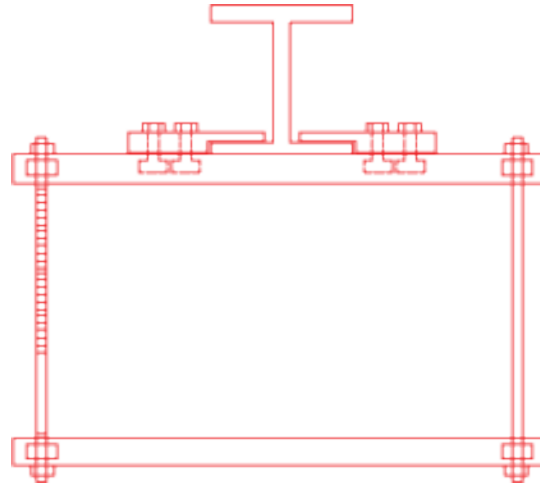


## Beam Clips and Beam Clamps

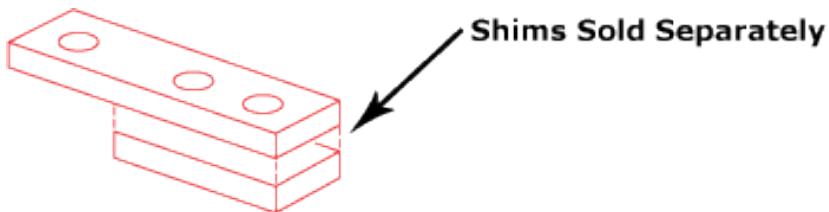
### General Beam Clip Arrangement



### Trapeze Using Beam Clip



### Standard Beam Clip Assembly



## Beam Clamps

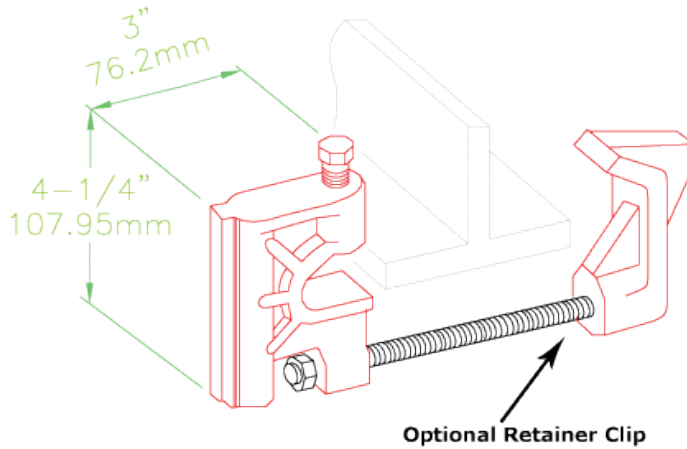
- StrutTech Beam Clamps provide a simple and secure method for attaching strut channel and or trapeze configurations to various size of beams
- Beam Clamps are offered in two sizes, Large or Small
- Beam Clamps come with either 3/8" or 1/2" thread for threaded rod, sold separately
- Material of construction 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

# Beam Clips and Beam Clamps

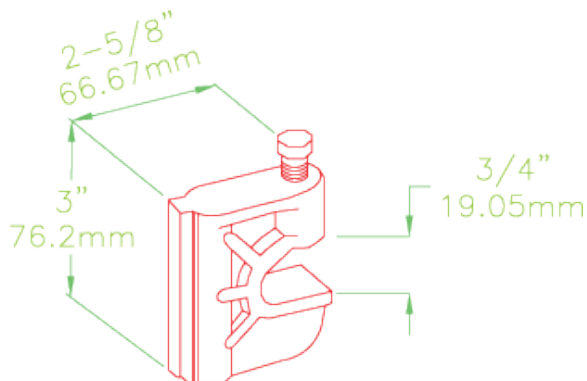
## Large Beam Clamp



## Large Beam Clamp Order Information

<b>StrutTech® Part #</b>	<b>Description</b>	<b>Load Rating</b>
LBC375PU	Large Beam Clamp for 3/8"-16	600
LBC500PU	Large Beam Clamp for 1/2"-19	600
LBCR375PU	Large Beam Clamp Retaining Clip for 3/8"-16	
LBCR500PU	Large Beam Clamp Retaining Clip for 1/2"-19	

## Small Beam Clamp



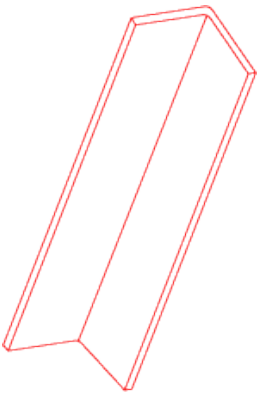
## Beam Clips and Beam Clamps

### Small Beam Clamp Order Information

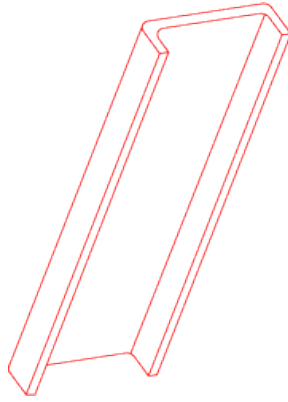
<b>StrutTech® Part #</b>	<b>Description</b>	<b>Load Rating</b>
SBC375PU	Small Beam Clamp for 3/8"-16	600
SBC500PU	Small Beam Clamp for 1/2"-19	600

## Structural Fiberglass Shapes

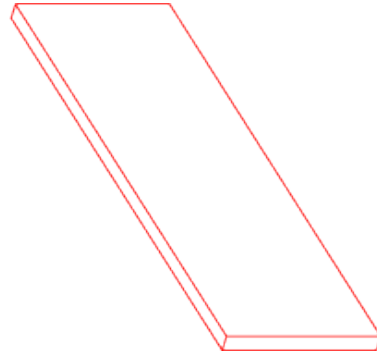
Pultruded structural shapes can be used in addition to fiberglass strut sections to create more useful fabrications. Standard shapes are ideal for cross bracing structures or to provide additional load carrying capacity to structures. Call StrutTech for physical data and specifications for these materials.



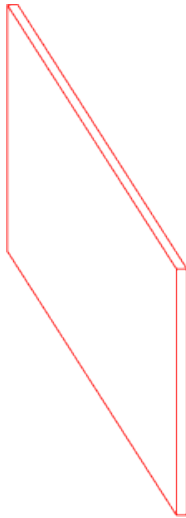
**Angle**



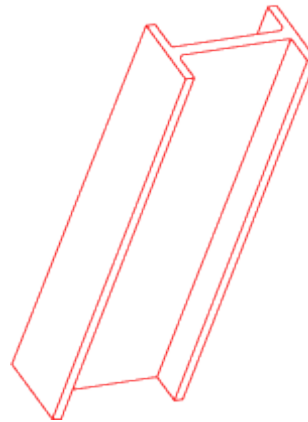
**Channel**



**Flat Strip**



**Flat Plate**



**I-Beam**

## Structural Fiberglass Shapes Order information

- Materials: Polyester FR (PF) or vinylester FR (VF)
- Quantity: Standard 20' lengths. Custom cut to length available
- Call factory for your specific requirements

## StrutTech® Specifications

### 1.0 Scope

1.1 This specification covers the requirements for the StrutTech 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 5/8" steel and fiberglass channel framing systems.

### 3.0 Materials

3.1 This specification is for Polyester (standard) or Vinylester (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: Vinylester 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 follows:

	Longitudinal Vinylester	Transverse Vinylester	Longitudinal Polyester	Transverse Polyester
Tensile Strength (psi)	37,500	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)	37,500	14,000	30,000	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

### 4.0 Channel Framing & System Components

#### 4.1 Channel Framing Series 100 & 200

4.1.1 All fiberglass channels shall be manufactured using either vinylester or polyester resin. Resin selection must meet requirements of the StrutTech 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 All series 200 channel shall be supplied with integral notches 1" on center. Notches shall be located on the interior flange to prevent slippage of pipe clamps and fittings after installation. In lieu of notched channel, unnotched channel may be used if the vertical channel sections supporting the horizontal piping are provided with 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 inches.

4.2.2 Glass Filled Fixed Pipe Clamps for pipe and conduit under 8 inches 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 StrutTech chemical resistance chart. Fixed pipe clamps for pipe and conduit over 8 inches shall be thermoset vinylester fiberglass, and shall be manufactured by either hand laminations or resin transfer molded. Injection molded parts for pipe and conduit sizes over 8 inches 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 StrutTech chemical resistance chart.

#### 4.4 Fasteners

4.4.1 All fasteners shall be made from one of the following materials: Glass filled polyurethane, vinylester fiberglass, stainless steel. Resin selection must meet requirements of the StrutTech chemical resistance chart.

### 5.0 Acceptable Manufacturer

#### 5.1 StrutTech Redmond, WA 425-885-2805

## Order Guide

Part #	Description	Unit \$	Min Qty	P
UPF200N	Universal Polyester 1 5/8" FRP Channel Notched	LF		4
UPF200UN	Universal Polyester 1 5/8" FRP Channel Un-Notched	LF		4
UVF200N	Universal Vinylester 1 5/8" FRP Channel Notched	LF		4
UVF200UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched	LF		4
UPF202N	Universal Polyester Back to Back 1 5/8" FRP Channel Notched	LF		4
UPF202UN	Universal Polyester Back to Back 1 5/8" FRP Channel Un-Notched	LF		4
UVF202N	Universal Vinylester Back to Back 1 5/8" FRP Channel Notched	LF		4
UVF202UN	Universal Vinylester Back to Back 1 5/8" FRP Channel Un-Notched	LF		4
UPF204N	Universal Polyester 1 5/8" FRP Channel Notched w/3/8" Holes	LF		4
UPF204UN	Universal Polyester 1 5/8" FRP Channel Un-Notched w/3/8" Holes	LF		4
UVF204N	Universal Vinylester 1 5/8" FRP Channel Notched w/3/8" Holes	LF		4
UVF204UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched w/3/8" Holes	LF		4
UPF206N	Universal Polyester 1 5/8" FRP Channel Notched w/Concrete Insert	LF		4
UPF206UN	Universal Polyester 1 5/8" FRP Channel Un-Notched w/Concrete Insert	LF		4
UVF206N	Universal Vinylester 1 5/8" FRP Channel Notched w/Concrete Insert	LF		4
UVF206UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched w/Concrete Insert	LF		4
UPF100UN	Universal Polyester 1" FRP Channel Un-Notched	LF		4
UVF100UN	Universal Vinylester 1" FRP Channel Un-Notched	LF		4

Part #	Description	Unit \$	Min Qty	P
UPF102UN	Universal Polyester Back to Back 1" FRP Channel Un-Notched	LF		4
UVF102UN	Universal Vinylester Back to Back 1" FRP Channel Un-Notched	LF		4
UPF104UN	Universal Polyester 1" FRP Channel Un-Notched w/3/8" Holes	LF		4
UVF104UN	Universal Vinylester 1" FRP Channel Un-Notched w/3/8" Holes	LF		4
UPF106UN	Universal Polyester 1" FRP Channel Un-Notched w/Concrete Insert	LF		4
UVF106UN	Universal Vinylester 1" FRP Channel Un-Notched w/Concrete Insert	LF		4
UPF108UN	Universal Polyester 1" FRP Channel Un-Notched Side to Bottom	LF		5
UVF108UN	Universal Vinylester 1" FRP Channel Un-Notched Side to Bottom	LF		5
UPF110UN	Universal Polyester 1" FRP Channel Un-Notched Side by Side	LF		5
UVF110UN	Universal Vinylester 1" FRP Channel Un-Notched Side by Side	LF		5
UPF112UN	Universal Polyester 1" FRP Channel Un-Notched Inverted	LF		5
UVF112UN	Universal Vinylester 1" FRP Channel Un-Notched Inverted	LF		5
UPF208N	Universal Polyester 1 5/8" FRP Channel Notched Side to Back	LF		5
UPF208UN	Universal Polyester 1 5/8" FRP Channel Un-Notched Side to Back	LF		5
UVF208N	Universal Vinylester 1 5/8" FRP Channel Notched Side to Back	LF		5
UVF208UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched Side to Back	LF		5
UPF210N	Universal Polyester 1 5/8" FRP Channel Notched Side by Side	LF		5
UPF2010UN	Universal Polyester 1 5/8" FRP Channel Un-Notched Side by Side	LF		5
UVF210N	Universal Vinylester 1 5/8" FRP Channel Notched Side by Side	LF		5



Part #	Description	Unit \$	Min Qty	P
UVF210UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched Side by Side	LF		5
UPF212N	Universal Polyester 1 5/8" FRP Channel Notched Inverted	LF		5
UPF212UN	Universal Polyester 1 5/8" FRP Channel Un-Notched Inverted	LF		5
UVF212N	Universal Vinylester 1 5/8" FRP Channel Notched Inverted	LF		5
UVF212UN	Universal Vinylester 1 5/8" FRP Channel Un-Notched Inverted	LF		5
UFCPU50SS	1/2" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU50PU	1/2" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU75SS	3/4" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU75PU	3/4" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU100SS	1" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU100PU	1" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU125SS	1 1/4" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU125PU	1 1/4" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU150SS	1 1/2" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU150PU	1 1/2" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU200SS	2" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU200PU	2" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU250SS	2 1/2" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU250PU	2 1/2" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11

Part #	Description	Unit \$	Min Qty	P
UFCPU300SS	3" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU300PU	3" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU400SS	4" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU400PU	4" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU500SS	5" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU500PU	5" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU600SS	6" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU600PU	6" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
UFCPU800SS	8" Fixed Pipe Clamp Polyurethane w/ Stainless Steel Fastener	Ea	25	11
UFCPU800PU	8" Fixed Pipe Clamp Polyurethane w/ Polyurathane Fastener	Ea	25	11
AC50	1/2" to 3/4" Adjustable Pipe Clamp	Ea	25	12
AC100	1" to 1 1/2" Adjustable Pipe Clamp	Ea	25	12
AC200	1 1/2" to 2 1/2" Adjustable Pipe Clamp	Ea	25	12
AC300	2 1/2" to 3 1/2" Adjustable Pipe Clamp	Ea	25	12
PSPU200	2" Two Hole Pipe Strap Polyurethane	Ea	25	13
PSPF200	2" Two Hole Pipe Strap Polyester	Ea	25	13
PSPU300	3" Two Hole Pipe Strap Polyurethane	Ea	25	13
PSPF300	3" Two Hole Pipe Strap Polyester	Ea	25	13
PSPU400	4" Two Hole Pipe Strap Polyurethane	Ea	25	13
PSPF400	4" Two Hole Pipe Strap Polyester	Ea	25	13
PSPU600	6" Two Hole Pipe Strap Polyurethane	Ea	25	13
PSPF600	6" Two Hole Pipe Strap Polyester	Ea	25	13
ABSN100PU	Adjustable Tubing Clamp Attachment Block for 1" Channel	Ea	25	14
ABSN200PU	Adjustalbe Tubing Clamp Attachment Block for 1 5/8" Channel	Ea	25	14
CT084PP50	Polypropylene Cable Ties 8.5" long	Ea	25	14
CH100PF	1/2" to 1" Clevis Hanger Polyester	Ea	Ea	15

Part #	Description	Unit \$	Min Qty	P
CH100PU	1/2" to 1" Clevis Hanger Polyurethane	Ea	Ea	15
CH200PF	1 1/4" to 2" Clevis Hanger Polyester	Ea	Ea	15
CH200PU	1 1/4" to 2" Clevis Hanger Polyurethane	Ea	Ea	15
CH300PF	2 1/2" to 3" Clevis Hanger Polyester	Ea	Ea	15
CH300PU	2 1/2" to 3" Clevis Hanger Polyurethane	Ea	Ea	15
CH400PF	3 1/2" to 4" Clevis Hanger Polyester	Ea	Ea	15
CH400PU	3 1/2" to 4" Clevis Hanger Polyurethane	Ea	Ea	15
CH600PU	4 1/2" to 6" Clevis Hanger Polyurethane	Ea	Ea	15
ANR200	2" Pipe Roller Vinylester	Ea	Ea	16
ANR300	3" Pipe Roller Vinylester	Ea	Ea	16
ANR400	4" Pipe Roller Vinylester	Ea	Ea	16
ANR500	5" Pipe Roller Vinylester	Ea	Ea	16
ANR600	6" Pipe Roller Vinylester	Ea	Ea	16
ANR800	8" Pipe Roller Vinylester	Ea	Ea	16
ANR1000	10" Pipe Roller Vinylester	Ea	Ea	16
ANR1200	12" Pipe Roller Vinylester	Ea	Ea	16
ANR1400	14" Pipe Roller Vinylester	Ea	Ea	16
ANR1600	16" Pipe Roller Vinylester	Ea	Ea	16
UAF700PF	Universal Angle Fitting Polyester	Ea	Ea	17
UAF700PU	Universal Angle Fitting Polyurethane	Ea	Ea	17
CF710PF	4 Hole Shelf Angle Polyester	Ea	Ea	17
CF710PU	4 Hole Shelf Angle Polyurethane	Ea	Ea	17
CF705PF	3 Hole Angle Fitting Polyester	Ea	Ea	17
CF705PU	3 Hole Angle Fitting Polyurethane	Ea	Ea	17
CF715PF	4 Hole Angle Fitting Polyester Fiberglass	Ea	Ea	17
CF715VF	4 Hole Angle Fitting Vinylester Fiberglass	Ea	Ea	17
PBS750PF	Single Post Base Polyester	Ea	Ea	18
PBS750PU	Single Post Base Polyurethane	Ea	Ea	18
PBS752PF	Double Post Base Polyester	Ea	Ea	18
PBS752PU	Double Post Base Polyurethane	Ea	Ea	18
CF6500PF	Flat Plate Fitting Straight with Two 3/8" Holes Polyester	Ea	Ea	19
CF6500PU	Flat Plate Fitting Straight with Two 3/8" Holes Polyurethane	Ea	Ea	19
CF6502PF	Flat Plate Fitting Straight with Three 3/8" Holes Polyester	Ea	Ea	19

Part #	Description	Unit \$	Min Qty	P
CF6502PU	Flat Plate Fitting Straight with Three 3/8" Holes Polyurethane	Ea	Ea	19
CF6504PF	Flat Plate Fitting Straight with Four 3/8" Holes Polyester	Ea	Ea	19
CF6504PU	Flat Plate Fitting Straight with Four 3/8" Holes Polyurethane	Ea	Ea	19
CF6506PF	Flat Plate Fitting Straight with Five 3/8" Holes Polyester	Ea	Ea	19
CF6506PU	Flat Plate Fitting Straight with Five 3/8" Holes Polyurethane	Ea	Ea	19
CF6508PF	Flat Plate Fitting 90 Degree with Three 3/8" Holes Polyester	Ea	Ea	19
CF6508PU	Flat Plate Fitting 90 Degree with Three 3/8" Holes Polyurethane	Ea	Ea	19
CF6510PF	Flat Plate Fitting 90 Degree with Four 3/8" Holes Polyester	Ea	Ea	19
CF6510PU	Flat Plate Fitting 90 Degree with Four 3/8" Holes Polyurethane	Ea	Ea	19
CF6512PF	Flat Plate Fitting Tee with Four 3/8" Holes Polyester	Ea	Ea	19
CF6512PU	Flat Plate Fitting Tee with Four 3/8" Holes Polyurethane	Ea	Ea	19
CF6514PF	Flat Plate Fitting Gusset 90 Degree with Three 3/8" Holes Polyester	Ea	Ea	19
CF6514PU	Flat Plate Fitting Gusset 90 Degree with Three 3/8" Holes Polyurethane	Ea	Ea	19
CF6516PF	Flat Plate Fitting Gusset 90 Degree with Four 3/8" Holes Polyester	Ea	Ea	19
CF6516PU	Flat Plate Fitting Gusset 90 Degree with Four 3/8" Holes Polyurethane	Ea	Ea	19
CF6518PF	Flat Plate Fitting X with Five 3/8" Holes Polyester	Ea	Ea	19
CF6518PU	Flat Plate Fitting X with Five 3/8" Holes Polyurethane	Ea	Ea	19
CF6520PF	Flat Plate Fitting Gusset 90 Degree with Six 3/8" Holes Polyester	Ea	Ea	19
CF6520PU	Flat Plate Fitting Gusset 90 Degree with Six 3/8" Holes Polyurethane	Ea	Ea	19

<b>Part #</b>	<b>Description</b>	<b>Unit \$</b>	<b>Min Qty</b>	<b>P</b>
CF6526PF	Flat Plate Fitting Gusset Tee with Five 3/8"	Ea	Ea	19
CF6526PU	Holes Polyester			
CF6526PU	Flat Plate Fitting Gusset Tee with Five 3/8"	Ea	Ea	19
CF6530PF	Holes Polyurethane			
CF6530PF	Flat Plate Fitting Gusset Tee with Six 3/8"	Ea	Ea	19
CF6530PU	Holes Polyester			
CF6530PU	Flat Plate Fitting Gusset Tee with Six 3/8"	Ea	Ea	19
CF6534PF	Holes Polyurethane			
CF6534PF	Flat Plate Fitting Cross Gusset Seven 3/8"	Ea	Ea	19
CF6534PU	Holes Polyester			
CF6534PU	Flat Plate Fitting Cross Gusset Seven 3/8"	Ea	Ea	19
CA150NY	Holes Polyurethane			
CA150NY	Cable Arm 1 1/2" Glass Filled Nylon	Ea	Ea	20
CA150PF	Cable Arm 1 1/2" Glass Filled Polyester	Ea	Ea	20
CA150PU	Cable Arm 1 1/2" Glass Filled Polyurethane	Ea	Ea	20
CA250NY	Cable Arm 2 1/2" Glass Filled Nylon	Ea	Ea	20
CA250PF	Cable Arm 2 1/2" Glass Filled Polyester	Ea	Ea	20
CA250PU	Cable Arm 2 1/2" Glass Filled Polyurethane	Ea	Ea	20
CA375NY	Cable Arm 3 3/4" Glass Filled Nylon	Ea	Ea	20
CA375PF	Cable Arm 3 3/4" Glass Filled Polyester	Ea	Ea	20
CA375PU	Cable Arm 3 3/4" Glass Filled Polyurethane	Ea	Ea	20
CA475NY	Cable Arm 4 3/4" Glass Filled Nylon	Ea	Ea	20
CA475PF	Cable Arm 4 3/4" Glass Filled Polyester	Ea	Ea	20
CA475PU	Cable Arm 4 3/4" Glass Filled Polyurethane	Ea	Ea	20
CA650NY	Cable Arm 6 1/2" Glass Filled Nylon	Ea	Ea	20
CA650PF	Cable Arm 6 1/2" Glass Filled Polyester	Ea	Ea	20
CA650PU	Cable Arm 6 1/2" Glass Filled Polyurethane	Ea	Ea	20
RA1400NY	Rack Arm 14" Glass Filled Nylon	Ea	Ea	21
RA1400PF	Rack Arm 14" Glass Filled Polyester	Ea	Ea	21
RA1400PU	Rack Arm 14" Glass Filled Polyurethane	Ea	Ea	21
RA2000NY	Rack Arm 20" Glass Filled Nylon	Ea	Ea	21
RA2000PF	Rack Arm 20" Glass Filled Polyester	Ea	Ea	21
RA2000PU	Rack Arm 20" Glass Filled Polyurethane	Ea	Ea	21
CN100250PU	100 Series Channel Nut with 1/4" Bolt size	Ea	25	22
CN100375PU	Polyurethane			
CN100375PU	100 Series Channel Nut with 3/8" Bolt size	Ea	25	22
	Polyurethane			

Part #	Description	Unit \$	Min Qty	P
CN100500PU	100 Series Channel Nut with 1/2" Bolt size Polyurethane	Ea	25	22
CN100625PU	100 Series Channel Nut with 5/8" Bolt size Polyester	Ea	25	22
CN100750PU	100 Series Channel Nut with 3/4" Bolt size Polyurethane	Ea	25	22
CN200250PU	200 Series Channel Nut with 1/4" Bolt size Polyurethane	Ea	25	22
CN200375PU	200 Series Channel Nut with 3/8" Bolt size Polyurethane	Ea	25	22
CN200500PU	200 Series Channel Nut with 1/2" Bolt size Polyurethane	Ea	25	22
CN200625PU	200 Series Channel Nut with 5/8" Bolt size Polyurethane	Ea	25	22
CN200750PU	200 Series Channel Nut with 3/4" Bolt size Polyurethane	Ea	25	22
SN100250PU	100 Series Channel Spring Nut with 1/4" Bolt size Polyurethane	Ea	25	23
SN100375PU	100 Series Channel Spring Nut with 3/8" Bolt size Polyurethane	Ea	25	23
SN100500PU	100 Series Channel Spring Nut with 1/2" Bolt size Polyurethane	Ea	25	23
SN200250PU	200 Series Channel Spring Nut with 1/4" Bolt size Polyurethane	Ea	25	23
SN200375PU	200 Series Channel Spring Nut with 3/8" Bolt size Polyurethane	Ea	25	23
SN200500PU	200 Series Channel Spring Nut with 1/2" Bolt size Polyurethane	Ea	25	23
B250PU100	1/4" x 1" Polyurethane Bolt	Ea	25	24
FB250PU100	1/4" x 1" Polyurethane Flanged Bolt	Ea	25	24
B250PU125	1/4" x 1 1/4" Polyurethane Bolt	Ea	25	24
FB250PU125	1/4" x 1 1/4" Polyurethane Flanged Bolt	Ea	25	24
N312PU100	5/16" x 1" Polyurethane Bolt	Ea	25	24
N312PU125	5/16" x 1 1/4" Polyurethane Bolt	Ea	25	24
N312PU150	5/16" x 1 1/2" Polyurethane Bolt	Ea	25	24
B375PU100	3/8" x 1" Polyurethane Bolt	Ea	25	24
FB375PU100	3/8" x 1" Polyurethane Flanged Bolt	Ea	25	24
B375PU125	3/8" x 1 1/4" Polyurethane Bolt	Ea	25	24



StrutTech

Part #	Description	Unit \$	Min Qty	P
FB375PU125	3/8" x 1 1/4" Polyurethane Flanged Bolt	Ea	25	24
B375PU150	3/8" x 1 1/2" Polyurethane Bolt	Ea	25	24
FB375PU150	3/8" x 1 1/2" Polyurethane Flanged Bolt	Ea	25	24
B375PU200	3/8" x 2" Polyurethane Bolt	Ea	25	24
FB375PU200	3/8" x 2" Polyurethane Flanged Bolt	Ea	25	24
B375PU250	3/8" x 2 1/2" Polyurethane Bolt	Ea	25	24
FB375PU250	3/8" x 2 1/2" Polyurethane Flanged Bolt	Ea	25	24
B375PU300	3/8" x 3" Polyurethane Bolt	Ea	25	24
FB375PU300	3/8" x 3" Polyurethane Flanged Bolt	Ea	25	24
B500PU100	1/2" x 1" Polyurethane Bolt	Ea	25	24
FB500PU100	1/2" x 1" Polyurethane Flanged Bolt	Ea	25	24
B500PU125	1/2" x 1 1/4" Polyurethane Bolt	Ea	25	24
FB500PU125	1/2" x 1 1/4" Polyurethane Flanged Bolt	Ea	25	24
B500PU150	1/2" x 1 1/2" Polyurethane Bolt	Ea	25	24
FB500PU150	1/2" x 1 1/2" Polyurethane Flanged Bolt	Ea	25	24
B500PU200	1/2" x 2" Polyurethane Bolt	Ea	25	24
FB500PU200	1/2" x 2" Polyurethane Flanged Bolt	Ea	25	24
B500PU250	1/2" x 2 1/2" Polyurethane Bolt	Ea	25	24
FB500PU250	1/2" x 2 1/2" Polyurethane Flanged Bolt	Ea	25	24
B500PU300	1/2" x 3" Polyurethane Bolt	Ea	25	24
FB500PU300	1/2" x 3" Polyurethane Flanged Bolt	Ea	25	24
B500PU350	1/2" x 3 1/2" Polyurethane Bolt	Ea	25	24
FB500PU350	1/2" x 3 1/2" Polyurethane Flanged Bolt	Ea	25	24
N250PU	1/4" Polyurethane Nut	Ea	25	25
312PU	5/16" Polyurethane Nut	Ea	25	25
N375PU	3/8" Polyurethane Nut	Ea	25	25
N500PU	1/2" Polyurethane Nut	Ea	25	25
N625PU	5/8" Polyurethane Nut	Ea	25	25
N750PU	3/4" Polyurethane Nut	Ea	25	25
N1000PU	1" Polyurethane Nut	Ea	25	25
FN375PU	3/8" Polyurethane Flanged Nut	Ea	25	25
FN500PU	1/2" Polyurethane Flanged Nut	Ea	25	25
FN625PU	5/8" Polyurethane Flanged Nut	Ea	25	25
FN750PU	3/4" Polyurethane Flanged Nut	Ea	25	25
FN1000PU	1" Polyurethane Flanged Nut	Ea	25	25



Part #	Description	Unit \$	Min Qty	P
W375PU	3/8" Polyurethane Washer	Ea	25	25
W500PU	1/2" Polyurethane Washer	Ea	25	25
W625PU	5/8" Polyurethane Washer	Ea	25	25
W750PU	3/4" Polyurethane Washer	Ea	25	25
W1000PU	1" Polyurethane Washer	Ea	25	25
AL375VF	3/8" Vinylester Fiberglass All Thread	LF		26
AL375SS	3/8" 316 Stainless Steel All Thread	LF		26
AL500VF	1/2" Vinylester Fiberglass All Thread	LF		26
AL500SS	1/2" 316 Stainless Steel All Thread	LF		26
AL625VF	5/8" Vinylester Fiberglass All Thread	LF		26
AL625SS	5/8" 316 Stainless Steel All Thread	LF		26
AL750VF	3/4" Vinylester Fiberglass All Thread	LF		26
AL750SS	3/4" 316 Stainless Steel All Thread	LF		26
AL1000VF	1" Vinylester Fiberglass All Thread	LF		26
AL1000SS	1" 316 Stainless Steel All Thread	LF		26
CU375PU	3/8" All thread Polyurethane Rod Coupler	Ea	Ea	27
CU375SS	3/8" 316 Stainless Steel Rod Coupler	Ea	Ea	27
CU500PU	1/2" All thread Polyurethane Rod Coupler	Ea	Ea	27
CU500SS	1/2" 316 Stainless Steel Rod Coupler	Ea	Ea	27
CU625PU	5/8" All thread Polyurethane Rod Coupler	Ea	Ea	27
CU625SS	5/8" 316 Stainless Steel Rod Coupler	Ea	Ea	27
CU750PU	3/4" All thread Polyurethane Rod Coupler	Ea	Ea	27
CU750SS	3/4" 316 Stainless Steel Rod Coupler	Ea	Ea	27
CU1000PU	1" All thread Polyurethane Rod Coupler	Ea	Ea	27
CU1000SS	1" 316 Stainless Steel Rod Coupler	Ea	Ea	27
BC500VFSS-CN-2	1/2" Beam Clip Assembly with 3/8" SS Bolt & Channel Nut	Ea	Ea	28
BC500VFPU-CN-2	1/2" Beam Clip Assembly with 1/2" PU Bolt & Channel Nut	Ea	Ea	28
BC500VFSS-SN-2	1/2" Beam Clip Assembly with 3/8" SS Bolt & Spring Nut	Ea	Ea	28
BC500VFPU-SN-2	1/2" Beam Clip Assembly with 1/2" PU Bolt & Spring Nut	Ea	Ea	28
BCS250VF-2	1/4" Beam Clip Shims Vinylester (2 ea.)	Pr	Pr	28
BCS375VF-2	3/8" Beam Clip Shims Vinylester (2 ea.)	Pr	Pr	28
BCS500VF-2	1/2" Beam Clip Shims Vinylester (2 ea.)	Pr	Pr	28



<b>Part #</b>	<b>Description</b>	<b>Unit \$</b>	<b>Min Qty</b>	<b>P</b>
LBC375PU	Large Beam Clamp for 3/8"-16 Polyurethane with SS Bolt	Ea	Ea	29
LBC500PU	Large Beam Clamp for 1/2"-13 Polyurethane with SS Bolt	Ea	Ea	29
LBCR375PU	Large Beam Clamp Retaining Clip for 3/8"-16 Polyurethane	Ea	Ea	29
LBCR500PU	Large Beam Clamp Retaining Clip for 1/2"-13 Polyurethane	Ea	Ea	29
SBC375PU	Small Beam Clamp for 3/8"-16 Polyurethane with SS Bolt	Ea	Ea	29
SBC500PU	Small Beam Clamp for 1/2"-13 Polyurethane with SS Bolt	Ea	Ea	29

# SUBMITTAL

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

**Architect/Engineer:** \_\_\_\_\_

**Email:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Project Name:** \_\_\_\_\_

**Submittal Data Attached:** \_\_\_\_\_

**From:** \_\_\_\_\_

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

**Email:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Note:** \_\_\_\_\_

\_\_\_\_\_

Engineers Approval:

☐ Approved no exceptions taken. BY: \_\_\_\_\_

☐ Approved with exceptions: \_\_\_\_\_

☐ Not Approved, Resubmit \_\_\_\_\_