LOADING INFORMATION – BEAM LOADS: The charts below list the total allowable uniform load for various simple spans based on a minimum safety factor of 2. If the load is concentrated at center span, multiply the load from the above charts by 0.5 and the corresponding deflection by 0.8.
Notes: All beams should be supported in a manner to prevent rotation at supports. Long, deep beams should be tied between supports to prevent twist.

Beam Loading Data for Glass Reinforced Polyester Resin

Beam Span	Part No.	Maximum Allowable Beam Load		Deflection at Maximum Allowable Beam Load		Allowable Load @ Deflection =			
						1/240 Span		1/360 Span	
		lbs.	N	in.	mm	lbs.	N	lbs.	N
12" (305)	SSP-100	793	3527	0.106	2.69	373	1659	249	1107
	SSP-100-D	2301	10235	0.060	1.52	1928	8576	1285	5715
	SSP-158	1783	7931	0.067	1.70	1327	5902	885	3936
	SSP-158-D	5172	23005	0.037	.94	5172	23005	4696	20888
24" (609)	SSPP-100	397	1766	0.425	10.79	93	413	62	276
	SSP-100-D	1150	5115	0.239	6.07	482	2144	321	1428
	SSP-158	891	3963	0.269	6.83	332	1477	221	983
	SSP-158-D	2586	11502	0.147	3.73	1761	7833	1174	5222
36" (914)	SSP-100	264	1174	0.957	24.31	41	182	28	124
	SSP-100-D	767	3411	0.537	13.64	214	952	143	636
	SSP-158	594	2642	0.604	15.34	147	654	98	436
	SSP-158-D	1724	7668	0.330	8.38	783	3483	522	2322

Beam Loading Data for Glass Reinforced Vinylester Resin

Beam Span	Part No.	Maximum Allowable Beam Load		Deflection at Maximum Allowable Beam Load		Allowable Load @ Deflection =			
						1/240 Span		1/360 Span	
		lbs.	N	in.	mm	lbs.	N	lbs.	N
12" (304)	SSV-100	988	4394	0.112	2.84	441	1961	294	1308
	SSV-100-D	2866	12748	0.063	1.60	2279	10137	1519	6756
	SSV-158	2221	9879	0.071	1.80	1569	6979	1046	4652
	SSV-158-D	6443	28658	0.039	.99	6443	28658	5550	24686
24" (609)	SSV-100	494	2197	0.448	11.38	110	489	73	325
	SSV-100-D	1433	6374	0.252	6.40	570	2535	380	1690
	SSV-158	1110	4937	0.283	7.19	392	1743	261	1161
	SSV-158-D	3221	14327	0.155	3.94	2081	9256	1387	6169
36" (914)	SSV-100	329	1463	1.009	25.63	49	218	33	147
	SSV-100-D	955	4248	0.566	14.37	253	1125	169	752
	SSV-158	740	3291	0.637	16.18	174	774	116	516
	SSV-158-D	2148	9554	0.348	8.84	925	4114	617	2744

Recommended Guideline: *Published design loads are based on usage at 70°F (21°C) and must be reduced for continuous exposure to higher temperatures. Refer to the chart at right for high temperature applications.*

Temperature	Design Load Multiplier
75° F (24° C)	100%
100° F (38° C)	90%
125° F (52° C)	78%
150° F (66° C)	68%
175° F (79° C)	60%
200° F (93° C)	52%

Note: *Throughout this catalog, dimensions shown as metric or in parentheses are in millimeters, unless otherwise specified.*

Non-metallic Threaded Hardware

Part No.	Thread Size	Design Load		Max Torque		Weight / C	
		lbs.	N	in-lbs	N-m	lbs.	g
F516100 5/16 x 1	5/16" - 18	190	845	30	3.4	.4	181
F516114 5/16 x 1-1/4	5/16" - 18	190	845	30	3.4	.4	181
F38100 3/8 x 1	3/8" - 16	300	1334	45	5.1	.9	408
F38114 3/8 x 1-1/4	3/8" - 16	300	1334	45	5.1	1.1	499
F38212 3/8 x 2-1/2	3/8" - 16	300	1334	45	5.1	1.5	680
F12100 1/2 x 1	1/2" - 13	490	2180	110	12.4	1.4	635
F12114 1/2 x 1-1/4	1/2" - 13	490	2180	110	12.4	1.8	816
F12212 1/2 x 2-1/2	1/2" - 13	490	2180	110	12.4	3.7	1678

Safety Factor of 3 on Design Load.

Hex Head Bolt

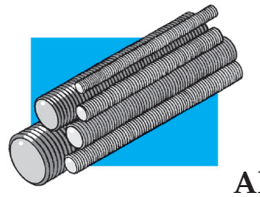
Part No.	Thread Size	'H'		Weight / C	
		in.	mm	lbs.	g
F38HN	3/8" - 16	21/64	8	.3	136
F12HN	1/2" - 13	7/16	11	.7	318
F58HN	5/8" - 11	35/64	14	1.4	635

Note: 3/4" & 1" sizes are available.

Hex Nut

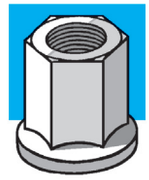
Part No.	Thread Size	Design Load		Max Torque		Weight / C	
		lbs.	N	in-lbs	N-m	lbs.	g
F38AT	3/8" - 16	425	1890	45	5.1	.08	36
F12AT	1/2" - 13	750	3336	110	12.4	.13	59
F58AT	5/8" - 11	950	4226	230	26.0	.21	95

Safety Factor of 3 on Design Load. Note: 3/4" & 1" sizes are available.



All-Thread Rod

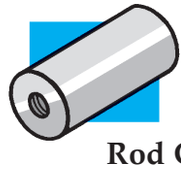
Part No.	Thread Size	'H'		Weight / C	
		in.	mm	lbs.	g
F38ATHN	3/8" - 16	3/4	19	.8	376
F12ATHN	1/2" - 13	7/8	22	1.7	771



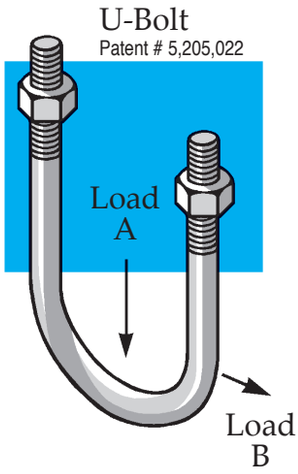
All-Thread Rod
Hex Nut

Part No.	Thread Size	Weight / C	
		lbs.	g
FRC38	3/8" - 16	7.4	3357
FRC12	1/2" - 13	11.3	5118
FRC58	5/8" - 11	16.7	7575

Note: 3/4" & 1" sizes are available.



Rod Coupler



Part No.	Nominal Pipe Size		Design Load A		Design Load B		Max. Torque		Weight / C	
	in.	mm	lbs.	N	lbs.	N	in.- lbs.	N-m	lbs.	g
FUB050	1/2	15	300	1334	150	667	30	3.4	3.5	1588
FUB075	3/4	20	300	1334	150	667	30	3.4	3.9	1769
FUB100	1	25	300	1334	150	667	30	3.4	4.4	1996
FUB114	1-1/4	32	300	1334	150	667	30	3.4	4.8	2177
FUB112	1-1/2	40	300	1334	150	667	30	3.4	5.2	2359
FUB200	2	50	600	2669	200	890	60	6.8	7.7	3493
FUB212	2-1/2	65	600	2669	200	890	60	6.8	10.2	4627
FUB300	3	80	600	2669	200	890	60	6.8	12.6	5715
FUB312	3-1/2	90	600	2669	200	890	60	6.8	15.1	6849
FUB400	4	100	600	2669	200	890	60	6.8	17.6	7983

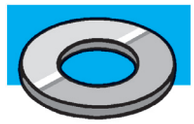
Safety Factor of 3 on Design Load.

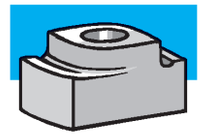
Part No. w/spring	Part No. w/o spring	Thread	Pull-Out		Slip Resistance		Max. Torque		Weight / C	
			lbs.	N	lbs.	N	in.- lbs.	N-m	lbs.	g
FCN38	FCN38WO	3/8 – 16	300	1334	150	667	200	22.6	2.3	1043
FCN12	FCN12WO	1/2 – 13	300	1334	150	667	200	22.6	2.3	1043

Safety Factor of 3 on Design Load. Note: 1/4" & 5/16" sizes are available.

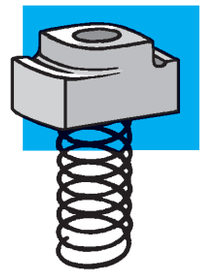
Part No.	Hole Size	Weight / C	
	in.	lbs.	g
F38W	3/8"	.5	227
F12W	1/2"	.5	227
F58W	5/8"	.5	227
F34W	3/4"	.5	227
F100W	1"	.5	227

Flat Washer





Channel Nut



Channel Nut w/ Spring

SPRAY SEALANT

To reseal fiberglass after field modifications.
Catalog No. Clear-1215
12 fl. oz. spray acrylic

BRUSH-ON RESIN SEAL KIT

To reseal fiberglass after field modifications.

Catalog No.
8-2-Seal 1 pint 8-2-Seal-QT 1 quart
Contents: Resin, Catalyst, Stir Stick & Applicator.

All resin seal kits are Vinyl Ester Resin.

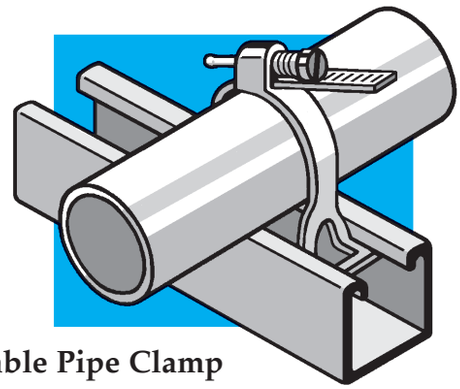
Pipe Clamps

Part No.	Nominal Pipe Size		Pipe O.D. Range		Design Load		Max. Torque	
	in.	mm	in.	mm	lbs.	N	in.- lbs.	N-m
SAPC050	1/2 to 3/4	15, 20	75 to 1.05	19 to 28	75	.33	15	1.69
SAPC100	1 to 1-1/2	25, 40	1.05 to 1.90	29 to 48	150	.67	22	2.48
SAPC112	1-1/2 to 2-1/2	40, 65	1.90 to 2.87	48 to 73	150	.67	22	2.48
SAPC212	2-1/2 to 3-1/2	65, 90	2.87 to 4.0	73 to 101	150	.67	22	2.48

Safety Factor of 3 on Design Load.

NOT RECOMMENDED for Vertical Installation Without Additional Supports

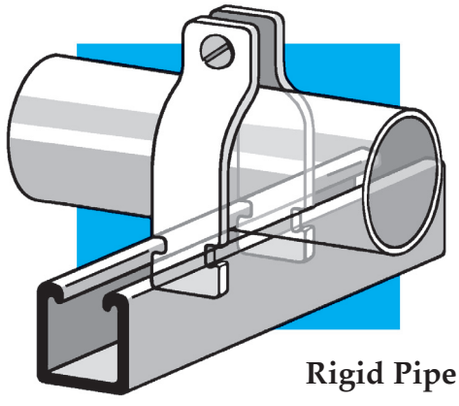
Note: *Throughout this catalog, dimensions shown as metric or in parentheses are in millimeters, unless otherwise specified.*



Adjustable Pipe Clamp

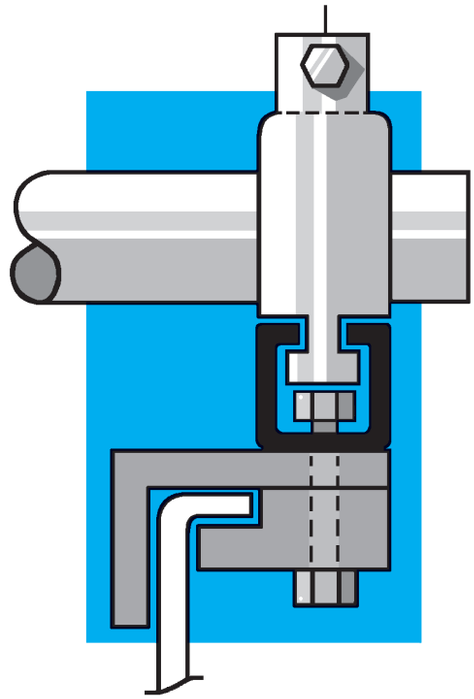
Part No.	Nominal Pipe Size		Design Load		Max. Torque	
	in.	mm	lbs.	N	in.-lbs.	N-m
SRPC050	1/2	15	300	1.33	10	1.13
SRPC075	3/4	20	300	1.33	10	1.13
SRPC100	1	25	300	1.33	10	1.13
SRPC114	1-1/4	32	300	1.33	10	1.13
SRPC112	1-1/2	40	300	1.33	10	1.13
SRPC200	2	50	300	1.33	10	1.13
SRPC212	2-1/2	65	300	1.33	10	1.13
SRPC300	3	80	300	1.33	10	1.13
SRPC312	3-1/2	90	300	1.33	10	1.13
SRPC400	4	100	300	1.33	10	1.13

Safety Factor of 3 on Design Load.



NOT RECOMMENDED for Vertical Installation Without Additional Supports

Rigid Pipe Clamp

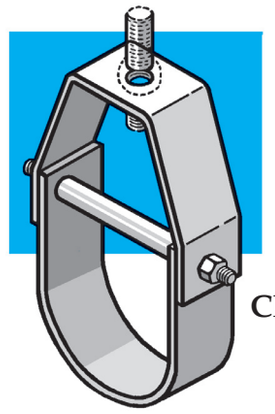


Conduit Swivel Clamp SCSC – (CTD)

Cable Tray Designation (CTD) Required. (Ex. 6CP,4P).
Pipe Clamps are a separate order item.

Part No.	Nominal Pipe Size		Maximum Pipe O.D.		Hanger Rod Size	Design Load	
	in.	mm	in.	mm		lbs.	N
SCH200	2	50	2-1/2	63	1/2" - 13	90	.40
SCH212	2-1/2	65	3-1/4	82	1/2" - 13	120	.54
SCH300	3	80	3-7/8	98	1/2" - 13	160	.71
SCH400	4	100	5	127	5/8" - 11	250	1.12
SCH600	6	150	7	177	5/8" - 11	400	1.79
SCH800	8	200	9	228	5/8" - 11	450	2.01
SCH1000	10	250	11-3/8	289	5/8" - 11	500	2.24
SCH1200	12	300	13-1/2	342	5/8" - 11	600	2.69

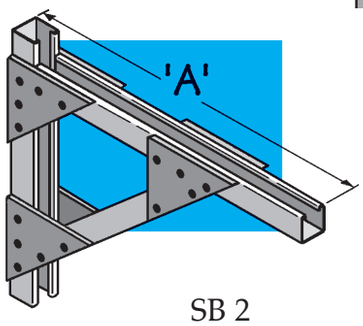
Safety Factor of 3 on Design Loads @ 120°F (49°C).
Insulation may be required at high temperatures.



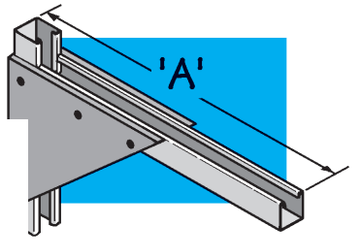
Clevis Hangers

Order hanger rods and nuts separately.

Support Brackets



SB 2



SB 1

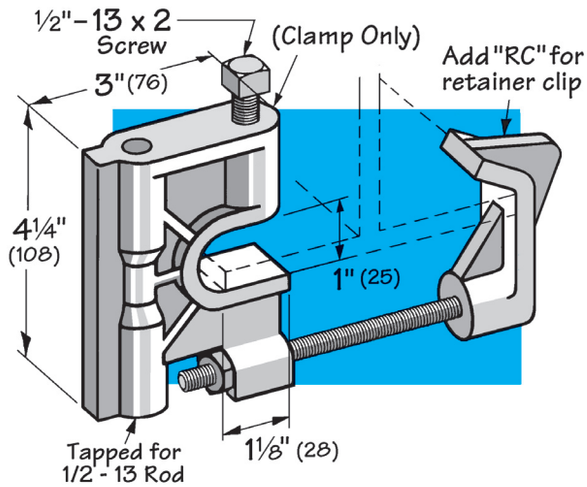
Part No.*	Dimension "A"		Design Load	
	in.	mm	lbs.	N
SB1-06P	10	250	1400	6.22
SB1-09P	13	330	1000	4.45
SB1-12P	16	406	800	3.56
SB1-18P	22	559	675	3.00
SB1-24P	28	711	450	2.00
SB2-24P	28	711	750	3.33
SB2-30P	34	863	750	3.33
SB2-36P	40	1016	750	3.33

*Substitute "V" for "P" when Vinylester Resin is needed.
Design loads based on uniform loading with a Safety Factor of 3.

Beam Clamp

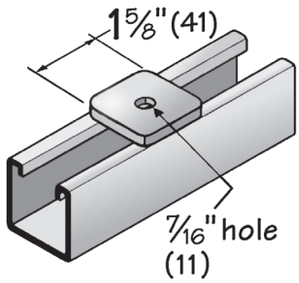
Part No.	Description	Design Load	
		lbs. / ft.	kg / m
SBC	Beam Clamp	800	3.56
SBC-RC	Beam Clamp w/ clip	800	3.56

Safety Factor of 3 on Design Load.

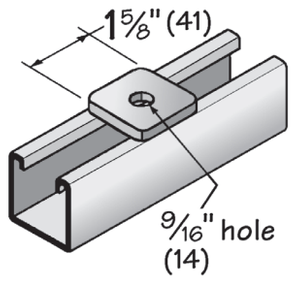


seasafe®

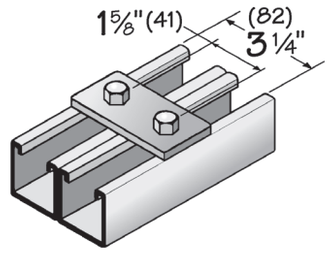
Fittings



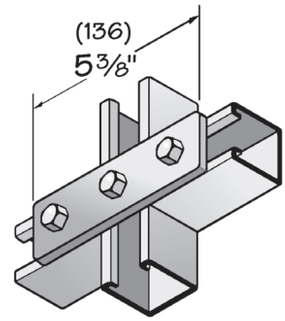
SFP-1S7



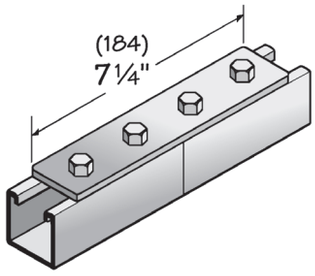
SFP-1S9



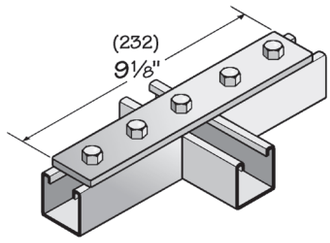
SFP-2S



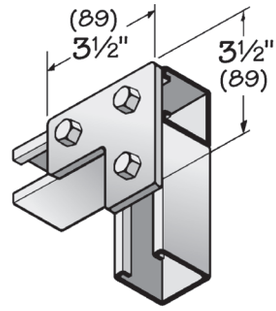
SFP-3S



SFP-4S



SFP-5S



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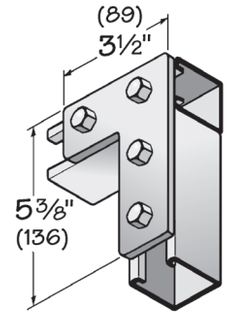

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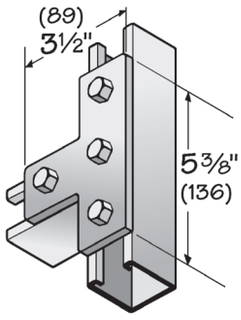

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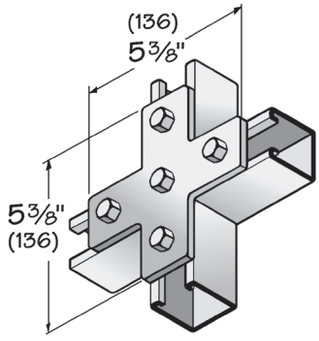
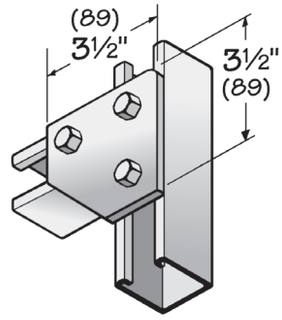
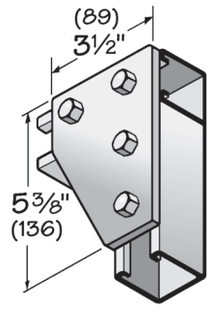


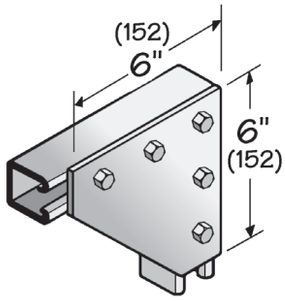
SFP-5HX



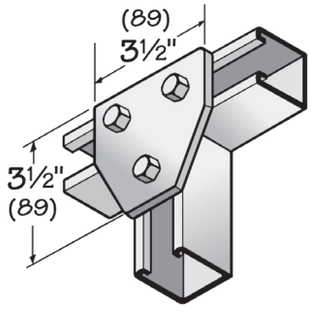
SFP-3HCG



SFP-4HCG



SFP-5HCG



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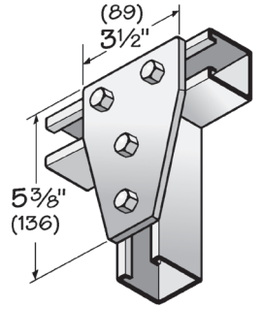

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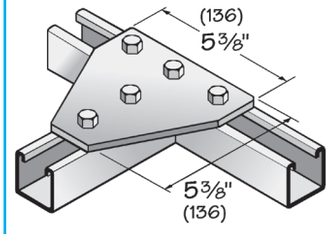
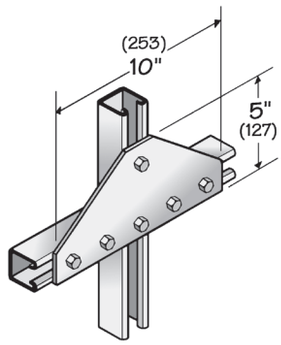


SFP-5HTG

All fittings are 1-5/8" (41) wide and 1/4" (6) thick unless specified otherwise. All holes are 13/32" (10) diameter unless specified otherwise.



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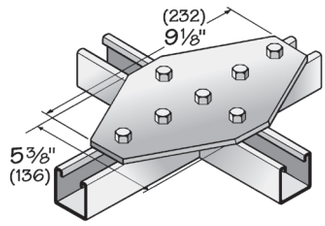

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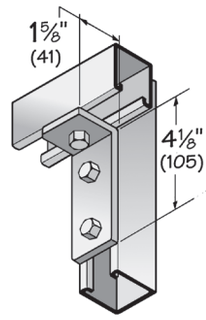

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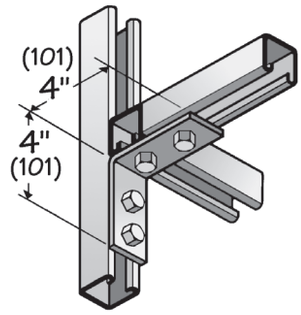

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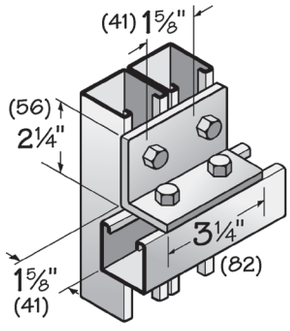

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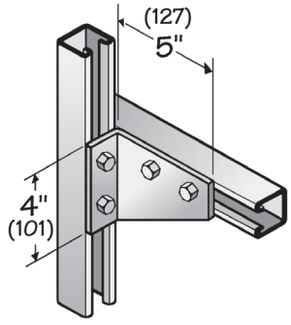

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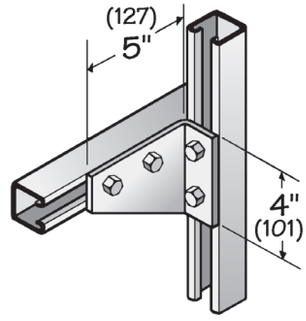

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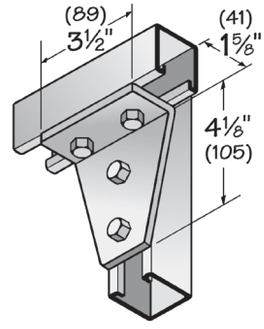

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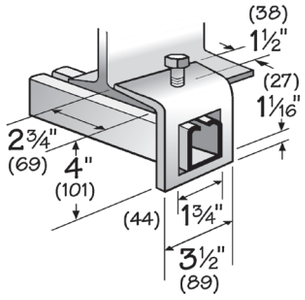
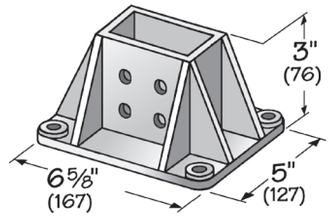


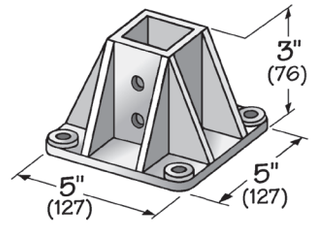
Window Clamp

SWC-158



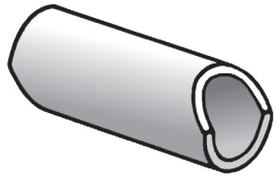
Double Base

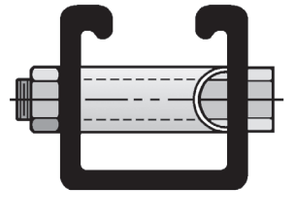
SSV-DBase



Single Base

SSV-SBase





Channel Spacer (for 3/8" rod)

SCSP-158

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