



STRUT CHANNEL

Sasco offers an extensive range of sizes, gauges and multiple combinations of strut channels. Each channel incorporates a continuous slot along the full length and intumed edges that allow infinite design possibilities and cost effective installations. Standard lengths are 10 feet (-120) and 20 feet (-240). Custom lengths are also available. Many Sasco Strut Channels are CSA certified for use as electrical raceways when used as outlined on [page 33](#).

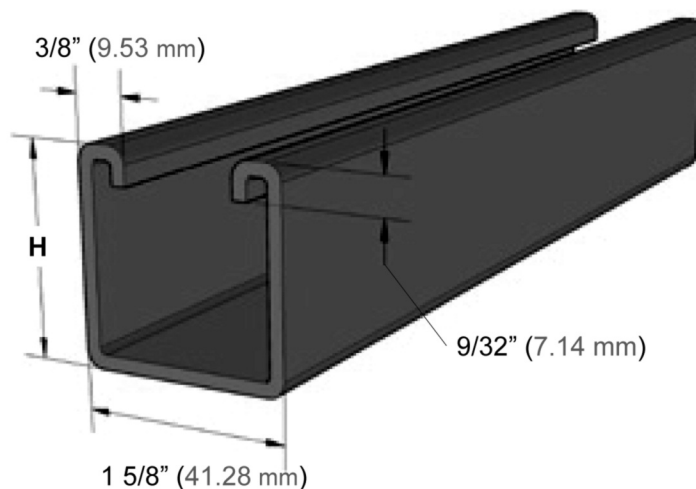
SINGLE CHANNEL

STEEL

Channel Prefix	H (In)	H (mm)	Thickness (Ga.)
S9	3 1/4	82.55	12
S1	2 7/16	61.91	12
S2	1 5/8	41.28	12
S4	1 5/8	41.28	14
S3	1 5/8	41.28	16
S8	1 3/8	34.93	12
S5	1	25.40	12
S7	13/16	20.64	14
S6	13/16	20.64	16

Finishes:

Pre-galvanized (standard)	G
Hot Dip Galvanized	HG
Plain Steel	P



Add finish and length in inches to Channel Prefix above for Catalogue No. (S2G-120).

Single channel strut can be cut to custom lengths at the factory.

Special coatings (paint, epoxy, PVC) can be supplied to your specification.

Steel Strut Channels are roll formed from 33,000 psi steel.

Engineering data [page 39](#).



ALUMINUM

Catalogue Prefix	H (Inches)	H (mm)	Thickness (Inches)	Alloy/Temper
S1AL-	2 7/16	61.91	0.081	6063/T5
S2AL-	1 5/8	41.28	0.081	6063/T5
SH2AL-	1 5/8	41.28	0.103	6005A/T5
S6AL-	13/16	20.64	0.070	6063/T5

Aluminum Strut Channels are extruded.

Add length in inches to Catalogue Prefix when ordering (S1AL-120).

Standard lengths are 10 feet (-120) and 20 feet (-240).

Single channel strut can be cut to custom lengths at the factory.

STAINLESS STEEL

Catalogue Prefix	H (Inches)	H (mm)	Thickness (Inches)	Type
S2SS4	1 5/8	41.28	0.090	T304
S2SS6	1 5/8	41.28	0.090	T316
S5SS4	1	25.40	0.090	T304
S5SS6	1	25.40	0.090	T316

Strut Channels other than S2 and S5 are available in stainless steel T304 and T316. Consult Sasco for availability.

Single channel strut can be cut to custom lengths at the factory.

STRUT CHANNEL: COMBINATIONS BACK-TO-BACK

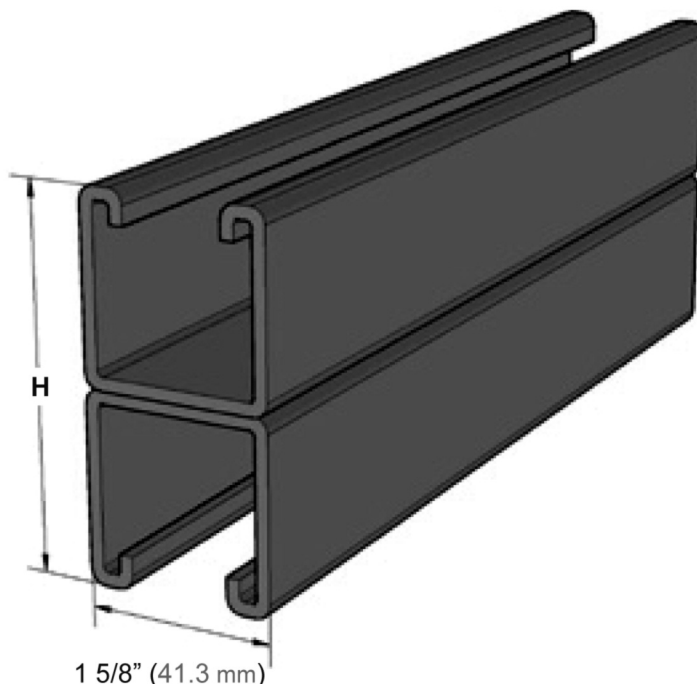


STEEL

Channel Prefix	H (Inches)	H (mm)	Thickness (Ga.)
S9BB-	6 1/2	165.10	12
S1BB-	4 7/8	123.83	12
S2BB-	3 1/4	82.55	12
S4BB-	3 1/4	82.55	14
S3BB-	3 1/4	82.55	16
S8BB-	2 3/4	69.85	12
S5BB-	2	50.80	12
S7BB-	1 5/8	41.28	14
S6BB-	1 5/8	41.28	16

Finishes:

Pre-galvanized (standard)	G
Hot Dip Galvanized	HG
Plain Steel	P



Back-to-back Steel Strut Channels are spot welded on approx. 3" centres.

Standard lengths are 10 feet (-120) and 20 feet (-240).

Double channel strut can be cut to custom lengths at the factory.

Add finish and length in inches to Channel Prefix above for Catalogue No. (S2BB-G-120).

Special coatings (paint, epoxy, PVC) can be supplied to your specification.

Engineering data [page 39](#).



ALUMINUM

Catalogue Prefix	H (Inches)	H (mm)	Thickness (Ga.)	Alloy/Temper
S2BB-AL	3 1/4	82.55	0.081	6063/T5

Back-to-back Aluminum Strut Channel is extruded.

Add length in inches to Channel Prefix when ordering (S2BB-AL-120).

Standard lengths are 10 feet (-120) and 20 feet (-240).

Double channel strut can be cut to custom lengths at the factory.

STAINLESS STEEL

Catalogue Prefix	H (Inches)	H (mm)	Thickness (Ga)	Type
S2BBSS4	3 1/4	82.55	0.090	T304
S2BBSS6	3 1/4	82.55	0.090	T316
S5BBSS4	2	50.80	0.090	T304
S5BBSS6	2	50.80	0.090	T316

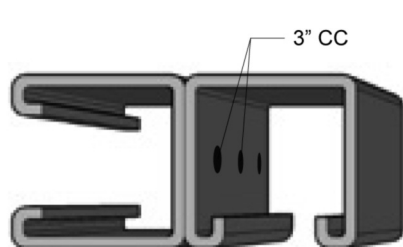
Strut Channels other than S2 and S5 are available in stainless steel T304 and T316. Consult Sasco for availability.

Back-to-back stainless steel channels are spot welded on approximately 3" centres.

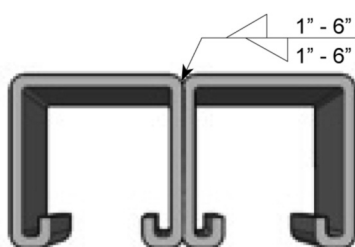
Double channel strut can be cut to custom lengths at the factory.

STRUT CHANNEL: OTHER COMBINATIONS

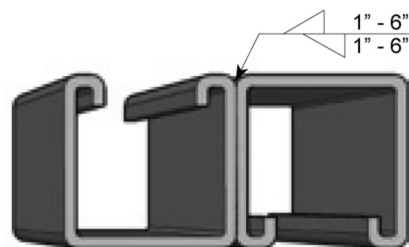
OTHER DOUBLE CHANNEL STEEL AND STAINLESS STEEL COMBINATIONS:



BACK-TO-SIDE



SIDE-TO-SIDE



ONE-UP-ONE-DOWN

Back-to-side (**BS-**) combination strut is spot welded on approximately 3" centers. Side-to-side (**SS-**) and one-up-one-down (**UN-**) combinations are seam welded on ends and on staggered 6" centres (1" bead).

For part numbers, write Single Channel Prefix (page 1), Combination Code (BS-, SS- or UN-), and add finish and length in inches. Similar to Back-to-Back Catalogue Numbers (S2SS-G-120).

Triple combinations in steel and stainless steel are also available. For more details, contact Sasco.

STRUT CHANNEL: PRE-PUNCHED

STRUT CHANNEL: KNOCK-OUT

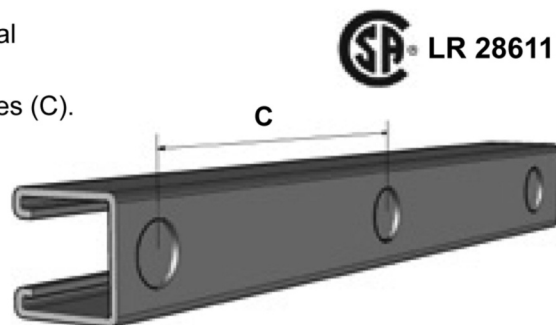
Sasco Knock-Out Channels are CSA certified for use as electrical raceways when used as outlined on [page 33](#).

Knock-outs are 7/8" (22.2 mm) diameter on 6" (152.4 mm) centres (C).

Only available in S2 strut channel.

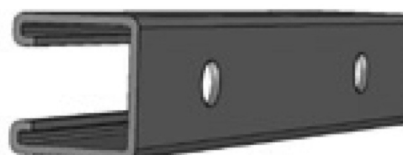
Standard finish is pre-galvanized (G).

Add suffix **KO6**, finish and length in inches to Channel Prefix for Catalogue Number (S2KO6G-120).



TRAPEZE SUPPORTS

Manufactured to meet your requirements. Specify Strut Channel and length, as well as the slot or hole pattern (see Pre-punched Channel on [page 3](#)).



STRUT CHANNEL: PRE-PUNCHED SLOTS



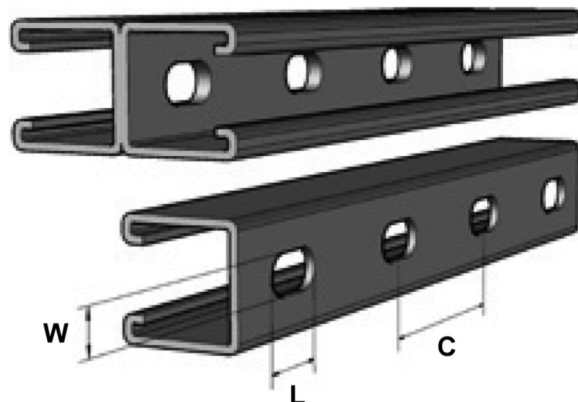
Sasco's Slotted Strut Channels provide adjustment for wall mounting, constructing trapeze supports and other suspension and mounting applications. Available in most single and back to back steel and stainless steel sizes and finishes. Slotted aluminum available in single channel only.

Catalogue Suffix	Slot Size				Centres (C)	
	(W)		(L)		(Inches)	(mm)
SL2	9/16	14.3	1 1/8	28.6	2	50.8
SL4	13/32	10.3	3	76.2	4	101.6
SL6	11/16	17.5	1 1/8	28.6	4	101.6
SL9	9/16	14.3	3	76.2	4	101.6

Standard finish for steel is pre-galvanized (-G). Also available in hot dip galvanized (HG) and in plain steel (P).

For availability of slots in stainless steel (SS), aluminum (AL) and fibreglass (FG), please consult Sasco.

Add suffix above, finish and length in inches to Channel Prefix for catalogue number (S2SL2-G120).

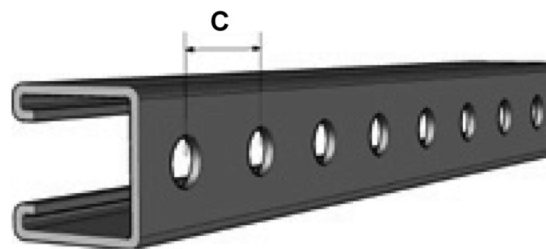


HOLES

Sasco's Pre-Punched Strut Channels facilitate installation of wall mounts, trapeze hangers and other suspension and mounting applications.

Catalogue Suffix	Hole Diameter		Centres (C)	
	(Inches)	(mm)	(Inches)	(mm)
H112	9/16	14.3	1 1/2	38.1

Standard finish for steel is pre-galvanized (-G). Also manufactured in hot dip galvanized (HG), stainless steel (SS) and aluminum (AL). Contact Sasco for availability. Add suffix above, finish and length in inches to Channel Prefix for Catalogue No. (S2H112-G120).



MINI STRUT CHANNEL

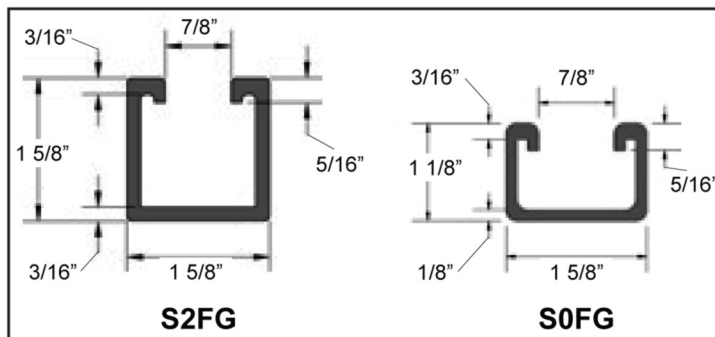
Sasco offers a selection of Mini Strut Channels 13/16" wide.

See [page 38](#) for more information and fittings.

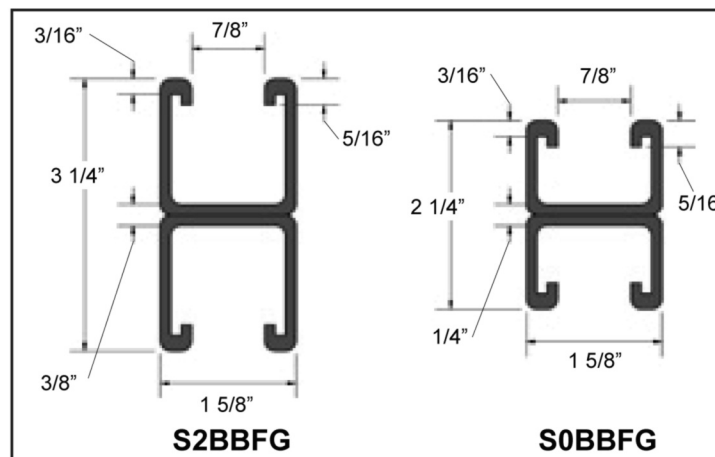


STRUT CHANNEL: FIBREGLASS

Catalogue Prefix	Height		Side Wall Thickness
	(Inches)	(mm)	(Inches)
S0FG	1 1/8	28.58	0.1250
S2FG	1 5/8	41.28	0.1875



Catalogue Prefix	Height		Side Wall Thickness
	(Inches)	(mm)	(Inches)
S0BB-FG	2 1/4	57.15	0.1250
S2BB-FG	3 1/4	82.55	0.1875



Available standard in polyester resin (-P) and upon request in vinylester resin (-V). Consult Sasco for engineering and corrosion data. Standard length is 10 feet (-120). Custom lengths available.

Add resin type and length in inches to Catalogue Prefix when ordering (S2FG-P-120).

CLOSURE STRIP

Sasco Closure Strip is designed to snap into the continuous slot of all 1 5/8" wide Strut Channels including steel, stainless steel, aluminum and fiberglass. Due to the design of the self-retaining feature, Sasco Closure Strip can be removed by prying with a tool, such as a screw driver.

Steel Closure Strip is CSA certified for use on electrical raceways when used as outlined on [page 33](#).

Lengths: 10' (3048 mm)

Finishes: Pre-galvanized part number **S158CS-G** (CSA Certified)
 Plastic (rigid PVC) part number **S158CSPLAS** (not CSA Certified)



STRUT CHANNEL: CONCRETE INSERT - STEEL

Sasco's Concrete Insert Strut Channels installed in reinforced concrete provide a continuous slot for the precise location of cable, conduit, pipe, hanger rods or frames.

Install Sasco Concrete Insert Strut Channel across the anticipated area of use to save time and money by eliminating the need to drill and install anchors. Use in walls, floors and ceilings.

All inserts are shipped complete with two Anchor Caps and foam filler. This filler resists the entrance of wet concrete and is easily removed.

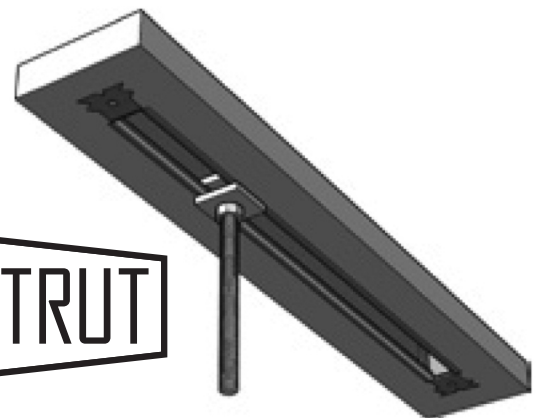
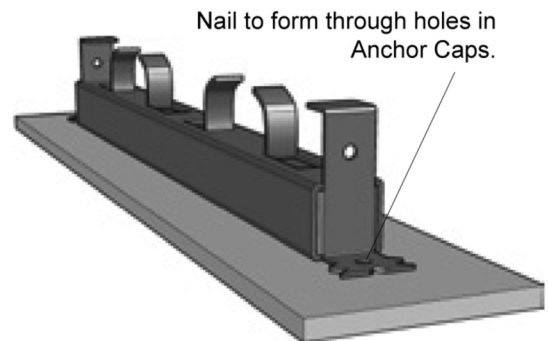
Catalogue Prefix	Height (Inches)	Height (mm)	Maximum Allowable Point Load*	
			(Lbs/ft)	(kg/m)
S2CI-	1 5/8	41.3	2000	2975
S5CI-	1	25.4	1750	2600

*Based on 3500 psi concrete and a safety factor of 3.
 The minimum spacing between point loads is 12". Reduce load by 50% if load is located within 2" of an end.

Standard finish is pre-galvanized (-G)**. Also available in hot dip galvanized (HG)**. **Note: Anchor Caps are electroplated zinc.



Add finish and length in inches to Catalogue Prefix above for Catalogue No. (S2CI-36-G). For lengths less than 10 inches (254 mm), see Spot Inserts below.

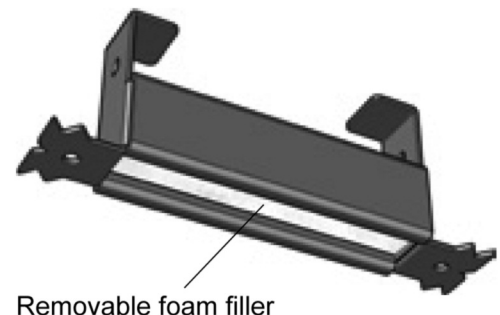


Remove form.
 Remove filler.
 Insert Clamping Nuts and install rod or fitting.

SPOT INSERTS

Catalogue Prefix	Length (Inches)	Length (mm)	Maximum Allowable Point Load*	
			(Lbs)	(kg)
S2CI-3-	3	76.2	500	226.8
S2CI-6-	6	152.4	1000	453.6
S2CI-9-	9	228.6	1200	544.3
S5CI-3-	3	76.2	400	181.4
S5CI-6-	6	152.4	750	340.2
S5CI-9-	9	228.6	1000	453.6

*Based on 3500 psi concrete and a safety factor of 3.
 Finishes specified as above (S2CI-6-G).



CONCRETE INSERT ANCHOR CAPS

S2CI-EG for use with S2CI- Concrete Insert Strut Channel.

S5CI-EG for use with S5CI- Concrete Insert Strut Channel.





PIPE CLAMPS

Sasco's Two-Piece Pipe Clamps provide ease of installation and infinite adjustability along the channel's continuous slot. 20 to 30% more conduits can be mounted in a given area compared to U-bolts, and up to 40% more than with one-hole pipe straps. These Two-Piece Pipe Clamps may be used with all sizes of 1 5/8" wide Sasco Strut Channel.

For Thin Wall Conduit (EMT):

Conduit Size (Inches)	Outside Diameter (Inches)	Diameter (mm)	Catalogue Prefix
3/8	0.577	14.66	S38TW
1/2	0.706	17.93	S12TW
3/4	0.922	23.42	S34TW
1	1.163	29.54	S1TW
1 1/4	1.510	38.35	S114TW
1 1/2	1.740	44.20	S112TW
2	2.197	55.80	S2TW

For sizes larger than 2" (50.8 mm), use equivalent Rigid Conduit Pipe Clamp.

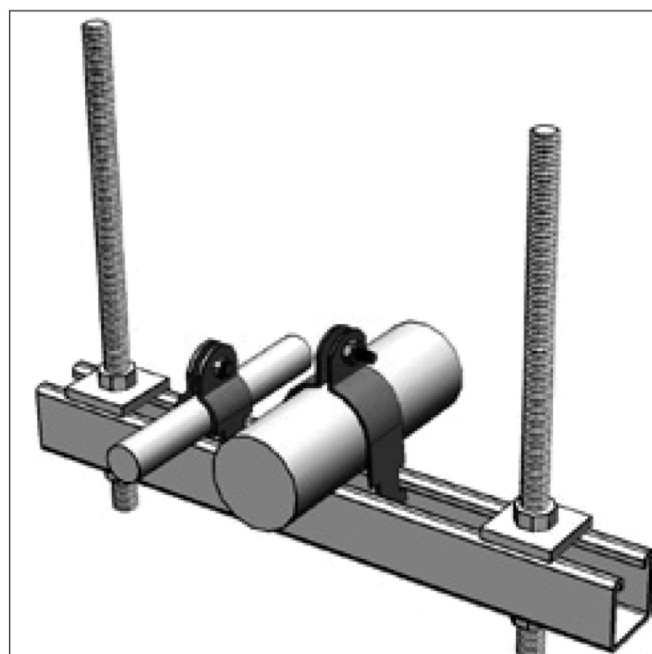
For Rigid Conduit:

Conduit Size (Inches)	Outside Diameter (Inches)	Diameter (mm)	Catalogue Prefix
3/8	0.675	17.15	S38R
1/2	0.840	21.34	S12R
3/4	1.050	26.67	S34R
1	1.315	33.40	S1R
1 1/4	1.660	42.16	S114R
1 1/2	1.900	48.26	S112R
2	2.375	60.33	S2R
2 1/2	2.875	73.03	S212R
3	3.500	88.90	S3R
3 1/2	4.000	101.60	S312R
4	4.500	114.30	S4R
5	5.563	141.29	S5R
6	6.625	168.28	S6R
8	8.625	219.08	S8R
10	10.750	273.05	S10.0R
12	12.750	323.85	S12.0R

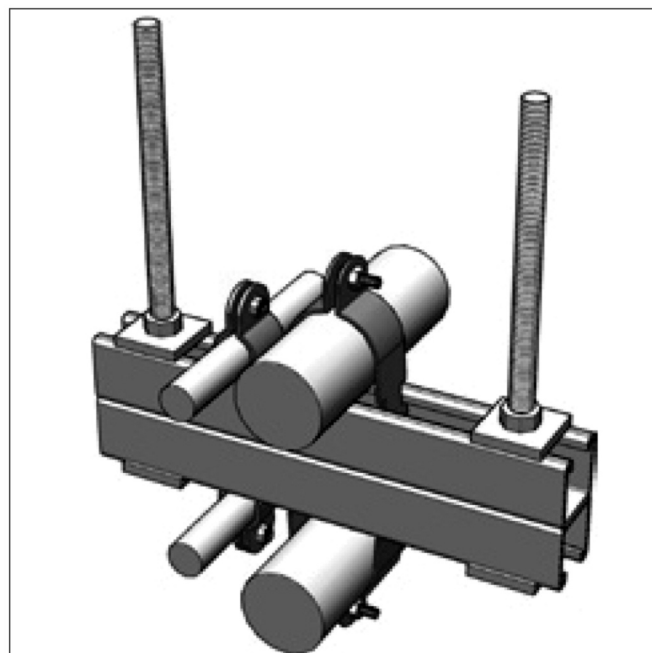
Finishes:

Pre-galvanized (standard)	-G
Hot Dip Galvanized	-HG
Stainless Steel Type 316	-SS
Aluminum	-AL
Fibreglass	-FG

Add finish to Catalogue Prefix for Part No. (S38R-SS).



Standard Trapeze Hanger



Double Trapeze Hanger



PIPE CLAMPS

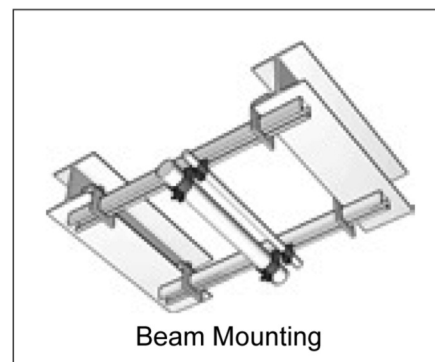
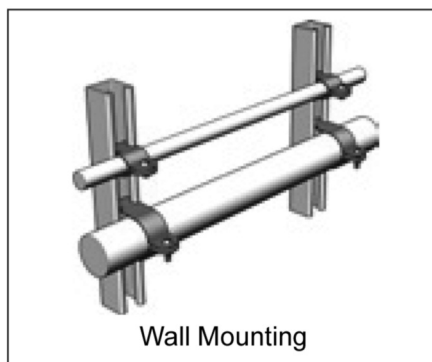
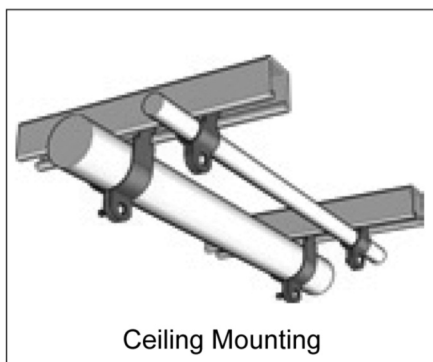
Sasco Outside Diameter Pipe Clamps are typically used for tubing, glass pipe, transite pipe, fibre duct and cable.

Outside Diameter (Inches)	(mm)	Catalogue Prefix	Outside Diameter (Inches)	(mm)	Catalogue Prefix	Outside Diameter (Inches)	(mm)	Catalogue Prefix
1/4	6.35	S140D	4 7/8	123.83	S4780D	8 7/8	225.43	S8780D
3/8	9.53	S380D	5	127.00	S50D	9	228.60	S90D
1/2	12.70	S120D	5 1/8	130.18	S5180D	9 1/8	231.78	S9180D
5/8	15.88	S580D	5 1/4	133.35	S5140D	9 1/4	234.95	S9140D
3/4	19.05	S340D	5 3/8	136.53	S5380D	9 3/8	238.13	S9380D
7/8	22.23	S780D	5 1/2	139.70	S5120D	9 1/2	241.30	S9120D
1	25.40	S10D	5 5/8	142.88	S5580D	9 5/8	244.48	S9580D
1 1/8	28.58	S1180D	5 3/4	146.05	S5340D	9 3/4	247.65	S9340D
1 1/4	31.75	S1140D	5 7/8	149.23	S5780D	9 7/8	250.83	S9780D
1 3/8	34.93	S1380D	6	152.40	S60D	10	254.00	S100D
1 1/2	38.10	S1120D	6 1/8	155.58	S6180D	10 1/8	257.18	S10180D
2	50.80	S20D	6 1/4	158.75	S6140D	10 1/4	260.35	S10140D
2 1/8	53.98	S2180D	6 3/8	161.93	S6380D	10 3/8	263.53	S10380D
2 1/4	57.15	S2140D	6 1/2	165.10	S6120D	10 1/2	266.70	S10120D
2 1/2	63.50	S2120D	6 3/4	171.45	S6340D	10 5/8	269.88	S10580D
2 5/8	66.68	S2580D	6 7/8	174.63	S6780D	10 7/8	276.23	S10780D
2 3/4	69.85	S2340D	7	177.80	S70D	11	279.40	S110D
3	76.20	S30D	7 1/8	180.98	S7180D	11 1/8	282.58	S11180D
3 1/8	79.38	S3180D	7 1/4	184.15	S7140D	11 1/4	285.75	S11140D
3 1/4	82.55	S3140D	7 3/8	187.33	S7380D	11 3/8	288.93	S11380D
3 3/8	85.73	S3380D	7 1/2	190.50	S7120D	11 1/2	292.10	S11120D
3 5/8	92.08	S3580D	7 5/8	193.68	S7580D	11 5/8	295.28	S11580D
3 3/4	95.25	S3340D	7 3/4	196.85	S7340D	11 3/4	298.45	S11340D
3 7/8	98.43	S3780D	7 7/8	200.03	S7780D	11 7/8	301.63	S11780D
4 1/8	104.78	S4180D	8	203.20	S80D	12	304.80	S12.00D
4 1/4	107.95	S4140D	8 1/8	206.38	S8180D	12 1/8	307.98	S12180D
4 3/8	111.13	S4380D	8 1/4	209.55	S8140D	12 1/4	311.15	S12140D
4 5/8	117.48	S4580D	8 3/8	212.73	S8380D	12 3/8	314.33	S12380D
4 3/4	120.65	S4340D	8 1/2	215.90	S8120D	12 1/2	317.50	S12120D
			8 3/4	222.25	S8340D	12 5/8	320.68	S12580D

Finishes:	Pre-galvanized (standard)	-G
	Hot Dip Galvanized	-HG
	Stainless Steel Type 316	-SS
	Aluminum	-AL
	Fibreglass	-FG

Larger sizes available upon request.

Add finish to Catalogue Prefix for Part No. (S140D-SS).





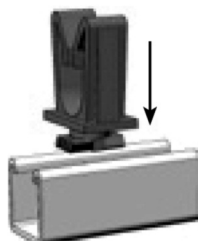
PIPE CLAWS

Sasco Pipe Claws are designed to grab on to tube, pipe or hose and hold it in place. The unique one-piece patent pending design allows for quick, simple and easy installation. They will not rust because they are molded from TPE (thermoplastic elastomer).

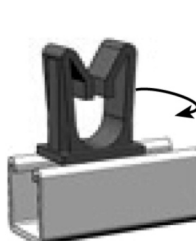
- Quick, simple and easy snap-in of tube, pipe or hose. No tools required.
- Sure Grip base easily rotates into Strut Channel. No tools required.
- TPE (thermoplastic elastomer) will not corrode, and is non-conducting.
- Temp. range of -46 to 135 °C (-50 to 275 °F).
- Works great for interior and exterior applications.
- 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 plain, stainless, hot dip galvanized, pre-galvanized steel, or aluminum clamps.

Installation on Strut:

Insert pipe claw



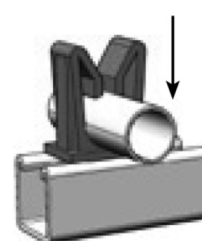
Twist to lock



Align pipe



Snap in place



Installation on Surfaces:

Position clamp



Mount with #10 screw and tighten



Align pipe, snap in

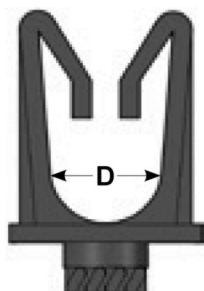


Grooves provide a centring guide.

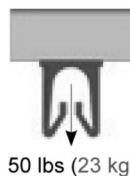
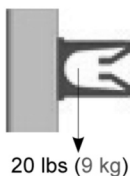
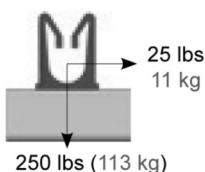
Counter-sunk hole provided for screw head.

Channel allows easy driver access.

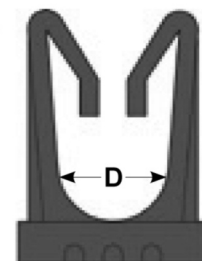
Sasco Pipe Claw for Strut Mounting



Design Loads:



Sasco Pipe Claw for Surface Mounting



For Pipe (Inches)	D (diameter) (Inches) (mm)	Catalogue No.
1/4 OD	0.250 6.35	S140D-CL
3/8 OD	0.375 9.53	S380D-CL
1/2 OD	0.500 12.70	S120D-CL
5/8 OD	0.625 15.88	S580D-CL
3/4 OD	0.750 19.05	S340D-CL
7/8 OD	0.875 22.23	S780D-CL
1 1/8 OD	1.125 28.58	S1180D-CL
1/2 EMT	0.706 17.93	S12TW-CL
3/4 EMT	0.922 23.42	S34TW-CL
1 EMT	1.163 29.54	S1TW-CL

For Pipe (Inches)	D (diameter) (Inches) (mm)	Catalogue No.
1/4 OD	0.250 6.35	S140D-CLH
3/8 OD	0.375 9.53	S380D-CLH
1/2 OD	0.500 12.70	S120D-CLH
5/8 OD	0.625 15.88	S580D-CLH
3/4 OD	0.750 19.05	S340D-CLH
7/8 OD	0.875 22.23	S780D-CLH
1 1/8 OD	1.125 28.58	S1180D-CLH
1/2 EMT	0.706 17.93	S12TW-CLH
3/4 EMT	0.922 23.42	S34TW-CLH
1 EMT	1.163 29.54	S1TW-CLH



ONE-PIECE CABLE CLAMPS

Sasco One-Piece Cable Clamps secure conduit and cables to both 1 5/8" wide Sasco Strut Channels, and ventilated or ladder cable tray. One-piece construction facilitates fast installation and a range of adjustment allows one cable clamp size to accommodate a range of cable sizes.

Clamps for Single Cables or Conduits:

Catalogue Prefix	Outside Dia. Range (In.)	Rigid Conduit		EMT Conduit (In)
Min (In)	Max (In)			
S055	0.050 - 0.625	-	-	3/8
S081	0.310 - 0.875	3/8	1/2	3/8 - 1/2
S125	0.750 - 1.313	1/2	3/4	3/4 - 1
S135	0.850 - 1.375	3/4	1	3/4 - 1
S175	1.250 - 1.875	1	1 1/4	1 1/4 - 1 1/2
S225	1.750 - 2.250	1 1/2	1 1/2	2
S275	2.250 - 2.875	2	2 1/2	-
S325	2.750 - 3.250	2 1/2	2 1/2	-
S375	3.250 - 3.813	3	3	-
S425	3.750 - 4.500	3 1/2	4	-
S475	4.250 - 4.938	4	4	-

Clamps for Two Cables or Conduits:

Available in the above listed sizes. Add suffix **D** to the Catalogue Prefix for the matching outside diameter in the table (S125**D**).

Clamps for Three Cables or Conduits:

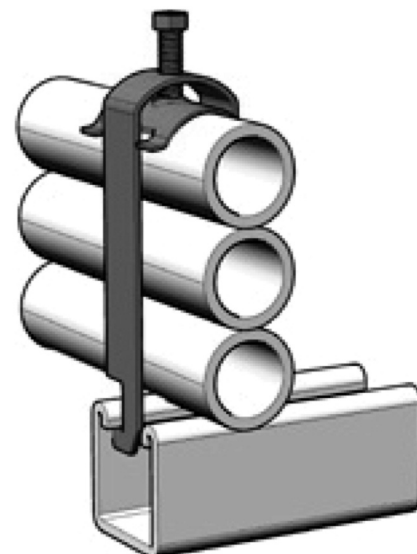
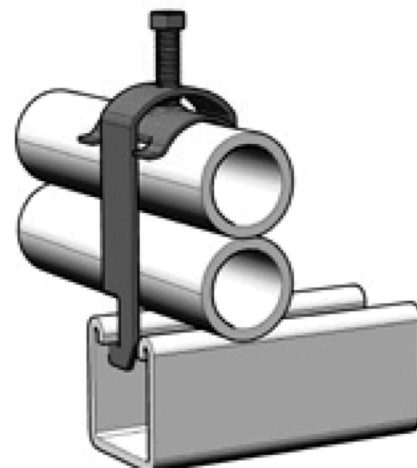
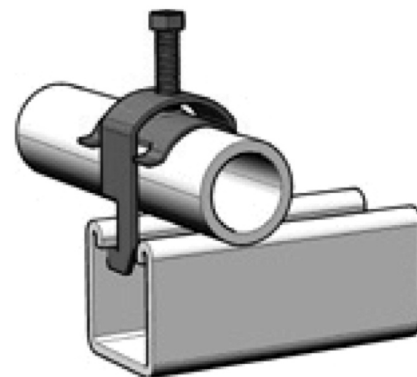
Available in the above listed sizes. Add suffix **T** to the Catalogue Prefix for the matching outside diameter in the table (S125**T**).

Finishes:

Pre-galvanized (standard)	-G
Aluminum	-AL
Stainless Steel Type 316	-SS

Add finish to Catalogue Prefix for Part No. (S125**T-SS**).

To protect cables on the bearing surface of the strut channel or tray, Counter Beds are available. For the Catalogue Number, add the suffix **BED** to the required Cable Clamp Catalogue Prefix (S125**BED**).





PIPE DATA

Steel Pipe Data - Schedules 40 & 80

Pipe Size	OD	Schedule 40		Schedule 80	
		Weight Per Foot		Weight Per Foot	
		Pipe	Pipe Filled with Water	Pipe	Pipe Filled with Water
(In)	(In)	(Lbs)	(Lbs)	(Lbs)	(Lbs)
3/8	0.675	0.567	0.650	0.740	0.801
1/2	0.840	0.850	0.982	1.090	1.191
3/4	1.050	1.130	1.361	1.470	1.657
1	1.315	1.680	2.055	2.170	2.482
1 1/4	1.660	2.270	2.918	3.000	3.556
1 1/2	1.900	2.720	3.602	3.630	4.396
2	2.375	3.650	5.104	5.020	6.300
2 1/2	2.875	5.790	7.865	7.660	9.497
3	3.500	7.580	10.784	10.250	13.113
3 1/2	4.000	9.110	13.395	12.510	16.362
4	4.500	10.790	16.307	14.980	19.963
5	5.563	14.620	23.291	20.780	28.665
6	6.625	18.970	31.491	28.570	39.867
8	8.625	28.550	50.232	43.390	63.181
10	10.750	40.480	74.656	64.400	95.536
12	12.750	53.600	102.111	88.600	132.962

Copper Tubing Data

Tube Size	OD	Type L		Type K	
		Weight Per Foot		Weight Per Foot	
		Tube	Tube Filled with Water	Tube	Tube Filled with Water
(In)	(In)	(Lbs)	(Lbs)	(Lbs)	(Lbs)
1/4	0.375	0.126	0.160	0.145	0.177
3/8	0.500	0.198	0.261	.0269	0.324
1/2	0.625	0.285	0.386	0.344	0.439
5/8	0.750	0.362	0.513	0.418	0.563
3/4	0.875	0.455	0.665	0.641	0.830
1	1.125	0.655	1.013	0.839	1.176
1 1/4	1.375	0.884	1.429	1.040	1.568
1 1/2	1.625	1.140	1.911	1.360	2.107
2	2.125	1.750	3.118	2.060	3.366
2 1/2	2.625	2.480	4.548	2.930	4.948
3	3.125	3.330	6.282	4.000	6.877
3 1/2	3.625	4.290	8.283	5.120	9.020
4	4.125	5.380	10.571	6.510	11.574
5	5.125	7.610	15.700	9.670	17.529
6	6.125	10.200	21.829	13.870	25.089
8	8.125	19.290	39.603	25.900	45.473
10	10.125	30.100	61.634	40.300	70.691
12	12.125	40.00	85.927	57.800	101.380



PIPE DATA

PVC Pipe Data - Schedules 40 & 80

Pipe Size	OD	Schedule 40		Schedule 80	
		Weight Per Foot		Weight Per Foot	
		Pipe	Pipe Filled with Water	Pipe	Pipe Filled with Water
(In)	(In)	(Lbs)	(Lbs)	(Lbs)	(Lbs)
3/8	0.675	0.109	0.180	0.146	0.195
1/2	0.840	0.161	0.289	0.213	0.309
3/4	1.050	0.214	0.423	0.289	0.452
1	1.315	0.315	0.680	0.424	0.720
1 1/4	1.660	0.426	1.065	0.586	1.126
1 1/2	1.900	0.509	1.372	0.711	1.441
2	2.375	0.682	2.002	0.984	2.115
2 1/2	2.875	1.076	3.108	1.500	3.262
3.500	1.409	4.526	2.010	4.728	4.728
4	4.500	2.006	7.409	2.938	7.725
5	5.563	2.730	11.250	4.078	11.594
6	6.625	3.535	15.712	5.610	16.380
8	8.625	5.386	26.603	8.522	27.359
10	10.750	7.543	41.62	12.35	42.559
12	12.750	10.019	65.354	17.384	72.719



CPVC Pipe Data - SDR 11

Tube Size	OD	Weight Per Foot	
		Tube	Tube Filled with Water
		(Lbs)	(Lbs)
(In)	(In)		
1/2	0.625	0.225	0.326
3/4	0.875	0.305	0.491
1	1.125	0.449	0.760
1 1/4	1.375	0.618	1.173
1 1/2	1.625	0.751	1.573
2	2.125	1.040	2.319



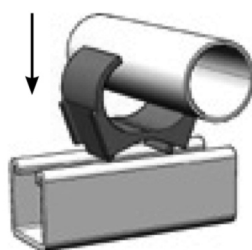
PIPE CUSHIONS

Sasco Pipe Cushions are ideal for multiple line runs, and mount to Sasco's standard 1 5/8" wide Strut Channels. They absorb shock and vibration, reduce noise and avoid galvanic corrosion. The TPE (thermoplastic elastomer) living hinge allows for quick installation and relocation of the cushion and pipe.

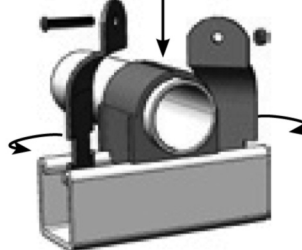
- Absorbs shock and vibration.
- Prevents galvanic corrosion of dissimilar metals.
- TPE (thermoplastic elastomer) will not corrode and is non-conducting.
- TPE has a temperature range of -50 to 275 °F (-46 to 135 °C).
- Resists the effects of most oils, chemicals and industrial cleaners.

Sasco Pipe Cushion Installation:

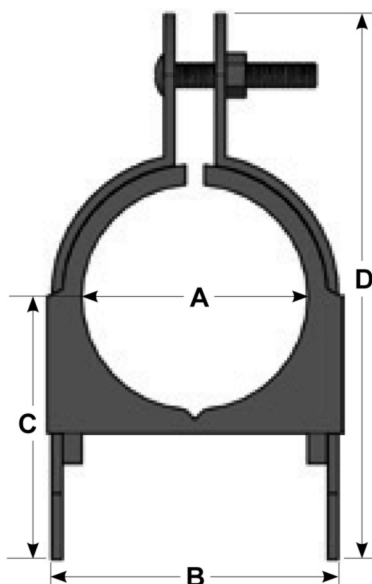
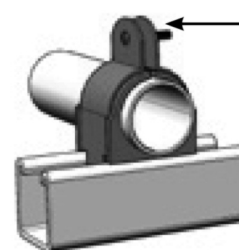
Align pipe and cushion



Insert clamp into Strut



Tighten using nut



Finishes (clamp material):

Pre-galvanized (standard)	-G
Hot Dip Galvanized	-HG
Stainless Steel Type 316	-SS
Aluminum	-AL

Catalogue Prefix	Copper & Steel Tubing Dia. (In)	Copper Water Pipe Nom. (In)	Nominal Pipe Size (In)	A (In)	B (In)	C (In)	D (In)
S0250PC	1/4	-	-	0.25	0.62	0.27	0.98
S0375PC	3/8	1/4	-	0.37	0.82	0.33	1.13
S0500PC	1/2	3/8	-	0.50	0.94	0.40	1.34
S0540PC	-	-	1/4	0.54	0.98	0.43	1.34
S0625PC	5/8	1/2	-	0.62	1.06	0.46	1.54
S0675PC	-	-	3/8	0.67	1.13	0.49	1.54
S0750PC	3/4	5/8	-	0.75	1.20	0.52	1.68
S0875PC	-	-	1/2	0.84	1.29	0.58	1.82
S0875PC	7/8	3/4	-	0.87	1.31	0.58	1.82
S1000PC	1	-	-	1.00	1.44	0.65	1.95
S1050PC	-	-	3/4	1.05	1.57	0.70	2.08
S1125PC	1 1/8	1	-	1.12	1.57	0.70	2.08
S1250PC	1 1/4	-	-	1.25	1.70	0.77	2.21
S1310PC	-	-	1	1.31	1.76	0.81	2.34
S1375PC	1 3/8	1 1/4	-	1.37	1.82	0.83	2.34
S1500PC	1 1/2	-	-	1.50	1.95	0.90	2.47
S1625PC	1 5/8	1 1/2	-	1.62	2.07	0.96	2.60
S1660PC	-	-	1 1/4	1.66	2.17	0.99	2.73
S1750PC	1 3/4	-	-	1.75	2.20	1.02	2.73
S1875PC	1 7/8	-	-	1.90	2.32	1.09	2.86
S2000PC	2	-	-	2.00	2.45	1.15	3.04
S2125PC	2 1/8	2	-	2.12	2.57	1.27	3.23
S2375PC	2 3/8	-	2	2.37	2.82	1.41	3.67
S2500PC	2 1/2	-	-	2.50	2.94	1.46	3.79
S2625PC	2 5/8	2 1/2	-	2.62	3.07	1.53	3.92
S2875PC	2 7/8	-	2 1/2	2.87	3.32	1.66	4.17
S3000PC	3	-	-	3.00	3.57	1.78	4.42
S3125PC	3 1/8	3	-	3.12	3.57	1.78	4.42
S3500PC	3 1/2	-	3	3.50	3.95	1.97	4.79
S3625PC	3 5/8	3 1/2	-	3.62	4.20	2.03	5.11
S4000PC	4	-	3 1/2	4.00	4.45	2.28	5.11
S4125PC	4 1/8	4	-	4.12	4.57	2.34	5.54
S4500PC	4 1/2	-	4	4.50	4.95	2.53	5.92
S5125PC	5 1/8	5	-	5.12	5.57	2.84	6.54

Add finish to Catalogue Prefix for Part No. (S0250PC-SS).

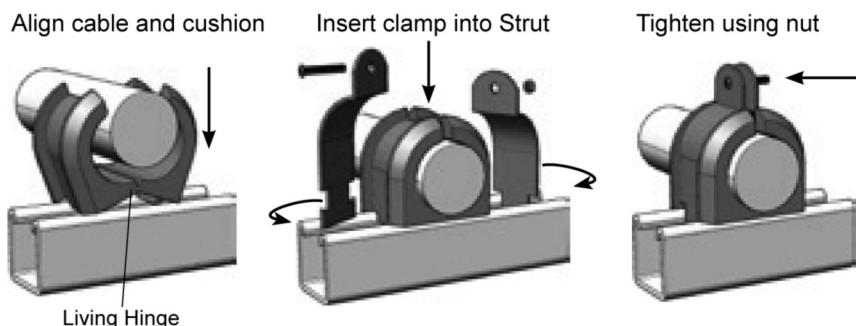
Note: 1.00 in = 25.40 mm

V-CUSHIONS

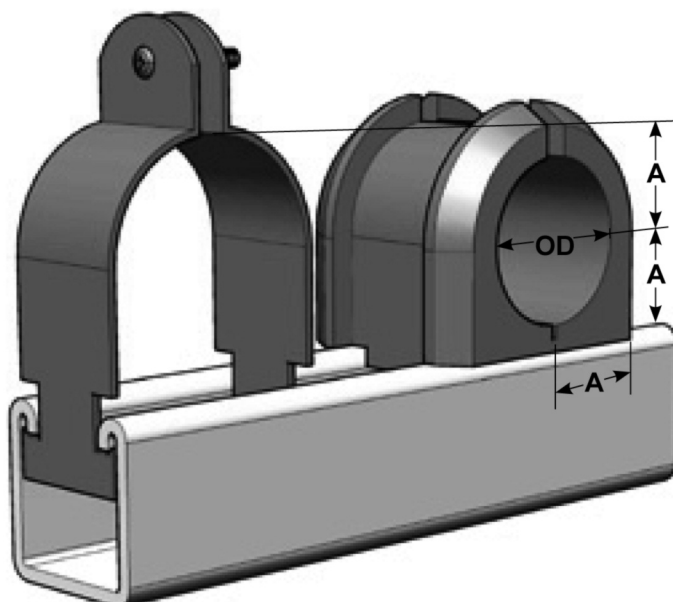


Sasco V-Cushions replace the older technology porcelain and maple cable clamps. They consist of a thermoplastic elastomer (TPE) cushion, and a pre-galvanized or stainless steel clamp. Both are supplied with a silicon bronze bolt and nut. The cushion hinge allows easy installation of the cable, while the components will not get separated and lost or broken.

Sasco V-Cushion Installation:



- Dielectric strength 640 volts per mil (39 V/mm).
- One piece cushion design, available in flame retardant or halogen free flame retardant (see below for Catalogue Numbers)
- Non-breakable material.
- Quick, adjustable installation.
- TPE is chemical and UV resistant.
- UL listed. Burning stops within 10 seconds after two applications of ten seconds each of a flame to a test bar with no flaming drips.
- Pre-galvanized steel, or stainless steel Pipe Clamps are available (see below for Catalogue Numbers).
- Silicon bronze hardware is used to break-up the magnetic field around the cable at the clamping location.
- Tapered flange to protect cable.



Catalogue Prefix	Pipe OD		A	
	(Inches)	(mm)	(Inches)	(mm)
S38VC	3/8	9.5	9/16	14.3
S12VC	1/2	12.7	9/16	14.3
S58VC	5/8	15.9	9/16	14.3
S34VC	3/4	19.1	13/16	20.6
S78VC	7/8	22.2	13/16	20.6
S1VC	1	25.4	13/16	20.6
S118VC	1 1/8	28.6	13/16	20.6
S114VC	1 1/4	31.8	1 1/16	27.0
S138VC	1 3/8	34.9	1 1/16	27.0
S112VC	1 1/2	38.1	1 1/16	27.0
S158VC	1 5/8	41.3	1 1/16	27.0
S134VC	1 3/4	44.5	1 5/16	33.3
S178VC	1 7/8	47.6	1 5/16	33.3
S2VC	2	50.8	1 5/16	33.3
S218VC	2 1/8	54.0	1 5/16	33.3
S214VC	2 1/4	57.2	1 9/16	39.7
S238VC	2 3/8	60.3	1 9/16	39.7
S212VC	2 1/2	63.5	1 9/16	39.7
S258VC	2 5/8	66.7	1 9/16	39.7
S234VC	2 3/4	69.9	1 13/16	46.0
S278VC	2 7/8	73.0	1 13/16	46.0
S3VC	3	76.2	1 13/16	46.0
S318VC	3 1/8	79.4	1 13/16	46.0
S314VC	3 1/4	82.6	2 1/16	52.4
S338VC	3 3/8	85.7	2 1/16	52.4
S312VC	3 1/2	88.9	2 1/16	52.4
S358VC	3 5/8	92.1	2 1/16	52.4
S334VC	3 3/4	95.3	2 5/16	58.7
S378VC	3 7/8	98.4	2 5/16	58.7
S4VC	4	101.6	2 5/16	58.7
S418VC	4 1/8	104.8	2 5/16	58.7
S414VC	4 1/4	108.0	2 1/2	63.5
S438VC	4 3/8	111.1	2 1/2	63.5
S412VC	4 1/2	114.3	2 1/2	63.5

Finishes:

Stainless steel pipe clamp, silicon bronze hardware
 Flame retardant -SSB
 Flame ret., halogen free -SBFH

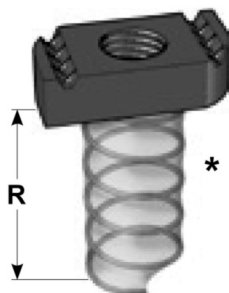
Pre-galvanized pipe clamp, silicon bronze hardware
 Flame retardant -GB
 Flame ret., halogen free -GBFH

Add finish to Catalogue Prefix for Part Number (S1VC-SBFH)



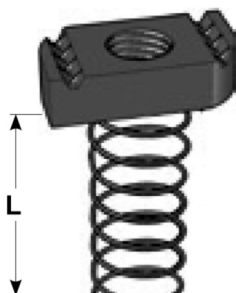
CLAMPING NUTS

Sasco Clamping Nuts are fundamental to the Sasco Suspension System. They ensure positive locking between the nut's serrated grooves and the Strut Channel. When they are inserted anywhere along the continuous slot of the channel they allow attachment of fittings without drilling or welding. If changes are required, fittings are easily adjusted, removed or reused.



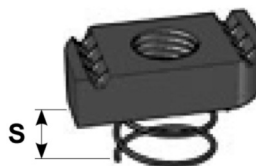
Regular Spring

Used in all 1 5/8" wide Strut Channels except S5, S6 and S7.



Long Spring

Used in Strut Channels S1 and S9.



Short Spring

Used in Strut Channels S5, S6 and S7.



Without Spring

Used in all 1 5/8" wide Strut Channels.

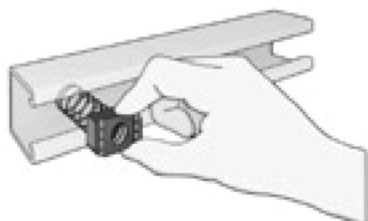
Thread Size	Catalogue Numbers				Spring Length		
Imperial	Regular Spring	Long Spring	Short Spring	Without Spring	R	L	S
1/4" - 20	S14 *	-	S14S	S14W	1.5"	-	0.375"
5/16" - 18	S516*	-	S516S	S516W	1.5"	-	0.375"
3/8" - 16	-	-	S3814S	-	1.5"	-	0.375"
3/8" - 16	S38 *	S38L	-	S38W	1.5"	2.875"	-
1/2" - 13	S12 *	S12L	S12S	S12W	1.5"	2.875"	0.750"
5/8" - 11	S58	S58L	-	S58W	1.5"	2.875"	-
3/4" - 10	S34	S34L	-	S34W	1.5"	2.875"	-
Metric							
M6 - 1.00	S6M	-	S6MS	S6MW	38 mm	-	20 mm
M8 - 1.25	S8M	-	S8MS	S8MW	38 mm	-	20 mm
M10 - 1.50	S10M	-	S10MS	S10MW	38 mm	-	20 mm
M12 - 1.75	S12M	-	S12MS	S12MW	38 mm	-	20 mm

***Sasco Clamping Nuts marked with asterisks have plastic sleeves eliminating tangling during shipping and installation.**

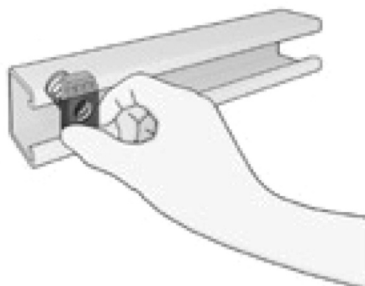
Steel Clamping Nuts are produced from hot rolled steel ASTM A108 Grades 1015 or 1020. Standard finish is electroplated zinc.

Some sizes available in stainless steel Type 316, hot dip galvanized, aluminum and fiberglass. Consult Sasco for availability.

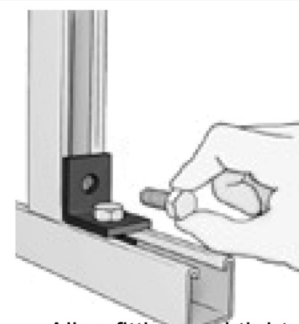
Easy, Fast Installation:



Insert Clamping Nut



Turn 90°



Align fitting and tighten bolt

CLAMPING NUTS



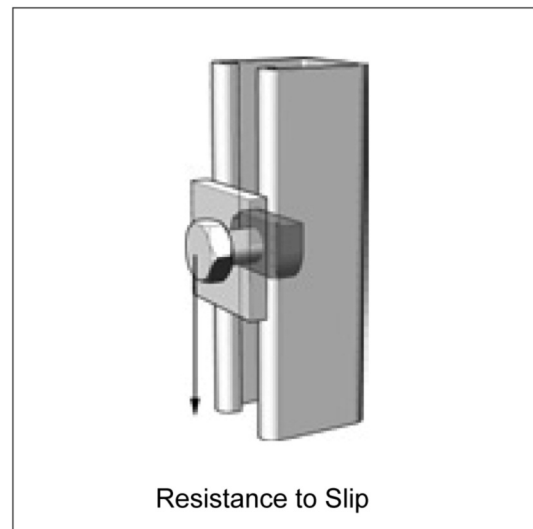
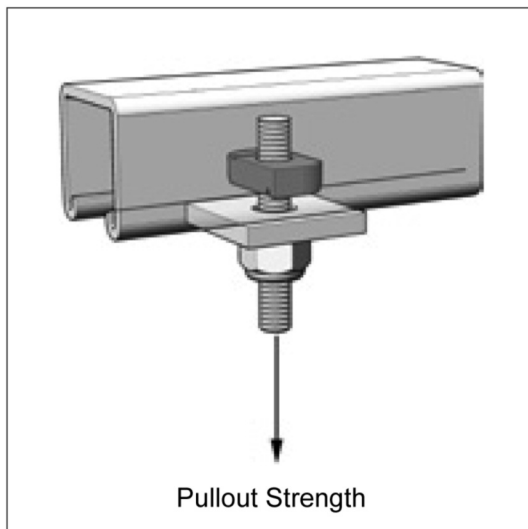
Pullout and Resistance to Slip Loads

Values are based on these recommended torques for Grade 2 bolts:

Bolt Diameter	(Inches) (mm)	1/4 6	5/16 8	3/8 10	1/2 12	5/8 -	3/4 -
Recommended Torque	(Ft-Lbs) (N·m)	6 8	11 15	19 26	50 68	100 136	125 170

Thread Size	12 Gauge Strut				14 Gauge Strut				16 Gauge Strut			
	Max. Allowable Pullout Strength		Resistance to Slip		Max. Allowable Pullout Strength		Resistance to Slip		Max. Allowable Pullout Strength		Resistance to Slip	
	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN
Imperial												
1/4" - 20	600	2.67	300	1.33	600	2.67	300	1.33	600	2.67	300	1.33
5/16" - 18	750	3.33	450	2.00	750	3.33	450	2.00	750	3.33	450	2.00
S3814S	1500	6.67	800	3.56	1400	6.23	750	3.34	1000	4.45	750	3.34
3/8" - 16	2000	8.90	1500	6.67	1400	6.23	1000	4.45	1000	4.45	1000	4.45
1/2" - 13	2000	8.90	1500	6.67	1400	6.23	1000	4.45	1000	4.45	1000	4.45
5/8" - 11	2000	8.90	1500	6.67	1400	6.23	1000	4.45	1000	4.45	1000	4.45
3/4" - 10	2000	8.90	1500	6.67	1400	6.23	1000	4.45	1000	4.45	1000	4.45
Metric												
M6 - 1.00	600	2.67	300	1.33	600	2.67	300	1.33	600	2.67	300	1.33
M8 - 1.25	750	3.33	450	2.00	750	3.33	450	2.00	750	3.33	450	2.00
M10 - 1.50	1500	6.67	800	3.56	1400	6.23	750	3.34	1000	4.45	750	3.34
M12 - 1.75	2000	8.90	1500	6.67	1400	6.23	1000	4.45	1000	4.45	1000	4.45

Minimum safety factor of 3.



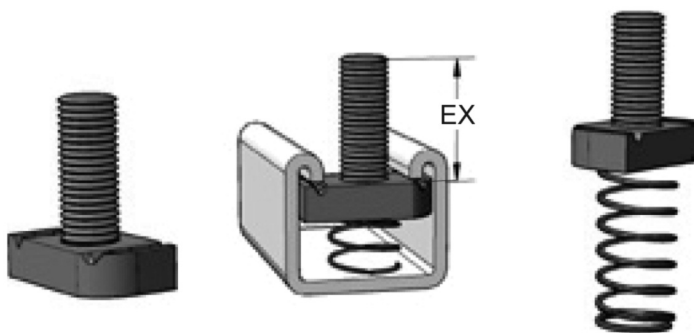
STUD NUTS



All Sasco Clamping Nuts are available as Stud Nuts (**SN**). To specify, select Clamping Nut (S38, S34S, S12W, etc.) and length of exposed thread (EX).

An S38 Stud Nut with a $1\frac{1}{2}$ inch thread exposure is S38SN12EX as a Part Number.

An S38 Stud Nut with a 2 inch thread exposure is S38SN2EX.



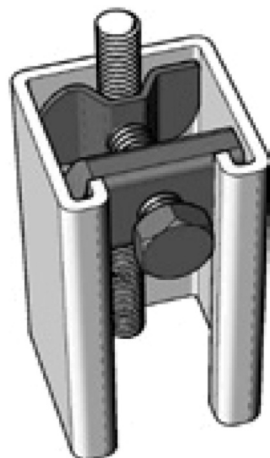
SEISMIC HANGER ROD STIFFENER

Sasco Seismic Hanger Rod Stiffener fastens $1\frac{5}{8}$ " (41.3 mm) wide x $1\frac{5}{8}$ " (41.3 mm) SR2 Strut Channel to the hanger rod as required by the design engineer.

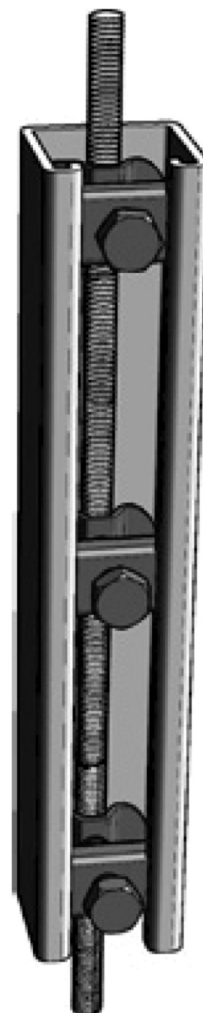
Secures $\frac{3}{8}$ " through $\frac{5}{8}$ " diameter rod.

For more detail, refer to the [Sasco Seismic Restraint Design Manual](#).

Standard finish is electroplated zinc.
Stainless steel available upon request.



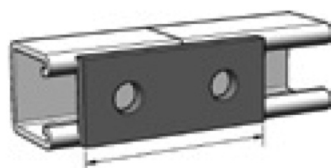
SR38-RS



To assist in the selection of the proper fitting for your application, Sasco fittings, many of which have multiple applications, are grouped according to their most common use.

SPLICING CONNECTIONS

TWO HOLE SPLICE PLATE

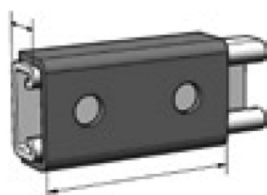


3 1/2" (88.9 mm)

S110P-HG

TWO HOLE SPLICE PLATE

13/16"
20.6 mm



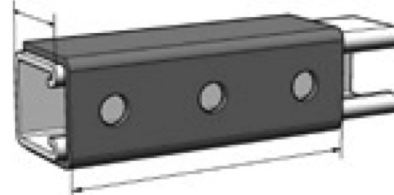
3 1/2" (88.9 mm)

11 GAUGE

S409U-HG

THREE HOLE SPLICE PLATE

1 5/8"
41.3 mm

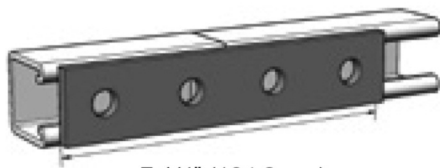


5 3/8" (136.5 mm)

11 GAUGE

S412U-HG

FOUR HOLE SPLICE PLATE



7 1/4" (184.2 mm)

S114P-HG

FOUR HOLE SPLICE PLATE

CSA CERTIFIED, 16 GAUGE



6 3/4" (171.5 mm)

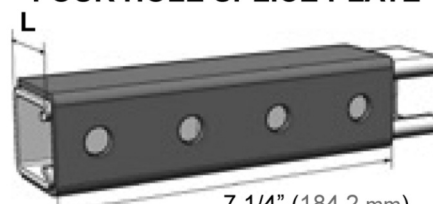
Supplied with four 1/4" x 5/8" FHMS and four S14W Clamping Nuts.

L

S710E-G 1 5/8" (41.3 mm)

S712E-G 13/16" (20.6 mm)

FOUR HOLE SPLICE PLATE



7 1/4" (184.2 mm)

L

THICK

S417U-HG 3 1/4" (82.6 mm) 1/4"

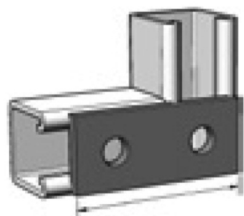
S415U-HG 2 7/16" (61.9 mm) 1/4"

S413U-HG 2" (50.8 mm) 11 Ga.

S414U-HG 1 5/8" (20.6 mm) 11 Ga.

CORNER CONNECTIONS

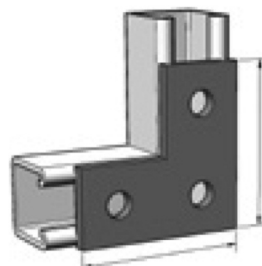
TWO HOLE FLAT PLATE



3 1/2" (88.9 mm)

S110P-HG

THREE HOLE FLAT PLATE

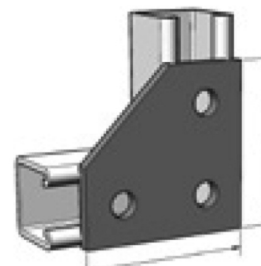


3 1/2"
88.9 mm

3 1/2" (88.9 mm)

S119P-HG

THREE HOLE FLAT PLATE



3 1/2"
88.9 mm

3 1/2" (88.9 mm)

S122P-HG

GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

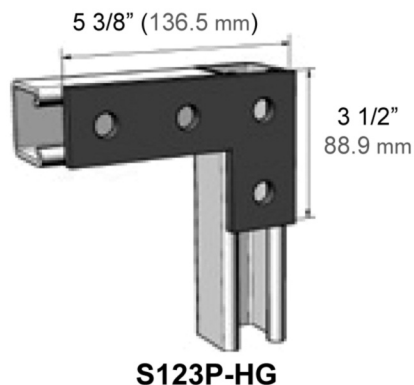
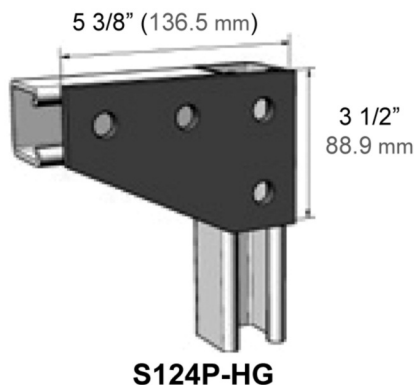
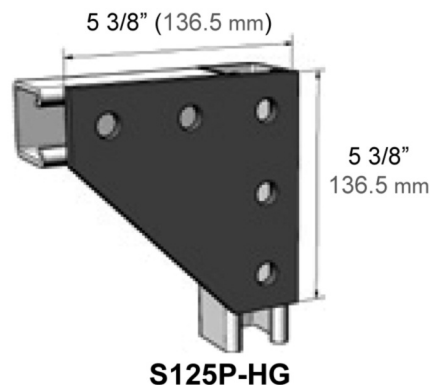
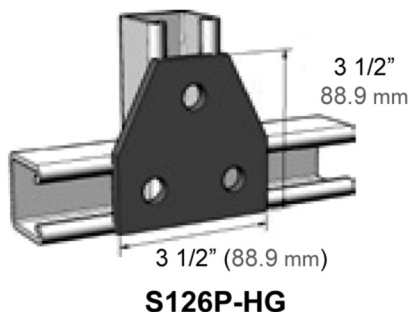
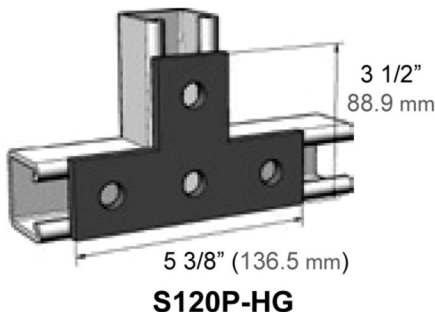
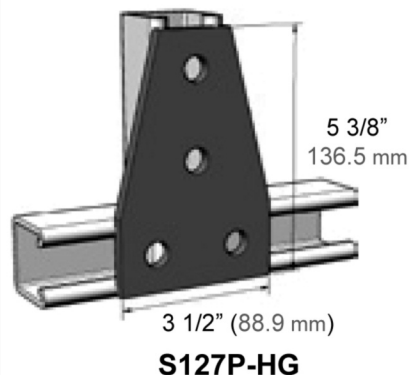
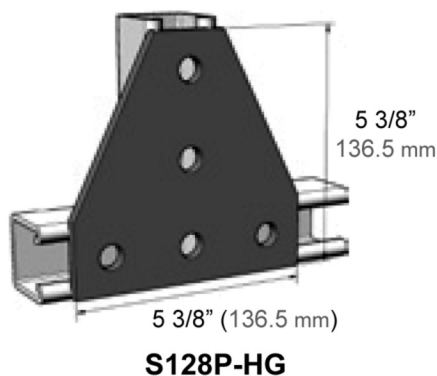
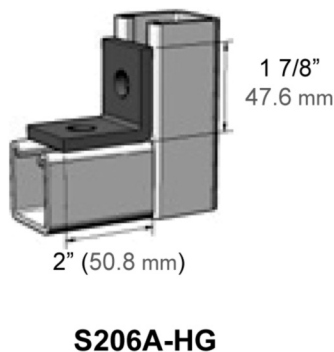
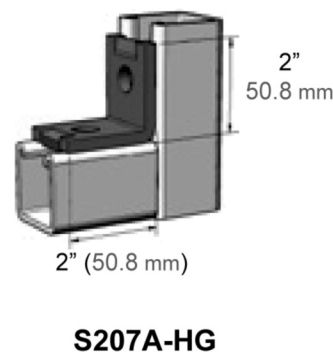
Dimensions are to outside edge unless otherwise indicated.

Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

To assist in the selection of the proper fitting for your application, Sasco fittings, many of which have multiple applications, are grouped according to their most common use.

CORNER CONNECTIONS


FOUR HOLE FLAT PLATE

FOUR HOLE FLAT PLATE

FIVE HOLE FLAT PLATE

THREE HOLE TEE PLATE

FOUR HOLE TEE PLATE

FOUR HOLE TEE PLATE

FIVE HOLE TEE PLATE

TWO HOLE 90° FITTING

TWO HOLE 90° FITTING


GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

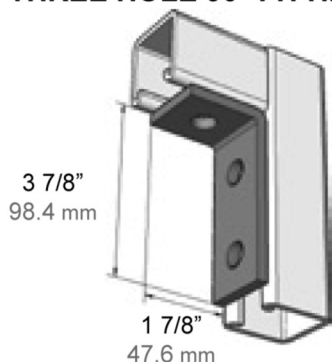
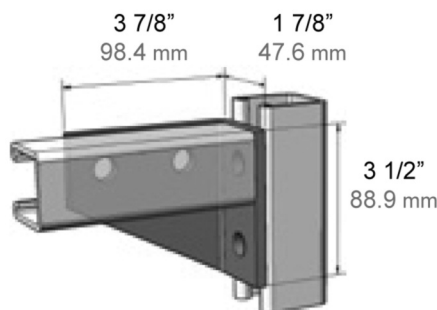
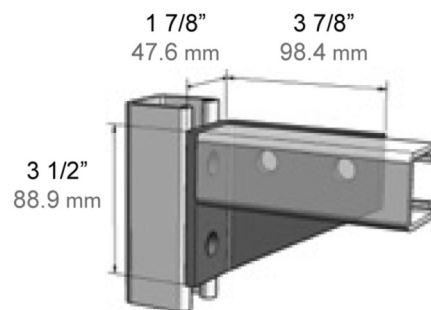
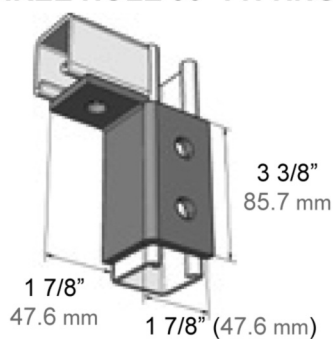
Dimensions are to outside edge unless otherwise indicated.

Finish Suffix Legend:

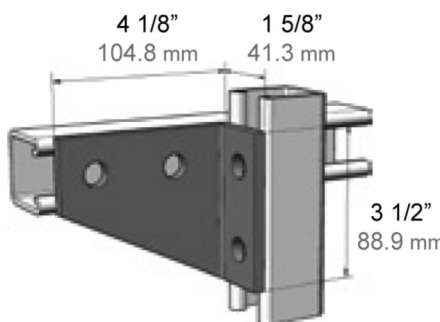
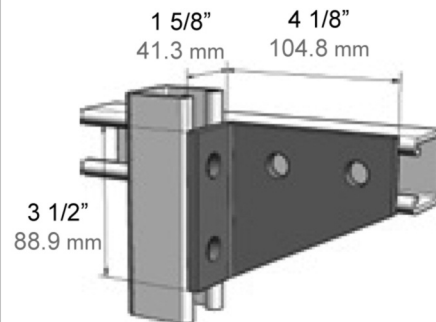
Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

To assist in the selection of the proper fitting for your application, Sasco fittings, many of which have multiple applications, are grouped according to their most common use.

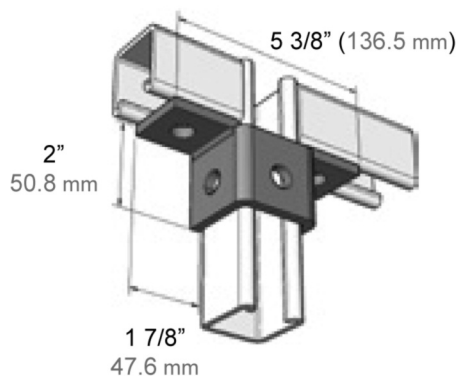
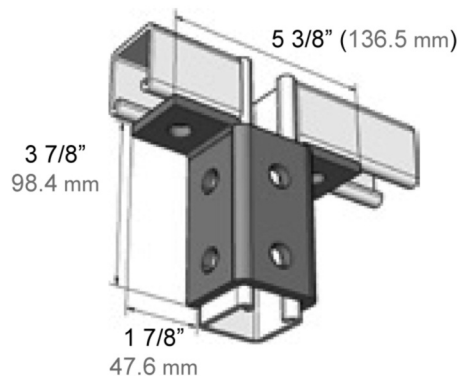
CORNER CONNECTIONS

THREE HOLE 90° FITTING

S210A-HG
FOUR HOLE RIGHT ANGLE

S232A-HG
FOUR HOLE RIGHT ANGLE

S233A-HG
THREE HOLE 90° FITTING

S528W-HG RIGHT HAND

S529W-HG LEFT HAND (shown)

FOUR HOLE RIGHT ANGLE

S218A-HG
FOUR HOLE RIGHT ANGLE

S217A-HG

CROSSING CONNECTIONS

FIVE HOLE WING FITTING

S536W-HG
EIGHT HOLE WING FITTING

S537W-HG

GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

Dimensions are to outside edge unless otherwise indicated.

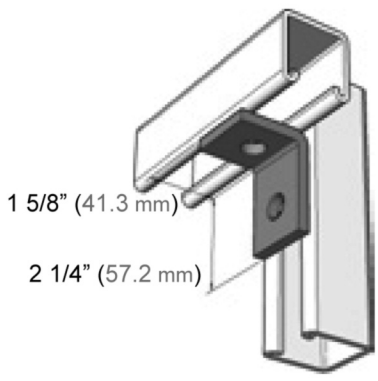
Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

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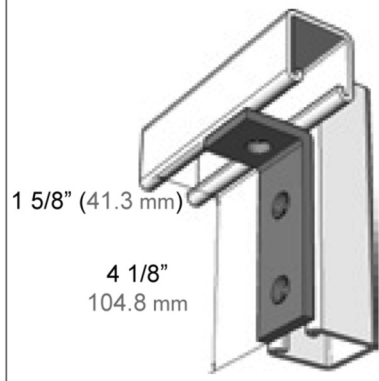
CROSSING CONNECTIONS

TWO HOLE ANGLE



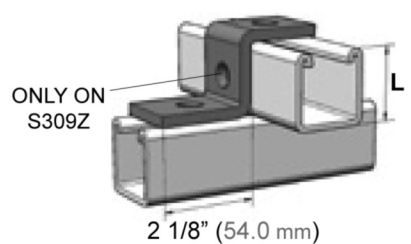
S205A-HG

THREE HOLE ANGLE



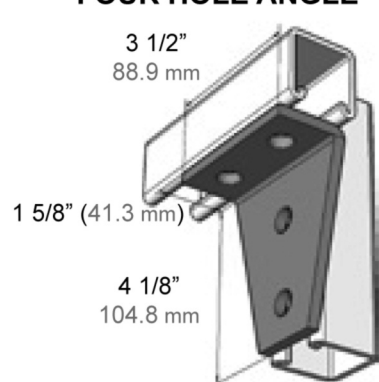
S209A-HG

Z SHAPED ANGLE



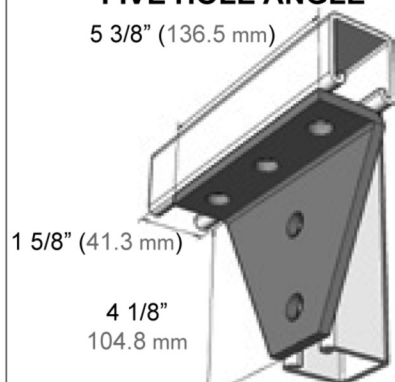
		L
S315Z-HG	3 1/4"	82.6 mm
S313Z-HG	2 7/16"	61.9 mm
S309Z-HG	1 5/8"	41.3 mm
S312Z-HG	1"	25.4 mm
S301Z-HG	13/16"	20.6 mm

FOUR HOLE ANGLE



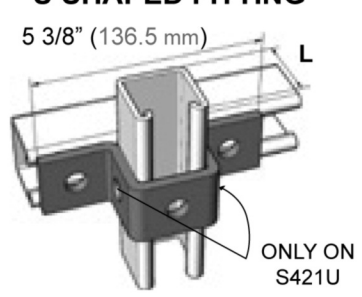
S235A-HG

FIVE HOLE ANGLE



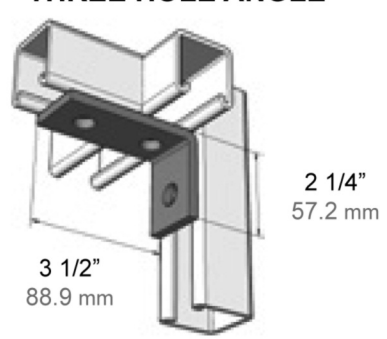
S230A-HG

U SHAPED FITTING



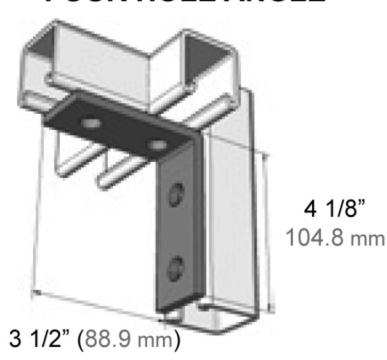
		L
S425U-HG	3 1/4"	82.6 mm
S424U-HG	2 7/16"	61.9 mm
S421U-HG	1 5/8"	41.3 mm
S420U-HG	1"	25.4 mm
S419U-HG	13/16"	20.6 mm

THREE HOLE ANGLE



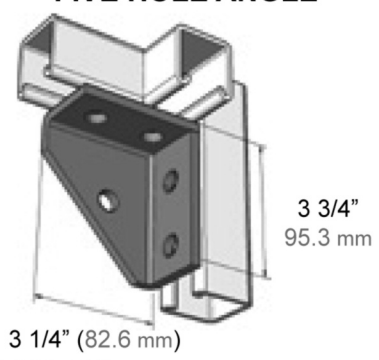
S212A-HG

FOUR HOLE ANGLE



S214A-HG

FIVE HOLE ANGLE



S216A-HG	LEFT HAND (shown)
S215A-HG	RIGHT HAND

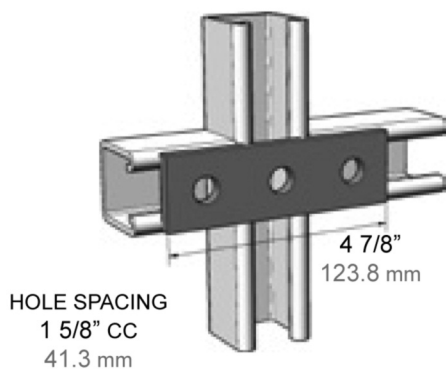
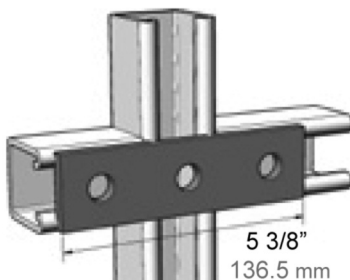
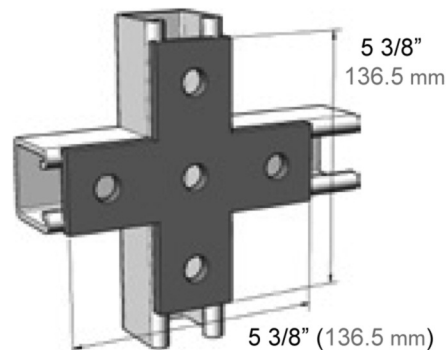
GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

Dimensions are to outside edge unless otherwise indicated.

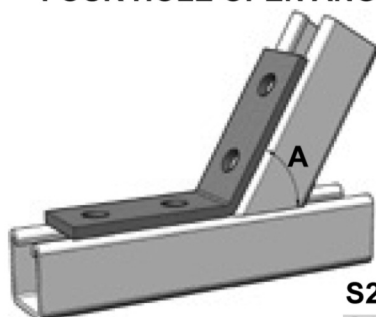
Finish Suffix Legend:	
Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

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CROSSING CONNECTIONS

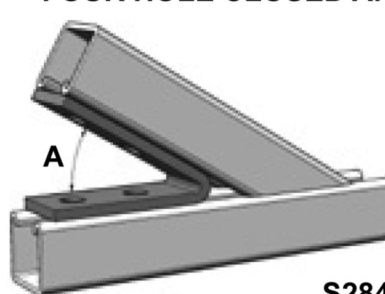
THREE HOLE FLAT PLATE

S113P-HG
THREE HOLE FLAT PLATE

S111P-HG
FIVE HOLE CROSS PLATE

S121P-HG

ANGLE CONNECTIONS

FOUR HOLE OPEN ANGLES


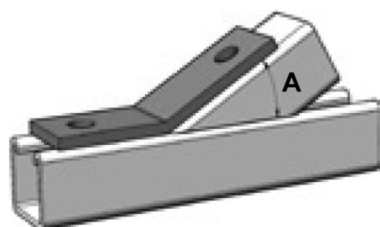
OTHER ANGLES AVAILABLE

S265A-HG	A
	30°
S267A-HG	45°
S269A-HG	60°

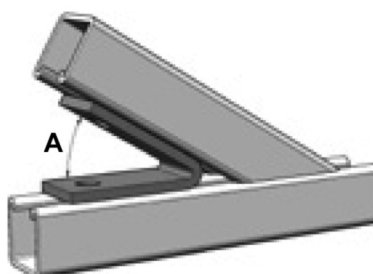
FOUR HOLE CLOSED ANGLES


OTHER ANGLES AVAILABLE

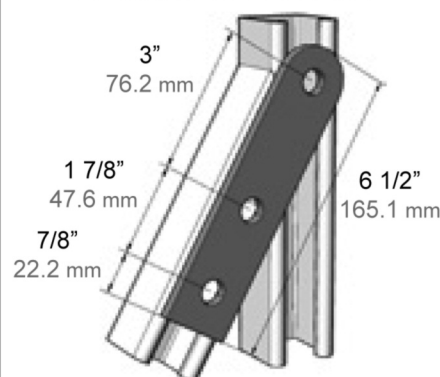
S284A-HG	A
	30°
S285A-HG	45°
S283A-HG	60°

TWO HOLE OPEN ANGLES


	A	
S258A-HG	30°	
S255A-HG	45°	OTHER ANGLES AVAILABLE
S253A-HG	60°	

TWO HOLE CLOSED ANGLES


	A	
S279A-HG	30°	
S278A-HG	45°	OTHER ANGLES AVAILABLE
S276A-HG	60°	

THREE HOLE ADJUSTABLE PLATE

S117P-HG

GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

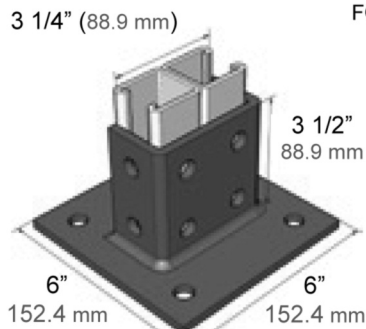
Dimensions are to outside edge unless otherwise indicated.

Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

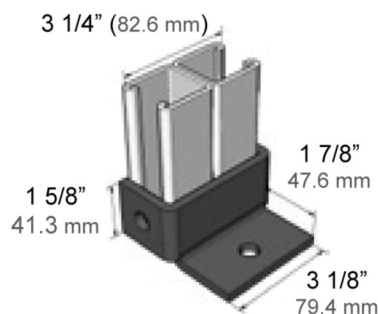
To assist in the selection of the proper fitting for your application, Sasco fittings, many of which have multiple applications, are grouped according to their most common use.

POST BASES



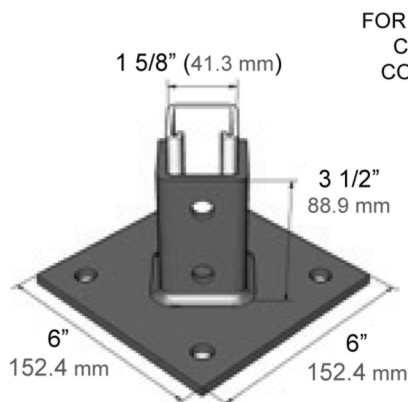
S500PB-HG

FOR 1 5/8" x 3 1/4"
CHANNEL AND
COMBINATIONS



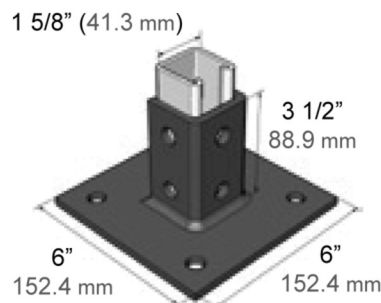
S505PB-HG

FOR 1 5/8" x 3 1/4"
CHANNEL AND
COMBINATIONS



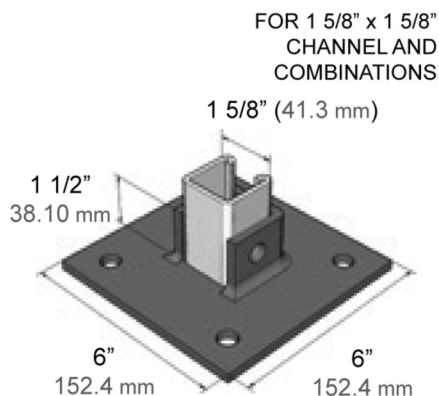
S501DPB-HG

FOR 1 5/8" x 1 5/8"
CHANNEL AND
COMBINATIONS



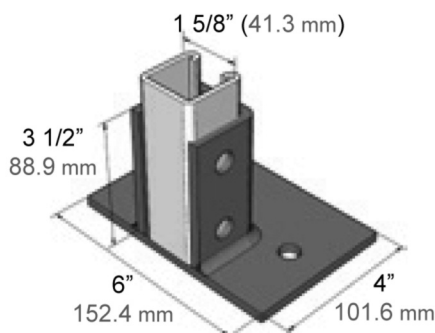
S501PB-HG

FOR 1 5/8" x 1 5/8"
CHANNEL AND
COMBINATIONS



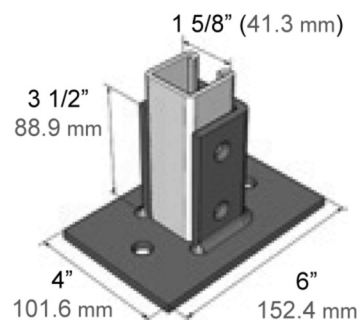
S503PB-HG

FOR 1 5/8" x 1 5/8"
CHANNEL AND
COMBINATIONS



S508PB-HG

FOR 1 5/8" x 1 5/8"
CHANNEL AND
COMBINATIONS



S509PB-HG

FOR 1 5/8" x 1 5/8"
CHANNEL AND
COMBINATIONS

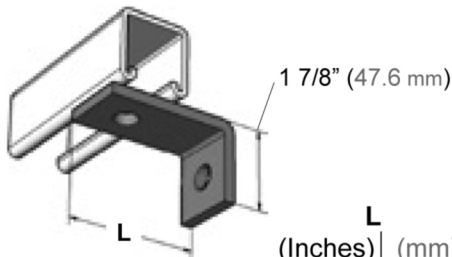
GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

Dimensions are to outside edge
unless otherwise indicated.

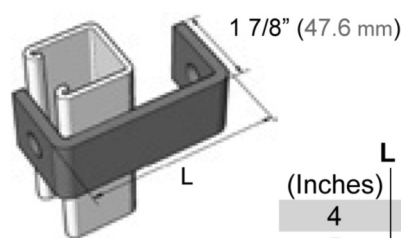
Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

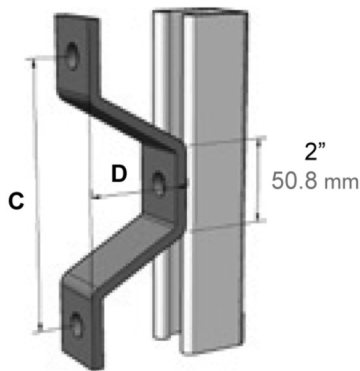
OFFSET CONNECTIONS



L (Inches)	(mm)	Catalogue No.
3	76.2	S208-3A-HG
3 1/2	88.9	S208-35A-HG
4	101.6	S208-4A-HG

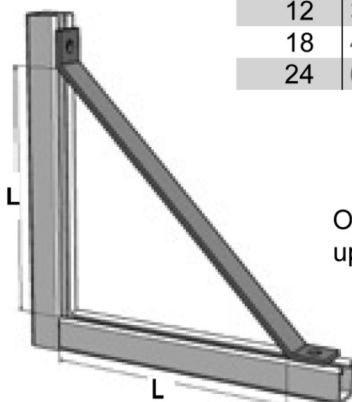


L (Inches)	(mm)	Catalogue No.
4	101.6	S402U-HG
5	127.0	S403U-HG
6	152.4	S404U-HG
7	177.8	S405U-HG
8	203.2	S406U-HG



Depth (D) (Inches)	(mm)	Centres (C) (Inches)	(mm)	Catalogue No.
2 3/8	60.3	6	152.4	S780-6HG
4 3/8	111.1	8	203.2	S780-8HG
6 3/8	161.9	10	254.0	S780-10HG
8 3/8	212.7	12	304.8	S780-12HG
10 3/8	263.5	14	355.6	S780-14HG

BRACES



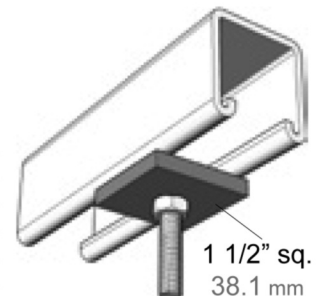
L (Inches)	(mm)	Catalogue No.
12	304.8	S800-12HG
18	457.2	S800-18HG
24	609.6	S800-24HG

Other sizes available
upon request.

SQUARE WASHERS

A Sasco Square Washer and hex nut ensure positive locking of Clamping Nuts. Hex nut not included.

Hole Diameter (Inches)	(mm)	Catalogue No.
11/32	8.7	S101P-HG
7/16	11.1	S102P-HG
9/16	14.3	S103P-HG
11/16	17.5	S104P-HG
13/16	20.6	S105P-HG



2" x 2", 3 1/2" x 3 1/2" and 4" x 4" available upon request.

GENERAL DATA	(Inches)	(mm)
Hole Diameter	9/16	14.3
Hole Spacing from End	13/16	20.6
Hole Spacing on Centre	1 7/8	47.6
Width	1 1/2	38.1
Thickness	1/4	6.4

Dimensions are to outside edge
unless otherwise indicated.

Finish Suffix Legend:	
Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6



ADJUSTABLE BRACES AND HINGES

Sasco's Adjustable Braces and Hinges are part of the Sasco Metal Framing System and can also be used as part of an engineered seismic restraint system. For assistance on seismic restraint design, refer to the [Sasco Seismic Restraint Design Manual](#), or contact Sasco. Loads are limited by the slip strength and pull out strength of the clamping nut.

ADJUSTABLE HINGES:

Hinges rotate on 1/2" bolts using nylon insert nuts to prevent loosening. Holes are spaced on 1 5/8" (41.3 mm) centres.



SR292A-EG



SR293A-EG



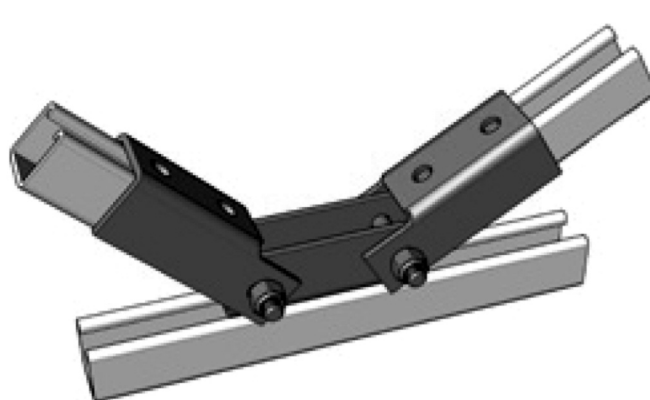
SR294A-EG

ADJUSTABLE BRACES:

Each brace fastens to Strut via two 9/16" dia. (14.3 mm) holes. Parts hinge on 1/2" bolts using nylon insert nuts to prevent loosening. Holes are spaced on 1 7/8" (47.6 mm) centres.



SR298A-EG

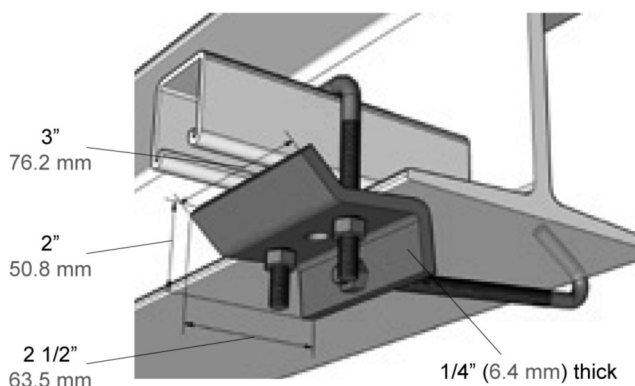


SR299A-EG

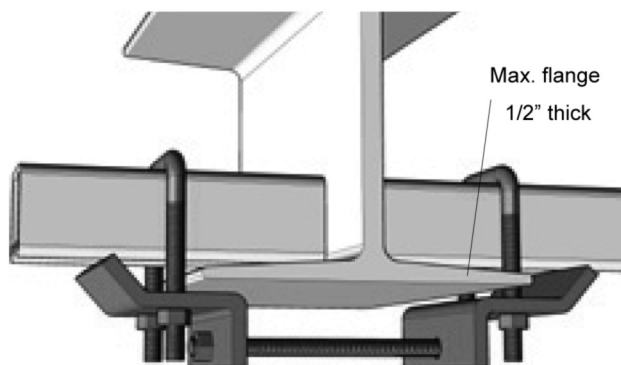
GENERAL DATA:

Holes 9/16" (14.3 mm) dia. centred 13/16" (20.6 mm) from ends. Steel is 1 5/8" (41.3 mm) wide and 1/4" (6.4 mm) thick. Standard finish is Electroplated Zinc (-EG). Hot Dip Galvanized (-HG) available upon request.

BEAM CLAMPS


S948 Series

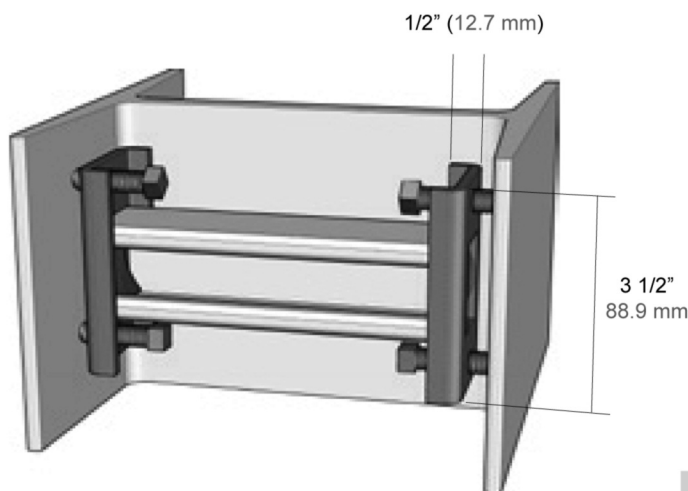
Catalogue No.	3/8" U-bolt Length* (Inches)	3/8" U-bolt Length* (mm)	3/8" J-hook Length* (Inches)	3/8" J-hook Length* (mm)
S948SBC-6EG	3 3/4	95.3	6	152.4
S948SBC-8EG	3 3/4	95.3	8	203.2
S948SBC-14EG	3 3/4	95.3	14	355.6
S948LBC-6EG	5 3/8	136.5	6	152.4
S948LBC-8EG	5 3/8	136.5	8	203.2
S948LBC-14EG	5 3/8	136.5	14	355.6


S949 Series

Catalogue No.	3/8" U-bolt Length* (Inches)	3/8" U-bolt Length* (mm)	3/8" Rod Length (Inches)	3/8" Rod Length (mm)
S949SBC-6EG	3 3/4	95.3	6	152.4
S949SBC-8EG	3 3/4	95.3	8	203.2
S949SBC-12EG	3 3/4	95.3	12	304.8
S949LBC-6EG	5 3/8	136.5	6	152.4
S949LBC-8EG	5 3/8	136.5	8	203.2
S949LBC-12EG	5 3/8	136.5	12	304.8

S948SBC and S949SBC series for use with Sasco Single and Combination Strut Channels 13/16" to 1 5/8".

S948LBC and S949LBC series for use with Sasco Single and Combination Strut Channels 2 7/16" to 3 1/4".


**S954BC-EG
S955BC-EG**

Used between column flanges. No welding required. The length of strut channel is the inside beam width less 1" (25.4 mm).

Part No. for Channel	Pullout Resistance (Lbs)	Pullout Resistance (kg)	Slip Resistance (Lbs)	Slip Resistance (kg)
S954BC used in S2	1000	454	800	363
S954BC used in S3	500	227	300	136
S954BC used in S4	700	318	500	227
S955BC used in S5	1000	454	800	363

Other sizes and finishes available.

Must be used in pairs.

Dimensions are to outside edge unless otherwise indicated.

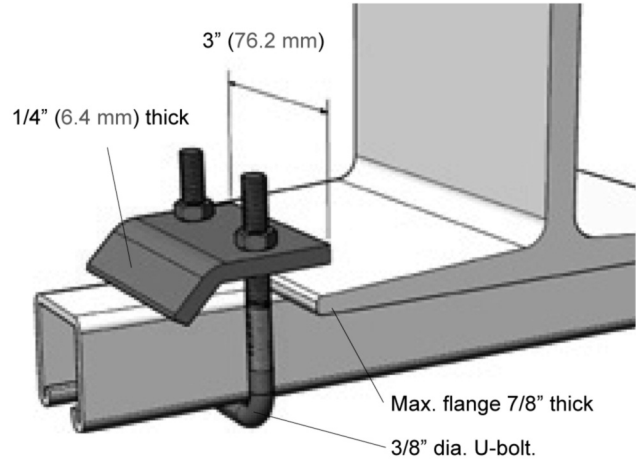
All holes for attachments are 9/16" (14.3 mm) diameter.

*U-bolt and J-hook lengths are measured to the inside of the bend.

Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

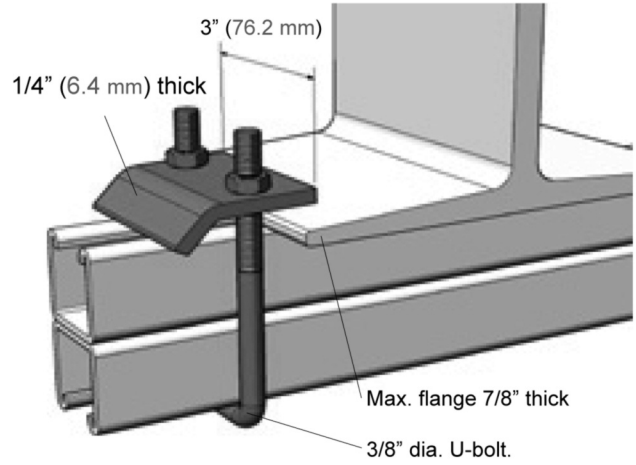
BEAM CLAMPS



S942BC-EG

For use with Sasco Strut Channel 13/16" to 1 5/8"

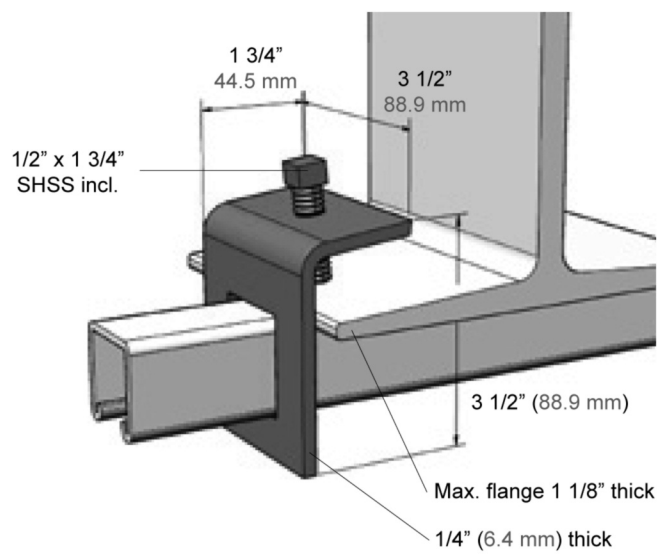
Design load* 1000 lbs (455 kg) each. Must be used in pairs.



S943BC-EG

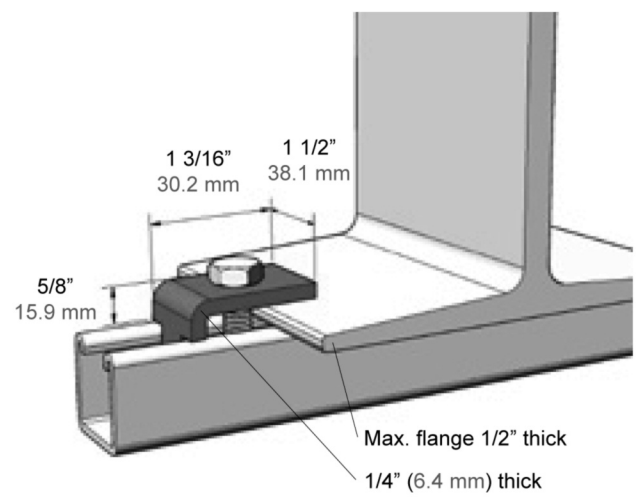
For use with Sasco Strut Channel 2 7/16" to 3 1/4"

Design load* 1000 lbs (455 kg) each. Must be used in pairs.



S938BC-EG

Design load* 480 lbs (220 kg) each. Use with 1 5/8" x 1 5/8" Strut Channel. Must be used in pairs.



S937BC-EG

Requires 1/2" Clamping Nut and bolt (not incl.).

Channel Gauge	Design Load* (Lbs)	(ea.) (kg)
12	600	270
14	500	225
16	450	205

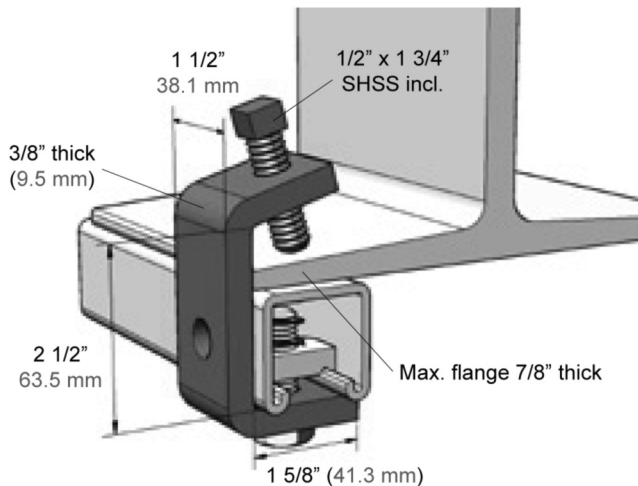
Must be used in pairs.

Dimensions are to outside edge unless otherwise indicated.
All holes for attachments are 9/16" (14.3 mm) diameter.
*Design load is for a single Beam Clamp when used in pairs.

Finish Suffix Legend:

Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

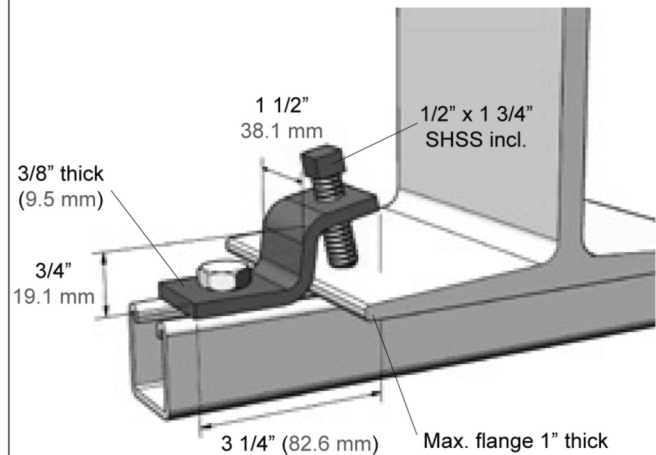
BEAM CLAMPS



S953BC-HG

Design load* 500 lbs (225 kg) each.
Must be used in pairs.

Requires 1/2" Clamping
Nut and bolt (not incl.).

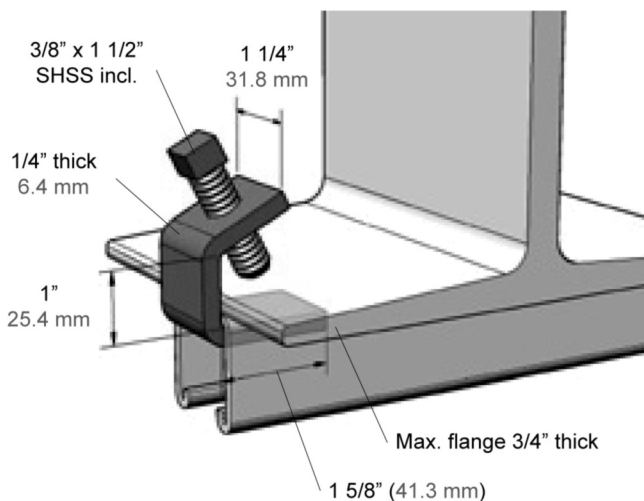


S936BC-HG

Requires 1/2" Clamping
Nut and bolt (not incl.).

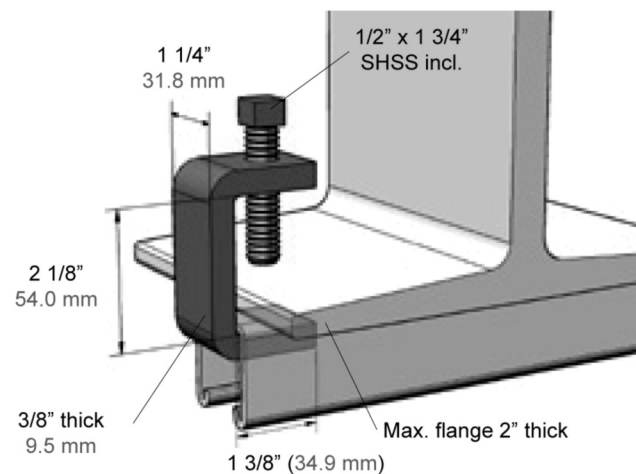
Channel Gauge	Design Load* (ea.)	
	(Lbs)	(kg)
12	600	270
14	500	225
16	450	205

Must be used in pairs.



S950BC-HG

Design load* 450 lbs (205 kg) each.
Must be used in pairs.



S952BC-HG

Design load* 900 lbs (410 kg) each.
Must be used in pairs.

Dimensions are to outside edge unless otherwise indicated.

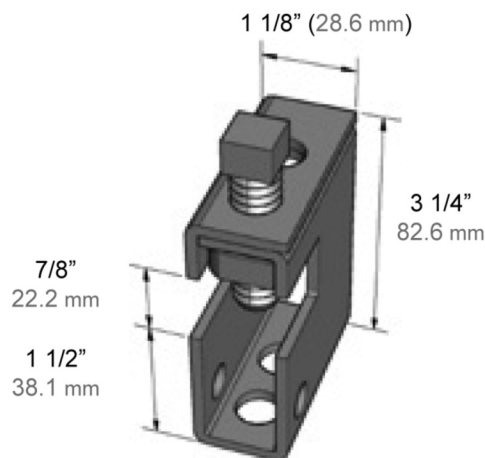
All holes for attachments are 9/16" (14.3 mm) diameter.

*Design load is for a single Beam Clamp when used in pairs.

Finish Suffix Legend:

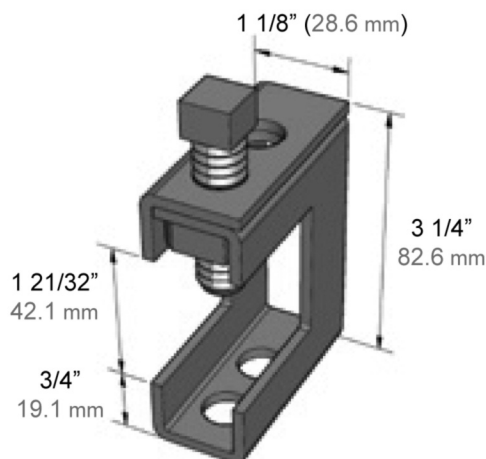
Hot Dip Galvanized After Fabrication	-HG
Pre-galvanized	-G
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6

BEAM CLAMPS



S902BC-HG

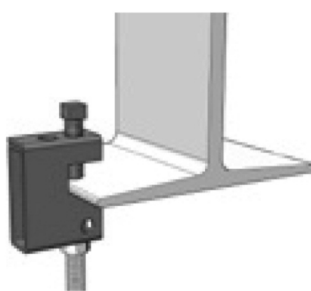
One 1/2" x 1 3/4" SHSS incl.
All holes 9/16" dia. (14.3 mm)



S900BC-HG

One 1/2" x 1 3/4" SHSS incl.
All holes 9/16" dia. (14.3 mm)

TYPICAL USES OF THE ABOVE BEAM CLAMPS



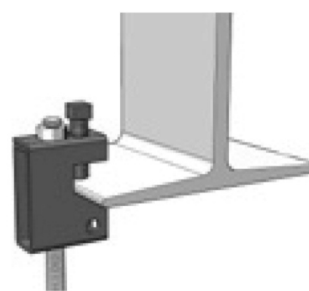
Design Load 500 lbs (227 kg)



Design Load 500 lbs (227 kg)

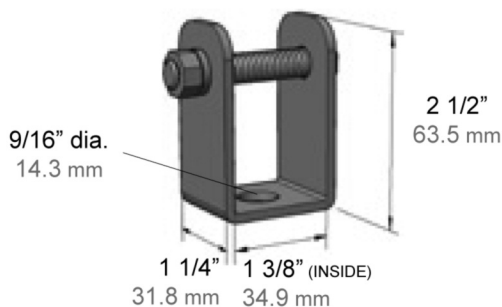


Design Load 500 lbs (227 kg)



Design Load 300 lbs (136 kg)

CLEVIS HANGER

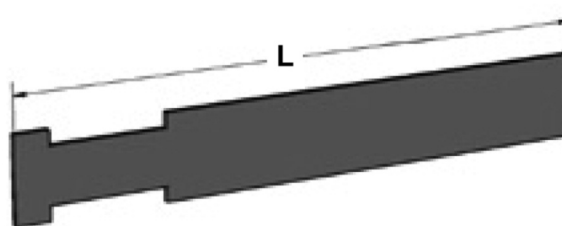


S906BC-HG

Used with S902BC

Standard finish is hot dip galvanized (HG)

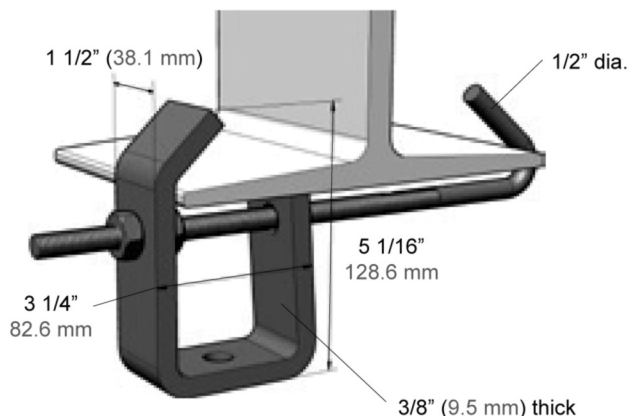
SAFETY STRAPS



Used with S902BC and S900BC
Standard finish is pre-galvanized (G)

Catalogue No.	L		Beam Flange Range	
	(Inches)	(mm)	(Inches)	(mm)
S930BC-G	9	228.6	6	152.4
S931BC-G	12	304.8	9	228.6
S932BC-G	15	381.0	12	304.8
S933BC-G	20	508.0	16	406.4

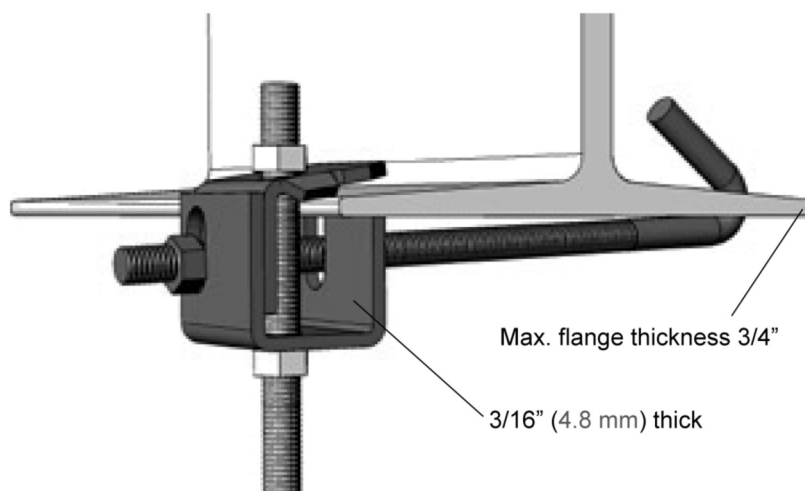
BEAM CLAMPS



S990 Series

Design load 800 lbs (363 kg)

Catalogue No.	J-hook Length* (Inches)	J-hook Length* (mm)	Beam Flange Range (Inches)	Beam Flange Range (mm)
S997BC-HG	11	279.4	4 - 9	101.60 - 228.6
S999BC-HG	19 1/2	495.3	7 - 17	177.80 - 431.8



S984 Series



Includes one 1/2" hex nut and J-hook.

Threaded rod and additional nuts must be ordered separately.

Design load 450 lbs (205 kg).

Standard finish is electroplated zinc (EG)

Catalogue No.	Beam Flange Range (Inches)	Beam Flange Range (mm)	Design Load (Lbs)	Design Load (kg)
S984-126EG	2 1/2 - 6	63.5 - 152.4	500	225
S984-129EG	5 1/2 - 9	139.7 - 228.6	500	225
S984-1212EG	8 1/2 - 12	215.9 - 304.8	500	225

Dimensions are to outside edge unless otherwise indicated.

All holes for attachments are 9/16" (14.3 mm) diameter.

*U-bolt and J-hook lengths are measured to the inside of the bend.

Finish Suffix Legend:

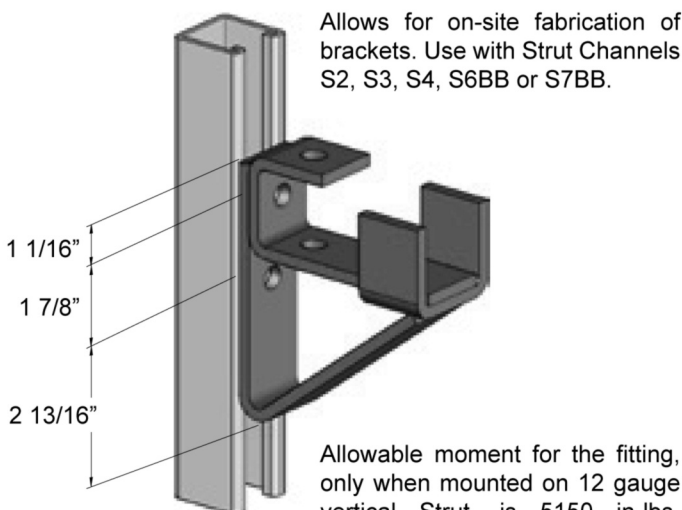
Hot Dip Galvanized After Fabrication	-HG
Electroplated Zinc	-EG
Stainless Steel Type 304	-SS4
Stainless Steel Type 316	-SS6



BRACKETS

The Sasco Brackets illustrated are the most common styles and lengths, and are suitable for wall or strut channel mounting.

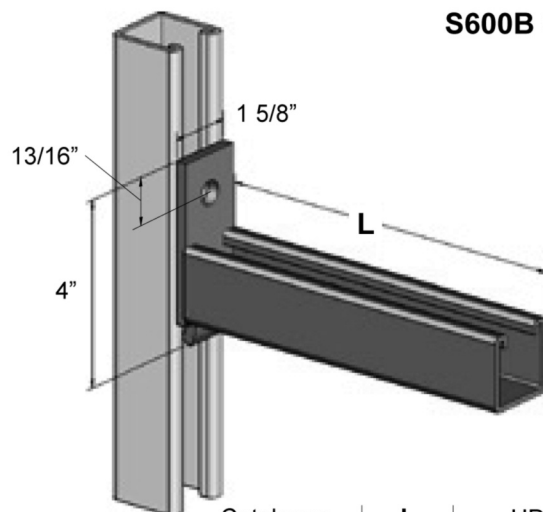
Sasco will manufacture custom styles or lengths to meet your requirements.



S681B-HG

Allowable moment for the fitting, only when mounted on 12 gauge vertical Strut, is 5150 in-lbs. Safety factor: 2.5

Inserted strut channel and length may limit capacity.



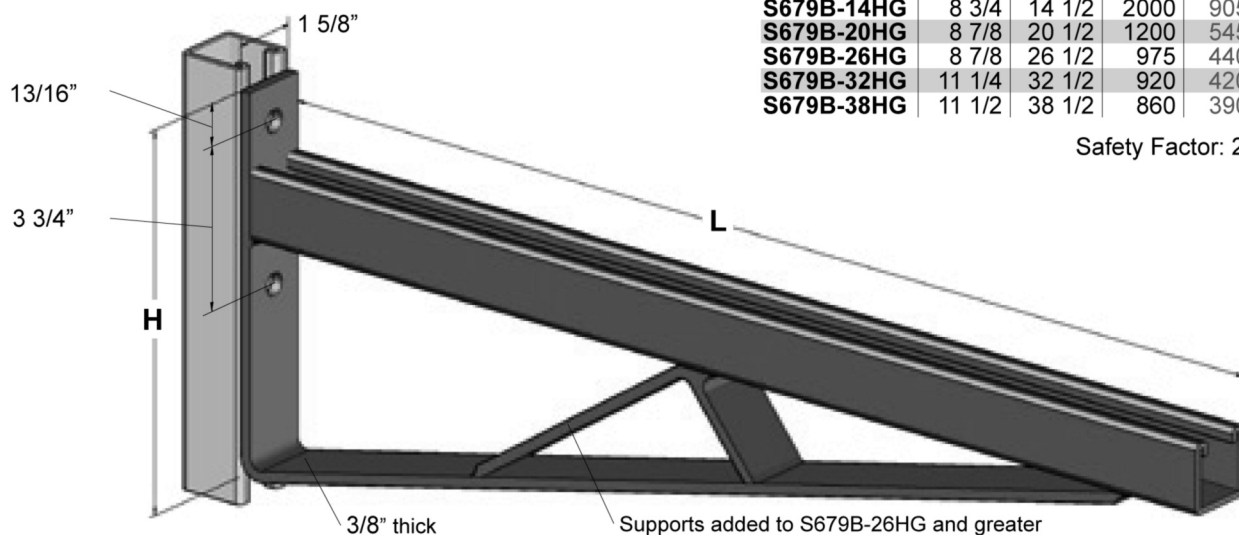
S600B Series

Catalogue No.	L (Inches)	UDL* (Lbs)	UDL* (kg)
S600B-8HG	8	1100	500
S600B-14HG	14	550	250
S600B-20HG	20	350	160
S600B-26HG	26	250	110

Custom lengths on request.

Safety Factor: 2.5

S679B Series



Catalogue No.	H (Inches)	L (Inches)	UDL* (Lbs)	UDL* (kg)
S679B-8HG	8 3/4	8 1/2	2000	905
S679B-14HG	8 3/4	14 1/2	2000	905
S679B-20HG	8 7/8	20 1/2	1200	545
S679B-26HG	8 7/8	26 1/2	975	440
S679B-32HG	11 1/4	32 1/2	920	420
S679B-38HG	11 1/2	38 1/2	860	390

Safety Factor: 2.5

*The Uniform Design Load (UDL) values shown are when 12 ga. vertical strut channel is used.

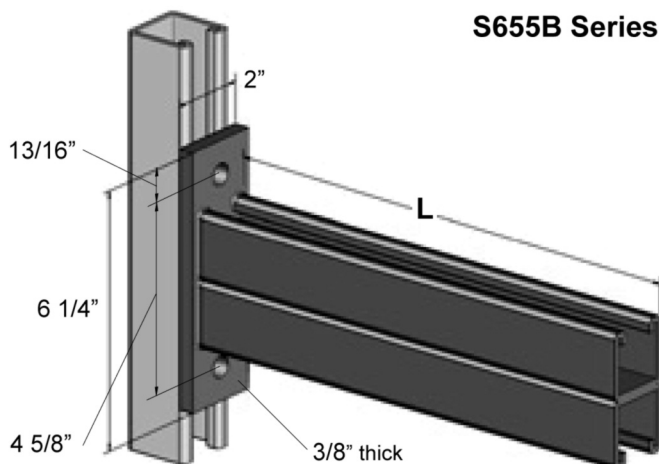
Uprights must be designed to properly support load. When wall mounted, anchors must be of sufficient size to support load.

Note: All holes 9/16" dia., 1.000 inches = 25.40 mm

SASCO STRUT

BRACKETS

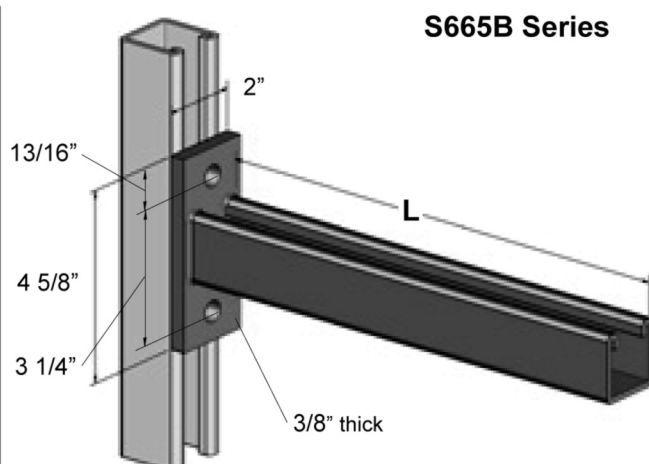
The Sasco Brackets illustrated are the most common styles and lengths, and are suitable for wall or strut channel mounting. Sasco will manufacture styles and lengths to meet your requirements. For all brackets below, two 1/2" bolts and 1/2" Clamping Nuts are required for mounting (not included).



S655B Series

Catalogue No.	L (Inches)	UDL* (Lbs)	UDL* (kg)
S655B-6HG	6	2150	975
S655B-12HG	12	1900	860
S655B-18HG	18	1200	545
S655B-24HG	24	930	420
S655B-30HG	30	780	355
S655B-36HG	36	610	275

Safety Factor: 2.5

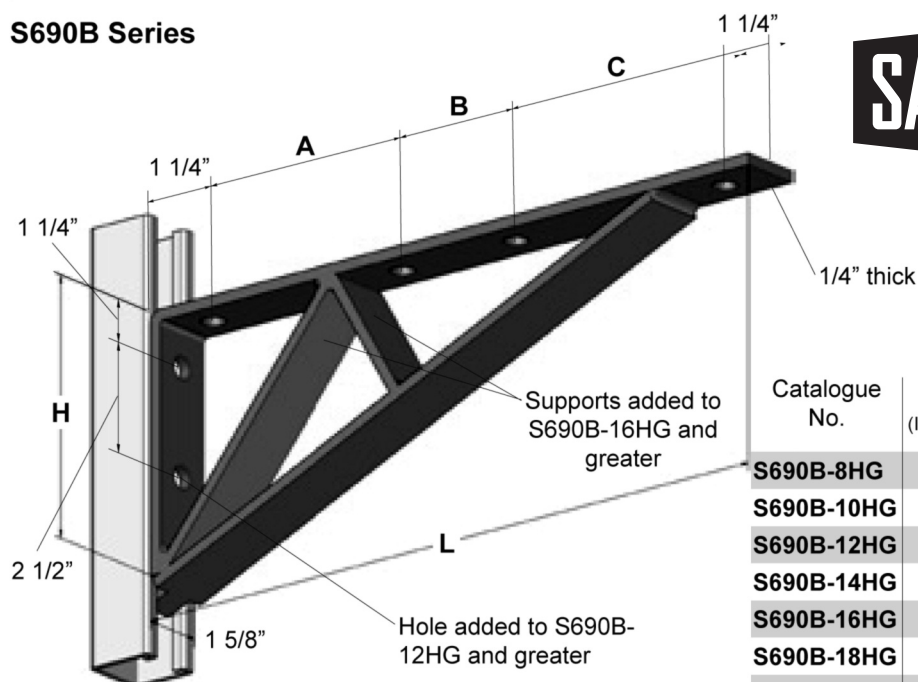


S665B Series

Catalogue No.	L (Inches)	UDL* (Lbs)	UDL* (kg)
S665B-6HG	6	1400	635
S665B-12HG	12	750	340
S665B-18HG	18	500	225
S665B-24HG	24	455	205

Safety Factor: 2.5

S690B Series



SASCO STRUT

Catalogue No.	H (Inches)	L (Inches)	A (Inches)	B (Inches)	C (Inches)	UDL* (Lbs)
S690B-8HG	4	8 1/2	-	-	-	820
S690B-10HG	4	10 1/2	4 1/4	-	3 3/4	820
S690B-12HG	6	12 1/2	3 1/4	3	3 3/4	950
S690B-14HG	6	14 1/2	3 1/4	3	5 3/4	950
S690B-16HG	6	16 1/2	5	3 1/4	5 3/4	1150
S690B-18HG	6	18 1/2	5 1/4	3	7 3/4	1090
S690B-20HG	6	20 1/2	7 1/8	3 1/8	7 3/4	670

*The Uniform Design Load (UDL) values shown are when 12 ga. vertical strut channel is used.

Uprights must be designed to properly support load. When wall mounted, anchors must be of sufficient size to support load.

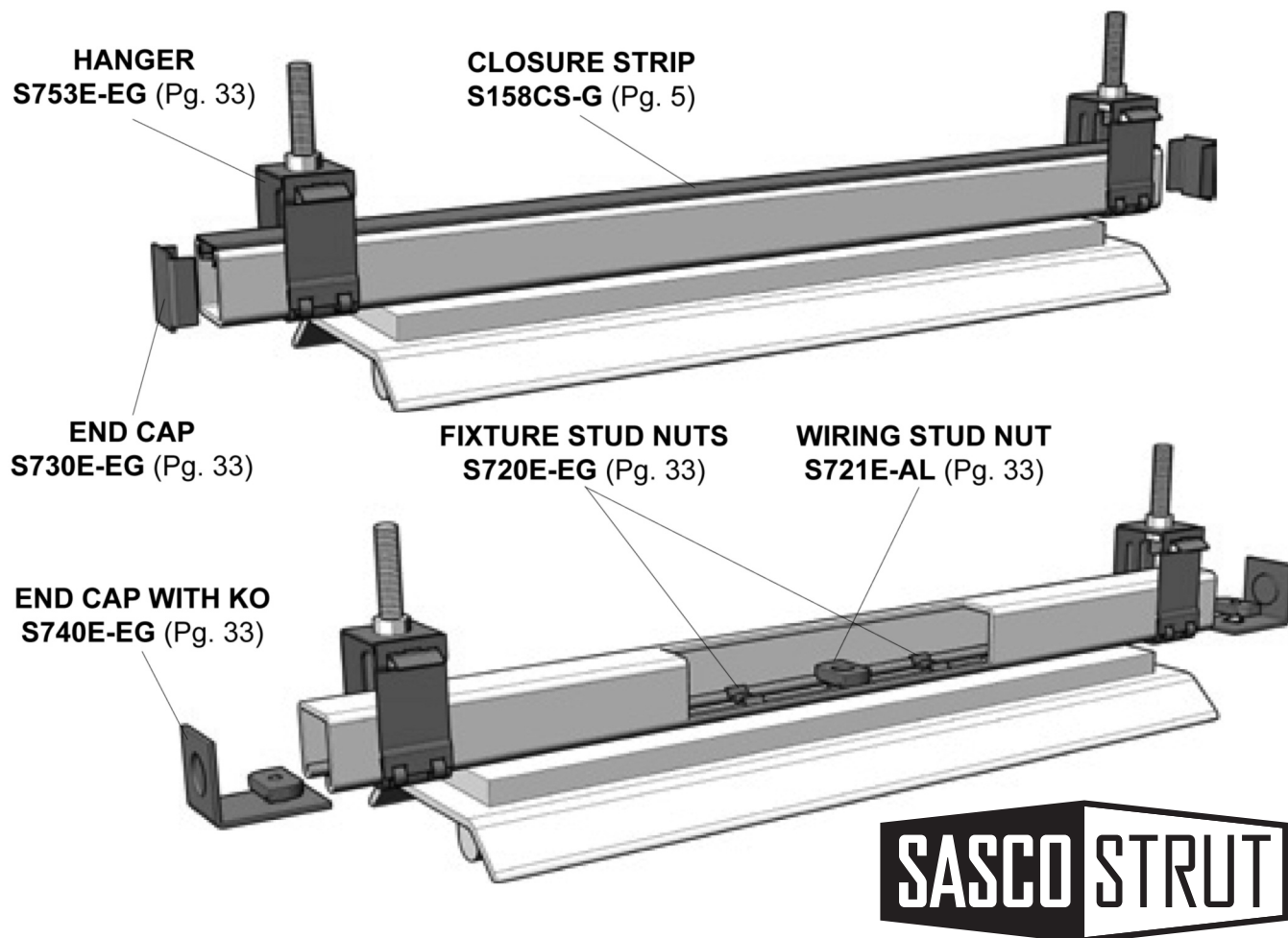
Note: All holes 9/16" dia., 1.000 inches = 25.40 mm, 1.000 lbs = 0.4536 kg



SASCO SURFACE RACEWAYS

To eliminate the individual suspension of fluorescent lighting fixtures, and to save labour and material, use Sasco Surface Raceways. When Sasco Strut Channel is in place, fixtures may be installed anywhere along the system. Due to the strength of the Strut Channel, a minimum number of suspension rods are required.

TYPICAL INSTALLATIONS



Note: S158CS-G Closure Strip must be used to form an enclosed raceway. A fixture enclosure may form one face of the raceway.

“Caution: wiring in raceway shall be rated at not less than 75 °C when electric-discharge lighting fixtures are supported closer than 1/2” (12.7 mm) from the raceway.”

WIRING CAPACITY FOR TYPES R, RH, RW, T OR TW:

Wire Thickness		Strut Channel Catalogue Prefix		
(Ga.)	(mm approx.)	S2, S3, S2KO6, S3KO6	S5, S5KO6	S6, S7, S6KO6, S7KO7
14	1.6	10	10	10
12	2.1	10	10	9
10	2.6	10	10	7
8	3.3	10	8	4
6	4.1	6	5	3

Sasco Strut Channel Deflection for a Continuous Row of Fixtures at 15 lbs (7.3 kg) Per Fixture

Support Distance		Strut Channel Catalogue Prefix									
(Feet)	(m)	S2		S3		S5		S6		S7	
		(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)	(Inches)	(mm)
4	1.22	0.004	0.102	0.006	0.152	0.013	0.330	0.037	0.940	0.028	0.711
8	2.44	0.064	1.626	0.096	2.438	0.212	5.385	0.595	15.11	0.458	11.63
12	3.66	0.324	8.230	0.490	12.45	1.077	27.36				
16	4.88	1.025	26.04	1.550	39.37						

When fixtures are spaced 4 feet (1.22 m) apart, the deflection will be approximately 50% of the values for a continuous row. To maintain the above deflection, **do not** join Strut Channel in mid span.

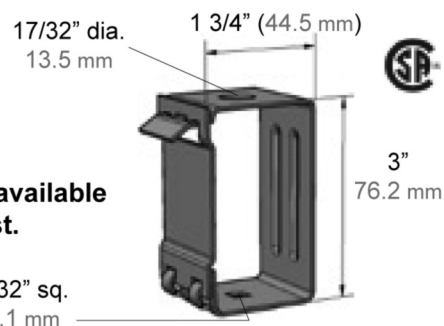
FITTINGS FOR SASCO SURFACE RACEWAY

RECEPTACLE BOX

S755E-G


Supplied with two 1/4" x 5/8" FHMS and two S14W Clamping Nuts. Receptacle not included.

HANGER

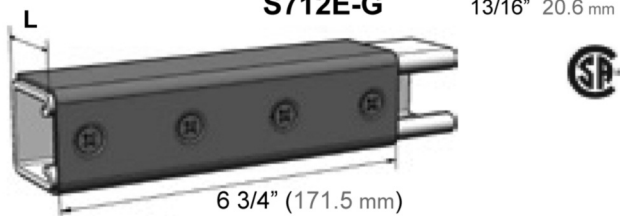
S753E-EG


Other sizes available upon request.

FOUR HOLE SPLICE PLATE

16 GAUGE

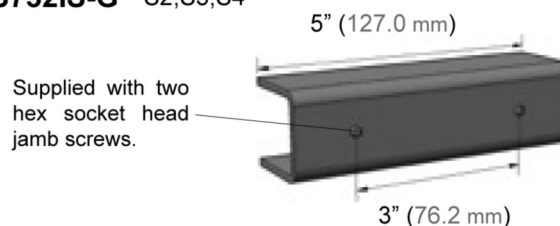
S710E-G (shown) 1 5/8" 41.3 mm
S712E-G 13/16" 20.6 mm



Supplied with four 1/4" x 5/8" FHMS and four S14W Clamping Nuts.

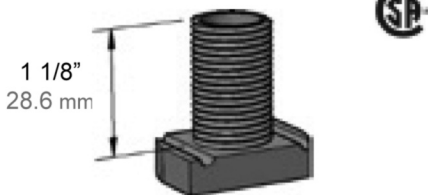
INSIDE SPLICE PLATE

S751IS-G CHANNEL S1
S752IS-G S2,S3,S4

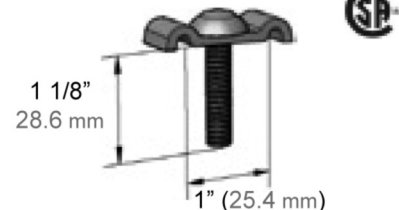


Supplied with two hex socket head jamb screws.

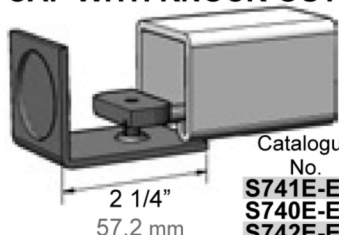
1/2" WIRING STUD NUT

S721E-AL


FIXTURE STUD NUT

S720E-EG


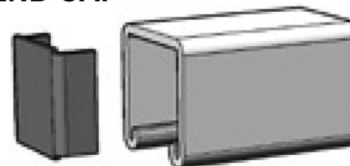
END CAP WITH KNOCK-OUT



Supplied with S14W Clamping Nut and bolt.

Catalogue No.	KO (Inches)	(mm)	Channel
S741E-EG	1/2	12.7	S1
S740E-EG	1/2	12.7	S2,S3,S4
S742E-EG	3/4	19.1	S1
S743E-EG	3/4	19.1	S2,S3,S4

END CAP



Catalogue No.	Channel
S733E-EG	S1
S730E-EG	S2,S3,S4
S731E-EG	S5
S734E-EG	S6, S7



TROLLEYS

The Sasco Trolley System provides mobility, reliability and economy. Stainless Steel wheel bearings require no lubrication for longevity and maintenance-free performance. Specialized supports allow trolleys to travel the full length of the strut channel track. Great for doors, tools, curtains and other applications.

		Design Load	
FPM	RPM	(lbs)	(kN)
180	600	300	1.33
90	300	450	2.00
30	100	600	2.67

3 13/32" 86.5 mm
13/16" 20.6 mm
15/16" (23.8 mm)
9/16" dia. holes 14.3 mm
13/16" (20.6 mm)

S871T-EG Do not lubricate.

		Design Load	
FPM	RPM	(lbs)	(kN)
180	600	150	0.67
90	300	225	1.00
30	100	437	1.94

3 13/32" 86.5 mm
13/16" 20.6 mm
1 1/4" (31.8 mm)
9/16" dia. 14.3 mm

S870T-EG Do not lubricate.

Design Load 100 lbs (0.44 kN)

Slots 9/16" x 9/32" 14.3 mm x 7.14 mm
1 23/32" 43.7 mm
9/32" dia. 7.14 mm
1" (25.4 mm)
3 1/8" (79.4 mm)

S875T-EG Do not lubricate.

Design Load 100 lbs (0.44 kN)

Same as S875T-EG with 1/4" dia. eye bolt
1" dia. eye 25.4 mm
1/4" dia. rod 6.35 mm
2 7/16" 61.9 mm

S876HT-EG Do not lubricate.

Design Load 50 lbs (0.22 kN)

1 21/32" 42.1 mm
9/32" dia. 7.14 mm
3/4" (19.1 mm)
1 1/4" (31.8 mm)

S873T-EG Do not lubricate.

Design Load 1200 lbs (5.28 kN)

Requires 3/8" x 2 1/2" bolt and 3/8" nut (not included)
1 5/8" (41.3 mm)
9/16" dia. 14.3 mm
7/16" dia. 11.1 mm
3 3/4" 95.3 mm
1" (25.4 mm)

S878TS-EG

Design Load 2500 lbs (11.34 kN)

Requires 3/8" x 2 1/2" bolt and 3/8" nut (not included)
3 1/2" (88.9 mm)
9/16" dia. 14.3 mm
7/16" dia. 11.1 mm
3 3/4" 95.3 mm
1" (25.4 mm)

S877TS-EG

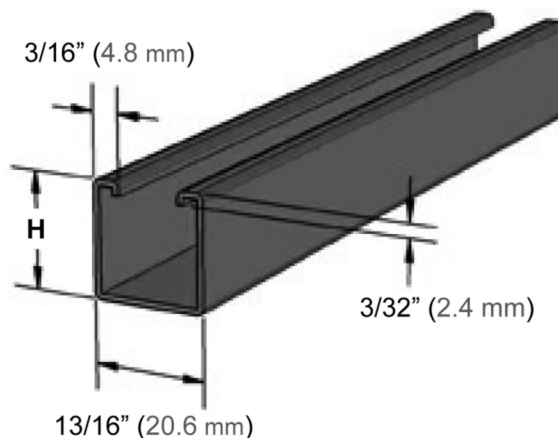
Wheel bearings are stainless steel. Do not lubricate. Vertical measurements include wheels where applicable.

STRUT CHANNEL: MINI



STEEL

Catalogue Prefix	H (Inches)	H (mm)	Thickness (Ga.)
S18	13/16	10.32	20
S19	13/32	7.94	20



Finishes:

Pre-galvanized (standard) | G

Plain Steel | P

Add suffix above to catalogue prefix to specify required finish (S18G-120).
 Special coatings (paint, epoxy, PVC) can be supplied to your specifications.

STAINLESS STEEL

Sasco Mini Strut Channels are available in Type 304 stainless steel. Use suffix SS4 for part number (S18SS4-120).
 Stainless steel Type 316 available upon request (SS6).

CLAMPING NUTS: MINI STRUT

Sasco Mini Strut Clamping Nuts allow attachment anywhere along the continuous slot of the Mini Strut Channels without drilling or welding. If change is required, fittings are easily adjusted, removed or reused.



Thread Size	Catalogue Numbers	
	Regular Spring	Short Spring
#8 - 32	SM-0832	SM-0832S
#10 - 32	SM-1032	SM-1032S
1/4" - 20	SM-14	SM-14S

Standard finish is electroplated zinc.

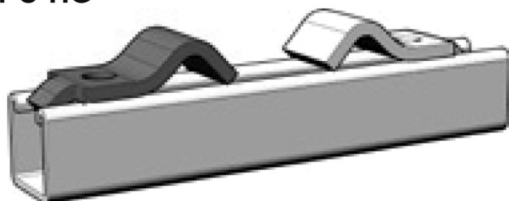




MECHANICAL FITTINGS

PIPE BLOCK

S11PC-HG

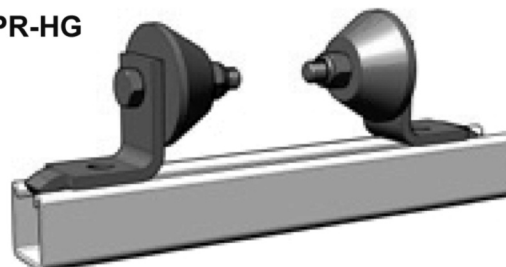


Use in pairs.

For pipe diameters 2 to 8" (50.8 to 203.2 mm)

PIPE ROLLERS

S1PR-HG



Design Load 500 lbs (227 kg)

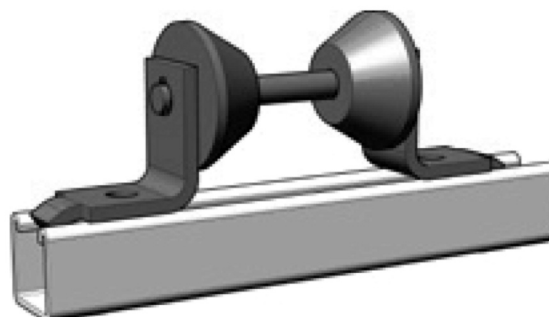
For pipe diameters 1/2 to 4" (12.7 to 101.6 mm)

PIPE ROLLERS

Design Load 750 lbs (340 kg)

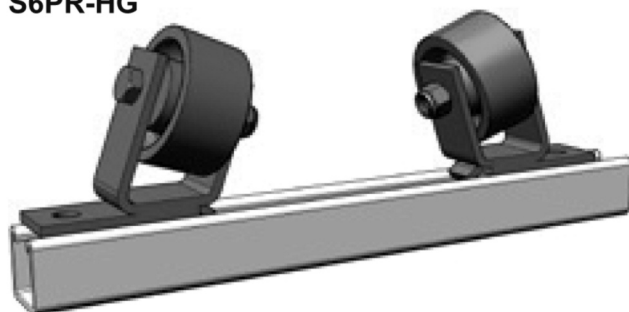
For pipe diameters 1 to 8" (25.4 to 203.2 mm)

Catalogue No.	Pipe Diameter	
	(Inches)	(mm)
S2PR-HG	1 - 3	25.4 - 76.2
S3PR-HG	1 - 4	25.4 - 101.6
S4PR-HG	1 - 6	25.4 - 152.4
S5PR-HG	1 - 8	25.4 - 203.2



PIPE ROLLERS

S6PR-HG

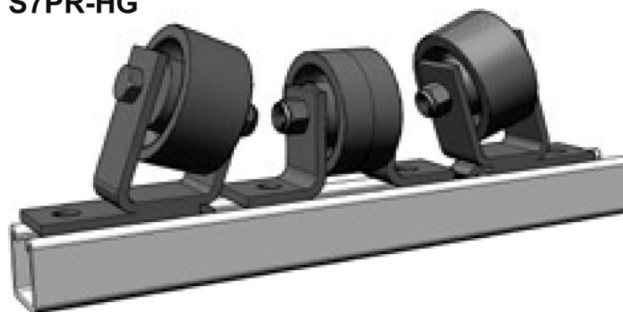


Design Load 1500 lbs (680 kg)

For pipe diameters 6 to 16" (152.4 to 406.4 mm)

PIPE ROLLERS

S7PR-HG



Design Load 2000 lbs (907 kg)

For pipe diameters 16 to 24" (406.4 to 609.6 mm)

Note: 1/2" Clamping Nuts and 1/2" x 1" hex head cap screws must be ordered separately for each assembly above.