PHD Manufacturing, Inc.

HANGERS, STRUT, AND FITTINGS SUBMITTAL

Prepared By:

Enter Company Name

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MECHANICAL (SECTION 23 05 29)

Spec Section (If different from above)

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CLEVIS HANGERS

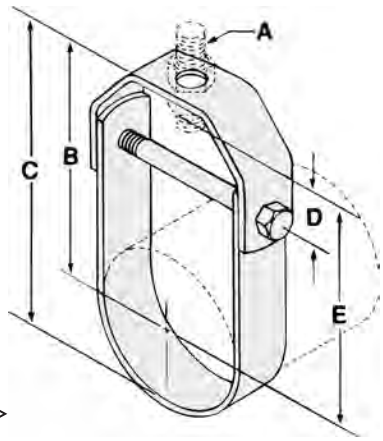
FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. Fig. 450F has a layer of felt which separates the pipe from the hanger to reduce vibration and sound. The PVC coating on Fig. 453 protects the pipe from the metal surface of the hanger.

APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for 2 1/2" to 8" only. Complies with Federal Specifications A-A-1192A (Type 1) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 1).

MATERIAL: Low carbon steel

ORDERING: Specify pipe size and figure number.

Note: When an over-sized clevis is used, a pipe spacer should be placed over the clevis bolt to prevent the lower U-strap from moving inward.



"D" Adjustment
(Top of cross bolt to bottom of hanger rod nut.)

Fig. 450, 450F, 451, 453 & 454 STANDARD CLEVIS HANGER

Fig. 450 PLAIN
Fig. 450F PLAIN WITH FELT LINING
Fig. 451 ELECTRO-GALVANIZED
Fig. 453 PLAIN WITH PVC COATING
Fig. 454 HOT DIPPED GALVANIZED W/ELECTRO-GALVANIZED HARDWARE

Pipe Size	Rod Size A	B	C	Adjustment D	E	Cross Bolt	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	3/8	2 7/16	2 7/8	1 1/8	2	1/4	730	.24
3/4	3/8	2 5/8	3 1/8	1 1/4	2 3/16	1/4	730	.24
1	3/8	3 1/16	3 3/4	1 5/8	2 5/8	1/4	730	.28
1 1/4	3/8	3 3/8	4 3/16	1 5/8	2 15/16	1/4	730	.32
1 1/2	3/8	3 1/2	4 7/16	1 1/2	3 1/16	1/4	730	.40
2	3/8	3 3/4	5	1 5/8	3 5/16	1/4	730	.52
2 1/2	1/2	4 5/8	6 1/16	2	4 1/16	3/8	1350	.72
3	1/2	4 7/8	6 5/8	1 13/16	4 1/4	3/8	1350	.78
3 1/2	1/2	4 1/2	6 1/2	1 1/4	3 7/8	3/8	1350	1.16
4	5/8	5 1/2	7 11/16	1 3/4	4 11/16	3/8	1430	1.35
5	5/8	6 1/8	9 1/8	1 7/8	5 5/16	1/2	1430	1.88
6	3/4	6 7/8	10 1/8	1 5/8	6	1/2	1940	2.76
8	3/4	8 3/4	12 7/8	2 1/8	7 7/8	5/8	2000	4.35
10	7/8	9 1/2	14 7/8	1 3/4	8 1/8	3/4	3600	8.11
12	7/8	11 5/8	18	2 1/2	10 1/2	3/4	3800	10.05
14	1	12 3/4	19 3/4	2 5/8	11 1/4	7/8	4200	12.97
16	1	14 1/8	22 1/8	2 5/8	13 5/8	1	4600	20.85
18	1 1/8	16 1/2	25 1/2	3 1/2	15	1 1/8	4800	24.75
20	1 1/4	18	28	4 1/8	16 1/8	1 1/4	4800	42.45
24	1 1/4	20 1/4	32 1/4	4 3/4	18 3/8	1 1/4	4800	48.65
30	1 1/4	24 1/2	38 7/8	5 1/2	21 1/2	1 1/4	6000	69.83
36	1 1/2	32	50	8 3/4	30	1 1/2	9500	175.00

Note: *Use of an upper locknut ensures proper performance. Pipe spacers provided on 30" and larger clevises. If ordering Fig. 450F felt lined hangers for pipe sizes of 3 1/2" or under, order the next largest size to allow for the thickness of the felt lining.*

Clevis Hangers

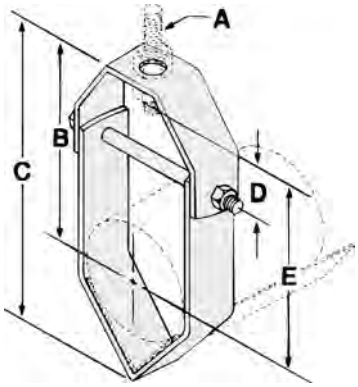
Fig. 450V PLASTIC PIPE CLEVIS HANGER

FUNCTION: Designed for the suspension of flexible plastic pipe lines. Used in conjunction with Fig. 450T.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify size number and figure number.



Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

"D" Adjustment
(Top of cross bolt to bottom of hanger rod nut.)

Size No.	Pipe Size	Rod Size A	B	C	Adj. D	E	Cross Bolt	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	1/2	3/8	4 3/4	5 1/2	1 5/8	4 5/16	1/4	150	.38
1	3/4	3/8	4 9/16	5 1/2	1 5/8	4 1/8	1/4	150	.38
1	1	3/8	4 3/8	5 1/2	1 5/8	3 15/16	1/4	150	.38
1	1 1/4	3/8	4 1/8	5 1/2	1 5/8	3 11/16	1/4	150	.38
1	1 1/2	3/8	4	5 1/2	1 5/8	3 9/16	1/4	150	.38
1	2	3/8	3 11/16	5 1/2	1 5/8	3 1/4	1/4	150	.38
2	2 1/2	5/8	6 5/8	8 3/4	1 3/4	5 13/16	3/8	150	1.15
2	3	5/8	6 3/16	8 3/4	1 3/4	5 3/8	3/8	150	1.15
2	3 1/2	5/8	5 13/16	8 3/4	1 3/4	5	3/8	150	1.15
2	4	5/8	5 7/16	8 3/4	1 3/4	4 5/8	3/8	150	1.15

Note: *Use of an upper locknut ensures proper performance.*

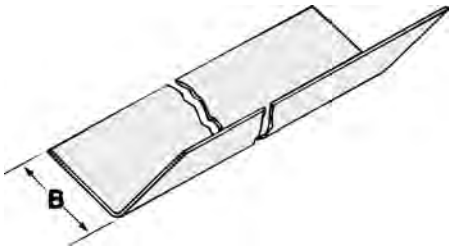
Fig. 450T PLASTIC PIPE SUPPORT TROUGH

FUNCTION: Designed for use with Fig. 450V as a support for plastic or other flexible pipe systems. Hangers should be placed as close to the trough joints as possible.

MATERIAL: Low carbon steel

FINISH: Pre-galvanized

ORDERING: Specify size number and figure number.



Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Size No.	For Pipe Sizes	B	Steel Gauge	Trough Length	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	1/2 - 2	1 1/2	18 ga.	10 ft.	150	5.40
2	2 1/2 - 4	3	18 ga.	10 ft.	150	10.75

Clevis Hangers

FUNCTION: Designed for the suspension of stationary insulated pipe lines. Fig. 455 is a combination of our Fig. 160 shield welded to a Fig. 450 clevis hanger which ensures that the shield will be installed in conjunction with the hanger. The shield is furnished with flared ends to prevent it from cutting into the insulation.

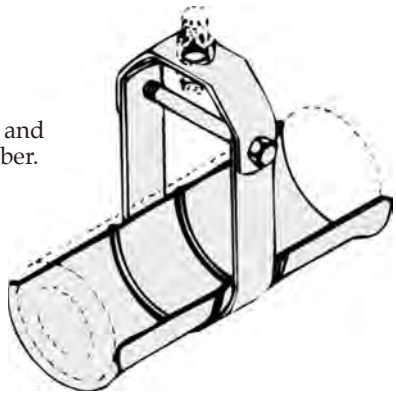
MATERIAL: Low carbon steel

FINISH: Plain low carbon steel clevis with pre-galvanized shield

ORDERING: Specify size number and figure number.

Fig. 455
CLEVIS WITH SECURED INSULATION SHIELD

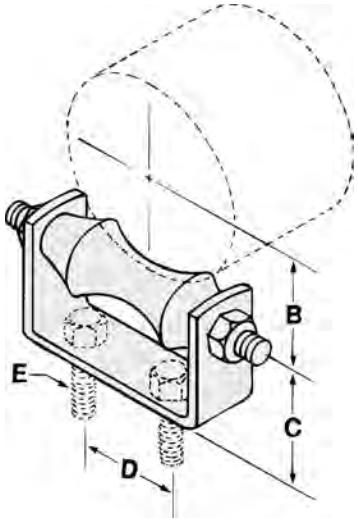
Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



Size No.	Rod Size A	Shield I.D.	Shield Length	Shield Gauge	Hanger Size	Wt. Each (in lbs.)
1	3/8	2 3/8	8	18	2	.95
2	1/2	2 5/8	8	18	2 1/2	1.50
3	1/2	2 7/8	8	18	2 1/2	1.54
4	1/2	3 1/2	8	18	3	1.62
5	1/2	4	8	18	3 1/2	1.95
6	5/8	4 1/2	8	18	4	2.38
7	5/8	5	8	18	5	2.98
8	5/8	5 5/8	8	18	5	3.10
9	3/4	6	8	18	6	3.77
10	3/4	6 5/8	8	18	6	3.92
11	3/4	7 5/8	12	18	8	6.33
12	3/4	8 5/8	12	18	8	6.66
13	7/8	9 5/8	12	18	10	10.84
14	7/8	10 3/4	12	18	10	11.17
15	7/8	11 3/4	12	18	12	13.39
16	7/8	12 3/4	12	18	12	13.65
17	1	14	12	18	14	16.93
18	1	15	12	18	16	25.08
19	1	16	12	18	16	25.20
20	1 1/8	17	12	18	18	29.55
21	1 1/8	18	12	18	18	29.83
22	1 1/4	19	12	18	20	47.81
24	1 1/4	21	12	18	24	53.73

Note: *To determine proper size, consult shield selection guide on page 28. Use of an upper locknut ensures proper performance.*

Fig. 460
PIPE ROLLER CHAIR



FUNCTION: Designed for supporting pipe in applications where horizontal movement, due to expansion and contraction, will occur but vertical adjustment is not necessary. The chair can be welded directly to the steel structure or secured in place through bolt holes.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 44) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 44).

MATERIAL: Cast iron pipe roller with low carbon steel chair, axle and hex nuts.

FINISH: Plain

SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number. Order mounting bolts separately.

"B" Center of axle to center of pipe

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Roller Size	B	C	D	Recommended Bolt Size (Not Included) E	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
2	1 5/8	1 1/2	1 1/4	3/8 X 1 1/2	300	.90
2 1/2	2	1 5/8	1 1/4	3/8 X 1 1/2	600	1.19
3	2 1/4	1 3/4	2	3/8 X 1 1/2	600	1.48
3 1/2	2 5/8	2	2	3/8 X 1 1/2	600	2.44
4	2 3/4	2 1/4	2	1/2 X 1 1/2	700	2.85
5	3 1/2	2 1/2	3	1/2 X 1 1/2	700	3.75
6	4	2 3/4	3 1/4	1/2 X 1 1/2	1000	5.76
8	5 1/8	3	3 3/8	5/8 X 1 1/2	1300	8.10
10	6 3/8	3 5/8	5 1/4	5/8 X 2	1700	12.28
12	7 1/2	4 1/8	5 1/2	5/8 X 2	2300	20.54
14	8 3/8	4 11/16	6 1/2	3/4 X 2	3100	25.63
16	9 1/2	5 3/8	8 1/4	3/4 X 2 1/2	3900	37.38
18	10 1/2	6	9 1/4	3/4 X 2 1/2	4200	45.26
20	11 5/8	6 3/8	10 3/8	3/4 X 2 1/2	4500	52.35
24	14	7 1/4	12 1/4	7/8 X 3 1/2	6000	88.00

Pipe Roller Supports

FUNCTION: Designed for suspending pipe in applications where horizontal movement, due to expansion and contraction, will occur and vertical adjustment is necessary. The knurled insert provided with Fig. 475 allows easier vertical adjustment.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 43) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 43).

MATERIAL: Cast iron pipe roller with low carbon steel frame, axle and hex nuts.

FINISH: Plain

SIZING: Pipe roller size is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number.

Fig. 475 Available up to 8" Pipe Roller Size

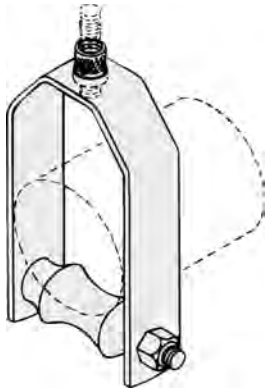
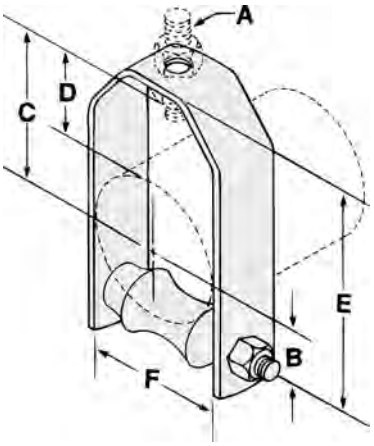


Fig. 475

Fig. 470 & 475 PIPE ROLLER HANGER

Fig. 470* WITHOUT SWIVEL
Fig. 475 WITH ADJUSTING SWIVEL

*Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



"B" Center of axle to center of pipe

Fig. 470

Pipe Roller Size	Rod Size A	B	C	Adjustment D	E	F	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
2	3/8	1 5/8	2 5/8	1 1/16	4 3/8	3	150	1.05
2 1/2	1/2	2	2 3/8	1 3/16	5	3 1/4	225	1.29
3	1/2	2 1/4	3 1/2	1 3/4	6 3/8	3 7/8	310	1.56
3 1/2	1/2	2 5/8	3 3/4	1 3/4	7	4 3/8	390	1.83
4	5/8	2 3/4	3 15/16	1 11/16	7 1/2	5	475	2.81
5	5/8	3 1/2	4 5/16	1 9/16	8 5/8	6	685	4.42
6	3/4	4	5 3/8	2 1/16	10 1/4	7 1/8	780	5.98
8	3/4	5 1/8	6 1/2	2 3/16	12 3/4	9 1/4	780	11.42
10	7/8	6 3/8	7 3/8	2	15	11 1/4	965	17.36
12	7/8	7 1/2	8 3/4	2 3/8	17 3/8	13 1/4	1200	24.62
14	1	8 3/8	9	2	18 7/8	14 3/4	1200	36.00
16	1	9 1/2	9 3/4	1 3/4	20 3/4	16 7/8	1200	44.00
18	1	10 1/2	11 3/4	2 3/4	23 3/4	18 7/8	1400	54.00
20	1 1/4	11 5/8	12 1/2	2 1/2	26	20 7/8	1600	74.00
24	1 1/2	13 13/16	16 1/2	4 1/2	31	25	1600	126.00

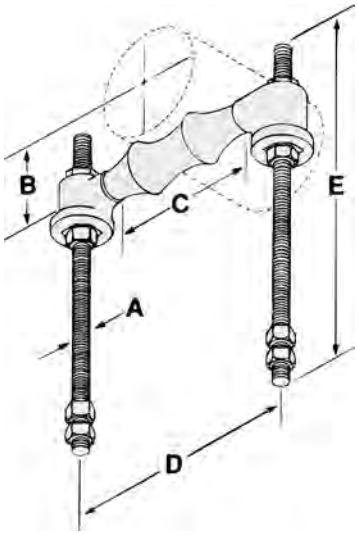
Note: *For Fig. 470 use of an upper locknut ensures proper performance.*

Fig. 480 & 480D ADJUSTABLE PIPE ROLLER SUPPORT

Fig. 480 SINGLE PIPE ROLLER
Fig. 480D DOUBLE PIPE ROLLER

FUNCTION: Designed to support pipe in applications where horizontal movement, due to expansion and contraction, will occur and a vertical adjustment of up to 6 inches may be required. Fig. 480D is designed for supporting and guiding pipe where longitudinal movement and vertical adjustment are required.

APPROVALS: Fig. 480 only, complies with Federal Specifications A-A-1192A (Type 41) and Manufacturers' Standardization Society ANSI/ SP-69 and SP-58 (Type 41).



"B" Center of axle to center of pipe.

Fig. 480

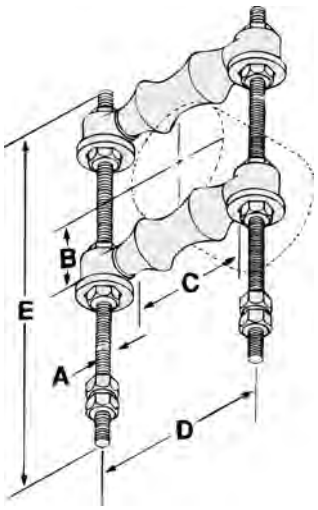


Fig. 480D

MATERIAL: Cast iron pipe roller and sockets with low carbon steel rods, axles and hex nuts.

FINISH: Plain

SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number. Shipped with rods and nuts unassembled.

Pipe Roller Size	Rod Size A	B*	C	D	E		Max. Rec. Load/lbs.	Wt. Each (in lbs.)	
					480	480D		480	480D
1	3/8	1	1 1/2	3 1/4	7 1/4	—	600	1.08	—
1 1/4	3/8	1 1/4	1 7/8	3 1/2	7 1/4	—	600	1.17	—
1 1/2	3/8	1 3/8	2 1/8	3 5/8	7 1/4	—	600	1.20	—
2	3/8	1 5/8	2 7/8	4 1/4	7 1/4	12	600	1.25	3.23
2 1/2	1/2	2	3 1/8	5 1/16	8	14	600	2.25	4.65
3	1/2	2 1/4	3 3/4	5 9/16	8	14	700	2.36	5.01
3 1/2	1/2	2 5/8	4 1/4	6 1/16	8	14	750	2.60	5.25
4	5/8	2 3/4	4 3/4	6 9/16	9	18	750	3.65	7.57
5	5/8	3 1/2	5 3/4	8 3/8	9	18	750	4.59	8.72
6	3/4	4	6 7/8	9 5/8	10	24	1070	7.50	16.87
8	7/8	5 1/8	8 7/8	11 3/4	10	24	1350	11.00	22.77
10	7/8	6 3/8	11	14	11	30	1730	13.68	28.30
12	7/8	7 1/2	13	15 7/8	11	30	2400	19.30	38.17
14	1	8 3/8	14 3/8	17 3/4	12	36	3130	31.20	64.13
16	1 1/4	9 1/2	16 3/8	20 3/4	18	—	3970	42.35	—
18	1 1/4	10 1/2	18 3/8	22 3/8	18	—	4200	46.50	—
20	1 1/4	11 5/8	20 3/8	24 1/2	18	—	4550	66.00	—
24	1 1/2	14	24 3/8	28 5/16	24	—	6160	102.50	—
30	1 1/2	17 1/2	30 3/8	35	24	—	7290	186.80	—

**Due to the inconsistent dimensions associated with cast parts, please contact the factory if the "B" dimension is critical for installation.*

Pipe Roller Supports

FUNCTION: Designed to support pipe in applications where horizontal movement, due to expansion and contraction, will occur and a vertical adjustment is required. The roller assembly is attached by means of the threaded support rods and locked in place after correct alignment with the hex nuts provided.

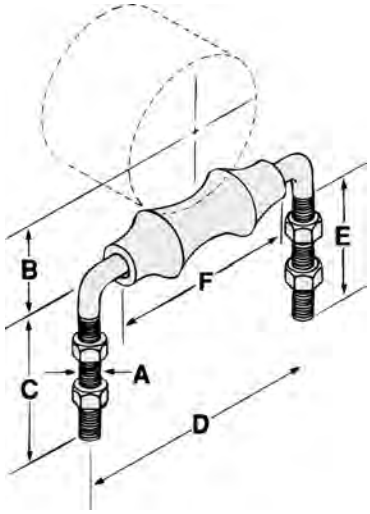
MATERIAL: Cast iron pipe roller with low carbon steel rod with four hex nuts.

FINISH: Plain

SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number.

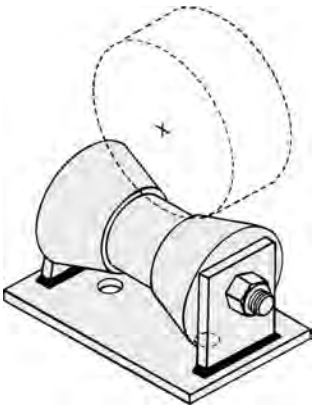
Fig. 483
ADJUSTABLE PIPE ROLLER SUPPORT



"B" Center of axle to center of pipe.

Pipe Roller Size	Rod Size A	B	C	D	E	F	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
2	3/8	1 5/8	4 1/4	4 1/2	2 3/4	2 7/8	450	.56
2 1/2	1/2	2	4 1/2	4 3/8	3 1/2	3 1/8	450	.93
3	1/2	2 1/4	4 1/2	5 1/8	3 1/2	3 3/4	450	1.01
3 1/2	1/2	2 5/8	4 1/2	5 7/8	3 1/2	4 1/4	450	1.26
4	1/2	2 3/4	4 1/2	6 3/4	3 1/2	4 3/4	560	1.32
5	5/8	3 1/2	4 1/2	7 1/2	3 1/2	5 3/4	560	2.39
6	3/4	4	4 1/2	8 1/2	3 1/2	6 7/8	780	3.56
8	7/8	5 1/8	5 1/4	11	4	8 7/8	1800	5.88
10	7/8	6 3/8	5 1/4	13 1/2	4	11	1800	9.23
12	1	7 1/2	6	15 1/4	5	13	1800	12.97
14	1 1/8	8 3/8	7	17 1/2	5 1/2	14 3/8	3075	22.46
16	1 1/4	9 1/2	8	20	6	16 3/8	3075	28.35

Fig. 486
PIPE ROLLER STAND



FUNCTION: Designed to support pipe in applications where horizontal movement, due to expansion and contraction, will occur.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 44) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 44).

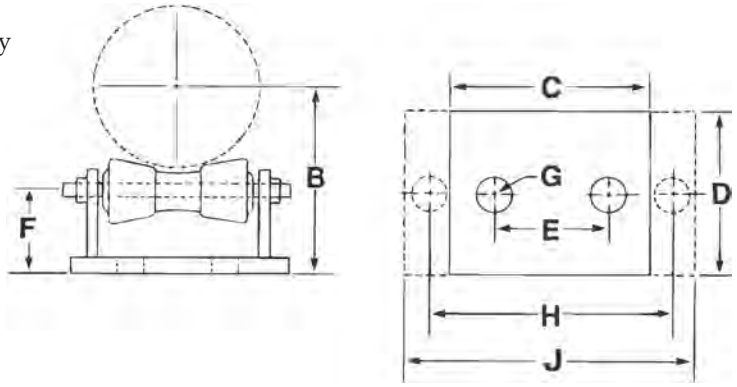
MATERIAL: Cast iron pipe roller with low carbon steel stand and axle.

FINISH: Plain

SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles. The two cored holes "G" on roller sizes 2 thru 6 are on the outside of the stand.

ORDERING: Specify pipe roller size and figure number.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



Pipe Roller Size	B	C	D	E	F	G	H	J	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
2 2 1/2 3 3 1/2	3 1/2 3 7/8 4 1/8 4 3/8	–	6	—	1 3/4	1	6 3/8	8 3/8	390	4.48
4 5 6	4 13/16 5 7/16 6 1/16	–	6	—	2 1/16	1	7 7/8	9 7/8	950	6.85
8 10	8 11/16 9 13/16	8 5/8	7	4 1/8	3 7/16	1	—	—	2100	14.09
12 14	11 3/8 12	10 7/8	8	5 13/16	3 7/8	1	—	—	3075	22.09
16 18 20	13 5/8 14 5/8 15 5/8	12 1/2	9	6 7/8	4 1/4	1	—	—	4980	32.00
24	17 3/4	13 1/2	9	7 5/8	4 3/8	1	—	—	6100	41.43
30	21 7/8	17	12	10	5 1/8	1	—	—	7500	80.00
36 42	25 3/4 28 7/8	20	12	12	5 3/4	1	—	—	12000	125.00

Pipe Roller Supports

FUNCTION: Designed to support pipe in applications where horizontal movement, due to expansion and contraction, will occur and vertical adjustment is required.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 46) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 46).

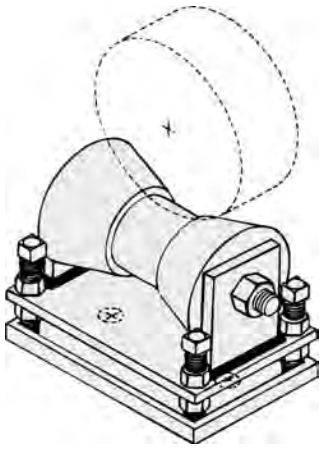
MATERIAL: Cast iron pipe roller and base with low carbon steel stand, axle and adjusting screws with locknuts.

FINISH: Plain

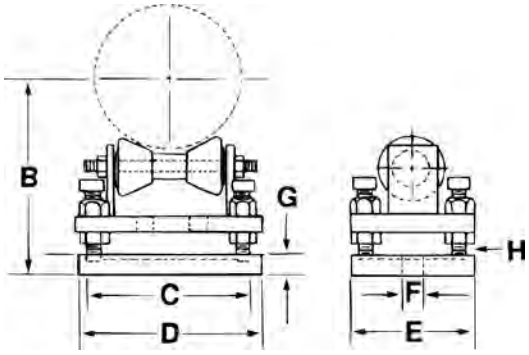
SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number.

Fig. 487
ADJUSTABLE PIPE ROLLER STAND WITH BASE



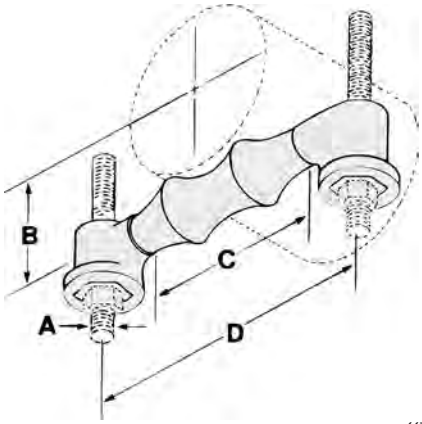
Note: Refer to Fig. 486 for measurements of roller stand.



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Roller Size	B		C	D	E	Hole Size F	G	Bolt Size H	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
	Min.	Max.								
2	5 1/8	5 3/8	3 7/8	7	5 1/2	1	1	5/8	390	12.03
2 1/2	5 3/8	5 5/8								
3	5 3/4	6								
3 1/2	6	6 1/4								
4	6 1/2	7	5 1/8	8 3/8	5 3/4	1	1	5/8	950	15.24
5	7	7 1/2								
6	7 5/8	8 1/8								
8	10 3/8	11 5/8	7 3/8	10 3/4	6 3/4	1	1 1/8	3/4	2100	30.59
10	11 1/2	12 3/4								
12	13	14 1/4	9 1/2	13 1/8	8	1	1 3/8	7/8	3075	44.96
14	13 5/8	14 7/8								
16	15 1/4	16 5/8	11 1/8	14 1/2	8 5/8	1	1 3/8	1	4980	64.10
18	16 3/8	17 3/4								
20	17 3/8	18 3/4								
24	19 5/8	21	12 1/4	16	8 5/8	1	1 3/8	1	6100	76.68
30	24	26 3/4	15 3/4	19 5/16	10 1/2	1	1 5/8	1 1/4	7500	142.25
36	23 3/16	29 3/16	16	22	11 1/2	1	1 5/8	1 1/2	12000	156.23
42	29 1/4	32 1/4								

Fig. 490
PIPE ROLLER WITH SOCKETS



"B" Center of axle to center of pipe.

FUNCTION: Designed to suspend pipe in applications where horizontal movement, due to expansion and contraction, will occur.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 41) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 41).

MATERIAL: Cast iron pipe roller and sockets with low carbon steel axle

FINISH: Plain

SIZING: Pipe roller size shown is for bare pipe. For proper sizing with insulation, refer to pipe roller selection guide on page 49, which is for use with pipe covering protection saddles.

ORDERING: Specify pipe roller size and figure number.

Pipe Roller Size	Rod Size A	B*	C	D	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	3/8	1	1 1/2	3 1/4	600	.44
1 1/4	3/8	1 1/4	1 7/8	3 1/2	600	.48
1 1/2	3/8	1 3/8	2 1/8	3 5/8	600	.50
2	3/8	1 5/8	2 7/8	4 1/4	600	.57
2 1/2	1/2	2	3 1/8	5 1/16	660	.98
3	1/2	2 1/4	3 3/4	5 9/16	700	1.10
3 1/2	1/2	2 5/8	4 1/4	6 1/16	750	1.36
4	5/8	2 3/4	4 3/4	6 9/16	750	1.62
5	5/8	3 1/2	5 3/4	8 3/8	750	2.60
6	3/4	4	6 7/8	9 5/8	1070	4.42
8	7/8	5 1/8	8 7/8	11 3/4	1350	7.20
10	7/8	6 3/8	11	14	1730	9.50
12	7/8	7 1/2	13	15 7/8	2400	16.00
14	1	8 3/8	14 3/8	17 3/4	3130	24.20
16	1 1/4	9 1/2	16 3/8	20 3/4	3970	31.75
18	1 1/4	10 1/2	18 3/8	22 3/8	4200	35.10
20	1 1/4	11 5/8	20 3/8	24 1/2	4550	47.00
24	1 1/2	14	24 3/8	28 5/16	6160	76.20
30	1 1/2	17 1/2	30 3/8	35	7290	130.00

**Due to the inconsistent dimensions associated with cast parts, please contact the factory if the "B" dimension is critical for installation.*

Pipe Roller Selection Guide

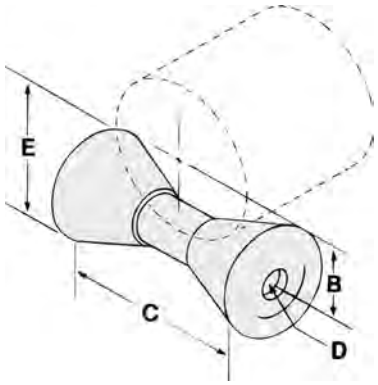
For use with pipe covering protection saddle figures 651-658 on pages 65-67.

Pipe Size	Insulation Thickness	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487
1/2	1	2	2 1/2	2 - 3 1/2
	1 1/2	3	3 1/2	2 - 3 1/2
	2	4	5	2 - 3 1/2
	2 1/2	—	—	—
	3	—	—	—
	4	—	—	—
3/4	1	2	2 1/2	2 - 3 1/2
	1 1/2	3	3 1/2	2 - 3 1/2
	2	4	5	2 - 3 1/2
	2 1/2	—	—	—
	3	—	—	—
	4	—	—	—
1	1	2 1/2	3	2 - 3 1/2
	1 1/2	3	4	2 - 3 1/2
	2	4	5	2 - 3 1/2
	2 1/2	—	—	—
	3	—	—	—
	4	—	—	—
1 1/4	1	2 1/2	3	2 - 3 1/2
	1 1/2	3 1/2	5	2 - 3 1/2
	2	4	5	2 - 3 1/2
	2 1/2	5	6	4 - 6
	3	—	—	—
	4	—	—	—
1 1/2	1	3	3 1/2	2 - 3 1/2
	1 1/2	3 1/2	5	2 - 3 1/2
	2	5	6	4 - 6
	2 1/2	6	8	4 - 6
	3	—	—	—
	4	—	—	—
2	1	3 1/2	4	2 - 3 1/2
	1 1/2	4	5	2 - 3 1/2
	2	5	6	4 - 6
	2 1/2	6	8	4 - 6
	3	8	8	4 - 6
	4	—	—	—
2 1/2	1	3 1/2	5	2 - 3 1/2
	1 1/2	5	6	4 - 6
	2	6	8	4 - 6
	2 1/2	8	8	4 - 6
	3	8	10	4 - 6
	4	—	—	—
3	1	4	5	2 - 3 1/2
	1 1/2	5	6	4 - 6
	2	6	8	4 - 6
	2 1/2	8	8	4 - 6
	3	8	10	8 - 10
	4	—	—	—
3 1/2	1	5	6	4 - 6
	1 1/2	6	8	4 - 6
	2	8	8	4 - 6
	2 1/2	8	10	8 - 10
	3	10	10	8 - 10
	4	—	—	—
4	1	5	6	4 - 6
	1 1/2	6	8	4 - 6
	2	8	8	4 - 6
	2 1/2	8	10	8 - 10
	3	10	10	8 - 10
	4	10	12	—

Pipe Size	Insulation Thickness	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487
5	1	6	8	4 - 6
	1 1/2	8	8	4 - 6
	2	8	10	8 - 10
	2 1/2	10	10	8 - 10
	3	10	12	8 - 10
	4	12	14	8 - 10
6	1	8	8	4 - 6
	1 1/2	8	10	8 - 10
	2	10	10	8 - 10
	2 1/2	10	12	8 - 10
	3	12	12	8 - 10
	4	14	16	12 - 14
8	1	10	12	8 - 10
	1 1/2	10	12	8 - 10
	2	10	12	8 - 10
	2 1/2	12	14	8 - 10
	3	14	16	12 - 14
	4	16	18	12 - 14
10	1	12	14	8 - 10
	1 1/2	12	14	8 - 10
	2	14	16	12 - 14
	2 1/2	14	16	12 - 14
	3	16	18	16 - 20
	4	18	20	16 - 20
12	1	14	16	12 - 14
	1 1/2	14	16	12 - 14
	2	16	18	16 - 20
	2 1/2	16	18	16 - 20
	3	18	20	16 - 20
	4	20	—	16 - 20
14	1	—	—	—
	1 1/2	16	18	12 - 14
	2	16	18	16 - 20
	2 1/2	18	20	16 - 20
	3	18	20	16 - 20
	4	20	—	24
16	1	—	—	—
	1 1/2	18	20	16 - 20
	2	18	20	16 - 20
	2 1/2	20	—	16 - 20
	3	20	—	24
	4	24	—	24
18	1	—	—	—
	1 1/2	20	—	16 - 20
	2	20	—	24
	2 1/2	24	—	24
	3	24	—	24
	4	24	—	24
20	1	—	—	—
	1 1/2	24	—	24
	2	24	—	24
	2 1/2	24	—	24
	3	24	—	24
	4	30	—	30
24	1	—	—	—
	1 1/2	30	—	30
	2	30	—	30
	2 1/2	30	—	30
	3	30	—	30
	4	30	—	30

Pipe Roller Supports

Fig. 485
SHORT PIPE ROLLER



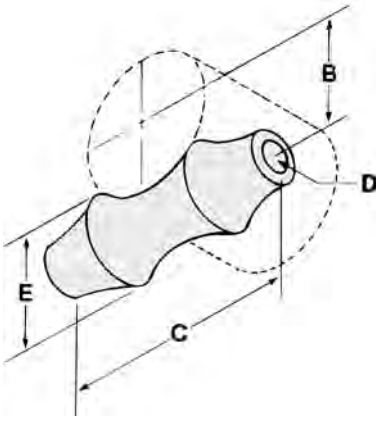
MATERIAL: Cast iron
FINISH: Plain

FUNCTION: Designed for supporting pipe in applications where horizontal movement, due to expansion and contraction, will occur.

ORDERING: Specify pipe roller size and figure number.

Pipe Roller Size	B	C	Hole Size D	E	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
2	1 13/16	2 3/4	9/16	1 15/16	390	.63
2 1/2	2 1/8	2 3/4	9/16	1 15/16	390	.63
3	2 7/16	2 3/4	9/16	1 15/16	390	.63
3 1/2	2 11/16	2 3/4	9/16	1 15/16	390	.63
4	3	3 3/4	9/16	2 1/4	950	1.06
5	3 9/16	3 3/4	9/16	2 1/4	950	1.06
6	4 1/8	3 3/4	9/16	2 1/4	950	1.06
8	5 1/4	6	13/16	3 3/16	2100	2.88
10	6 3/8	6	13/16	3 3/16	2100	2.88
12	7 1/2	8	1	4	3075	6.38
14	8 3/16	8	1	4	3075	6.38
16	9 5/16	9	1 1/4	4 1/2	4980	9.25
18	10 3/8	9	1 1/4	4 1/2	4980	9.25
20	11 7/16	9	1 1/4	4 1/2	4980	9.25
24	13 7/16	10	1 1/2	4 3/8	6100	10.63
30	16 9/16	12 1/4	1 7/8	5 3/16	7500	19.75
36	19 11/16	14	2 1/8	6	12000	34.06
42	22 3/4	14	2 1/8	6	12000	34.06

Fig. 495
LONG PIPE ROLLER



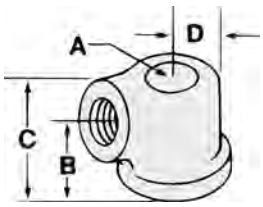
MATERIAL: Cast iron
FINISH: Plain

FUNCTION: Designed for supporting pipe in applications where horizontal movement, due to expansion and contraction, will occur.

ORDERING: Specify pipe roller size and figure number.

Pipe Roller Size	B	C	Hole Size D	E	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	1	1 1/2	7/16	1	600	.12
1 1/4	1 1/4	1 7/8	7/16	1 1/8	600	.15
1 1/2	1 3/8	2 1/8	7/16	1 3/16	600	.23
2	1 5/8	2 7/8	7/16	1 3/16	600	.34
2 1/2	2	3 1/8	9/16	1 7/16	700	.37
3	2 1/4	3 3/4	9/16	1 1/2	700	.42
3 1/2	2 5/8	4 1/4	9/16	1 5/8	750	.67
4	2 3/4	4 3/4	9/16	2	750	.90
5	3 1/2	5 3/4	11/16	2 1/8	750	1.29
6	4	6 7/8	13/16	2 7/16	1100	1.80
8	5 1/8	8 7/8	15/16	2 7/8	1350	3.16
10	6 3/8	11	15/16	3 1/2	1750	4.81
12	7 1/2	13	1 1/8	4 1/4	2400	9.10
14	8 3/8	14 3/8	1 1/4	4 5/8	3100	12.32
16	9 1/2	16 3/8	1 3/8	4 7/8	4000	18.77
18	10 1/2	18 3/8	1 3/8	5 5/16	4200	21.97
20	11 5/8	20 3/8	1 3/8	6 1/16	4550	22.35
24	14	24 3/8	1 5/8	7 1/16	6100	42.00
30	17 1/2	30 3/8	1 7/8	9 1/16	7300	98.00

Fig. 496
ROLLER SOCKET



MATERIAL: Cast iron
FINISH: Plain

FUNCTION: Designed for use with Fig. 495.

ORDERING: Specify socket number and figure number.

Socket Number	Rod Size A	Use With Pipe Roller Size	Axle Size	B	C	D	Wt. Each (in lbs.)
1	3/8	1 to 2	3/8	5/8	1	11/16	.12
2	1/2	2 1/2 to 3 1/2	1/2	3/4	1 1/4	11/16	.27
2A	5/8	4	1/2	7/8	1 1/4	13/16	.25
3	5/8	5	5/8	1	1 9/16	1	.53
4	3/4	6	3/4	1 1/4	1 13/16	1 1/8	.92
5	7/8	8 to 10	7/8	1 1/4	2 1/8	1 1/8	1.44
6	7/8	12	1	1 3/8	2 1/4	1 3/8	1.34
7	1	14	1 1/8	1 3/4	2 3/8	1 3/8	2.03
8	1 1/4	16 to 20	1 1/4	1 13/16	3	1 5/8	2.56
9B	1 1/2	24	1 1/2	2 3/16	3 3/8	2 1/16	4.96
10	1 1/2	30	1 3/4	2 9/32	4	2 5/16	6.94

Split Ring Hangers

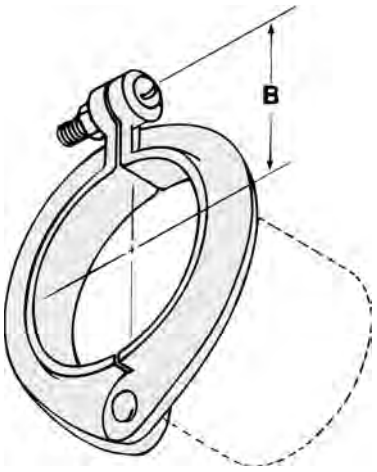
Fig. 500 SPLIT RING HANGER

FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The hinged design allows for ease of placement even after pipe is already in place. Can be used in conjunction with Fig. 44 turnbuckle adjuster.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 11) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 11).

ORDERING: Specify pipe size and figure number.

Pipe Size	B	Bolt Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/8	3/4	1/4 X 1	200	.07
1/2	15/16	1/4 X 1	200	.08
3/4	1 1/8	1/4 X 1	300	.11
1	1 1/4	1/4 X 1	300	.12
1 1/4	1 9/16	1/4 X 1	300	.17
1 1/2	1 11/16	1/4 X 1 1/4	300	.20
2	2 1/16	1/4 X 1 1/4	300	.32
2 1/2	2 1/4	1/4 X 1 1/4	450	.43
3	2 3/4	1/4 X 1 1/4	450	.67
3 1/2	3 1/8	1/4 X 1 1/4	450	.86
4	3 5/8	3/8 X 2	520	.93
5	4 1/2	3/8 X 2	520	1.52
6	5 7/16	1/2 X 2	1300	2.64
8	6 3/8	1/2 X 2	1800	3.84



MATERIAL: Malleable iron

FINISH: Plain

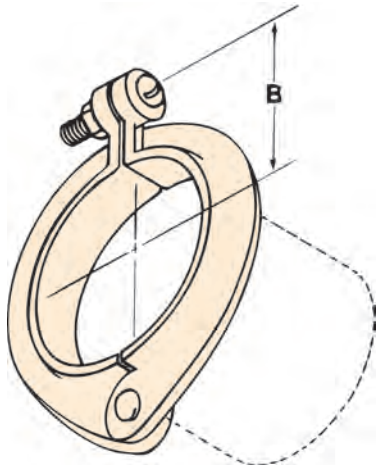
Fig. 502 COPPER TUBING SPLIT RING HANGER

FUNCTION: Designed for the suspension of non-insulated stationary copper tubing. The hinged design allows for ease of placement even after tubing is already in place. Can be used in conjunction with Fig. 44C turnbuckle adjuster.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 11) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 11).

ORDERING: Specify tube size and figure number.

Tube Size	B	Bolt Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	3/4	1/4 X 1	200	.08
3/4	7/8	1/4 X 1	300	.10
1	1 1/8	1/4 X 1	300	.12
1 1/4	1 1/4	1/4 X 1	300	.14
1 1/2	1 3/8	1/4 X 1	330	.18
2	1 11/16	1/4 X 1	300	.26
2 1/2	1 15/16	1/4 X 1 1/4	450	.38
3	2 1/4	1/4 X 1 1/4	450	.49
3 1/2	2 5/8	1/4 X 1 1/4	450	.64
4	2 15/16	1/4 X 1 1/4	520	.88

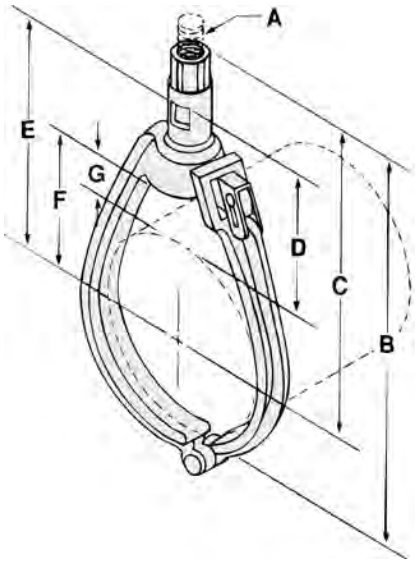


MATERIAL: Malleable iron

FINISH: Copper Color Epoxy Finish

Split Ring Hangers

Fig. 505
ADJUSTABLE SPLIT RING SWIVEL HANGER



FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The hinged design allows for ease of placement even after the hanger is in place. The adjustable swivel allows for vertical adjustment after pipe is in place.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 6) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 6).

MATERIAL: Malleable iron

FINISH: Plain

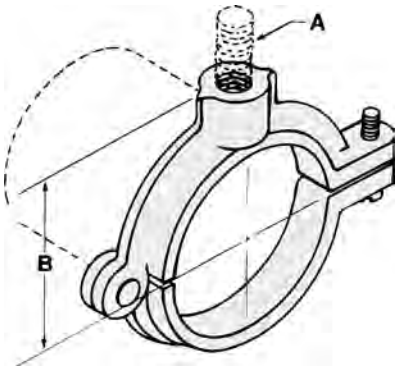
ORDERING: Specify pipe size and figure number.

Pipe Size	Rod Size A	B	C	D	E	F	G	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/4	3/8	2 5/8	2 1/8	—	—	15/16	3/8	300	.23
1	3/8	3	2 5/16	—	—	1 1/8	7/16	300	.25
1 1/4	3/8	3 3/8	2 9/16	—	—	1 3/8	9/16	300	.30
1 1/2	3/8	3 3/4	2 3/4	—	—	1 9/16	5/8	300	.32
2	3/8	4 1/4	3 1/16	—	—	1 7/8	11/16	300	.34
2 1/2	1/2	5 3/4	4 5/16	2 1/8	3 9/16	—	—	500	.65
3	1/2	6 3/8	4 5/8	2 1/8	3 7/8	—	—	500	.78
3 1/2	1/2	7	5	2 1/4	4 1/4	—	—	500	.85
4	5/8	8 1/4	6	2 7/8	5 1/4	—	—	900	1.54
5	5/8	9 1/2	6 3/4	3	5 7/8	—	—	900	2.00
6	3/4	11	7 11/16	3 3/8	6 11/16	—	—	1300	3.20
8	7/8	14	9 11/16	4 3/8	8 9/16	—	—	1800	5.00

Note: *Sizes 3/4 to 2 do not have a window cutout.*

Fig. 508 & 508R
HINGED EXTENSION SPLIT CLAMP

Fig. 508 PIPE THREAD
Fig. 508R BOLT THREAD



FUNCTION: Designed for non-insulated stationary pipe lines in either a horizontal or vertical position. The hinged design allows for a quick installation.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 12) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 12).

MATERIAL: Malleable iron

FINISH: Plain or Electro-galvanized

ORDERING: Specify pipe size, finish and figure number.

Pipe Size	A		B	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
	Pipe Thread Fig. 508	Bolt Thread Fig. 508R			
3/8	1/4	3/8	13/16	180	.13
1/2	1/4	3/8	7/8	180	.14
3/4	1/4	3/8	1	180	.16
1	1/4	3/8	1 1/8	180	.18
1 1/4	1/4	3/8	1 5/16	180	.22
1 1/2	1/4	3/8	1 7/16	180	.38
2	1/4	3/8	1 11/16	180	.44
2 1/2	1/2	1/2	2 1/8	300	.45
3	1/2	1/2	2 7/16	300	.55
4	1/2	1/2	3	300	.95

Split Ring Hangers

Fig. 510 & 510R EXTENSION SPLIT CLAMP

Fig. 510 PIPE THREAD
Fig. 510R BOLT THREAD

FUNCTION: Designed for non-insulated stationary pipe lines in either a horizontal or vertical position.

APPROVALS: Complies with Federal Specification A-A-1192A (Type 12) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 12).

MATERIAL: Malleable iron

FINISH: Plain or Electro-galvanized

ORDERING: Specify pipe size, finish and figure number.

Pipe Size	A		B	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
	Pipe Thread Fig. 510	Bolt Thread Fig. 510R			
3/8	1/4	3/8	13/16	180	.13
1/2	1/4	3/8	7/8	180	.14
3/4	1/4	3/8	1	180	.16
1	1/4	3/8	1 1/8	180	.18
1 1/4	1/4	3/8	1 5/16	180	.22
1 1/2	1/4	3/8	1 7/16	180	.38
2	1/4	3/8	1 11/16	180	.44
2 1/2	1/2	1/2	2 1/8	300	.45
3	1/2	1/2	2 7/16	300	.55
4	1/2	1/2	3 11/32	300	.70

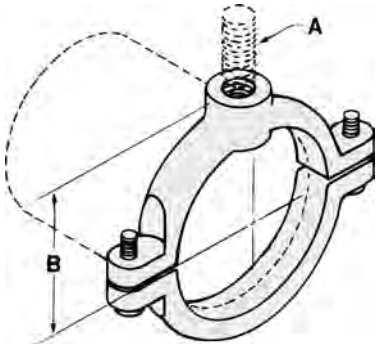


Fig. 512 & 512H COPPER TUBING EXTENSION SPLIT CLAMP

Fig. 512 TWO PIECE DESIGN
Fig. 512H HINGED DESIGN

FUNCTION: Designed for non-insulated stationary tubing lines in either a horizontal or vertical position. The hinged design of Fig. 512H allows for a quicker installation.

APPROVALS: Complies with Federal Specification A-A-1192A (Type 12) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 12).

MATERIAL: Malleable iron

FINISH: Copper color epoxy finish

ORDERING: Specify tube size and figure number.

Tube Size	Rod Size A	B	Max. Rec. Load/lbs.	Wt. Each (in lbs.)	
				Fig. 512	Fig. 512H
3/8	3/8	9/16	180	.07	.08
1/2	3/8	11/16	180	.09	.09
3/4	3/8	7/8	180	.09	.12
1	3/8	1	180	.10	.11
1 1/4	3/8	1 1/8	180	.12	.15
1 1/2	3/8	1 5/16	180	.13	.20
2	3/8	1 1/2	180	.18	.25
2 1/2	1/2	1 7/8	300	.65	.45
3	1/2	2 1/8	300	1.00	.55
4	1/2	2 3/4	300	1.40	.90

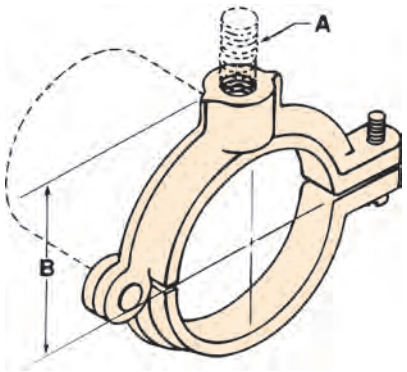
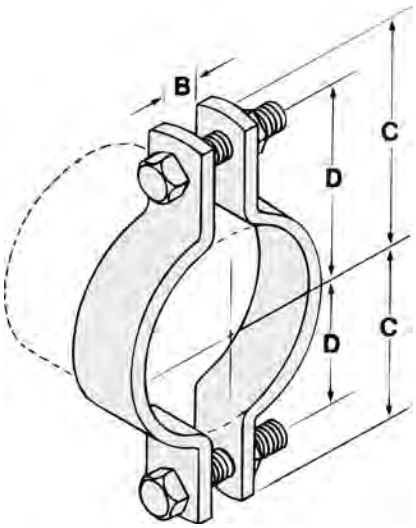


Fig. 512H shown

Fig. 520 & 521 STANDARD PIPE CLAMP

Fig. 520* PLAIN
Fig. 521 ELECTRO-GALVANIZED



FUNCTION: Designed to be used in the suspension of non-insulated pipe lines. Normally used in conjunction with Fig. 35 weldless eye nut, Fig. 50 eye rod or Fig. 55 welded eye rod to allow flexibility at the rod attachment.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 4) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 4).

MATERIAL: Low carbon steel

ORDERING: Specify pipe size and figure number.

*Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

Pipe Size	B	C	D	Bolt Size	Max. Rec. Load/lbs. 650°F	Max. Rec. Load/lbs. 750°F	Wt. Each (in lbs.)
1/2	3/8	1 9/16	1 1/16	3/8	500	445	.31
3/4	3/8	1 3/4	1 1/4	3/8	500	445	.35
1	3/8	1 7/8	1 3/8	3/8	500	445	.39
1 1/4	3/8	2 1/8	1 5/8	3/8	500	445	.40
1 1/2	3/8	2 1/4	1 3/4	3/8	800	715	.45
2	1/2	2 9/16	2 1/16	1/2	1040	930	.90
2 1/2	5/8	3 1/8	2 5/8	1/2	1040	930	1.10
3	5/8	3 5/16	2 13/16	1/2	1040	930	1.20
3 1/2	5/8	3 1/2	3 3/16	1/2	1040	930	1.25
4	3/4	4 1/8	3 3/8	5/8	1040	930	1.85
5	3/4	4 3/4	4 1/8	5/8	1040	930	2.05
6	7/8	5 7/8	4 7/8	3/4	1615	1440	5.06
8	1	7	6	3/4	1615	1440	6.08
10	1	8 13/16	7 9/16	7/8	2490	2220	12.81
12	1	9 7/8	8 7/8	7/8	2490	2220	13.08
14	1 1/8	11 5/16	9 15/16	7/8	2490	2220	16.70
16	1 1/8	12 5/8	10 7/8	7/8	2490	2220	23.19
18	1 1/4	13 3/8	11 5/8	1	3060	2730	33.12
20	1 3/8	14 5/16	12 9/16	1 1/8	3060	2730	38.66
24	1 5/8	17 1/2	15 1/2	1 1/4	3060	2730	52.27
30	2	20 7/8	18 5/8	1 1/2	4000	3520	105.13

FUNCTION: Designed to be used in the suspension of non-insulated pipe lines where heavier loads are to be suspended. Normally used in conjunction with Fig. 35 weldless eye nut or Fig. 55 welded eye rod to allow flexibility at the rod attachment.

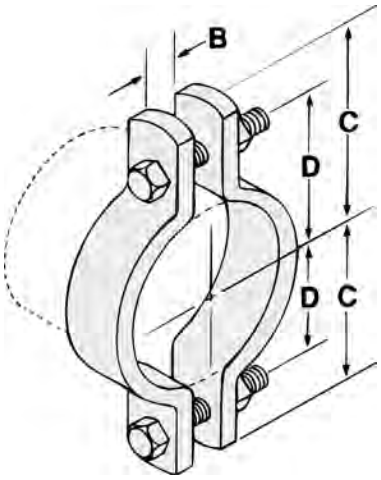
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 4) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 4).

MATERIAL: Low carbon steel.

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Fig. 522
HEAVY DUTY PIPE CLAMP

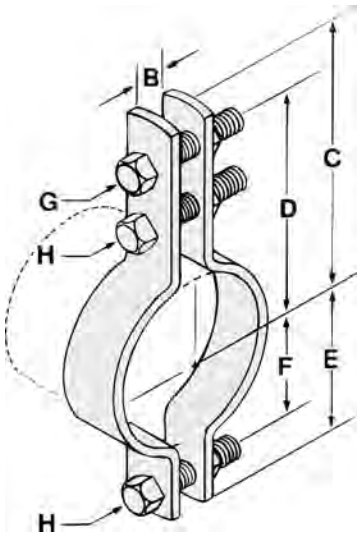


Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

Pipe Size	B	C	D	Bolt Size	Max. Rec. Load/lbs. 650°F	Max. Rec. Load/lbs. 750°F	Wt. Each (in lbs.)
3	1	4 1/8	3	3/4	3370	3005	4.96
3 1/2	1	4 3/8	3 1/4	3/4	3370	3005	5.36
4	1	4 15/16	3 11/16	7/8	3515	3135	5.74
5	1	5 9/16	4 5/16	7/8	3515	3135	7.13
6	1 1/8	6 11/16	5 3/16	1	4865	4340	13.48
8	1 1/8	8 1/4	6 1/4	1	4865	4340	15.78
10	1 1/4	9 7/8	7 7/8	1 1/4	6010	5360	24.20
12	1 5/8	11 7/8	9 1/2	1 1/2	8675	7740	41.54
14	1 5/8	12 1/4	10 1/8	1 1/2	9120	8135	53.25
16	1 5/8	13 15/16	11 3/16	1 1/2	9120	8135	56.35
18	1 5/8	15 1/4	12 3/16	1 1/2	9150	8160	70.12
20	1 5/8	15 13/16	13 5/16	1 1/2	9150	8160	74.68
24	1 3/4	17 3/4	15 3/8	1 1/2	9200	8205	126.29

Note: *Larger sizes available upon request.*

Fig. 525
DOUBLE BOLT PIPE CLAMP



FUNCTION: Designed for the suspension of high temperature insulated pipe lines. Normally used in conjunction with Fig. 35 weldless eye nut or Fig. 55 welded eye rod to allow flexibility at the rod attachment. The clamp can be used with up to 4 inches of insulation and temperatures up to 750° F.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 3) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 3).

MATERIAL: Low carbon steel

FINISH: Plain or Electro-galvanized

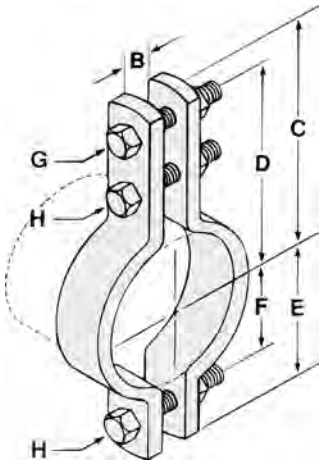
ORDERING: Specify pipe size, finish and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	B	C	D	E	F	Bolt Size		Max. Rec. Load/lbs.		Wt. Each (in lbs.)
						G	H	650° F	750° F	
3/4	5/8	3 7/16	2 13/16	2	1 3/8	3/8	3/8	950	850	.83
1	5/8	3 1/2	2 7/8	2	1 3/8	3/8	3/8	950	850	1.02
1 1/4	5/8	3 9/16	2 15/16	2 1/16	1 7/16	3/8	3/8	950	850	1.07
1 1/2	1	5 1/4	4 5/8	2 5/8	2	5/8	1/2	1545	1380	2.30
2	1	5 3/8	4 3/4	2 3/4	2 1/8	5/8	1/2	1545	1380	2.60
2 1/2	1	5 11/16	5 1/16	3 1/16	2 7/16	5/8	1/2	1545	1380	2.71
3	1	6	5 3/8	3 3/8	2 3/4	5/8	1/2	1545	1380	3.03
3 1/2	1	6 5/16	5 11/16	3 11/16	3 1/16	5/8	1/2	1545	1380	3.28
4	1	8 1/16	7 1/16	5 1/16	4 1/16	3/4	5/8	2500	2230	6.67
5	1	8 5/8	7 5/8	5 5/8	4 5/8	3/4	5/8	2500	2230	7.05
6	1 1/2	9 7/8	8 5/8	6 3/8	5 1/8	7/8	3/4	2865	2555	11.45
8	1 1/2	11 1/8	9 7/8	7 5/8	6 3/8	7/8	3/4	2865	2555	13.15
10	1 1/2	12 3/8	11 1/8	8 7/8	7 5/8	1	7/8	3240	2890	19.80
12	1 1/2	13 3/4	12 1/2	10 1/4	9	1	7/8	3240	2890	22.25
14	1 1/2	15 1/16	13 9/16	11 7/16	9 15/16	1 1/4	7/8	4300	3835	37.68
16	1 1/2	15 13/16	14 5/16	12 3/16	10 11/16	1 1/4	7/8	4300	3835	41.40
18	1 1/2	16 11/16	15 7/16	13 5/16	11 13/16	1 1/4	1	4300	3835	44.87
20	2	18	16 1/2	14 1/2	13	1 3/8	1 1/8	5490	4900	57.25
24	2	20 1/4	18 3/4	16 3/4	15 1/4	1 3/8	1 1/4	4500	4015	65.90

Note: *Larger sizes available upon request.*

Fig. 526
HEAVY DUTY DOUBLE BOLT PIPE CLAMP



FUNCTION: Designed for the suspension of high temperature pipe lines. The increased material and bolt sizes allow Fig. 526 to be used in applications where heavier loads will be encountered. Normally used in conjunction with Fig. 35 weldless eye nut or Fig. 55 welded eye rod to allow flexibility at the rod attachment. The clamp can be used with up to 4 inches of insulation and temperatures up to 750° F.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 3) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 3).

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

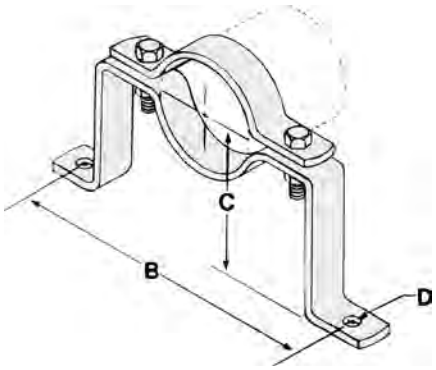
Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	B	C	D	E	F	Bolt Size		Max. Rec. Load/lbs.		Wt. Each (in lbs.)
						G	H	650° F	750° F	
6	1 3/4	11 1/8	8 7/8	6 1/16	4 3/16	1	7/8	3500	3125	14.14
8	2	11 3/16	9 15/16	7 7/16	6 3/16	1 1/8	1	4800	4285	20.99
10	2 1/4	12 15/16	11 3/16	9 3/16	7 7/16	1 1/4	1 1/8	5500	4910	33.71
12	2 1/2	14	12 1/4	10 11/16	8 15/16	1 1/2	1 1/4	7000	6250	48.17
14	2 1/2	15 1/8	13 1/16	12	10	1 1/2	1 1/4	9500	8485	70.50
16	3	16 13/16	14 9/16	13 7/16	11 3/16	1 3/4	1 1/2	10000	8930	93.90
18	3 1/2	18 13/16	16 5/16	15 5/16	12 13/16	2	1 3/4	13800	12325	123.72
20	3 1/2	19 15/16	17 7/16	16 7/16	13 15/16	2	1 3/4	15300	13665	156.43
24	3 1/2	22 1/2	19 1/2	19	16	2	1 3/4	16300	14555	204.65

Note: *Larger sizes available upon request.*

Pipe Clamps

Fig. 535 OFFSET PIPE CLAMP



Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

FUNCTION: Designed to be used in the clamping of pipe lines at a fixed distance away from the floor or wall.

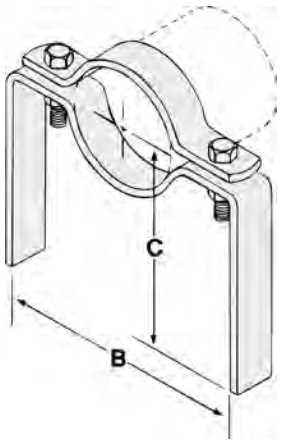
MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	Bolt Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/4	5 7/8	2 1/2	7/16	3/8	190	.87
1	6	2 5/8	7/16	3/8	190	.92
1 1/4	6 1/2	2 3/4	7/16	3/8	190	1.15
1 1/2	6 9/16	3	7/16	3/8	190	1.24
2	7 11/16	3 3/16	7/16	3/8	420	1.56
2 1/2	8 3/8	3 7/16	7/16	3/8	420	1.78
3	8 13/16	3 1/2	7/16	3/8	420	1.98
3 1/2	9 3/4	4	7/16	3/8	420	2.45
4	11	4 1/4	9/16	1/2	610	3.00
5	12 1/8	4 3/4	9/16	1/2	610	3.50
6	14 3/8	5 5/16	9/16	1/2	870	6.50
8	16 1/2	6 5/16	9/16	1/2	870	7.90
10	19 1/8	7 3/4	11/16	5/8	870	12.70
12	25 1/2	8 7/8	11/16	5/8	870	21.20

Fig. 545 EXTENDED PIPE CLAMP



Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

FUNCTION: Designed to be used in the suspension or support of pipe lines where exact distance between the structure and the pipe is unknown until time of installation.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	Bolt Size	Wt. Each (in lbs.)
3/4	4 3/16	12	3/8	1.82
1	4 5/16	12	3/8	2.25
1 1/4	4 13/16	12	3/8	2.39
1 1/2	4 15/16	12	3/8	2.44
2	5 15/16	12	3/8	3.19
2 1/2	6 9/16	12	3/8	3.34
3	7 1/16	12	3/8	3.54
4	8 15/16	12	1/2	4.75
5	10 1/8	12	1/2	5.38
6	12 1/16	12	1/2	8.38
8	14 1/8	12	1/2	9.25

Riser Clamps

FUNCTION: Designed for supporting and stabilizing vertical pipe runs. The PVC coating on Fig. 553 protects the pipe from the metal surface of the clamp. This product is not intended for use with hanger rods. Clamp is designed for standard iron pipe O.D. and must be considered when sizing other types of piping.

APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for sizes 3/4" to 8" only. Complies with Federal Specifications A-A-1192A (Type 8) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 8).

MATERIAL: Low carbon steel

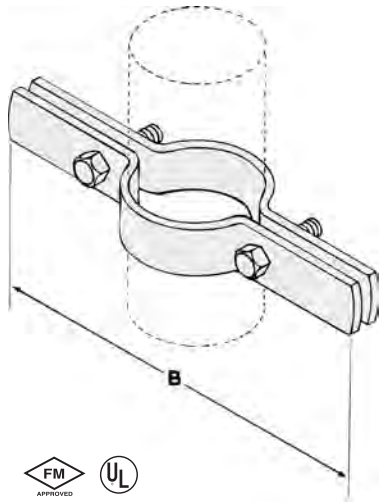
ORDERING: Specify pipe size and figure number.

Fig. 550, 551 & 553 RISER CLAMP

Fig. 550* PLAIN
Fig. 551 ELECTRO-GALVANIZED
Fig. 553 PLAIN WITH PVC COATING

*Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	B	Bolt Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	9	3/8 X 1 1/4	220	1.05
3/4	8 7/8	3/8 X 1 1/4	220	1.05
1	8 3/4	3/8 X 1 1/4	220	1.05
1 1/4	9 1/4	3/8 X 1 1/4	250	1.10
1 1/2	10	3/8 X 1 1/4	250	1.17
2	10 1/4	3/8 X 1 1/4	300	1.20
2 1/2	11 1/8	3/8 X 1 1/2	400	1.89
3	11 3/4	3/8 X 1 1/2	500	1.99
3 1/2	12 1/2	3/8 X 1 1/2	600	2.17
4	13	1/2 X 1 3/4	750	2.21
5	14 1/4	1/2 X 1 3/4	1500	3.24
6	15 3/8	1/2 X 1 3/4	1600	3.89
8	18 1/2	5/8 X 2	2500	7.60
10	20 1/2	5/8 X 2	2500	11.10
12	22 1/2	5/8 X 2 1/2	2700	16.50
14	25 1/8	5/8 X 3	2700	17.70
16	26 1/4	3/4 X 3 1/2	2900	30.40
18	27 7/8	3/4 X 3 1/2	2900	33.30
20	30	3/4 X 3 1/2	2900	36.30
24	35	7/8 X 3 1/2	2900	48.68
30	42 3/8	7/8 X 3 1/2	2900	60.16



Installation practice for Model 550 Riser Clamps

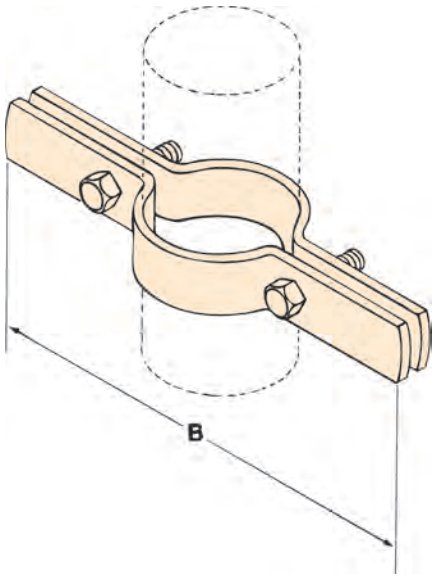
When possible the clamp should be placed under a coupling, hub or welded lugs on steel pipe. Bolt torques should be per industry standards.

Recommended Torque For Pipe Clamp Hardware					
1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10 & Larger
6 ft/lbs	11 ft/lbs	19 ft/lbs	50 ft/lbs	65 ft/lbs	75 ft/lbs

Fig. 552 & 554
COPPER TUBING RISER CLAMP

Fig. 552* COPPER COLOR EPOXY FINISH
Fig. 554 COPPER COLOR EPOXY FINISH WITH PVC COATING

*Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



FUNCTION: Designed for supporting and stabilizing vertical tubing runs. The PVC coating on Fig. 554 protects the tube from the metal surface of the clamp.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 8) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 8).

MATERIAL: Low carbon steel

ORDERING: Specify tube size and figure number.

Tube Size	B	Bolt Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	6 11/16	1/4	75	.50
3/4	7	1/4	75	.52
1	8 3/4	1/4	120	.64
1 1/4	9	1/4	150	.65
1 1/2	9 3/8	1/4	150	.70
2	9 15/16	3/8	150	.98
2 1/2	10 1/2	3/8	300	1.09
3	11	3/8	300	1.17
3 1/2	12 3/16	3/8	300	1.53
4	12 5/8	3/8	300	1.67
5	14 1/8	1/2	500	2.42
6	15	1/2	500	2.68

Recommended Torque For Pipe Clamp Hardware					
1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10 & Larger
6 ft/lbs	11 ft/lbs	19 ft/lbs	50 ft/lbs	65 ft/lbs	75 ft/lbs

Underground Pipe Clamps

Fig. 580
TWO BOLT UNDERGROUND PIPE CLAMP

FUNCTION: Designed for clamping the caulked joints of underground A.W.W.A. ductile iron water pipes to prevent separation of joints.

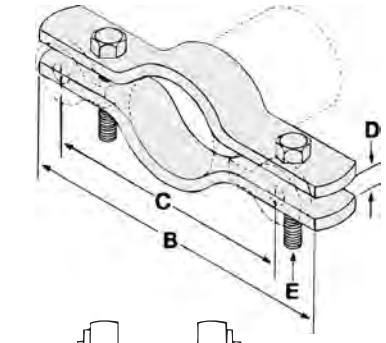
MATERIAL: Low carbon steel

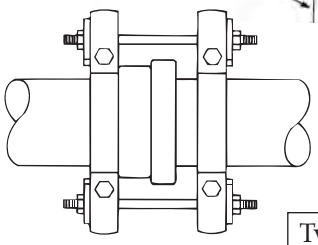
FINISH: Plain

ORDERING: Specify pipe size and figure number. Order Fig. 585 washer separately.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	Max. Pipe O.D.	B	C	D	Bolt Size E	Recom. Tie Rod Size	Wt. Each (in lbs.)
3	3.96	11 3/4	9	1 1/4	5/8 X 3	3/4	6.18
4	4.80	13	10 1/4	1 1/4	5/8 X 3	3/4	8.80
6	6.90	14 7/8	12	1 1/4	5/8 X 3	3/4	10.50
8	9.05	17 1/4	14 1/2	1 1/4	5/8 X 3	3/4	12.34
10	11.10	19 1/2	16 3/4	1 1/4	5/8 X 3	3/4	14.80
12	13.20	21 3/4	19	1 1/4	5/8 X 3 1/2	3/4	16.03
14	15.30	27 7/8	23 3/8	1 3/8	7/8 X 4	1	44.37
16	17.40	29 1/8	25 1/2	1 1/2	1 X 4 1/2	1 1/8	64.74
18	19.50	32 1/4	28	1 1/2	1 1/4 X 4 1/2	1 1/4	73.69
20	21.60	33 1/4	29 3/4	1 5/8	1 1/4 X 4 1/2	1 3/8	86.00
24	25.80	37 3/4	34	1 3/4	1 1/2 X 5	1 1/2	113.00
30	32.00	45 1/8	41 3/8	2	1 1/2 X 5 1/2	1 3/4	136.78
36	38.30	50 3/4	46 1/2	2 1/2	1 1/2 X 5	1 3/4	155.50





Typical Installation

Note: *Clamps must be connected by means of threaded tie rods and the nuts drawn tight on the washers to assure a tight joint.*

Fig. 585
WASHER
For Fig. 580

FUNCTION: Designed to secure tie rods when used in conjunction with Fig. 580 two bolt underground pipe clamp.

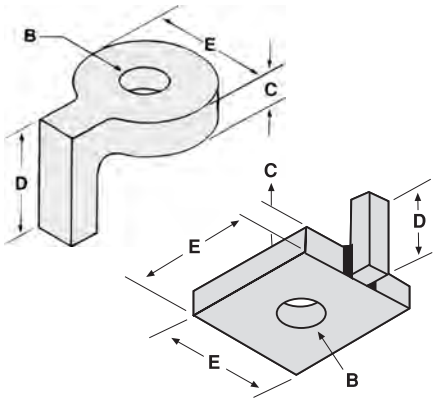
MATERIAL: Low carbon steel. Cast Iron (3/4" Tie Rod Only)

FINISH: Plain

ORDERING: Specify tie rod size and figure number.

Available in stainless steel except for 3/4" tie rod.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

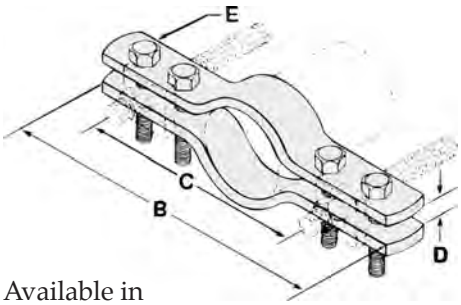
Tie Rod Size	Dia. B	C	D	E	For Pipe Sizes	Wt. Each (in lbs.)
3/4	7/8	5/8	1 3/4	2 5/16	3 - 12	.80
1	1 1/8	5/8	1 7/8	3 3/16	14	1.45
1 1/8	1 1/4	5/8	3	4	16	2.31
1 1/4	1 3/8	5/8	3	4	18	2.26
1 3/8	1 1/2	3/4	3	4	20	2.87
1 1/2	1 5/8	3/4	3	4	24	2.71
1 3/4	1 7/8	1	3	4	30 - 36	4.17



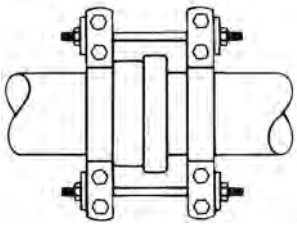
Note: *Tie rod size 3/4" made of cast iron material.*

Underground Pipe Clamps

Fig. 590
FOUR BOLT UNDERGROUND PIPE CLAMP



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



Typical Installation

FUNCTION: Designed for clamping the caulked joints of underground A.W.W.A. ductile iron water pipe lines to prevent separation of joints.

APPROVALS: Complies with National Fire Protection Association Standard 24 for 4" thru 12" pipe

MATERIAL: Low carbon steel

FINISH: Plain

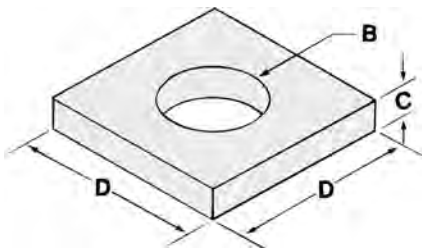
ORDERING: Specify pipe size and figure number. Order Fig. 595 washer separately.

Pipe Size	Max. Pipe O.D.	B	C	D	Bolt Size E	Recom. Tie Rod Size	Max. Test Pressure P.S.I.	Force On Clamp (in lbs.)	Wt. Each (in lbs.)
3	3.96	13 3/8	9 3/8	1 1/4	5/8 X 3	3/4	250	4550	8.60
4	4.80	14 1/2	10 1/8	1 1/4	5/8 X 3	3/4	250	4550	9.38
6	6.90	17	12 5/8	1 1/4	5/8 X 3	3/4	250	9340	11.50
8	9.05	19 3/8	15 3/8	1 1/4	5/8 X 3 1/2	3/4	250	16080	20.54
10	11.10	22	17 1/8	1 1/4	3/4 X 3 1/2	3/4	250	24180	23.15
12	13.20	25 5/8	20 1/2	1 1/4	7/8 X 3 1/2	1	250	34230	35.85
14	15.30	27 3/4	23 1/8	1 3/4	7/8 X 4	1	120	22200	46.78
16	17.40	31 7/8	25 7/8	1 3/4	1 X 4	1 1/8	115	27760	70.53
18	19.50	35 5/8	29	1 3/4	1 1/4 X 4 1/2	1 1/4	100	23900	84.65
20	21.60	38 1/8	31 1/8	1 3/4	1 1/4 X 4 1/2	1 3/8	75	27500	98.65
24	25.80	44 1/2	36 1/2	1 3/4	1 1/2 X 5	1 1/2	50	26200	135.50

Note: *Clamps must be connected by means of threaded tie rods and the nuts drawn tight on the washers to assure a tight joint.*

Fig. 595
WASHER
For Fig. 590

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



FUNCTION: Designed to secure tie rods when used in conjunction with Fig. 590 four bolt underground pipe clamp.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify tie rod size and figure number.

Tie Rod Size	Dia. B	C	D	For Pipe Sizes	Wt. Each (in lbs.)
3/4	7/8	1/2	3	3 - 10	1.19
1	1 1/8	1/2	3 1/2	12 - 14	1.49
1 1/8	1 1/4	5/8	3 1/2	16	1.57
1 1/4	1 3/8	3/4	3 1/2	18	2.15
1 3/8	1 1/2	3/4	3 1/2	20	1.92
1 1/2	1 5/8	3/4	3 1/2	24	1.85

Center Load Beam Clamps

Fig. 610 STANDARD DUTY CENTER LOAD BEAM CLAMP

FUNCTION: Designed to be used in the suspension of a hanger rod from the center of an I-beam. The clamp's design allows the load to be distributed equally on either side of the beam. Normally used in conjunction with Fig. 50 eye rod, Fig. 55 welded eye rod or Fig. 35 weldless eye nut.

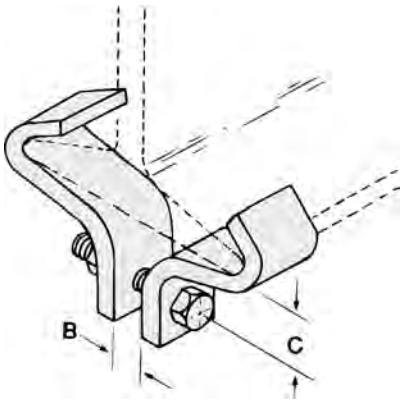
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 21) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 21).

ORDERING: Specify type number, width of flange and figure number.

Type No.	B	C	Bolt Size	Max. Rec. Load/lbs.
1	1/2	1 1/2	3/8	1000
2	1/2	1 1/2	1/2	1250
3	5/8	1 1/2	1/2	1500

Flange Width	Max. Flange Thickness	Wt. Each (in lbs.)		
		Type 1	Type 2	Type 3
3	7/16	.85	–	–
4	1/2	.88	1.10	1.63
5	5/8	1.10	1.28	2.06
6	3/4	1.13	1.44	2.21
7	7/8	1.23	1.57	2.47
8	7/8	1.25	1.66	2.53
9	1	1.43	1.77	2.69
10	1	1.52	1.86	2.81
11	1	1.63	1.98	3.06
12	1 1/4	1.71	2.10	3.18

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



MATERIAL: Low carbon steel

FINISH: Plain

Fig. 620 HEAVY DUTY CENTER LOAD BEAM CLAMP

FUNCTION: Designed to be used in the suspension of a hanger rod from the center of an I-beam. The clamp's design allows the load to be distributed equally on either side of the beam. Normally used in conjunction with Fig. 55 welded eye rod or Fig. 35 weldless eye nut.

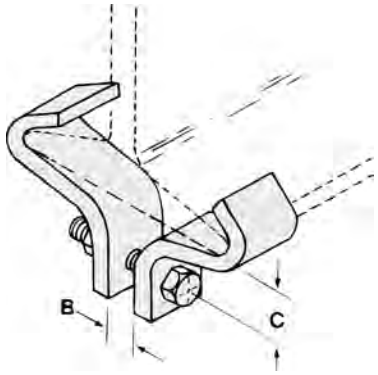
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 21) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 21).

ORDERING: Specify type number, width of flange and figure number.

Type No.	B	C	Bolt Size	Max. Rec. Load/lbs.
4	3/4	2 1/4	5/8	3000
5	3/4	2 1/4	5/8	3250
6	3/4	2 1/4	3/4	3500

Flange Width	Max. Flange Thickness	Wt. Each (in lbs.)		
		Type 4	Type 5	Type 6
4	1/2	3.92	4.82	–
5	5/8	4.28	5.23	6.61
6	3/4	4.45	5.52	7.27
7	7/8	4.76	5.91	7.63
8	7/8	5.25	6.12	8.57
9	1	5.73	6.57	9.21
10	1	5.94	6.98	9.81
11	1	6.53	7.95	10.52
12	1 1/4	6.97	8.50	11.13

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

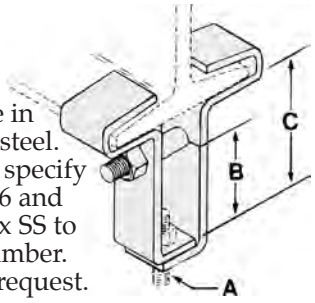


MATERIAL: Low carbon steel

FINISH: Plain

Center Load Beam Clamps

Fig. 625 STEEL CENTER LOAD BEAM CLAMP



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

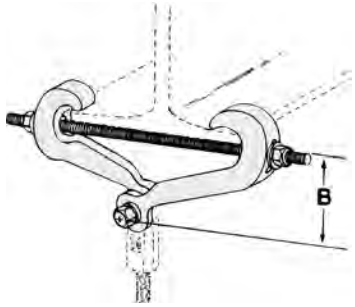
MATERIAL: Low carbon steel
FINISH: Plain

FUNCTION: Designed to be used in the suspension of a hanger rod from the center of an I-beam. The clamp provides a vertical adjustment of approximately 2".

ORDERING: Specify rod size, flange width and figure number.
NOTE: Box style furnished on some sizes.

Rod Size A	B	C	Max. Rec. Load/lbs.	Wt. Each (in lbs.) Flange Width (inches) 4	5	6	7	8	10	12
3/8	3	4	550	1.68	1.81	1.93	2.05	2.14	2.35	2.59
1/2	3	4	850	2.01	2.17	2.31	2.46	2.56	2.82	3.11
5/8	3 1/4	4 1/2	1100	3.28	3.52	3.73	3.95	4.11	4.49	4.93
3/4	3 1/4	4 1/2	1500	4.34	4.66	4.95	5.25	5.46	5.96	6.55
7/8	3 1/2	5	2600	6.57	6.67	7.05	7.44	7.73	8.40	9.18
1	3 1/2	5	4300	7.97	8.24	8.77	9.26	9.62	10.46	11.43
1 1/8	3 1/2	5 1/2	6100	14.46	13.69	13.74	15.07	15.60	16.86	18.32
1 1/4	3 1/2	5 1/2	8000	18.76	18.17	18.45	19.82	20.36	22.21	24.18

Fig. 630 MALLEABLE IRON CENTER LOAD BEAM CLAMP



MATERIAL: Malleable iron
FINISH: Plain

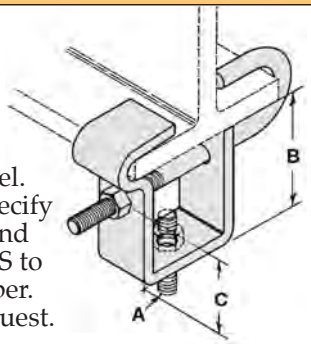
FUNCTION: Designed to be used in the suspension of a hanger rod from the center of an I-beam. The clamp's design allows the load to be distributed equally on either side of the beam. The clamp is adjustable from 2 3/8" to 7" and can be used with flange thicknesses up to .60 inches. Normally used in conjunction with Fig. 25 extension piece. An additional 1" or more of vertical adjustment is obtained when used with Fig 25.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 30) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 30)

ORDERING: Specify figure number. If extension piece is required, order Fig. 25 extension piece separately.

Max. Rod Size	B Rod Take Out (Clamp only) Beam Flange Width (inches) 2 3/8	3	4	5	6	7	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
7/8	3 1/2	3 7/16	3 5/16	2 15/16	2 9/16	1 7/8	1365	2.49

Fig. 635 ADJUSTABLE STEEL BEAM CLAMP



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

MATERIAL: Low carbon steel
FINISH: Plain

FUNCTION: Designed to be used in the suspension of a hanger rod from an I-Beam. The clamp is adjustable from 3½ to 8" and can be used with flange thicknesses up to .75 inches.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 27) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 27).

ORDERING: Specify rod size and figure number.

Rod Size A	Flange Width (inches) Min.	Max.	B	C	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/8	3 1/2	8	2 3/4	1 1/2	300	1.04
1/2	3 1/2	8	2 3/4	1 1/2	700	1.45
5/8	3 1/2	8	2 3/4	1 1/2	1000	1.96
3/4	6	8	4	2	1800	6.50

Pipe Covering Protection Saddles

FUNCTION: Designed to protect insulation on high temperature pipe lines. The saddle is furnished with notches to minimize surface contact with the pipe, thereby keeping heat loss to a minimum.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 39) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 39).

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size, insulation size and figure number.

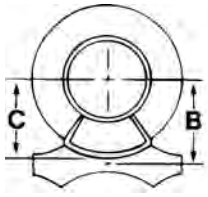
Fig. 651
PIPE SADDLE FOR 1" INSULATION

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
3/4	2	2 1/2	2 - 3 1/2	2 1/16	2 1/8	1 5/8	2 1/4	7/8	1200	1.41
1	2 1/2	3	2 - 3 1/2	2 5/16	2 1/4	1 13/16	2 7/16	1 1/16	1200	1.41
1 1/4	2 1/2	3	2 - 3 1/2	2 1/2	2 7/16	1 15/16	2 9/16	7/8	1200	1.41
1 1/2	3	3 1/2	2 - 3 1/2	2 5/8	2 5/8	2 1/8	2 11/16	1	1200	1.43
2	3 1/2	4	2 - 3 1/2	3	2 15/16	2 3/8	3 1/16	1 1/16	1200	1.52
2 1/2	3 1/2	5	2 - 3 1/2	3 1/4	3 1/4	2 11/16	3 5/16	1 1/16	1200	1.52
3	4	5	2 - 3 1/2	3 1/2	3 1/2	2 15/16	3 9/16	1	1200	1.63
3 1/2	5	6	4 - 6	4	4	3 5/16	3 15/16	1 1/4	1200	1.98
4	5	6	4 - 6	4 1/4	4 1/4	3 9/16	4 3/16	1 1/16	1800	1.98
5	6	8	4 - 6	4 13/16	4 13/16	4 1/8	4 3/4	1	1800	1.98
6	8	8	4 - 6	5 3/8	5 3/8	4 1/2	5 1/4	1	1800	3.91
8	10	12	8 - 10	7 1/16	7 1/16	6	7 1/16	1 1/2	1800	4.75
10	12	14	8 - 10	8 5/16	8 1/2	7 1/4	8 5/16	1 9/16	1800	4.75
12	14	16	12 - 14	8 15/16	8 7/8	7 5/8	8 13/16	1 1/16	5000	6.88

FOR PIPE SIZES LESS THAN 12"

FOR 12" PIPE SIZES AND UP



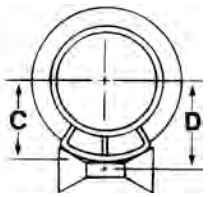
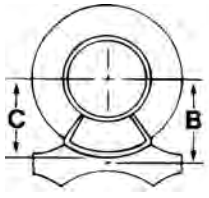


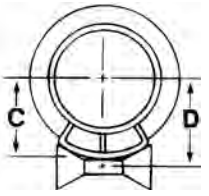
Fig. 653
PIPE SADDLE FOR 1½" INSULATION

Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
3/4	3	3 1/2	2 - 3 1/2	2 3/4	2 3/4	2 3/16	2 7/8	1 7/16	1200	1.85
1	3	4	2 - 3 1/2	2 7/8	2 7/8	2 5/16	3	1 9/16	1200	1.85
1 1/4	3 1/2	5	2 - 3 1/2	3 1/16	3 1/16	2 9/16	3 3/16	1 5/8	1200	1.85
1 1/2	3 1/2	5	2 - 3 1/2	3 1/4	3 1/4	2 5/8	3 5/16	1 1/2	1200	1.85
2	4	5	2 - 3 1/2	3 1/2	3 1/2	2 7/8	3 9/16	1 9/16	1200	1.98
2 1/2	5	6	4 - 6	4	4	3 5/16	3 15/16	1 7/8	1200	2.25
3	5	6	4 - 6	4 5/16	4 5/16	3 5/8	4 1/4	1 9/16	1800	2.25
3 1/2	6	8	4 - 6	4 9/16	4 9/16	3 11/16	4 1/2	1 13/16	1800	2.50
4	6	8	4 - 6	4 7/8	4 7/8	4 1/16	4 3/4	1 9/16	1800	2.50
5	8	8	4 - 6	5 1/2	5 1/2	4 11/16	5 3/8	1 1/2	1800	2.50
6	8	10	8 - 10	5 7/8	5 11/16	5 1/16	6	1 1/2	1800	4.25
8	10	12	8 - 10	7 1/16	7 1/16	6	7 1/16	1 1/2	1800	5.50
10	12	14	8 - 10	8 5/16	8 1/2	7 1/4	8 5/16	1 9/16	1800	5.50
12	14	16	12 - 14	9 1/2	9 1/2	8 1/16	9 1/4	1 9/16	5000	8.33
14	16	18	12 - 14	10 3/16	10 1/8	8 3/4	10 1/16	1 1/2	5000	8.33
16	18	20	16 - 20	11 1/4	11 1/4	9 13/16	11 1/8	1 1/2	5000	9.01
18	20	24	16 - 20	12 5/16	—	10 13/16	12 3/16	1 1/2	5000	9.68
20	24	24	24	13 9/16	—	11 5/8	13 1/16	1 1/2	7200	11.00
24	30	—	30	16 5/16	—	13 1/2	15 1/4	1 1/2	7200	13.00

FOR PIPE SIZES LESS THAN 12"

FOR 12" PIPE SIZES AND UP



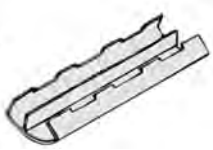


Pipe Covering Protection Saddles

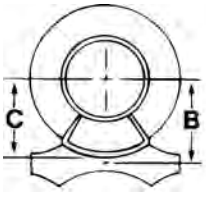
Fig. 654
PIPE SADDLE FOR 2" INSULATION

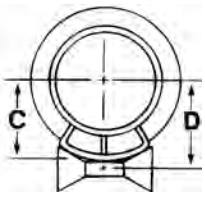
Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

FOR PIPE SIZES LESS THAN 12"



FOR PIPE SIZES 12" AND UP





FUNCTION: Designed to protect insulation on high temperature pipe lines. The saddle is furnished with notches to minimize surface contact with the pipe, thereby keeping heat loss to a minimum.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 39) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 39).

MATERIAL: Low carbon steel

FINISH: Plain

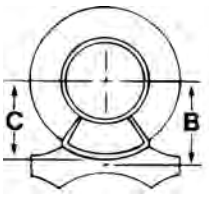
ORDERING: Specify pipe size, insulation size and figure number.

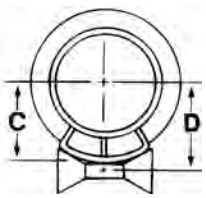
Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
3/4	4	5	2 - 3 1/2	3 5/16	3 5/16	2 11/16	3 3/8	1 7/8	1200	2.58
1	4	5	2 - 3 1/2	3 1/2	3 1/2	2 7/8	3 1/2	2 1/8	1200	2.58
1 1/4	4	5	2 - 3 1/2	3 5/8	3 5/8	3	3 11/16	1 15/16	1200	2.58
1 1/2	5	6	4 - 6	4	4	3 5/16	3 7/8	2 5/16	1800	2.85
2	5	6	4 - 6	4 1/4	4 1/4	3 9/16	4 3/16	2 1/8	1800	2.85
2 1/2	6	8	4 - 6	4 1/2	4 5/8	3 7/8	4 1/2	2 5/16	1800	2.85
3	6	8	4 - 6	4 13/16	4 13/16	4 1/8	4 11/16	2 1/16	1800	3.30
3 1/2	8	8	4 - 6	5 1/8	5 1/8	4 5/16	5	2 1/4	1800	3.30
4	8	8	4 - 6	5 3/8	5 3/8	4 9/16	5 1/4	2 1/16	1800	3.30
5	8	10	8 - 10	6	6 1/16	5 3/16	6 1/8	2	1800	3.30
6	10	10	8 - 10	6 7/16	6 7/16	5 1/2	6 1/2	2	1800	5.25
8	10	12	8 - 10	7 9/16	7 9/16	6 1/2	7 9/16	2	1800	6.10
10	14	16	12 - 14	9 1/16	9	7 5/8	8 13/16	2 1/16	1800	7.05
12	16	18	16 - 20	10 3/16	10 1/16	8 5/8	10	2 1/2	5000	9.33
14	16	18	16 - 20	10 7/8	13 13/16	9 5/16	10 11/16	2	5000	9.33
16	18	20	16 - 20	11 3/16	11 3/4	10 3/16	11 9/16	2	5000	10.68
18	20	24	24	12 7/8	—	11 5/16	12 11/16	2	7200	10.68
20	24	24	24	13 9/16	—	12 1/4	13 5/8	2	7200	11.96
24	30	—	30	16 5/16	—	14	15 3/4	2	7200	13.95

Fig. 655
PIPE SADDLE FOR 2½" INSULATION

FOR PIPE SIZES LESS THAN 12"

FOR PIPE SIZES 12" AND UP





Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
1 1/4	5	6	4 - 6	4 3/8	4 3/8	3 3/4	4 3/8	2 7/16	1200	3.25
1 1/2	6	8	4 - 6	4 1/2	4 5/8	3 7/8	4 1/2	2 13/16	1800	3.25
2	6	8	4 - 6	4 3/4	4 13/16	4 1/16	4 3/4	2 5/8	1800	3.25
2 1/2	8	8	4 - 6	5 1/8	5 1/8	4 1/4	5	2 7/8	1800	3.61
3	8	8	4 - 6	5 7/16	5 7/16	4 11/16	5 5/16	2 9/16	1800	3.61
3 1/2	8	10	8 - 10	5 5/8	5 5/8	4 11/16	5 11/16	2 3/4	1800	3.70
4	8	10	8 - 10	5 15/16	5 15/16	5	6	2 9/16	1800	3.70
5	10	10	8 - 10	6 9/16	6 9/16	5 5/8	6 5/8	2 9/16	1800	3.70
6	10	12	8 - 10	7 1/8	7 3/16	6 3/16	7 1/4	2 1/2	1800	6.10
8	12	14	8 - 10	8 5/16	8 1/2	7 1/4	8 5/16	2 11/16	1800	6.80
10	14	16	12 - 14	9 9/16	9 9/16	8 1/8	9 5/16	2 9/16	1800	7.10
12	16	18	16 - 20	10 11/16	10 9/16	9 1/8	10 1/2	2 5/8	5000	10.93
14	18	20	16 - 20	11 5/16	11 3/8	9 7/8	11 3/16	2 1/2	5000	10.93
16	20	24	16 - 20	12 5/16	—	10 13/16	12 3/16	2 1/2	7200	11.64
18	24	24	24	13 9/16	—	11 5/8	13 1/16	2 1/2	7200	12.92
20	24	—	24	14 11/16	—	12 3/4	14 3/16	2 1/2	7200	12.92
24	30	—	30	17 1/2	—	14 5/8	16 7/16	2 1/2	7200	14.91

Pipe Covering Protection Saddles

FUNCTION: Designed to protect insulation on high temperature pipe lines. The saddle is furnished with notches to minimize surface contact with the pipe, thereby keeping heat loss to a minimum.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 39) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 39).

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size, insulation size and figure number.

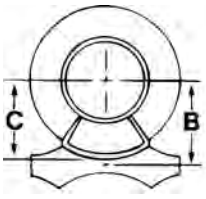
Fig. 656
PIPE SADDLE FOR 3" INSULATION

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
2	8	8	4 - 6	5 3/8	5 3/8	4 9/16	5 1/4	3 1/8	1800	4.10
2 1/2	8	10	4 - 6	5 5/8	5 3/4	4 7/8	5 1/2	3 3/8	1800	4.10
3	8	10	8 - 10	6	6	5 1/16	6 1/16	3 1/16	1800	4.32
3 1/2	10	10	8 - 10	6 5/16	6 5/16	5 3/8	6 3/8	3 5/16	1800	4.32
4	10	10	8 - 10	6 9/16	6 9/16	5 5/8	6 5/8	3 1/16	1800	4.32
5	10	12	8 - 10	7 1/8	7 1/4	6 3/16	7 1/4	3 1/16	1800	4.32
6	12	12	8 - 10	7 5/8	7 5/8	6 9/16	7 5/8	3	1800	8.10
8	14	16	12 - 14	9	9	7 11/16	8 3/4	3 1/8	1800	8.10
10	16	18	16 - 20	10 1/8	10 1/16	8 11/16	10	3 1/16	1800	8.40
12	18	20	16 - 20	11 1/8	11 1/4	9 5/8	11	3 1/16	5000	11.88
14	18	20	16 - 20	11 3/4	11 3/4	10 5/16	11 5/8	3	5000	11.88
16	20	24	24	12 7/8	—	11 1/16	12 7/16	3	7200	13.87
18	24	24	24	14 3/16	—	12 1/4	13 5/8	3	7200	13.87
20	24	—	24	15 1/4	—	13 5/16	14 3/4	3	7200	14.51
24	30	—	30	18 1/16	—	15 1/4	17	3	7200	15.86

FOR PIPE SIZES LESS THAN 12"

FOR PIPE SIZES 12" AND UP



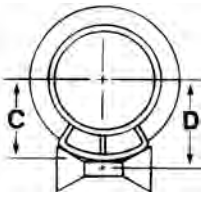
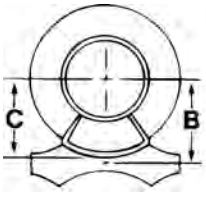


Fig. 658
PIPE SADDLE FOR 4" INSULATION

Pipe Size	Pipe Roller Size Use With Fig. No. 460, 480 483, 490	470 475	486 487	Fig. 460 480 483 490 B	Fig. 470 475 B	C	Fig. 486 487 D	Actual Thickness of Covering	Max. Rec. Load (in lbs.)	Wt. Each (in lbs.)
4	10	12	8 - 10	7 5/8	7 5/8	6 1/2	7 9/16	4 1/16	1800	5.90
5	12	14	8 - 10	8 3/16	8 3/8	7 1/8	8 3/16	4 3/16	1800	5.90
6	14	16	12 - 14	9	9	7 9/16	8 3/4	4 1/8	1800	10.68
8	16	18	12 - 14	10 1/8	10 1/8	8 11/16	9 7/8	4 3/16	1800	10.68
10	18	20	16 - 20	11 1/4	11 1/4	9 3/4	11 1/8	4 1/16	1800	11.40
12	20	24	16 - 20	12 3/8	—	10 13/16	12 3/16	4 1/8	5000	14.43
14	20	24	24	12 7/8	—	11 5/16	12 5/8	4	5000	14.43
16	24	24	24	14 1/8	—	13 5/8	12 3/16	4	7200	15.79
18	24	—	24	15 1/4	—	13 5/16	14 3/4	4	7200	15.79
20	30	—	30	17	—	14 1/8	15 7/8	4	7200	16.90
24	30	—	30	19 1/4	—	16 7/16	19 1/4	4	7200	17.78

FOR PIPE SIZES LESS THAN 12"

FOR PIPE SIZES 12" AND UP



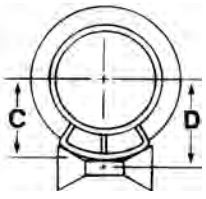


Fig. 670 - 678 PIPE ALIGNMENT GUIDES

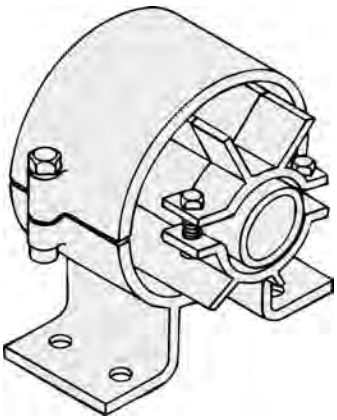
	INSULATION THICKNESS
Fig. 670	NONE
Fig. 671	1"
Fig. 673	1 1/2"
Fig. 674	2"
Fig. 675	2 1/2"
Fig. 676	3"
Fig. 677	3 1/2"
Fig. 678	4"

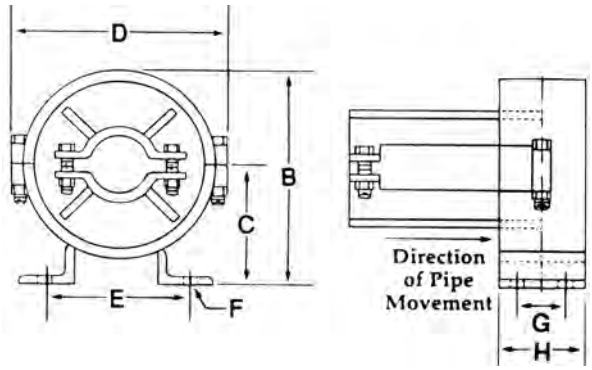
FUNCTION: Designed for use with insulated or non-insulated pipe lines to direct the axial expansion and contraction of the pipe. The use of two or more guides on both sides of the expansion joint is recommended to avoid a pivoting effect. The first pipe guide should be placed a maximum of 4 pipe diameters from an expansion joint. Pipe guides are not designed to support any of the piping system's weight therefore additional supports are required. The maximum operating temperature should not exceed 750°F.

MATERIAL: Carbon Steel

FINISH: Painted

ORDERING: Specify pipe size and figure number.





Body No.	B	C	D	E	F	G	H	Axial Movement	Wt. Each (in lbs.)
4	5 7/8	3 1/2	6 1/8	4 1/8	5/8	1 3/4	3	3	6
5	6 3/4	4	7 1/8	4 3/8	5/8	1 3/4	3	3	8
6	7 5/8	4 3/8	8 1/8	5 1/8	5/8	1 3/4	3	3	10
8	9 1/4	5 1/4	10 1/8	6 1/8	5/8	1 3/4	3	3	13
10	11 5/8	6 1/4	12 1/8	7	5/8	2 3/4	4	4	20
12	13 3/8	7	14 1/8	8 1/4	5/8	2 3/4	4	4	25
14	15 1/8	7 7/8	16 1/8	9 7/8	3/4	4	6	6	40
16	17	8 7/8	18 1/8	10 7/8	3/4	4	6	6	45
18	18 3/4	9 3/4	20 1/8	11 7/8	3/4	4	6	6	55
20	21	10 7/8	22 1/8	11 3/4	3/4	6	8	6	65
22	23 1/8	12 1/8	24 1/8	14 1/2	7/8	6	8	6	95
24	25	13	26 1/8	15 1/2	7/8	6	8	6	115
26	27 3/4	14 3/4	28 1/8	17 1/8	1 1/8	6	8	6	135
30	31 1/2	16 1/2	32 1/8	19 1/4	1 1/8	6	8	6	150

Note: *Refer to pipe guide selection chart on page 69 to determine body number.*

Pipe Guide Charts

PIPE GUIDE SELECTION CHART For Fig. 670 - 678

Pipe Size	Body No. Insulation Thickness None	1	1½	2	2½	3	3½	4
½	4	4	4	5	6	8	8	10
¾	4	4	5	6	8	8	10	10
1	4	4	5	6	8	8	10	10
1¼	4	4	5	6	8	8	10	10
1½	5	5	5	6	8	8	10	10
2	5	5	6	8	8	10	10	12
2½	6	6	6	8	8	10	10	12
3	6	6	8	8	10	10	12	12
4	8	8	8	10	10	12	12	14
5	10	10	10	10	12	12	16	16
6	10	10	10	12	12	14	16	16
8	12	12	12	14	16	16	18	18
10	16	16	16	16	18	18	20	20
12	18	18	18	18	20	20	22	22
14	20	20	20	20	20	22	22	24
16	22	22	22	22	22	24	24	26
18	24	24	24	24	24	26	26	30
20	26	26	26	26	26	30	30	30
24	30	30	30	30	30	—	—	—
Fig. No.	**670**	**671**	**673**	**674**	**675**	**676**	**677**	**678**

Use selection chart to determine body number for dimensional purposes on page 68.

PIPE GUIDE SPACING CHART

Pipe Size	Max. Distance between intermediate guides (in feet) for pressure (psig) 50	100	150	200	250	300	350	400	500	600
3	38	27	22	20	18	17	15	14	13	12
4	52	37	32	27	25	23	22	19	17	16
6	66	47	40	35	31	28	27	25	23	20
8	85	62	51	45	40	36	35	32	29	27
10	103	75	62	54	50	45	42	40	35	32
12	118	85	70	60	55	50	46	43	40	35
14	120	87	72	62	57	52	48	45	41	37
16	130	95	78	68	61	57	52	49	45	41
18	145	105	87	75	68	62	58	55	50	45
20	155	110	92	90	73	68	62	58	53	49
24	180	128	105	90	83	75	70	65	60	54

Note: *The first pipe guide should be placed a maximum of 4 pipe diameters from an expansion joint.*

Pipe Slide Assembly

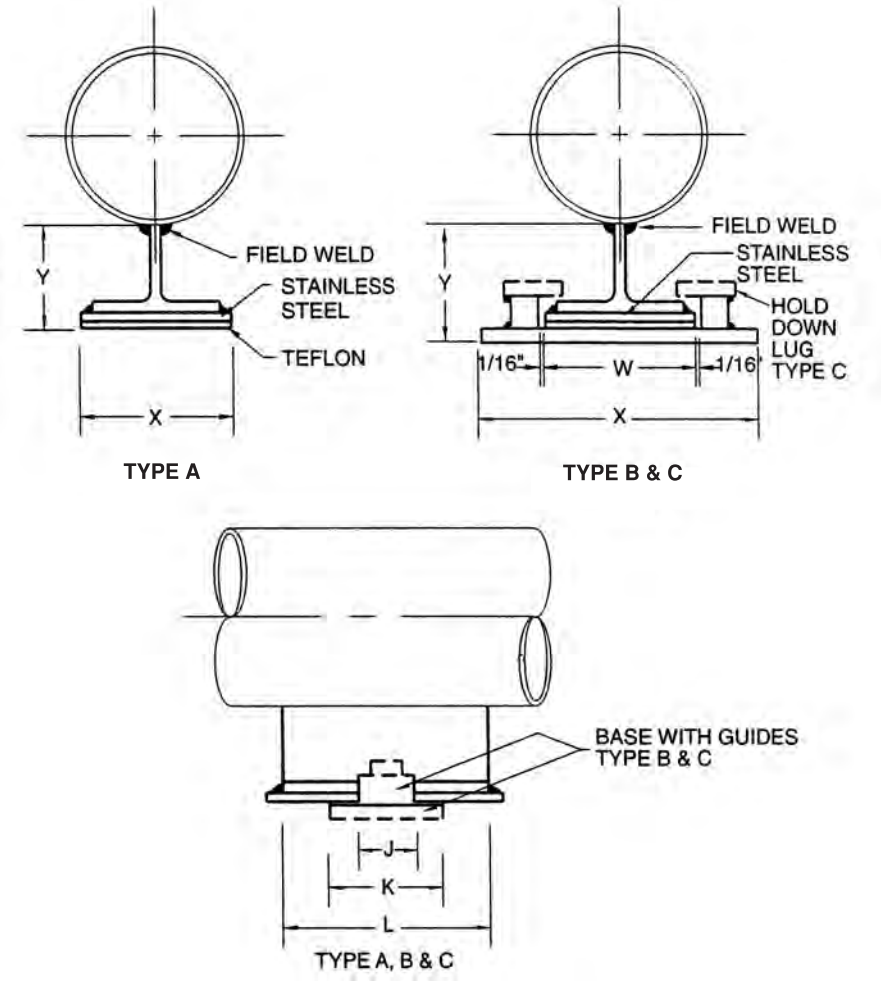
Fig. 690
PIPE SLIDE ASSEMBLY

FUNCTION: Designed to be welded directly to the pipe to allow for support from below and allow for horizontal movement with a low coefficient of friction.

The assembly consists of a carbon steel tee with a polished stainless bottom which rests on a PTFE (glass filled teflon) plate, bonded to a carbon steel plate. The base plate configuration will vary with the Type selected.

Maximum temperature: 200°F at the sliding surface.

Greater height dimensions, longer transverse and longitudinal movements, and other customer requirements can be supplied upon request.



APPROVALS: Complies with Federal Specifications A-A-1192A (Type 35) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 35).

MATERIAL: Carbon Steel, Stainless Steel, PTFE.

FINISH: Plain, Painted, Hot-Dip Galvanized.

ORDERING: Specify pipe size, figure number, travel, and type.

Pipe Size	Max Load*	Travel	Y		L	K	W	X		Weight Each
			Type A	Type B&C	Types A,B,C	Types A,B,C	Types A,B,C	Type A	Type B&C	
Up to 8"	7000	5 10 15 20	3-3/4	4-1/4	8-1/2 13-1/2 18-1/2 23-1/2	4	3-1/2	3-1/2	6	15.5
10" to 24"	13500	5 10 15 20	3-3/4	4-1/4	10-1/2 15-1/2 20-1/2 25-1/2	6	4-1/2	4-1/2	7	20.7

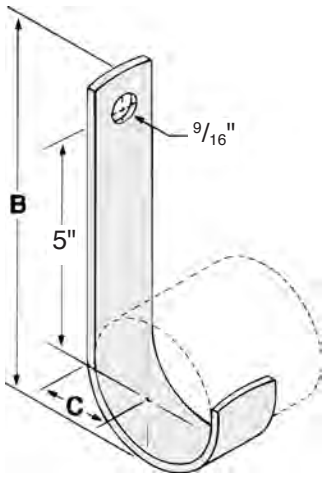
**Based upon 500 psi/35.2 Kg per sq. cm. pressure on the PTFE.*

Dimensions	Temperature	Loads	Weight
Inches	Fahrenheit	Pounds	Pounds

NOTES

Fig. 810
RETURN LINE STRAIGHT J-HOOK

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



FUNCTION: Designed to support pipe running along the wall, in applications where clearance between the pipe and the wall is not desired.

MATERIAL: Low carbon steel

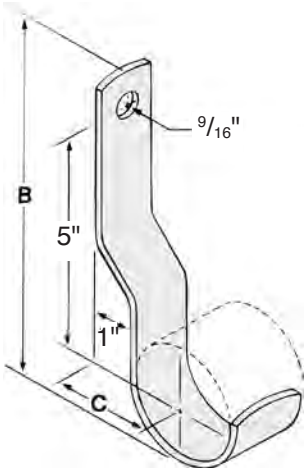
FINISH: Plain

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	6 9/32	5/8	200	.51
3/4	6 1/8	11/16	200	.53
1	6 9/16	7/8	200	.80
1 1/4	6 5/8	1 1/16	200	.83
1 1/2	6 11/16	1 3/16	200	.87
2	7 3/32	1 5/8	200	.93
2 1/2	7 15/32	1 11/16	350	1.16
3	7 5/8	2	350	1.27
3 1/2	8 1/32	2 1/4	350	1.37
4	8 9/16	2 5/8	450	2.19
5	9	3 3/16	450	3.50
6	9 3/8	3 11/16	450	4.15

Fig. 820
RETURN LINE OFFSET J-HOOK

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



FUNCTION: Designed to support pipe running along the wall, in applications where clearance between the pipe and the wall is desired.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	6 9/32	1 5/8	200	.53
3/4	6 1/8	1 11/16	200	.55
1	6 9/16	1 7/8	200	.81
1 1/4	6 5/8	2 1/16	200	.84
1 1/2	6 11/16	2 3/16	200	.89
2	7 3/32	2 5/8	200	.96
2 1/2	7 15/32	2 11/16	350	1.26
3	7 5/8	3	350	1.38
3 1/2	8 1/32	3 1/4	350	1.47
4	8 9/16	3 5/8	450	2.39
5	9	4 3/16	450	3.90
6	9 3/8	4 11/16	450	4.25

Pipe Straps

Fig. 825 TWO HOLE PIPE STRAP

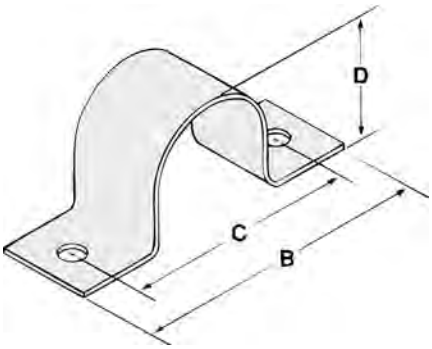
FUNCTION: Designed to hold pipe or conduit flush with mounting surface for light duty applications.

MATERIAL: Low carbon steel

FINISH: Electro-galvanized

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	Wt Each (in lbs.)
1/4	1 5/8	1 1/8	5/8	.01
3/8	2 3/8	1 5/8	11/16	.03
1/2	2 5/8	1 7/8	7/8	.04
3/4	2 3/4	2 1/8	1 1/8	.05
1	3 3/8	2 5/8	1 7/16	.06
1 1/4	4 1/4	3 3/16	1 13/16	.08
1 1/2	4 1/2	3 1/2	1 15/16	.10
2	5 3/8	4 1/8	2 9/16	.13
2 1/2	6	4 1/2	3 1/16	.20
3	7 1/4	5 3/4	3 3/4	.50
4	6 3/4	5 3/4	4 11/16	.51



Note: Also available in copper tubing sizes with copper finish. To order, specify figure 826 and tube size.

Fig. 830 SHORT PIPE STRAP

FUNCTION: Designed to hold pipe flush with mounting surface.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 26) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 26).

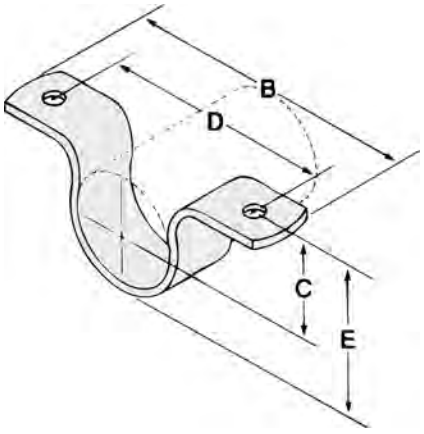
MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	B	C	D	E	Hole Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1/2	3 7/8	5/16	2 7/8	15/16	7/16	300	.25
3/4	4 1/6	7/16	3 1/16	1 1/8	7/16	300	.27
1	4 5/16	9/16	3 5/16	1 3/8	7/16	300	.29
1 1/4	4 11/16	11/16	3 11/16	1 5/8	7/16	300	.33
1 1/2	4 15/16	13/16	3 15/16	2	7/16	300	.35
2	5 1/2	15/16	4 1/2	2 1/4	7/16	300	.41
2 1/2	6	1 3/16	5	2 7/8	7/16	500	.89
3	6 5/8	1 1/2	5 5/8	3 1/2	7/16	500	1.06
3 1/2	7 1/8	1 3/4	6 1/8	4	7/16	500	1.23
4	8 3/8	2	7 1/8	4 1/2	9/16	500	1.58



Pipe Clamps

Fig. 835 ONE HOLE CLAMP

FUNCTION: Designed for the support of standard conduit, cable or wrought iron and steel pipe on walls or sides of beams. Not recommended for use horizontally on ceilings or bottoms of beams since the factor of safety is greatly reduced when so used.

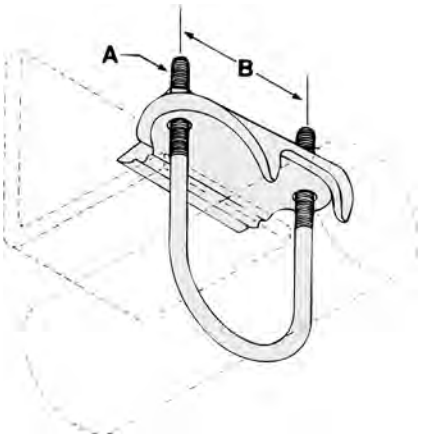
MATERIAL: Malleable iron

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Pipe Size	Cable Size or Outside Dia. of Conduit	Screw Hole Size	Size Expansion Case or Screw Anchor	Wt. Each (in lbs.)
3/8	.67	1/4	3/16 X 1	.03
1/2	.84	5/16	1/4 X 1 1/2	.04
3/4	1.05	5/16	1/4 X 1 1/2	.05
1	1.31	5/16	1/4 X 1 1/2	.09
1 1/4	1.66	3/8	1/4 X 1 1/2	.12
1 1/2	1.90	7/16	3/8 X 2	.16
2	2.37	7/16	3/8 X 2	.25
2 1/2	2.87	11/16	5/8 X 3	.49
3	3.50	11/16	5/8 X 3	.82
4	4.50	3/4	5/8 X 3 1/2	1.32

Fig. 840 RIGHT ANGLE CLAMP



FUNCTION: Designed for anchoring pipe or conduit at a right angle to structural members.

MATERIAL: Malleable iron with low carbon steel U-bolt and nuts

FINISH: Electro-galvanized

ORDERING: Specify pipe size and figure number.

Pipe Size	Rod Size A	B	Wt. Each (in lbs.)
3/8	1/4	1 11/16	.33
1/2	5/16	2	.41
3/4	5/16	2 5/16	.42
1	5/16	2 5/8	.47
1 1/4	5/16	2 7/8	.54
1 1/2	5/16	3 1/4	.57
2	3/8	3 7/8	.85
2 1/2	3/8	4 3/8	1.06
3	3/8	5 1/8	1.10
3 1/2	3/8	5 1/2	1.28
4	3/8	6	1.40

Wall Brackets

Fig. 850
LIGHT DUTY WALL BRACKET

FUNCTION: Designed to suspend hanger rod for support of light loads under 750 lbs. Normally used in conjunction with Fig. 850C wall bracket clip.

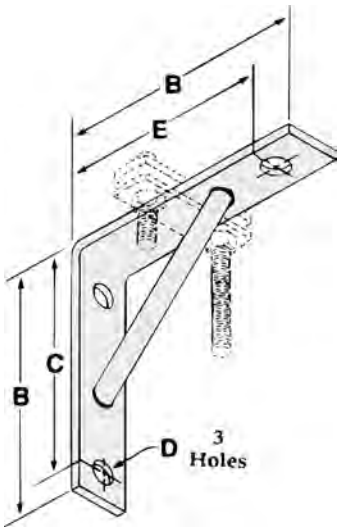
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 31) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 31).

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify type number and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



Type Number	B	C	Hole Size D	E	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	9	6 1/2	13/16	8	750	6.00
2	13	10 1/2	13/16	12	750	8.70
3	19	16 1/2	13/16	18	750	10.60

Fig. 850C
WALL BRACKET CLIP
For Fig. 850

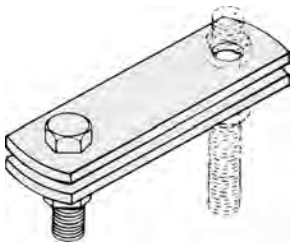
FUNCTION: Designed for use in conjunction with Fig. 850 wall bracket, to allow the rod to be suspended at any point along the length of the bracket.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify rod size and figure number.

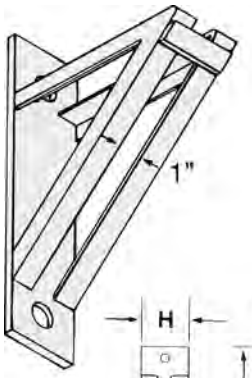
Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



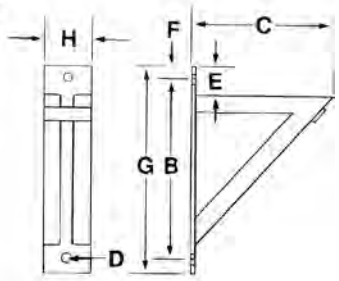
Rod Size	For Pipe Sizes	Wt. Each (in lbs.)
3/8	1/2 to 2	.73
1/2	2 1/2 to 3 1/2	1.44

Wall Brackets

Fig. 855
MEDIUM DUTY WALL BRACKET



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



FUNCTION: Designed for the support or suspension of loads up to 1500 lbs. from walls or structures. The 1" space between the angles allows the rod to be placed anywhere along the length of the brackets.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 32) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 32).

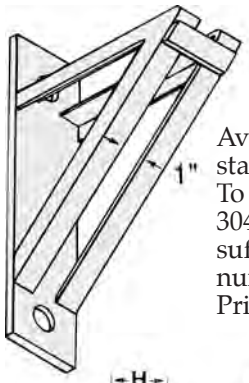
MATERIAL: Low carbon steel

FINISH: Plain

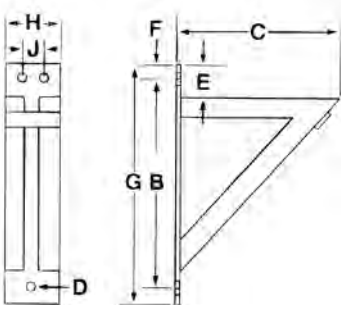
ORDERING: Specify type number and figure number.

Type No.	B	C	Hole Size D	E	F	G	H	Angle Iron Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
0	15 1/2	12	13/16	2 1/2	1 1/4	18	4	1 1/2 X 1 1/2 X 3/16	1500	17.40
1	21 1/2	18	13/16	2 1/2	1 1/4	24	4 1/2	1 3/4 X 1 3/4 X 3/16	1500	27.30
2	27 1/2	24	13/16	2 1/2	1 1/4	30	5	2 X 2 X 1/4	1500	47.60

Fig. 860
HEAVY DUTY WALL BRACKET



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



FUNCTION: Designed for the support or suspension of loads up to 3000 lbs. from walls or structures. The 1" space between the angles allows the rod to be placed anywhere along the length of the brackets.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 33) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 33).

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify type number and figure number.

Type No.	B	C	Hole Size D	E	F	G	H	J	Angle Iron Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
0	15 1/4	12	13/16	2 3/4	1 1/2	18	4	*	2 X 1 1/2 X 1/4	3000	24.33
1	21 3/8	18	15/16	2 3/4	1 3/8	24	5	2 3/4	2 X 2 X 1/4	3000	51.80
2	27 1/2	24	1 1/16	2 3/4	1 1/4	30	5	2 1/2	2 1/2 X 2 X 5/16	3000	65.84
3	33 1/4	30	1 1/16	3	1 1/2	36	5	2 1/2	2 1/2 X 2 X 5/16	3000	82.10
4	39	36	1 1/16	3	1 1/2	42	6	3 1/2	3 1/2 X 2 1/2 X 3/8	3000	140.52
5	46	42	1 1/16	3 1/2	2	50	6	3 1/2	3 1/2 X 2 1/2 X 3/8	3000	166.40

*one hole

Pipe Supports

Fig. 870 PIPE SADDLE SUPPORT WITH COUPLING

FUNCTION: Designed to support horizontal pipe from floor stanchions. Normally used in conjunction with Fig. 871 threaded base stand.

MATERIAL: Steel

FINISH: Plain

ORDERING: Specify pipe size and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	Coupling Pipe Size	B	Wt. Each (in lbs.)
1 1/2	1 1/4	3 1/4	.85
2	1 1/4	3 5/8	1.12
2 1/2	1 1/2	3 7/8	1.62
3	1 1/2	4 3/16	1.79
3 1/2	1 1/2	4 7/16	1.94
4	2	4 3/4	2.73
5	2	5 5/16	3.09
6	2 1/2	6 15/16	5.86
8	2 1/2	7 15/16	6.88
10	3	9 1/8	10.11
12	3	10 1/8	11.28

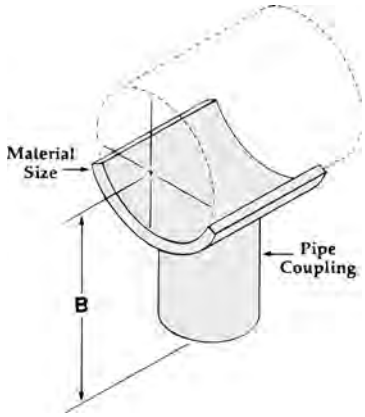


Fig. 871 THREADED BASE STAND

FUNCTION: Designed for use as a base stand for pipe supports.

MATERIAL: Steel

FINISH: Plain

ORDERING: Specify pipe size, height and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Pipe Size	B	Hole Size C	Thread Length D	Plate Size	Wt. Each (in lbs.)
1	1	9/16	1 1/2	1/4 X 6 X 6	4.95
1 1/4	1	9/16	1 1/2	1/4 X 6 X 6	5.83
1 1/2	1	9/16	1 1/2	1/4 X 6 X 6	6.49
2	1	9/16	1 1/2	1/4 X 6 X 6	7.85
2 1/2	1 1/4	9/16	1 1/2	3/8 X 8 X 8	15.24
3	1 1/2	13/16	1 1/2	3/8 X 12 X 12	26.24
4	1 1/2	15/16	2	1/2 X 12 X 12	35.94
6	1 1/2	1 1/8	2	1/2 X 18 X 18	73.46

Note: Wt. based on a height of 18".

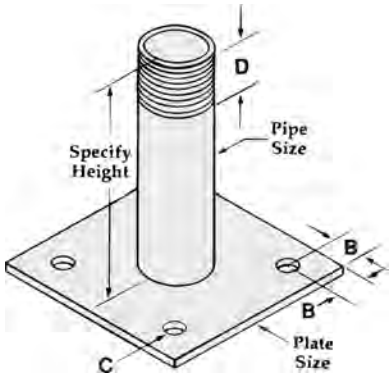
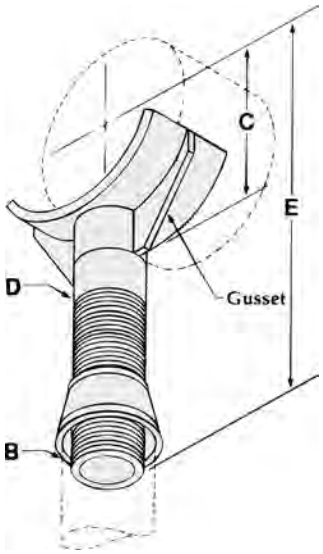


Fig. 875
ADJUSTABLE PIPE SADDLE SUPPORT



MATERIAL: Steel

FINISH: Plain

Note: *Gussets furnished on 8" and larger.*

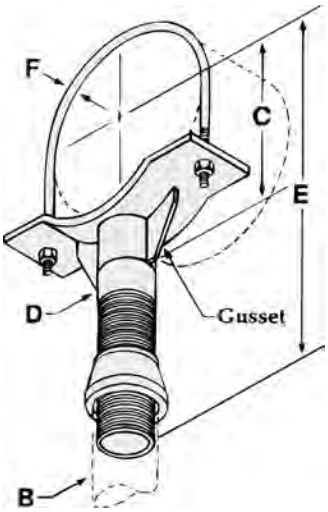
FUNCTION: Designed to support horizontal pipe. Normally used in conjunction with Fig. 871 threaded base stand to provide vertical adjustment of the pipe.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 38) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 38).

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	Adjustment E		Wt. Each (in lbs.)
				Min.	Max.	
2 1/2	2 1/2	3 11/16	1 1/2	9 7/16	13 15/16	5.25
3	2 1/2	4	1 1/2	9 3/4	14 1/4	5.50
3 1/2	2 1/2	4 1/4	1 1/2	10	14 1/2	5.50
4	3	4 1/2	2 1/2	10 3/4	15 1/4	10.60
5	3	5 1/16	2 1/2	11 5/16	15 13/16	10.81
6	3	5 11/16	2 1/2	11 15/16	16 7/16	12.34
8	3	6 11/16	2 1/2	12 15/16	17 7/16	15.00
10	3	7 7/8	2 1/2	14 1/8	18 5/8	16.14
12	3	8 7/8	2 1/2	15 1/8	19 5/8	17.68
14	4	11 5/8	3	17 3/8	21 7/8	28.18
16	4	12 5/8	3	18 3/8	22 7/8	30.10
18	6	14 3/4	4	20 1/2	25	49.98
20	6	15 3/4	4	21 1/2	26	52.00
24	6	18	4	23 3/4	28 1/4	63.47
30	6	21	4	26 3/4	31 1/4	92.24
36	6	24	4	29 3/4	34 1/4	110.77

Fig. 876
ADJUSTABLE PIPE SADDLE SUPPORT WITH U-BOLT



MATERIAL: Steel

FINISH: Plain

Note: *Gussets furnished on 8" and larger.*

FUNCTION: Designed to support horizontal pipe. Normally used in conjunction with Fig. 871 threaded base stand to provide vertical adjustment of the pipe. The U-bolt is used to secure the pipe to the saddle.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 38) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 38).

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	Adjustment E		Dia. F	Wt. Each (in lbs.)
				Min.	Max.		
2 1/2	2 1/2	3 11/16	1 1/2	9 7/16	13 15/16	1/2	8.90
3	2 1/2	4	1 1/2	9 3/4	14 1/4	1/2	9.05
3 1/2	2 1/2	4 1/4	1 1/2	10	14 1/2	1/2	9.25
4	3	4 1/2	2 1/2	10 3/4	15 1/4	1/2	13.25
5	3	5 1/16	2 1/2	11 5/16	15 13/16	1/2	13.45
6	3	5 11/16	2 1/2	11 15/16	16 7/16	5/8	16.25
8	3	6 11/16	2 1/2	12 15/16	17 7/16	5/8	17.95
10	3	8	2 1/2	14 1/4	18 3/4	3/4	22.55
12	3	9	2 1/2	15 1/4	19 3/4	7/8	26.10
14	4	11 3/4	3	17 1/2	22	7/8	41.65
16	4	12 3/4	3	18 1/2	23	7/8	44.10
18	6	15	4	20 3/4	25 1/4	1	70.90
20	6	16	4	21 3/4	26 1/4	1	73.75
24	6	18 1/2	4	24 1/4	28 3/4	1	91.60
30	6	21	4	26 3/4	31 1/4	1	106.55
36	6	24	4	29 3/4	34 1/4	1	112.50

Fig. 877 PIPE SUPPORT ADJUSTER

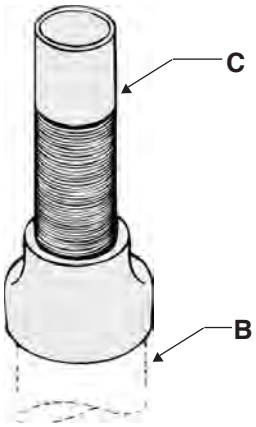
FUNCTION: Designed to provide up to 4½ inches of vertical adjustment after installation. Normally used in conjunction with Fig. 871 threaded base stand, Fig. 880 pipe saddle support or Fig. 882 pipe saddle support with U-bolt.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 38) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 38) when used with Fig. 880.

MATERIAL: Steel pipe with malleable iron reducer.

FINISH: Plain

ORDERING: Specify adjuster size and figure number.



Adjuster Size	For Pipe Size	B	C	Max. Adjustment	Wt. Each (in lbs.)
1 1/2	2 1/2 to 3 1/2	2 1/2	1 1/2	4 1/2	4.05
2 1/2	4 to 12	3	2 1/2		8.30
3	14 to 16	4	3	4 1/2	12.60
4	18 to 36	6	4		22.60

Fig. 878 & 879 PIPE SUPPORT ADJUSTERS

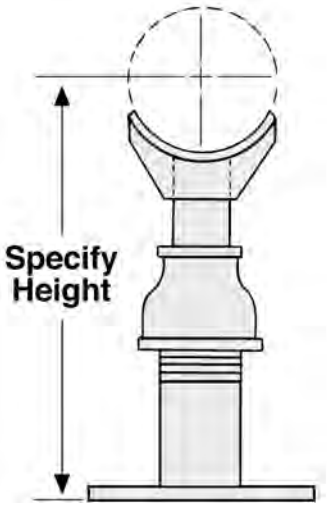


Fig. 878

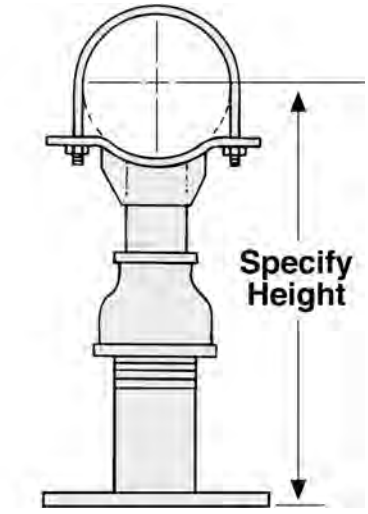


Fig. 879

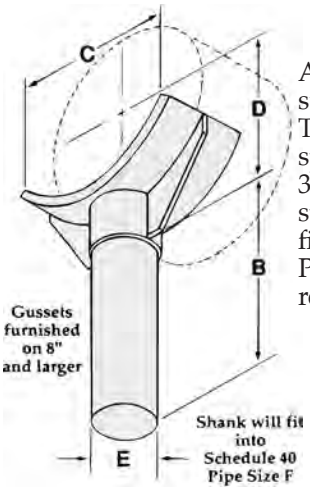
FUNCTION: Designed to provide up to 4 1/2 inches of vertical adjustment after installation.

MATERIAL: Steel pipe with malleable iron reducer.

FINISH: Plain

ORDERING: Specify pipe size, figure number, and height to center of pipe.

Fig. 880
PIPE SADDLE SUPPORT



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.

MATERIAL: Steel

FINISH: Plain

FUNCTION: Designed to support horizontal pipe running close to the floor. Normally used in conjunction with floor stanchions.

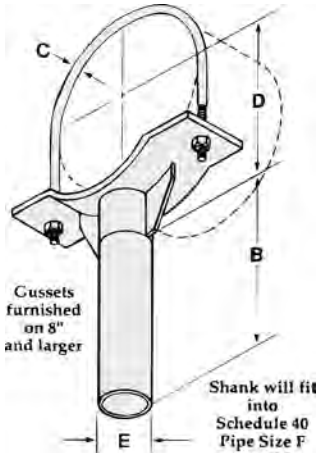
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 36) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 36).

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	E	Pipe Size F	Wt. Each (in lbs.)
2 1/2	4	2 1/2	3 11/16	1 1/2	1 1/2	1.67
3	4	3 1/32	4	1 1/2	1 1/2	1.76
3 1/2	4	3 7/16	4 1/4	1 1/2	1 1/2	1.88
4	4	4 1/4	4 1/2	2 3/8	2 1/2	3.60
5	4	4 13/16	5 1/16	2 3/8	2 1/2	3.81
6	4	6 1/16	5 11/16	2 3/8	2 1/2	5.50
8	4	7 15/16	6 11/16	2 3/8	2 1/2	7.00
10	4	9 5/8	7 7/8	2 3/8	2 1/2	7.66
12	4	11 11/16	8 7/8	2 3/8	2 1/2	8.95
14	4	12 1/8	11 5/8	2 7/8	3	16.54
16	4	13 7/8	12 5/8	2 7/8	3	18.70
18	4	15 19/32	14 3/4	4	4	27.98
20	4	17 5/16	15 3/4	4	4	30.20
24	4	20 25/32	18	4	4	41.46
30	4	26	21	4	4	76.24
36	4	31 3/16	24	4	4	88.77

Fig. 882
PIPE SADDLE SUPPORT WITH U-BOLT

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



MATERIAL: Steel

FINISH: Plain

FUNCTION: Designed to support horizontal pipe running close to the floor. The U-bolt securely holds the pipe to the saddle.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 37) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 37).

ORDERING: Specify pipe size and figure number.

Pipe Size	B	C	D	E	Pipe Size F	Wt. Each (in lbs.)
2 1/2	4	1/2	3 11/16	1 1/2	1 1/2	4.85
3	4	1/2	4	1 1/2	1 1/2	5.00
3 1/2	4	1/2	4 1/4	1 1/2	1 1/2	5.20
4	4	1/2	4 1/2	2 3/8	2 1/2	4.95
5	4	1/2	5 1/16	2 3/8	2 1/2	5.15
6	4	5/8	5 11/16	2 3/8	2 1/2	7.95
8	4	5/8	6 11/16	2 3/8	2 1/2	9.65
10	4	3/4	8	2 3/8	2 1/2	14.25
12	4	7/8	9	2 3/8	2 1/2	17.80
14	4	7/8	11 3/4	2 7/8	3	29.05
16	4	7/8	12 3/4	2 7/8	3	31.50
18	4	1	15	4	4	48.30
20	4	1	16	4	4	53.15
24	4	1	18 1/2	4	4	69.00
30	4	1	21	4	4	83.95
36	4	1	24	4	4	96.50

Adjustable Q-Deck Insert Seismic Brace

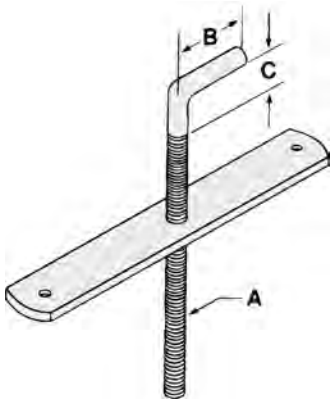
FUNCTION: Designed for installation in metal concrete deck forms to provide a means to support piping and equipment.

MATERIAL: Low carbon steel with electro-galvanized rod

FINISH: Plain

ORDERING: Specify rod size and figure number.

Fig. 885 ADJUSTABLE Q-DECK INSERT



Rod Size A	B	Thread Length	C	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/8	1 11/16	7	1	730	.80
1/2	1 3/4	7	1	1350	.99
5/8	2 5/16	7	1	1810	1.29
3/4	2 3/8	7	1	2710	2.38
7/8	2 3/8	7	1	3770	2.84
1	2 3/8	7	1	4960	2.97

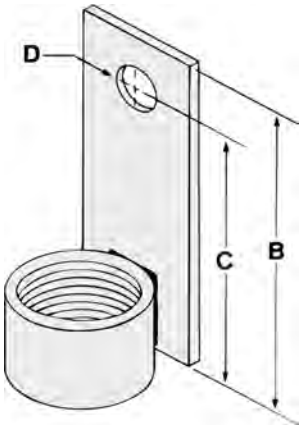
FUNCTION: Designed for bracing pipe against sway due to seismic disturbance. Often used in conjuction with Fig. 520 pipe clamp and Fig. 920 angle bracket at each end of the sway brace.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify figure number.

Fig. 890 SEISMIC BRACE



Tapped Pipe Size	B	C	D	Wt. Each (in lbs.)
1	4	3 1/4	9/16	.51

Welded Beam Attachment

Fig. 900 & 900-1 WELDED BEAM ATTACHMENT

Fig. 900 WITH BOLT AND NUT
Fig. 900-1 WITHOUT BOLT AND NUT

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

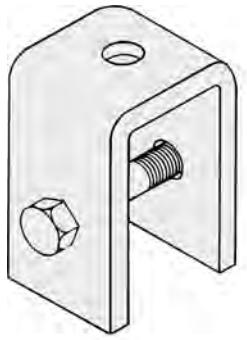
FUNCTION: Designed for attaching hanger rod to the bottom flange of a beam. If installed in the inverted position, the hanger rod can be vertically adjusted otherwise bolt and nut are required.

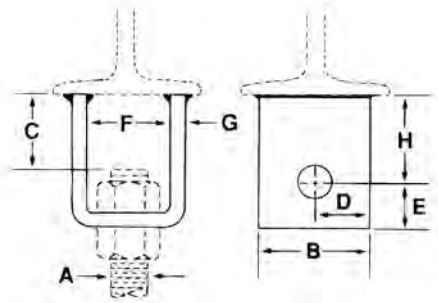
APPROVALS: Complies with Federal Specifications A-A-1192A (Type 22) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 22).

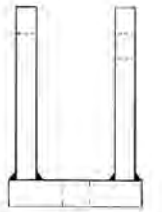
MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify rod size and figure number.







Welded design furnished on $1^1/_2$" and larger.

Rod Size A	B	C	D	E	F	G	H	Bolt or Pin Size	Max. Rec. Load/lbs.		Wt. Each (in lbs.)	
									650°F	750°F	w/o B&N	with B&N
$^3/_8$	2	$1^7/_8$	1	$^7/_8$	$1^1/_4$	3 ga.	2	$^1/_2$ X $2^1/_2$	730	510	.87	1.13
$^1/_2$	2	$1^3/_4$	1	$^7/_8$	$1^1/_4$	3 ga.	2	$^5/_8$ X $2^1/_2$	1350	940	.85	1.28
$^5/_8$	2	$1^3/_4$	1	$^7/_8$	$1^1/_4$	3 ga.	2	$^3/_4$ X $2^1/_2$	1810	1510	.84	1.50
$^3/_4$	$2^1/_2$	2	$1^1/_4$	$1^1/_4$	$2^1/_4$	$^3/_8$	2	$^7/_8$ X 4	2710	2260	2.00	3.04
$^7/_8$	$2^1/_2$	3	$1^1/_4$	$1^1/_4$	$2^3/_8$	$^3/_8$	3	1 X $4^1/_2$	3770	3150	2.50	4.02
1	3	3	$1^1/_2$	$1^1/_2$	$2^3/_4$	$^1/_2$	3	$1^1/_8$ X 5	4960	4150	4.14	6.30
$1^1/_8$	3	3	$1^1/_2$	$1^3/_4$	3	$^1/_2$	3	$1^1/_4$ X 5	6230	5200	4.37	7.15
$1^1/_4$	4	$3^1/_2$	2	2	$3^1/_2$	$^5/_8$	3	$1^3/_8$ X $6^1/_2$	8000	6660	8.50	12.62
$1^1/_2$	5	4	$2^1/_2$	$2^1/_2$	3	$^3/_4$	4	$1^5/_8$ X 6	11630	9700	16.41	23.23
$1^3/_4$	5	5	$2^1/_2$	$2^3/_4$	$3^3/_4$	$^3/_4$	5	$1^7/_8$ X 7	15700	14000	18.70	24.20
2	6	$5^1/_4$	3	$3^1/_4$	$3^3/_4$	$^3/_4$	5	$2^1/_4$ X 7	20700	18460	22.80	30.60

Note: *The 1" size and larger are furnished with pin and cotter on Fig. 900.*

FUNCTION: Designed for attaching hanger rod to a concrete ceiling.

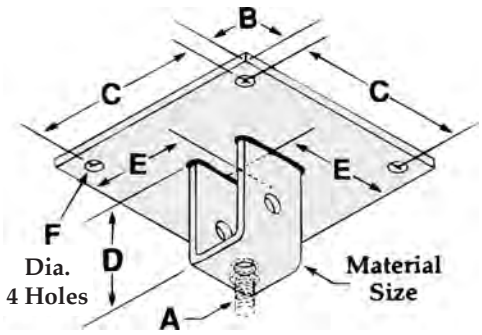
MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify rod size and figure number.

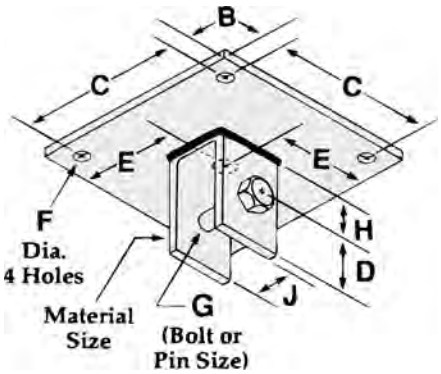
Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Fig. 903
CONCRETE ROD ATTACHMENT PLATE



Rod Size A	B	C	D	E	F	Plate Size	Max. Rec. load/lbs.	Wt. Each (in lbs.)
3/8	1	8	2 7/8	5	9/16	10 X 10 X 3/8	730	11.60
1/2	1	8	2 7/8	5	9/16	10 X 10 X 3/8	1350	11.60
5/8	1	8	2 7/8	5	9/16	10 X 10 X 3/8	1810	15.10
3/4	1	8	3 1/4	5	11/16	10 X 10 X 1/2	2710	16.10
7/8	1	8	4 1/4	5	11/16	10 X 10 X 1/2	3770	16.70
1	2	8	4 1/2	6	13/16	12 X 12 X 1/2	4960	34.90
1 1/8	2	8	4 3/4	6	13/16	12 X 12 X 1/2	6230	35.25
1 1/4	2	8	5	6	15/16	12 X 12 X 3/4	8000	38.70
1 1/2	2	8	6 1/2	6	1 1/16	12 X 12 X 1	11630	56.40
1 3/4	2	10	7 3/4	7	1 3/8	14 X 14 X 1 1/4	15700	88.10
2	2	10	8 1/4	7	1 3/8	14 X 14 X 1 1/4	20700	92.20

Fig. 904
CONCRETE CLEVIS PLATE



FUNCTION: Designed for use as a structural attachment to a concrete ceiling. Normally used in conjunction with Fig. 35 weldless eye nut or Fig. 55 welded eye rod.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify rod size and figure number.

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Rod Size	B	C	D	E	F	G	H	J	Plate Size	Max. Rec. load/lbs.	Wt. Each (in lbs.)
3/8	1	8	7/8	5	9/16	1/2	2	1 1/4	10 X 10 X 3/8	730	11.80
1/2	1	8	7/8	5	9/16	5/8	2	1 1/4	10 X 10 X 3/8	1350	11.90
5/8	1	8	7/8	5	9/16	3/4	2	1 1/4	10 X 10 X 3/8	1810	15.70
3/4	1	8	1 1/4	5	11/16	7/8	2	2 1/4	10 X 10 X 1/2	2710	16.90
7/8	1	8	1 1/4	5	11/16	1	3	2 3/8	10 X 10 X 1/2	3770	18.10
1	2	8	1 1/2	6	13/16	1 1/8	3	2 3/4	12 X 12 X 1/2	4960	36.90
1 1/8	2	8	1 3/4	6	13/16	1 1/4	3	3	12 X 12 X 1/2	6230	37.75
1 1/4	2	8	2	6	15/16	1 3/8	3	3 1/2	12 X 12 X 3/4	8000	40.90
1 1/2	2	8	2 1/2	6	1 1/16	1 5/8	4	3	12 X 12 X 1	11630	59.80
1 3/4	2	10	2 3/4	7	1 3/8	1 7/8	5	3 3/4	14 X 14 X 1 1/4	15700	93.60
2	2	10	3 1/4	7	1 3/8	2 1/4	5	3 3/4	14 X 14 X 1 1/4	20700	100.00

Note: *The 1" size and larger are furnished with pin and cotter.*

Fig. 905 SIDE BEAM CONNECTOR

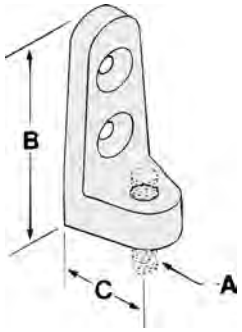
FUNCTION: Designed for attaching hanger rod to the side of wooden beams or walls. Normally secured in place with Fig. 48 wood drive screw.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 34) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 34).

MATERIAL: Malleable iron

ORDERING: Specify rod size and figure number.

Fig. 905 PLAIN
Fig. 905C COPPER COLOR EPOXY FINISH



Rod Size A	B	C	Drive Screw Size	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/8	2 3/16	9/16	#12 X 1 1/2	250	.13
1/2	2 3/4	3/4	#14 X 1 1/2	480	.25

Fig. 906 STEEL SIDE BEAM CONNECTOR

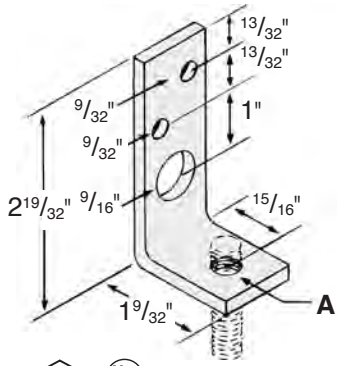
FUNCTION: Designed for attaching hanger rod to wood structures. Secured with Fig. 45 lag screw or two Fig. 48 wood drive screws, see chart.

APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Canada (CUL), and Factory Mutual Approved. Complies with Federal Specifications A-A-1192A (Type 34) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 34).

MATERIAL: Low carbon steel

FINISH: Plain or electro-galvanized

ORDERING: Specify figure number and finish.



Rod Size A	Max. Pipe Size	UL Listed Fasteners	Max. Rec. Load/Lbs	Wt. Each (in lbs.)
3/8	2	(2) #16 X 2	400	.21
3/8	4	1/2 X 2 1/2	730	.21

Fig. 910 REVERSIBLE ANGLE BRACKET

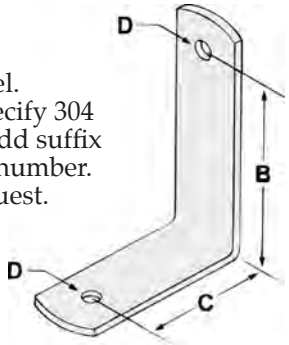
FUNCTION: Designed to support pipe at various distances from a wall or column.

MATERIAL: Low carbon steel

FINISH: Plain

ORDERING: Specify size number and figure number.

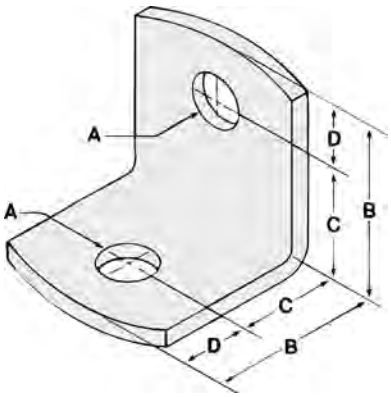
Available in stainless steel. To order, specify 304 or 316 and add suffix SS to figure number. Price on request.



Size No	B	C	Hole Size D	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
1	3	2	7/16	180	.43
2	4	3	7/16	180	.58
3	3	2	9/16	390	1.00
4	4	3	9/16	390	1.25

Fig.920
SIDE BEAM ANGLE BRACKET

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.



FUNCTION: Designed for use with wood, steel or concrete beams to provide a means for supporting hanger rod. When used on steel beams Fig. 920 can be welded or bolted in place.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 34) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 34).

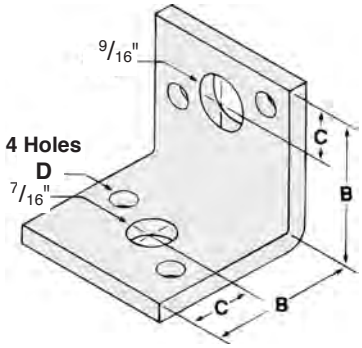
MATERIAL: Low carbon steel

FINISH: Plain or Electro-galvanized

ORDERING: Specify rod size, finish and figure number.

Rod Size A	For Pipe Size	B	C	D	Max. Rec. Load/lbs.		Wt. Each (in lbs.)
					Lag Screw	Bolted to Steel	
3/8	1/2 to 2	2 1/8	1 1/2	5/8	390	580	.52
1/2	2 1/2 to 3 1/2	2 1/8	1 1/2	5/8	640	960	.50
5/8	4 to 5	2 1/2	1 1/2	1	760	1500	.75
3/4	6	2 1/2	1 1/2	1	830	2500	.73
7/8	8 to 12	3 1/4	2 1/4	1	830	3600	1.38

Fig. 925
REVERSIBLE SIDE BEAM ANGLE BRACKET



FUNCTION: Designed for attaching hanger rod to the side of beams or walls. Fig. 925 can accommodate either ⅜ or ½ inch rod.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 34) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 34).

MATERIAL: Low carbon steel

FINISH: Plain or Electro-galvanized

ORDERING: Specify finish and figure number.

For Rod Size	B	C	D	Max. Rec. Load/lbs.	Wt. Each (in lbs.)
3/8 or 1/2	2	13/16	9/32	500	.50

Plate Washer & Welding Lug

FUNCTION: Designed as a heavy-duty washer to suspend hanger rods.

MATERIAL: Low carbon steel

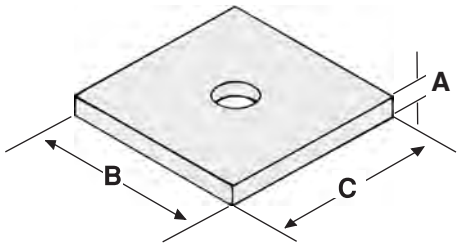
FINISH: Plain

ORDERING: Specify rod size and figure number.

Fig. 930 SQUARE PLATE WASHER

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Standard Rod Size	A	B	C	Wt. Each (in lbs.)
3/8	1/4	2	2	.24
1/2	1/4	2	2	.23
5/8	1/4	2 1/2	2 1/2	.40
3/4	1/4	2 1/2	2 1/2	.39
7/8	3/8	3	3	.87
1	3/8	4	4	1.60
1 1/8	1/2	4	4	2.26
1 1/4	1/2	5	5	3.54
2	3/4	6	6	6.80



FUNCTION: Designed to be welded to the underside of structural members to provide a means of supporting rod attachments. Used in conjunction with Fig. 38 forged steel clevis.

APPROVALS: Complies with Federal Specifications A-A-1192A (Type 57) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 57).

MATERIAL: Low carbon steel

FINISH: Plain

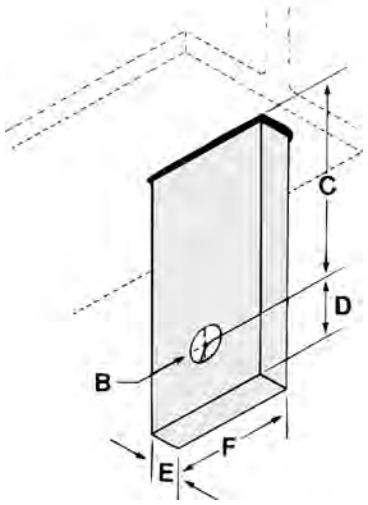
ORDERING: Specify rod size and figure number.

Fig. 935 & 936 WELDING LUG

Fig. 935 LONG WELDING LUG
Fig. 936 SHORT WELDING LUG

Available in stainless steel.
To order, specify 304 or 316 and add suffix SS to figure number.
Price on request.

Rod Size	Pin or Bolt	Hole Size B	C		D	E	F	Max. Rec Load/lbs.	Wt. Each (in lbs.)	
			Short	Long					Short	Long
1/2	5/8	11/16	1 1/2	3	1 1/4	1/4	2 1/2	1130	.48	.75
5/8	3/4	13/16	1 1/2	3	1 1/4	1/4	2 1/2	1810	.41	.68
3/4	7/8	15/16	1 1/2	3	1 1/4	3/8	2 1/2	2710	.60	1.04
7/8	1	1 1/8	2	3	1 1/4	3/8	2 1/2	3770	.71	.98
1	1 1/8	1 1/4	2	3	1 1/2	1/2	3	4960	1.20	1.62
1 1/4	1 3/8	1 1/2	3	4	2	5/8	4	8000	3.03	3.73
1 1/2	1 5/8	1 3/4	3	4 1/2	2 1/2	3/4	5	11630	4.82	6.42



CHANNEL GREEN
QUALITY: POLYESTER

Powder Properties

Test Method	Powder Properties	Tolerances
ASTM D3451 (18.30)	Specific Gravity	1.33 ± 0.03
ASTM D3451 (18.30)	Theoretical Coverage	144.58 ± 4.0 FT^2/Lb/Mil.
ASTM D3451 (13)	Volatile Content	Max. 2.5%
ASTM D3451 (13)	Storage Temperature Max	80°F

Coating Properties

All tests performed on Substrate 0.032 CRS
Pretreatment Bonderite 1000

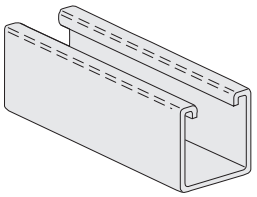
Test Method	Coating Properties	Tolerances/ Specifications
ASTM D523	Gloss 20°/60°	70-80
ASTM D2454	Over Bake Resistance Time	100%
ASTM D3363	Pencil Hardness	H - 2H
ASTM D2794 (Modified)	Direct Impact (Gardner)	80 in. Lbs.
ASTM D2794 (Modified)	Reverse Impact (Gardner)	80 in. Lbs.
ASTM D33598B	Adhesion (Cross Hatch)	Pass No Adhesion Loss
ASTM D5222	Flexibility (Mandrel)	1/8 Bend No Fracture
ASTM 117	Salt Spray	1000 Hrs.
ASTM D2247	Humidity	500 Hrs.

Application

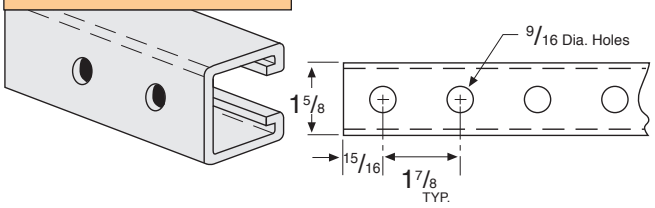
Test Method	Application	Cure Schedule
Electrostatic Spray	Ambient Temperature	15' @ 190°C (375°F) Recommend Minimum Film Thickness 1.5

Selection Chart

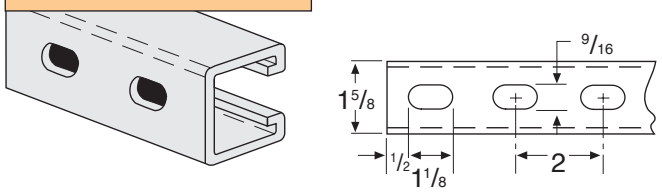
Figure Number	Width	Height	Material Size	See Page Number
1001-1042	1-5/8	1-5/8	12 Ga.	26
1101-1142	1-5/8	1-5/8	14 Ga.	28
1201-1242	1-5/8	13/16	12 Ga.	30
1301-1342	1-5/8	13/16	14 Ga.	32
1401-1442	1-5/8	1	12 Ga.	34
1501-1542	1-5/8	3-1/4	12 Ga.	36
1601-1642	1-5/8	2-7/16	12 Ga.	38
1701-1742	1-5/8	1-3/8	12 Ga.	40



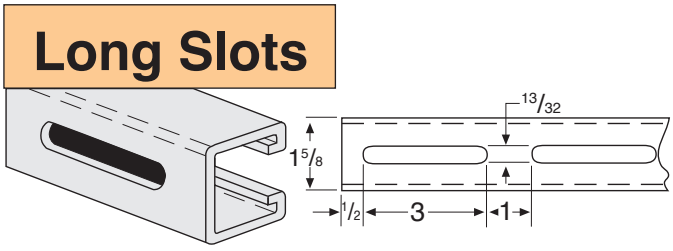
Holes



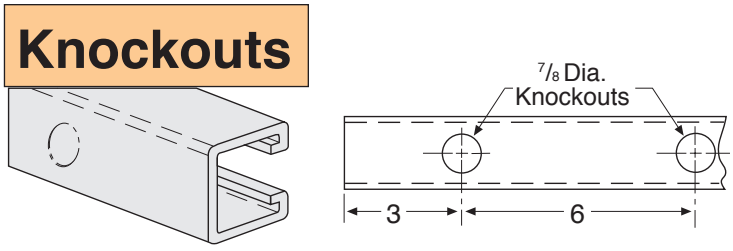
Slots



Long Slots

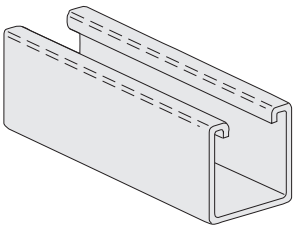


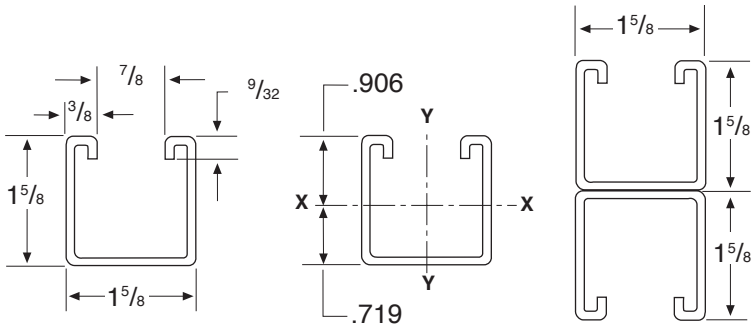
Knockouts



1001-1042

1 5/8" X 1 5/8" X 12 Gauge



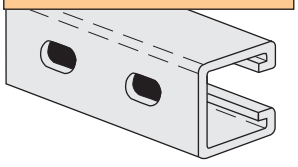


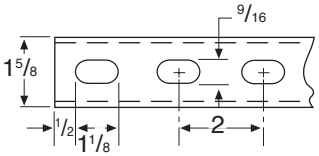
ORDERING: Specify Figure No., finish and number of feet.

Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1001	1002	No Openings	1.77	500	500
1001A	1002A	Welded Back to Back	3.54	200	300
1011	1012	With 1 1/8" X 9/16" slots on 2" centers	1.70	500	500
1011A	1012A	Welded Back to Back	3.40	200	300
1021	1022	With 9/16" dia. holes on 1 7/8" centers	1.80	500	500
1021A	1022A	Welded Back to Back	3.60	200	300
1031	1032	With 3" slots	1.68	500	500
1041	1042	With 7/8" Knockouts on 6" centers	1.77	500	500

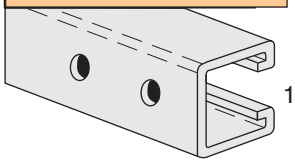
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

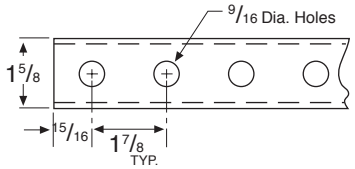
1011-1012



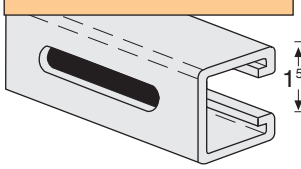


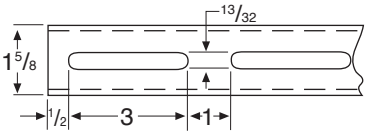
1021-1022



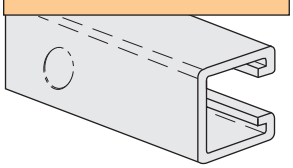


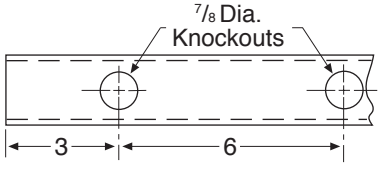
1031-1032





1041-1042





1001-1042

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1001	.561	.189	.209	.580	.239	.294	.653
1001A	1.122	.958	.589	.924	.478	.588	.653

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1001	12"	10454	2610	.01	2610
1001A		21625	2610*	.01	2610*
1001	18"	9950	2269	.03	2269
1001A		21433	2610*	.01	2610*
1001	24"	9311	1702	.06	1702
1001A		21164	2610*	.02	2610*
1001	30"	8582	1361	.09	1361
1001A		20819	2610*	.03	2610*
1001	36"	7801	1135	.13	1135
1001A		20397	2610*	.06	2610*
1001	42"	6998	972	.17	972
1001A		19898	2610*	.09	2610*
1001	48"	6193	851	.22	758
1001A		19322	2405	.13	2405
1001	54"	5392	756	.28	599
1001A		18669	2138	.16	2138
1001	60"	4718	681	.35	485
1001A		17940	1924	.20	1924
1001	66"	4202	619	.42	401
1001A		17134	1749	.24	1749
1001	72"	3791	567	.51	337
1001A		16251	1603	.28	1603
1001	84"	3176	486	.69	248
1001A		14255	1374	.38	1255
1001	96"	2728	425	.90	190
1001A		11951	1202	.50	961
1001	108"	2381	378	1.13	150
1001A		9524	1069	.63	759
1001	120"	2101	340	1.40	121
1001A		7715	962	.78	615

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1011 & 1012	15%
1021 & 1022	10%
1031 & 1032	30%
1041 & 1042	5%

TECHNICAL DATA

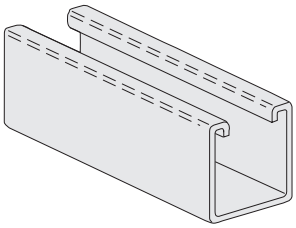
SPOT WELDING

Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

1101-1142

1 5/8" X 1 5/8" X 14 Gauge



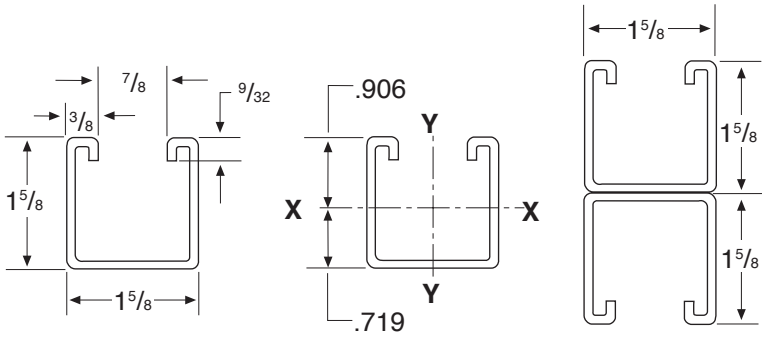
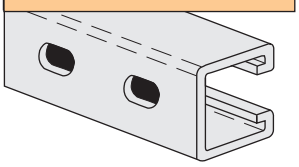


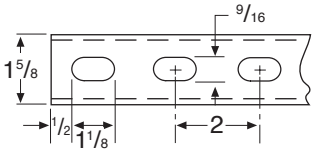
Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1101	1102	No Openings	1.30	500	500
1101A	1102A	Welded Back to Back	2.60	200	300
1111	1112	With 1 1/8" X 9/16" slots on 2" centers	1.28	500	500
1111A	1112A	Welded Back to Back	2.56	200	300
1121	1122	With 9/16" dia. holes on 1 7/8" centers	1.30	500	500
1121A	1122A	Welded Back to Back	2.74	200	300
1131	1132	With 3" slots	1.29	500	500
1141	1142	With 7/8" Knockouts on 6" centers	1.30	500	500

ORDERING:
Specify Figure No., finish and number of feet.

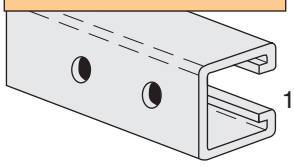
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

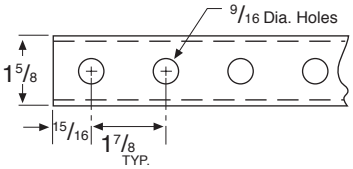
1111-1112



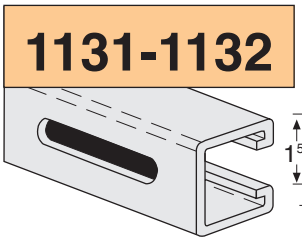


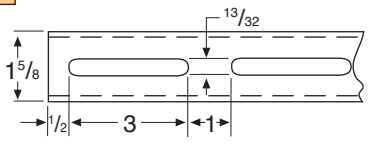
1121-1122



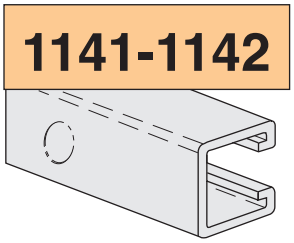


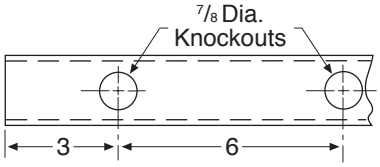
1131-1132





1141-1142





1101-1142

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1101	.417	.149	.166	.597	.183	.225	.662
1101A	.834	.741	.456	.942	.366	.450	.662

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1101	12"	6441	1750	.01	1750
1101A		13212	1750*	.01	1750*
1101	24"	5874	1379	.06	1379
1101A		12993	1750*	.01	1750*
1101	36"	5038	919	.13	919
1101A		12627	1750*	.05	1750*
1101	48"	4043	689	.23	607
1101A		12115	1750*	.12	1750*
1101	60"	3008	551	.36	389
1101A		11456	1518	.20	1518
1101	72"	2324	460	.51	270
1101A		10651	1265	.28	1265
1101	84"	1898	394	.70	198
1101A		9700	1084	.38	990
1101	96"	1608	345	.91	152
1101A		8602	949	.50	758
1101	108"	1397	306	1.15	120
1101A		7358	843	.63	599
1101	120"	1236	276	1.42	97
1101A		6024	759	.78	485

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1111 & 1112	15%
1121 & 1122	10%
1131 & 1132	30%
1141 & 1142	5%

TECHNICAL DATA

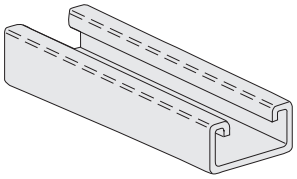
SPOT WELDING

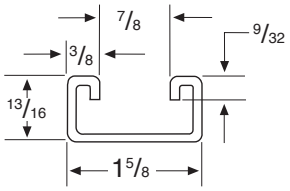
Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

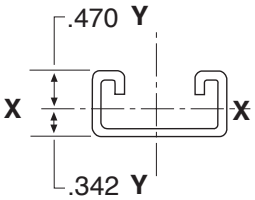
Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

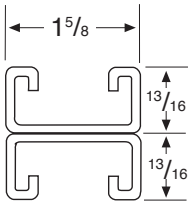
1201-1242

1 5/8" X 13/16" X 12 Gauge







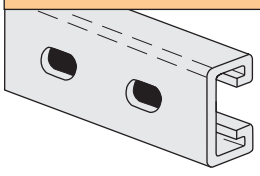


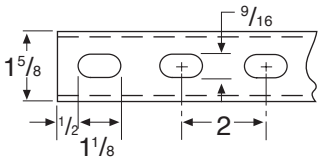
ORDERING:
Specify Figure No., finish and number of feet.

Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1201	1202	No Openings	1.22	500	1000
1201A	1202A	Welded Back to Back	2.52	500	500
1211	1212	With 1 1/8" X 9/16" slots on 2" centers	1.15	500	1000
1211A	1212A	Welded Back to Back	2.36	500	500
1221	1222	With 9/16" dia. holes on 1 7/8" centers	1.16	500	1000
1221A	1222A	Welded Back to Back	2.40	500	500
1231	1232	With 3" slots	1.15	500	1000
1241	1242	With 7/8" Knockouts on 6" centers	1.27	500	1000

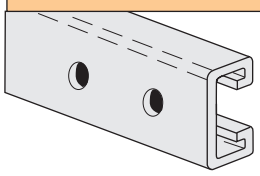
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

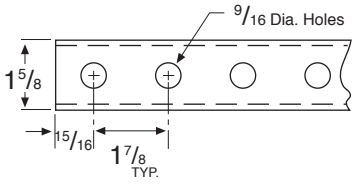
1211-1212



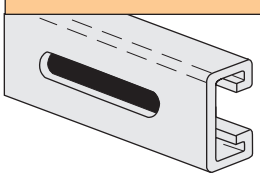


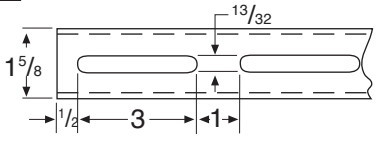
1221-1222



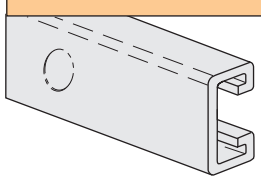


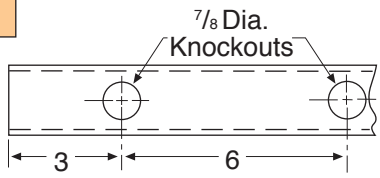
1231-1432





1241-1242





1201-1242

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1201	.376	.033	.068	.297	.115	.142	.554
1201A	.752	.148	.182	.444	.230	.284	.554

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1201	12"	8407	1079	.02	1079
1201A		19160	1270*	.01	1270*
1201	24"	7519	539	.10	506
1201A		17444	1270*	.05	1270*
1201	36"	5397	360	.24	225
1201A		15275	1013	.14	1013
1201	48"	3178	270	.43	126
1201A		12692	759	.25	607
1201	60"	2034	216	.67	81
1201A		9683	608	.39	388
1201	72"	-	180	.96	56
1201A		6780	506	.56	270
1201	84"	-	154	1.31	41
1201A		4981	434	.77	198
1201	96"	-	135	1.71	32
1201A		3814	380	1.00	152
1201	108"	-	120	2.16	25
1201A		3013	338	1.27	120
1201	120"	-	108	2.67	20
1201A		-	304	1.56	97

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1211 & 1212	15%
1221 & 1222	10%
1231 & 1232	30%
1241 & 1242	5%

TECHNICAL DATA

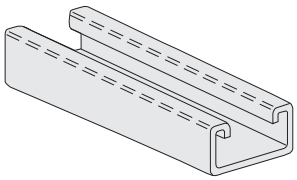
SPOT WELDING

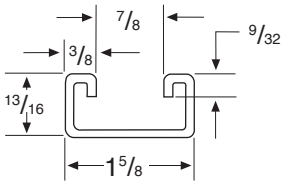
Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

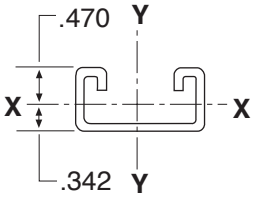
Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

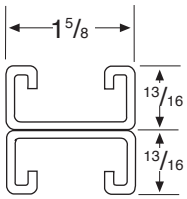
1301-1342

$1^{5}/_{8}$" X $^{13}/_{16}$" X 14 Gauge







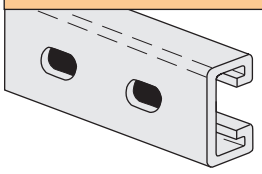


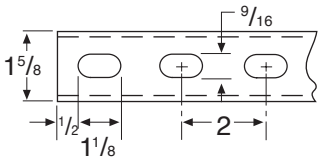
ORDERING:
Specify Figure No., finish and number of feet.

Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1301	1302	No Openings	.93	500	1000
1301A	1302A	Welded Back to Back	1.86	500	500
1311	1312	With $1^{1}/_{8}$" X $^{9}/_{16}$" slots on 2" centers	.86	500	1000
1311A	1312A	Welded Back to Back	1.72	500	500
1321	1322	With $^{9}/_{16}$" dia. holes on $1^{7}/_{8}$" centers	.88	500	1000
1321A	1322A	Welded Back to Back	1.92	500	500
1331	1332	With 3" slots	.87	500	1000
1341	1342	With $^{7}/_{8}$" Knockouts on 6" centers	.97	500	1000

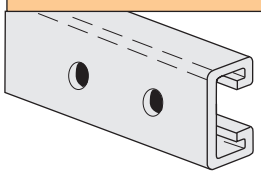
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

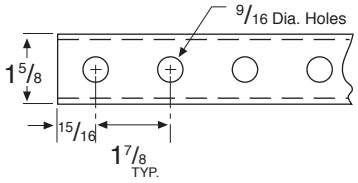
1311-1312



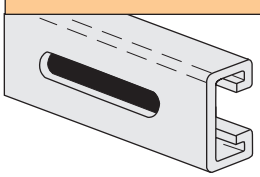


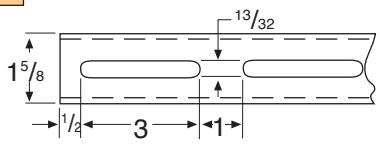
1321-1322



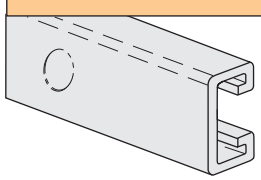


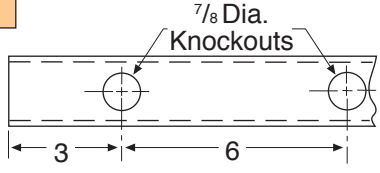
1331-1332





1341-1342





1301-1342

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1301	.295	.027	.056	.302	.110	.135	.610
1301A	.590	.122	.150	.455	.220	.270	.610

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1301	12"	6186	870	.03	870
1301A		12763	870*	.01	870*
1301	24"	5464	465	.11	430
1301A		12135	870*	.04	870*
1301	36"	4300	310	.24	191
1301A		11087	832	.14	832
1301	48"	2703	233	.43	108
1301A		9620	624	.25	499
1301	60"	1730	186	.68	69
1301A		7734	499	.39	319
1301	72"	1201	155	.97	48
1301A		5571	416	.56	222
1301	84"	-	133	1.32	35
1301A		4093	357	.76	163
1301	96"	-	116	1.73	27
1301A		3134	312	1.00	125
1301	108"	-	103	2.19	21
1301A		2476	277	1.27	98
1301	120"	-	93	2.70	17
1301A		-	250	1.56	80

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1311 & 1312	15%
1321 & 1322	10%
1331 & 1332	30%
1341 & 1342	5%

TECHNICAL DATA

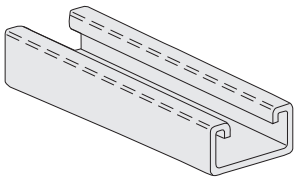
SPOT WELDING

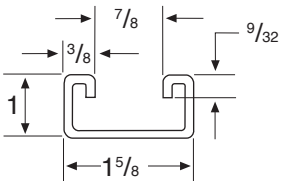
Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

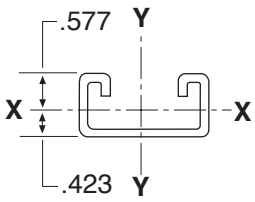
Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

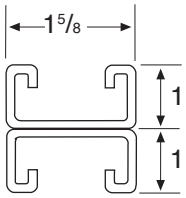
1401-1442

1 5/8" X 1" X 12 Gauge







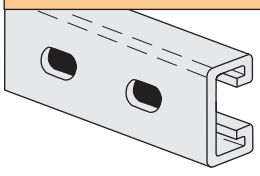


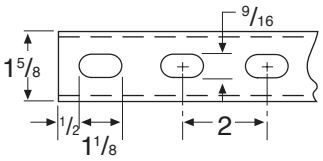
ORDERING:
Specify Figure No., finish and number of feet.

Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1401	1402	No Openings	1.38	500	1000
1401A	1402A	Welded Back to Back	2.88	500	400
1411	1412	With 1 1/8" X 9/16" slots on 2" centers	1.34	500	1000
1411A	1412A	Welded Back to Back	2.72	500	400
1421	1422	With 9/16" dia. holes on 1 7/8" centers	1.39	500	1000
1421A	1422A	Welded Back to Back	2.78	500	400
1431	1432	With 3" slots	1.31	500	1000
1441	1442	With 7/8" Knockouts on 6" centers	1.44	500	1000

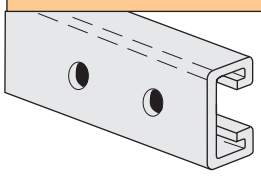
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

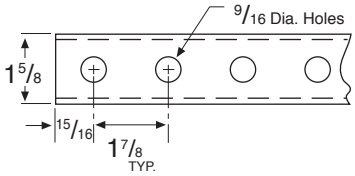
1411-1412



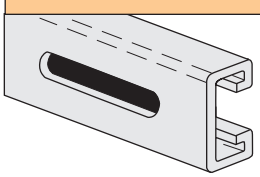


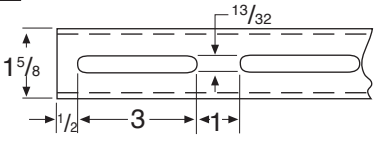
1421-1422



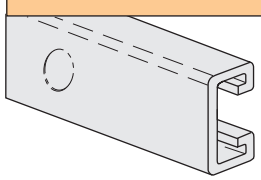


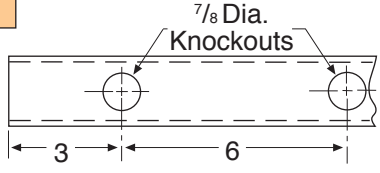
1431-1432





1441-1442





1401-1442

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1401	.430	.055	.095	.357	.163	.201	.616
1401A	.860	.263	.263	.553	.327	.402	.616

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1401	12"	9138	1538	.02	1538
1401A		21094	1590*	.01	1590*
1401	24"	8137	769	.09	769
1401A		19757	1590*	.04	1590*
1401	36"	7050	513	.20	388
1401A		18094	1428	.11	1428
1401	48"	5405	384	.35	218
1401A		16139	1071	.20	1053
1401	60"	3512	308	.55	140
1401A		13906	857	.32	674
1401	72"	2439	256	.79	97
1401A		11387	714	.46	468
1401	84"	1792	220	1.07	71
1401A		8645	612	.62	344
1401	96"	-	192	1.41	55
1401A		6619	535	.81	263
1401	108"	-	171	1.78	43
1401A		5230	476	1.03	208
1401	120"	-	154	2.20	35
1401A		4236	428	1.27	168

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1411 & 1412	15%
1421 & 1422	10%
1431 & 1432	30%
1441 & 1442	5%

TECHNICAL DATA

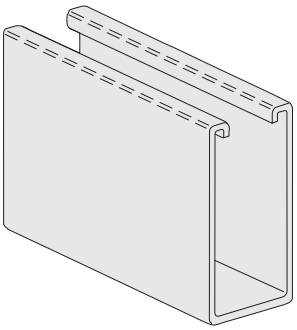
SPOT WELDING

Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

1501-1542

1 5/8" X 3 1/4" X 12 Gauge



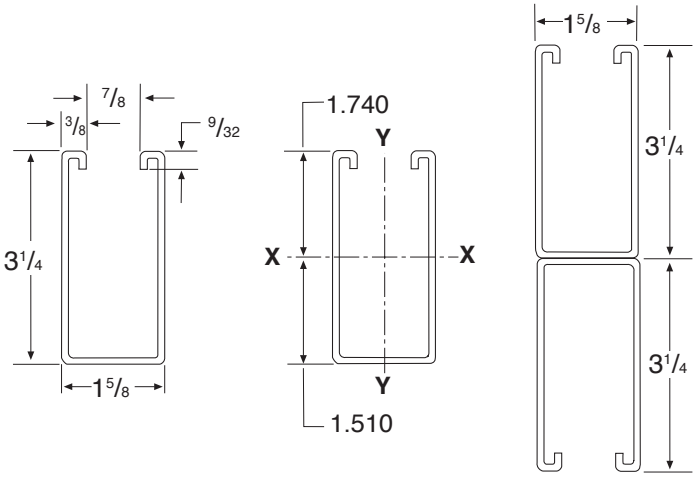
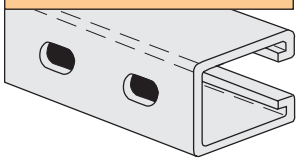


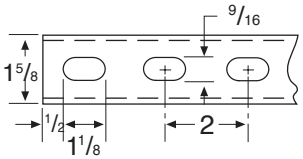
Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1501	1502	No Openings	2.99	300	300
1501A	1502A	Welded Back to Back	5.98	100	200
1511	1512	With 1 1/8" X 9/16" slots on 2" centers	2.90	300	300
1511A	1512A	Welded Back to Back	5.80	100	200
1521	1522	With 9/16" dia. holes on 1 7/8" centers	2.91	300	300
1521A	1522A	Welded Back to Back	6.02	100	200
1531	1532	With 3" slots	2.89	300	300
1541	1542	With 7/8" Knockouts on 6" centers	2.91	300	300

ORDERING:
Specify Figure No., finish and number of feet.

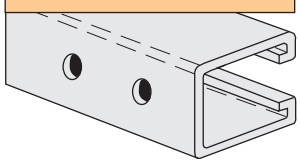
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

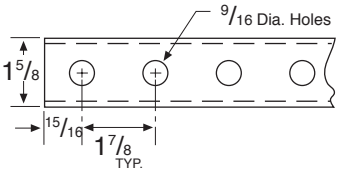
1511-1512



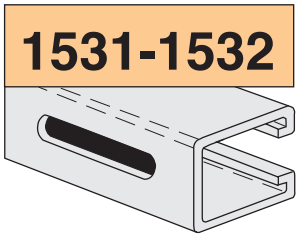


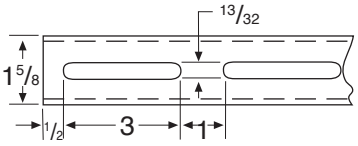
1521-1522



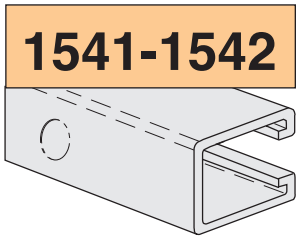


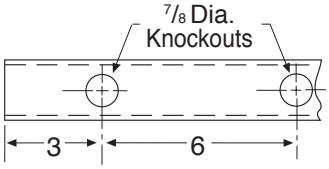
1531-1532





1541-1542





1501-1542

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1501	.902	1.115	.641	1.112	.436	.537	.695
1501A	1.804	6.349	1.953	1.876	.873	1.074	.695

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1501	24"	8190	5130	.03	5130
1501A		17701	5130*	.01	5130*
1501	36"	7311	3488	.07	3488
1501A		17416	5130*	.02	5130*
1501	48"	6214	2616	.12	2616
1501A		17016	5130*	.04	5130*
1501	60"	4988	2093	.18	2093
1501A		16503	5130*	.08	5130*
1501	72"	3816	1744	.26	1744
1501A		15876	5130*	.14	5130*
1501	84"	3063	1495	.36	1460
1501A		15135	4552	.19	4552
1501	96"	2564	1308	.47	1118
1501A		14279	3983	.25	3983
1501	108"	2213	1163	.59	884
1501A		13310	3541	.32	3541
1501	120"	1953	1046	.73	716
1501A		12226	3187	.39	3187

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1511 & 1512	15%
1521 & 1522	10%
1531 & 1532	30%
1541 & 1542	5%

TECHNICAL DATA

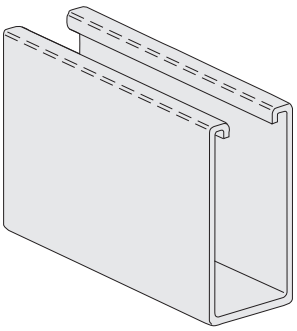
SPOT WELDING

Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

1601-1642

$1\frac{5}{8}$" X $2\frac{7}{16}$" X 12 Gauge



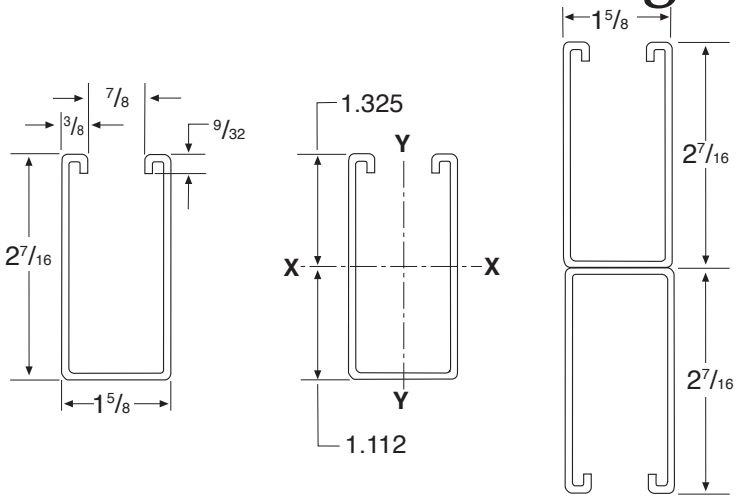
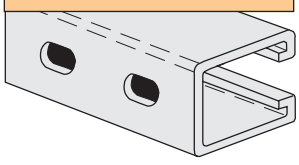


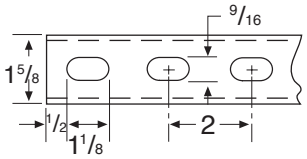
Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1601	1602	No Openings	2.30	300	400
1601A	1602A	Welded Back to Back	4.60	200	200
1611	1612	With $1\frac{1}{8}$" X $\frac{9}{16}$" slots on 2" centers	2.23	300	400
1611A	1612A	Welded Back to Back	4.46	200	200
1621	1622	With $\frac{9}{16}$" dia. holes on $1\frac{7}{8}$" centers	2.25	300	400
1621A	1622A	Welded Back to Back	4.86	200	200
1631	1632	With 3" slots	2.21	300	400
1641	1642	With $\frac{7}{8}$" Knockouts on 6" centers	2.48	300	400

ORDERING:
Specify Figure No., finish and number of feet.

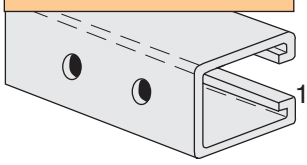
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

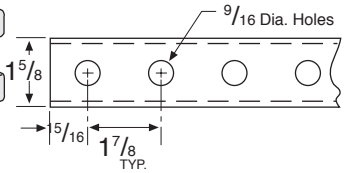
1611-1612



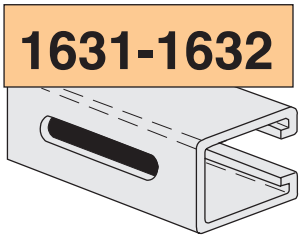


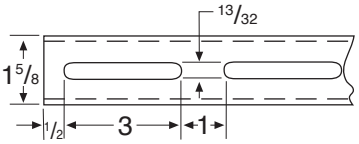
1621-1622



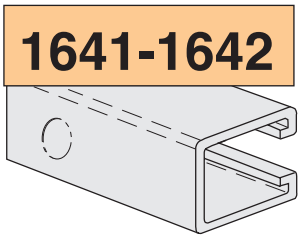


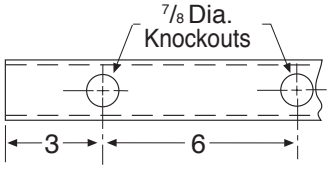
1631-1632





1641-1642





1601-1642

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1601	.732	.531	.401	.852	.338	.416	.680
1601A	1.464	2.874	1.179	1.401	.676	.832	.680

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1601	12"	10140	3880	.01	3880
1601A		20820	3880*	.01	3880*
1601	24"	9244	3273	.04	3273
1601A		20519	3880*	.01	3880*
1601	36"	7933	2182	.09	2182
1601A		20017	3880*	.03	3880*
1601	48"	6386	1636	.15	1636
1601A		19315	3880*	.07	3880*
1601	60"	4785	1309	.24	1309
1601A		18412	3847*	.13	3847*
1601	72"	3717	1091	.35	947
1601A		17309	3206	.19	3206
1601	84"	3052	935	.47	696
1601A		16005	2748	.26	2748
1601	96"	2600	818	.62	533
1601A		14500	2404	.33	2404
1601	108"	2271	727	.77	421
1601A		12795	2137	.42	2137
1601	120"	2019	655	.96	341
1601A		10889	1924	.52	1844

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1611 & 1612	15%
1621 & 1622	10%
1631 & 1632	30%
1641 & 1642	5%

TECHNICAL DATA

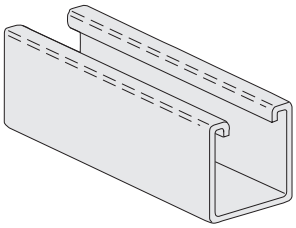
SPOT WELDING

Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

Through the use of modern technology, destructive and non-destructive testing, the quality of strut can be maintained. Spot weld strut is fabricated in accordance with the R.W.M.A. guidelines for resistance welding.

1701-1742

1 5/8" X 1 3/8" X 12 Gauge



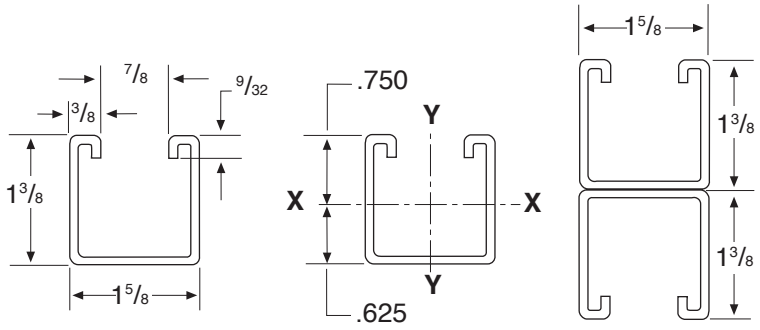
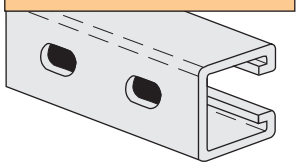


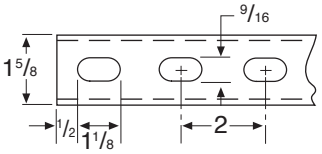
Fig. Number		Type - Description	Weight Per Foot (in Lbs.)	Bundle Qty.	
10 ft.	20 ft.			10 ft.	20 ft.
1701	1702	No Openings	1.59	500	500
1701A	1702A	Welded Back to Back	3.40	200	300
1711	1712	With 1 1/8" X 9/16" slots on 2" centers	1.54	500	500
1711A	1712A	Welded Back to Back	3.24	200	300
1721	1722	With 9/16" dia. holes on 1 7/8" centers	1.65	500	500
1721A	1722A	Welded Back to Back	3.30	200	300
1731	1732	With 3" slots	1.59	500	500
1741	1742	With 7/8" Knockouts on 6" centers	1.70	500	500

ORDERING:
Specify Figure No., finish and number of feet.

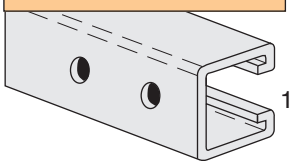
Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.

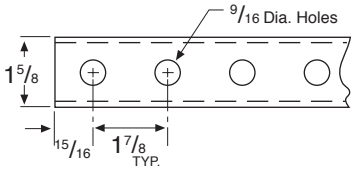
1711-1712



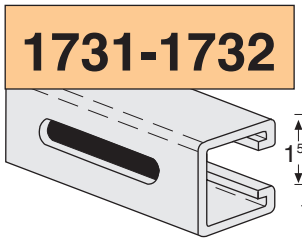


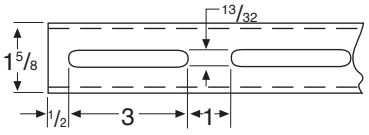
1721-1722



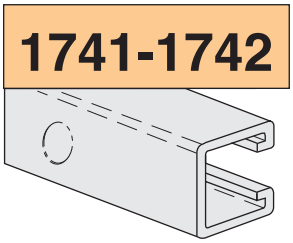


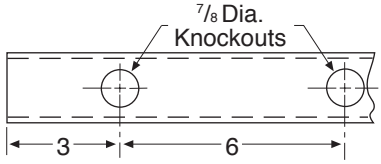
1731-1732





1741-1742





1701-1742

Elements of Selection

Figure Number	X-X Axis				Y-Y Axis		
	Area of Section Inches^2	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches	Moment of Inertia Inches^4	Section Modulus Inches^3	Radius of Gyration Inches
1701	.508	.124	.159	.494	.209	.257	.641
1701A	1.016	.613	.445	.776	.418	.514	.641

Modules of Elasticity: 29,500,000 PSI

Beam & Column Loads

Figure Number	Beam Span or Unbraced Column Height	Maximum Column Load (in Lbs.)	Uniform Load @ 25,000 PSI (in Lbs.)	Deflection @ 25,000 PSI (in Inches)	Uniform Load @ 1/240 Span (in Lbs.)
1701	12"	10278	2210	.02	2210
1701A		21320	2210*	.01	2210*
1701	24"	9104	1299	.07	1299
1701A		20806	2210*	.02	2210*
1701	36"	7640	866	.15	866
1701A		19950	2210*	.08	2210*
1701	48"	6151	649	.26	495
1701A		18751	1817	.15	1817
1701	60"	4778	520	.41	317
1701A		17210	1454	.23	1454
1701	72"	3870	433	.59	220
1701A		15326	1211	.33	1092
1701	84"	3243	371	.80	162
1701A		13100	1038	.45	802
1701	96"	2774	325	1.04	124
1701A		10525	909	.59	614
1701	108"	2403	289	1.32	98
1701A		8316	808	.75	485
1701	120"	1993	260	1.63	79
1701A		6736	727	.92	393

Beam Loads

Loads listed are uniformly distributed, for loads concentrated at center of span multiply uniform load by .5 and multiply the deflection by .8. When deflection is not a factor use stress of 25,000 PSI. When deflection is a factor use deflection of 1/240 Span. *Failure determined by weld shear.

Column Loads

Column loadings are for allowable axial loads for the unsupported heights listed and include a K value of .80. If eccentric, loads should be reduced according to standard practice.

For Fabricated Channels, reduce beam load values as follows:

1711 & 1712	15%
1721 & 1722	10%
1731 & 1732	30%
1741 & 1742	5%

TECHNICAL DATA

SPOT WELDING

Resistance welding of back to back strut channel is accomplished by way of an AC powered press type spot welder. This equipment produces a series of spot welds from 2-1/2" to 3" apart continuously down the length of the channel. Consistency is maintained by the use of a highly sophisticated constant current weld control. This processor is capable of maintaining weld sequence, duration and current control along with other variables. Any deviations in the programmed parameters will issue forth an alarm or shut down fault, which is then investigated. Weld quality is tested every 300-350 welds through the use of a destructive test method.

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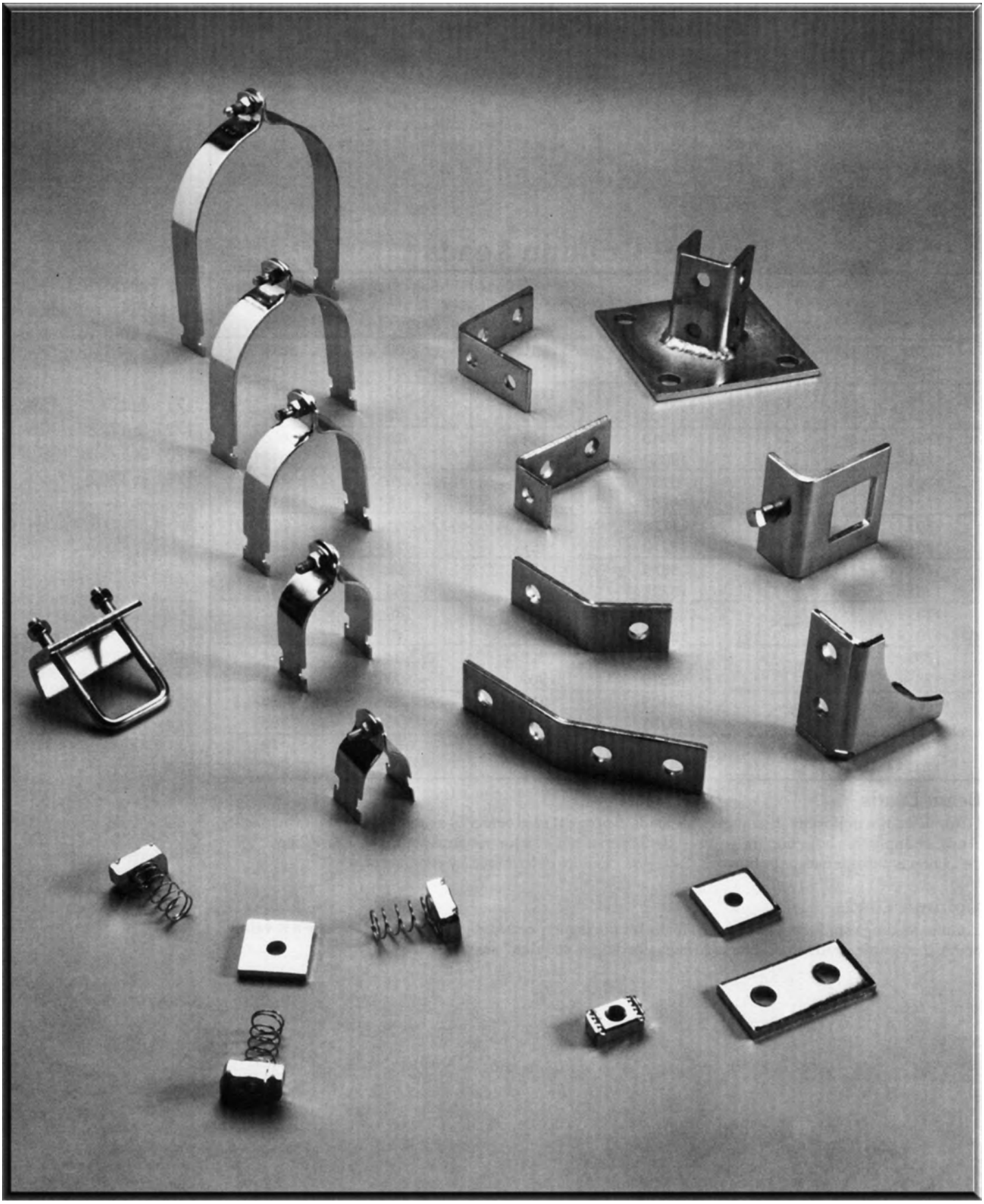
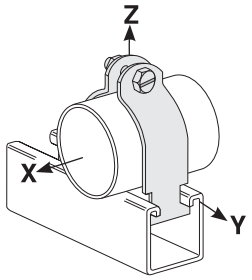


I.P. Pipe Clamp

2001-2016

Fig. Number	Pipe Size	O.D. Size	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
					X	Y	Z	
2001	3/8	•	100	16 Ga.	50	50	400	.10
2002	1/2	•	100	16 Ga.	50	50	400	.10
2003	3/4	•	100	14 Ga.	75	75	600	.14
2004	1	•	100	14 Ga.	75	75	600	.17
2005	1 1/4	•	100	14 Ga.	75	75	600	.21
2006	1 1/2	•	50	12 Ga.	125	125	800	.30
2007	2	2 3/8	50	12 Ga.	125	125	800	.35
2008	2 1/2	2 7/8	50	12 Ga.	125	125	800	.39
2009	3	3 1/2	50	12 Ga.	125	125	800	.46
2010	3 1/2	4	50	11 Ga.	150	200	1000	.65
2011	4	4 1/2	25	11 Ga.	150	200	1000	.66
2012	5	•	25	11 Ga.	150	200	1000	.79
2013	6	6 5/8	25	11 Ga.	150	200	1000	1.00
2014	8	8 5/8	25	11 Ga.	200	250	1000	1.14
2015	10	10 3/4	25	11 Ga.	200	250	1000	1.43
2016	12	12 3/4	25	11 Ga.	200	250	1000	1.74

Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.



MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

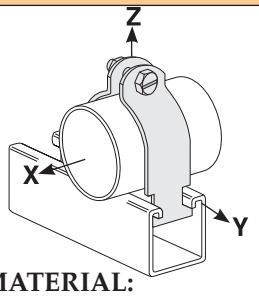
ORDERING:
Specify figure number and pipe size.

Universal Pipe Clamp for EMT, IMC & GRC

2101-2107

Fig. Number	Nominal Size	O.D. Size Range	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
					X	Y	Z	
2101	3/8	.557 to .706	100	16 Ga.	50	50	400	.11
2102	1/2	.706 to .840	100	16 Ga.	50	50	400	.11
2103	3/4	.922 to 1.050	100	14 Ga.	50	50	400	.15
2104	1	1.163 to 1.315	100	14 Ga.	50	50	400	.17
2105	1 1/4	1.510 to 1.660	100	14 Ga.	50	50	400	.19
2106	1 1/2	1.740 to 1.90	50	12 Ga.	75	75	600	.30
2107	2	2.197 to 2.375	50	12 Ga.	75	75	600	.35

ORDERING: Specify figure number and nominal size.



MATERIAL:
Low carbon steel

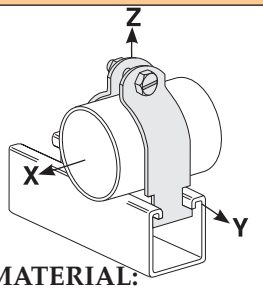
FINISH:
Electro-galvanized

EMT Conduit Clamp

2201-2207

Fig. Number	EMT Size	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
				X	Y	Z	
2201	3/8	100	16 Ga.	50	50	400	.09
2202	1/2	100	16 Ga.	50	50	400	.09
2203	3/4	100	16 Ga.	50	50	400	.10
2204	1	100	14 Ga.	50	50	600	.14
2205	1 1/4	100	14 Ga.	50	50	600	.16
2206	1 1/2	50	12 Ga.	75	75	800	.27
2207	2	50	12 Ga.	75	75	800	.30

ORDERING: Specify figure number and EMT size.

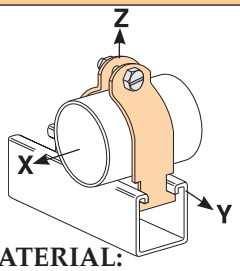


MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

Strut Clamps

2301-2314



MATERIAL:
Low carbon steel

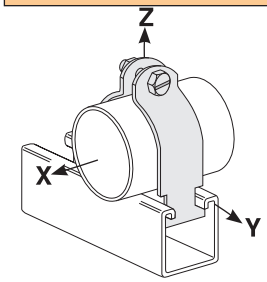
FINISH:
Copper Color Epoxy Finish

ORDERING:
Specify figure number and tube size.

Copper Tubing Clamp

Fig. Number	Tube Size	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
				X	Y	Z	
2301	1/4	100	16 Ga.	50	50	400	.09
2302	3/8	100	16 Ga.	50	50	400	.09
2303	1/2	100	16 Ga.	50	50	400	.09
2304	3/4	100	16 Ga.	50	50	400	.10
2305	1	100	14 Ga.	75	75	600	.14
2306	1 1/4	100	14 Ga.	75	75	600	.16
2307	1 1/2	100	14 Ga.	75	75	600	.17
2308	2	50	12 Ga.	125	125	800	.29
2309	2 1/2	50	12 Ga.	125	125	800	.35
2310	3	50	12 Ga.	125	125	800	.40
2311	3 1/2	25	12 Ga.	150	200	1000	.51
2312	4	25	12 Ga.	150	200	1000	.61
2313	5	25	11 Ga.	150	200	1000	.74
2314	6	25	11 Ga.	200	250	1000	.94

2401-2435



APPLICATION:

For use with No-Hub Cast Iron Soil Pipe

Fig. Number	No-Hub Cast Iron Soil Nom. Pipe Size
2006	1 1/2
2007	2
2424	3
2430	4
2437	5
2445	6
2460	8
2477	10
2493	12

MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

ORDERING:
Specify figure number and O.D. tube size.

O.D. Tube Clamp

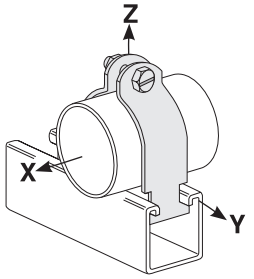
Fig. Number	O.D. Size	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
				X	Y	Z	
2401	1/4	100	16 Ga.	50	50	400	.09
2402	3/8	100	16 Ga.	50	50	400	.09
2403	1/2	100	16 Ga.	50	50	400	.10
2404	5/8	100	16 Ga.	50	50	400	.10
2405	3/4	100	16 Ga.	50	50	400	.10
2406	7/8	100	16 Ga.	50	50	400	.10
2407	1	100	14 Ga.	75	75	600	.13
2408	1 1/8	100	14 Ga.	75	75	600	.14
2409	1 1/4	100	14 Ga.	75	75	600	.14
2410	1 3/8	100	14 Ga.	75	75	600	.16
2411	1 1/2	100	14 Ga.	75	75	600	.16
2412	1 5/8	100	14 Ga.	75	75	600	.17
2413	1 3/4	50	12 Ga.	125	125	800	.27
2414	1 7/8	50	12 Ga.	125	125	800	.28
2415	2	50	12 Ga.	125	125	800	.28
2416	2 1/8	50	12 Ga.	125	125	800	.29
2417	2 1/4	50	12 Ga.	125	125	800	.32
2418	2 1/2	50	12 Ga.	125	125	800	.34
2419	2 5/8	50	12 Ga.	125	125	800	.35
2420	2 3/4	50	12 Ga.	125	125	800	.37
2421	3	50	12 Ga.	125	125	800	.39
2422	3 1/8	50	12 Ga.	125	125	800	.40
2423	3 1/4	50	12 Ga.	125	125	800	.42
2424	3 3/8	50	12 Ga.	125	125	800	.43
2425	3 5/8	50	11 Ga.	150	200	1000	.51
2426	3 3/4	50	11 Ga.	150	200	1000	.53
2427	3 7/8	50	11 Ga.	150	200	1000	.54
2428	4 1/8	50	11 Ga.	150	200	1000	.57
2429	4 1/4	25	11 Ga.	150	200	1000	.59
2430	4 3/8	25	11 Ga.	150	200	1000	.60
2431	4 5/8	25	11 Ga.	150	200	1000	.62
2432	4 3/4	25	11 Ga.	150	200	1000	.64
2433	4 7/8	25	11 Ga.	150	200	1000	.65
2434	5	25	11 Ga.	150	200	1000	.67
2435	5 1/8	25	11 Ga.	150	200	1000	.68

O.D. Tube Clamp - Cont'd.

2436-2461

Fig. Number	O.D. Size	Std. Package	Material Size	Max. Rec. Loads (in Lbs.) X	Y	Z	Wt. Each (in Lbs.)
2436	5 1/4	25	11 Ga.	150	200	1000	.70
2437	5 3/8	25	11 Ga.	150	200	1000	.71
2438	5 1/2	25	11 Ga.	150	200	1000	.72
2439	5 5/8	25	11 Ga.	150	200	1000	.85
2440	5 3/4	25	11 Ga.	150	200	1000	.87
2441	5 7/8	25	11 Ga.	150	200	1000	.88
2442	6	25	11 Ga.	150	200	1000	.90
2443	6 1/8	25	11 Ga.	200	250	1000	.94
2444	6 1/4	25	11 Ga.	200	250	1000	.93
2445	6 3/8	25	11 Ga.	200	250	1000	.95
2446	6 1/2	25	11 Ga.	200	250	1000	.98
2447	6 3/4	25	11 Ga.	200	250	1000	.99
2448	6 7/8	25	11 Ga.	200	250	1000	1.00
2449	7	25	11 Ga.	200	250	1000	1.01
2450	7 1/8	25	11 Ga.	200	250	1000	1.02
2451	7 1/4	25	11 Ga.	200	250	1000	1.04
2452	7 3/8	25	11 Ga.	200	250	1000	1.07
2453	7 1/2	25	11 Ga.	200	250	1000	1.09
2454	7 5/8	25	11 Ga.	200	250	1000	1.10
2455	7 3/4	25	11 Ga.	200	250	1000	1.12
2456	7 7/8	25	11 Ga.	200	250	1000	1.13
2457	8	25	11 Ga.	200	250	1000	1.15
2458	8 1/8	25	11 Ga.	200	250	1000	1.17
2459	8 1/4	25	11 Ga.	200	250	1000	1.18
2460	8 3/8	25	11 Ga.	200	250	1000	1.20
2461	8 1/2	25	11 Ga.	200	250	1000	1.21

Available in aluminum and stainless steel. Price on request. To order aluminum, add suffix AL to fig. number. To order stainless steel, specify 304 or 316 and add suffix SS to fig. number.



MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

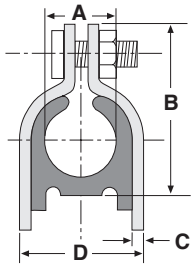
ORDERING:
Specify figure number and O.D. tube size.

Clamp With Cushion

2501-2514

Fig. Number	O.D. Size A	Nom. Tube Size	B	C	D	Std. Package	Wt. Each (in Lbs.)
2501	1/4	1/8	1 1/16	.060	1/2	30	.12
2502	3/8	1/4	1 1/4	.060	5/8	30	.13
2503	1/2	3/8	1 3/8	.060	3/4	30	.13
2504	5/8	1/2	1 1/2	.060	7/8	20	.15
2505	3/4	5/8	1 3/4	.075	1 1/8	20	.21
2506	7/8	3/4	1 7/8	.075	1 1/4	20	.22
2507	1 1/8	1	2 1/16	.075	1 1/2	10	.29
2508	1 3/8	1 1/4	2 7/16	.075	1 3/4	10	.33
2509	1 5/8	1 1/2	3	.105	2 1/4	10	.42
2510	2 1/8	2	3 3/8	.105	2 3/4	10	.50
2511	2 5/8	2 1/2	3 7/8	.105	3 1/4	10	.62
2512	3 1/8	3	4 5/16	.105	3 3/4	10	.66
2514	4 1/8	4	5 1/2	.125	4 3/4	10	.88

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.



MATERIAL:
Low carbon steel

FINISH:
Western gold

ORDERING:
Specify figure number and O.D. size.

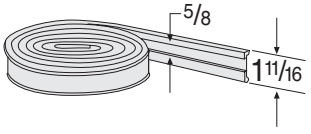
Cushion Material

2600

MATERIAL:
EPDM

STOCK:
Thickness: 1/8
Length: 25 ft./box

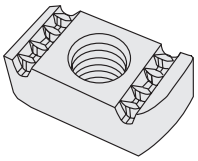
Service Temp: -70° to 350°F
Weight per ft: .102



ORDERING: Specify figure number and number of feet.

3001-3011

Strut Nut without Spring



MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

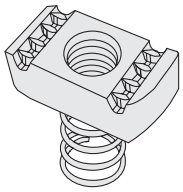
ORDERING: Specify figure number and thread size.

Fig. Number	Thread Size	Std. Package	Thickness	Weight Each (in Lbs.)
3001	#8-32	100	1/4	.06
3002	#10-24	100	1/4	.06
3003	#10-32	100	1/4	.06
3004*	1/4	100	1/4	.06
3005	5/16	100	1/4	.07
3006*	3/8	100	3/8	.09
3007	7/16	100	3/8	.09
3008*	1/2	100	1/2	.12
3009	5/8	100	1/2	.13
3010	3/4	100	1/2	.13
3011	7/8	100	1/2	.13

Available in stainless steel. To order, specify 316 and add suffix SS to fig. number. Price on request.
***Available in aluminum. To order, add suffix AL to fig. number. Price on request.**

3101-3111

Strut Nut with Spring



MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

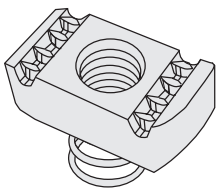
ORDERING: Specify figure number and thread size.

Fig. Number	Thread Size	Std. Package	Thickness	Weight Each (in Lbs.)
3101	#8-32	100	1/4	.07
3102	#10-24	100	1/4	.07
3103	#10-32	100	1/4	.07
3104*	1/4	100	1/4	.07
3105	5/16	100	1/4	.07
3106*	3/8	100	3/8	.10
3107	7/16	100	3/8	.10
3108*	1/2	100	1/2	.13
3109	5/8	50	1/2	.15
3110	3/4	50	1/2	.15
3111	7/8	50	1/2	.15

Available in stainless steel. To order, specify 316 and add suffix SS to fig. number. Price on request.
***Available in aluminum. To order, add suffix AL to fig. number. Price on request.**

3201-3210

Strut Nut with Short Spring



MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

Fig. Number	Thread Size	Std. Package	Thickness	Weight Each (in Lbs.)
3201	#8-32	100	1/4	.07
3202	#10-24	100	1/4	.07
3203	#10-32	100	1/4	.07
3204	1/4	100	1/4	.07
3205	5/16	100	1/4	.07
3206	3/8	100	3/8	.09
3207	7/16	100	3/8	.09
3208	1/2	100	3/8	.09
3209	5/8	50	3/8	.10
3210	3/4	50	3/8	.10

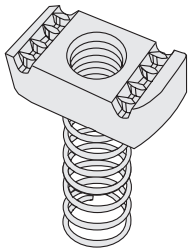
ORDERING: Specify figure number and thread size.

Strut Nuts

Strut Nut with Long Spring

3301-3311

Fig. Number	Thread Size	Std. Package	Thickness	Weight Each (in Lbs.)
3301	#8-32	100	1/4	.07
3302	#10-24	100	1/4	.07
3303	#10-32	100	1/4	.07
3304	1/4	100	1/4	.07
3305	5/16	100	1/4	.07
3306	3/8	100	3/8	.10
3307	7/16	100	3/8	.09
3308	1/2	100	1/2	.13
3309	5/8	50	1/2	.15
3310	3/4	50	1/2	.15
3311	7/8	50	1/2	.14



ORDERING: Specify figure number and thread size.

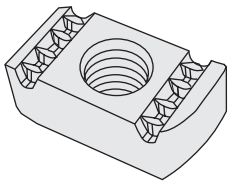
MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

Shallow Strut Nut without Spring

3351-3353

Fig. Number	Thread Size	Std. Package	Thickness	Weight Each (in Lbs.)
3351	1/2	100	3/8	.09
3352	5/8	100	3/8	.11
3353	3/4	100	3/8	.09



ORDERING: Specify figure number and thread size.

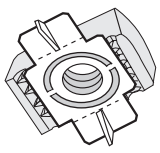
MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

Squeeze Nut

3404-3408

Fig. Number	Thread Size	Std. Package	Wt. Each (in Lbs.)
3404	1/4	100	.07
3406	3/8	100	.10
3408	1/2	100	.13



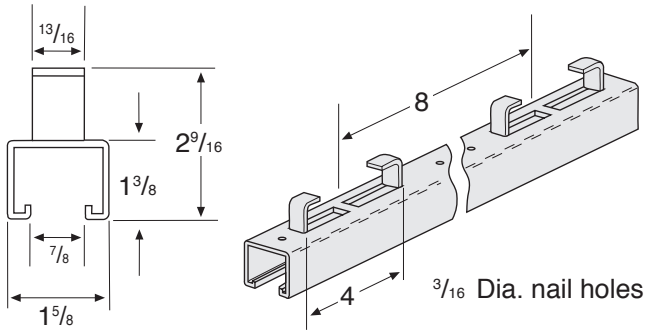
ORDERING: Specify figure number and thread size.
NOTE: Fits all profiles of strut

MATERIAL:
Low carbon steel

FINISH:
Electro-galvanized

Continuous Concrete Insert

4001-4002
1⅝" X 1⅜" X 12 Gauge



MATERIAL: Low carbon steel

FINISH: Pre-galvanized

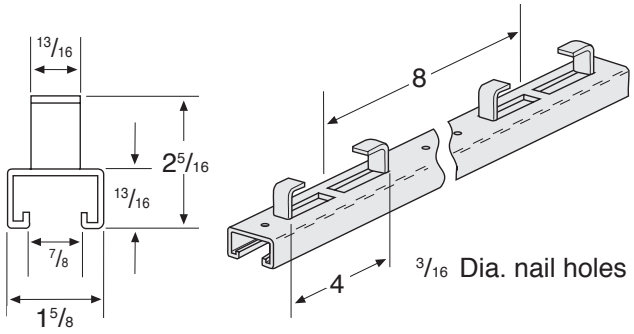
ORDERING: Available in various lengths. Specify length and figure number.

Fig. Number	Length (feet)	Max. Rec. Load/Lbs./ft.	Wt. Per Foot	Bundle Qty.
4001	10	2000	1.79	240
4002	20	2000	1.78	480

Note: Furnished with styrofoam filler.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

4101-4102
1⅝" X 13/16" X 12 Gauge



MATERIAL: Low carbon steel

FINISH: Pre-galvanized

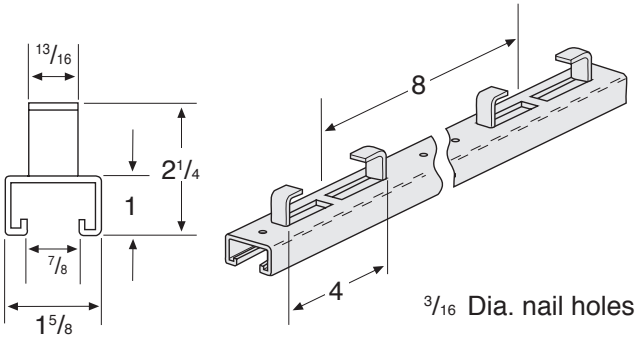
ORDERING: Available in various lengths. Specify length and figure number.

Fig. Number	Length (feet)	Max. Rec. Load/Lbs./ft.	Wt. Per Foot	Bundle Qty.
4101	10	1500	1.34	240
4102	20	1500	1.35	480

Note: Furnished with styrofoam filler.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

4201-4202
1⅝" X 1" X 12 Gauge



MATERIAL: Low carbon steel

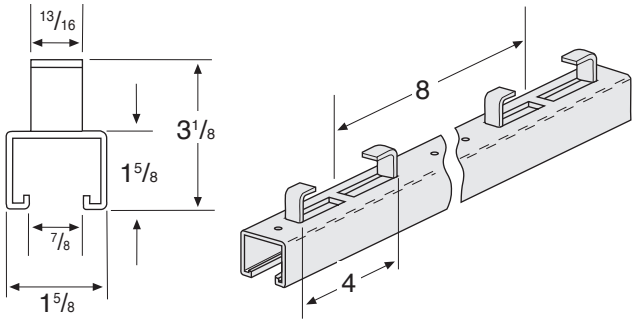
FINISH: Pre-galvanized

ORDERING: Available in various lengths. Specify length and figure number.

Fig. Number	Length (feet)	Max. Rec. Load/Lbs./ft.	Wt. Per Foot	Bundle Qty.
4201	10	2000	1.52	240
4202	20	2000	1.51	480

Note: Furnished with styrofoam filler.

4301-4302
1⅝" X 1⅝" X 12 Gauge



MATERIAL: Low carbon steel

FINISH: Pre-galvanized

ORDERING: Available in various lengths. Specify length and figure number.

Fig. Number	Length (feet)	Max. Rec. Load/Lbs./ft.	Wt. Per Foot	Bundle Qty.
4301	10	2000	1.99	240
4302	20	2000	1.99	480

Note: Furnished with styrofoam filler.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

4405-4420

Type A End Caps

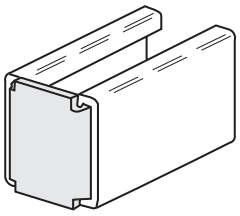


Fig. Number	Std. Package	Use With Fig. Numbers	Wt. Each (in Lbs.)
4405	100	1000 & 4300	.10
4406	100	1300	.05
4410	100	1700 & 4000	.08
4420	100	1400 & 4200	.08

ORDERING: Specify figure number.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: Low carbon steel
FINISH: Electro-galvanized

4440-4470

Type B End Caps

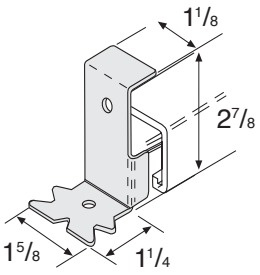


Fig. Number	Std. Package	Use With Fig. Numbers	Wt. Each (in Lbs.)
4440	100	4000	.15
4450	100	4200	.15
4460	100	4100	.15
4470	100	4300	.15

ORDERING: Specify figure number.

MATERIAL: Low carbon steel
FINISH: Electro-galvanized

4500

Plastic Closure Strip

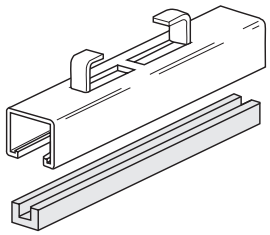


Fig. Number	Std. Length (feet)	Wt. Per Foot (in Lbs.)
4500	10	.14

ORDERING: Specify figure number.

MATERIAL: Plastic
FINISH: Plain

5000-5004
Square Washer

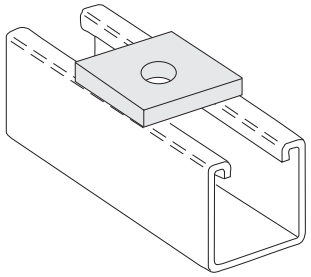


Fig. Number	Rod Size	Std. Package	Wt. Each (in Lbs.)
5000	1/4	100	.18
5001	3/8	100	.17
5002	1/2	100	.17
5003	5/8	100	.16
5004	3/4	100	.16

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and rod size.

5005-5009
No Turn Square Washer

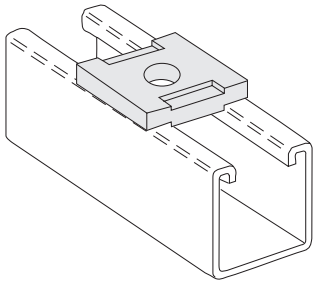


Fig. Number	Rod Size	Std. Package	Wt. Each (in Lbs.)
5005	1/4	100	.18
5006	3/8	100	.17
5007	1/2	100	.17
5008	5/8	100	.16
5009	3/4	100	.16

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and rod size.

5010-5012
2-Hole Splice Plate

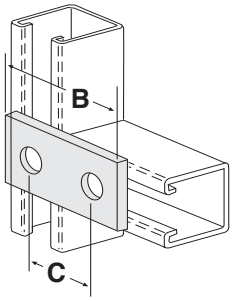


Fig. Number	Length B	C	Std. Package	Wt. Each (in Lbs.)
5010	3 1/2	1 7/8	50	.37
5011	4 5/8	2 1/2	50	.50
5012	3 1/4	1 5/8	50	.34

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia. • 13/16 from end

5013-5014
3-Hole Splice Plate

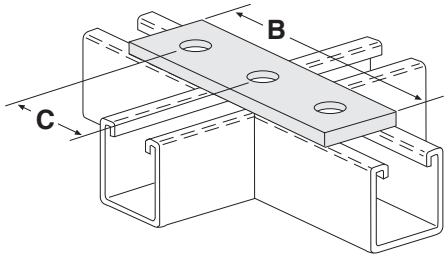


Fig. Number	Length B	C	Std. Package	Wt. Each (in Lbs.)
5013	5 3/8	1 7/8	25	.55
5014	4 7/8	1 5/8	25	.50

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia. • 13/16 from end

5015
4-Hole Splice Plate

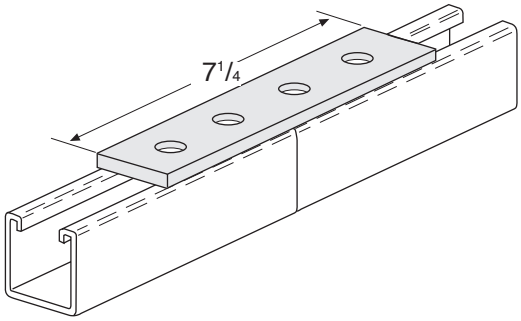


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5015	50	.75

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5017
4-Hole Splice Plate

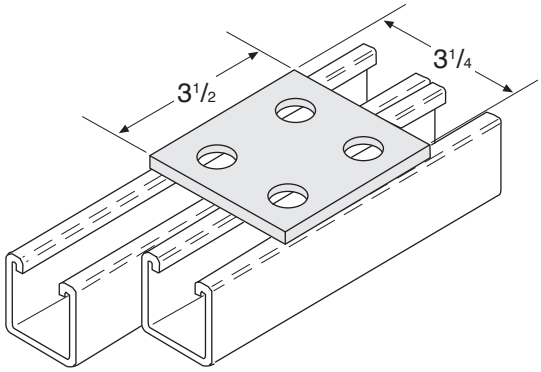


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5017	50	.55

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5019
5-Hole Splice Plate

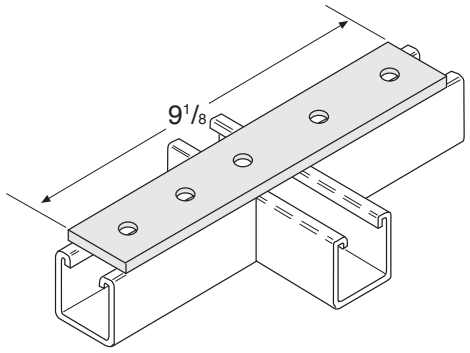


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5019	50	.96

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5020
2-Hole Swivel Plate

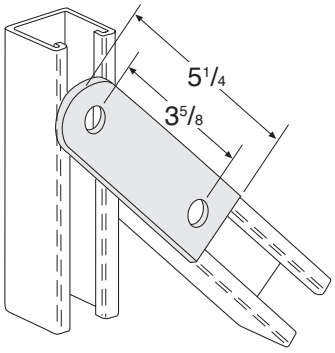


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5020	50	.56

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end

5023
3-Hole Swivel Plate

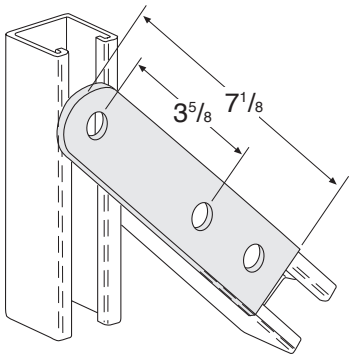


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5023	50	.76

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5025
3-Hole Corner Plate

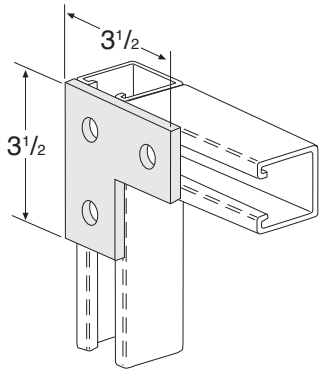


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5025	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5030
4-Hole Corner Plate

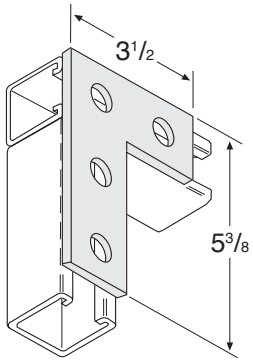


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5030	25	.75

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5035
4-Hole Tee Plate

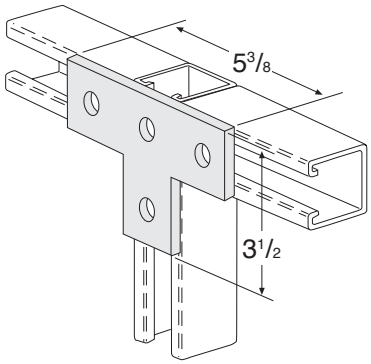


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5035	25	.75

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5040
5-Hole Cross Plate

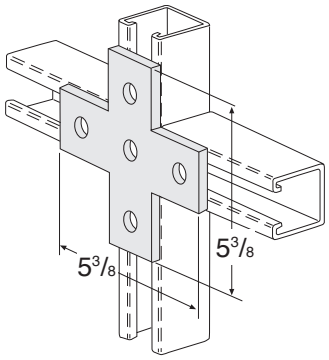


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5040	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5045
3-Hole Corner Gusset Plate

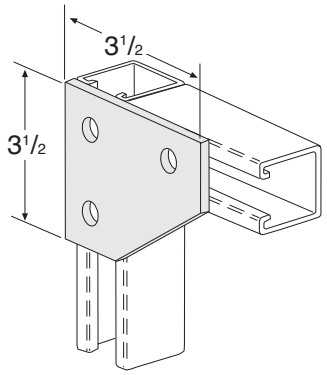


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5045	25	.70

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5050
4-Hole Corner Gusset Plate

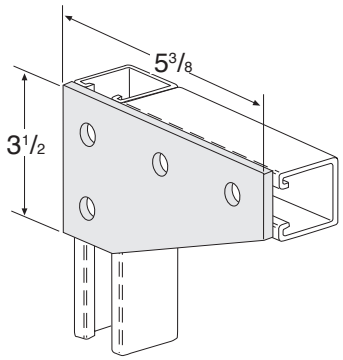


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5050	25	1.02

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5060
5-Hole Corner Gusset Plate

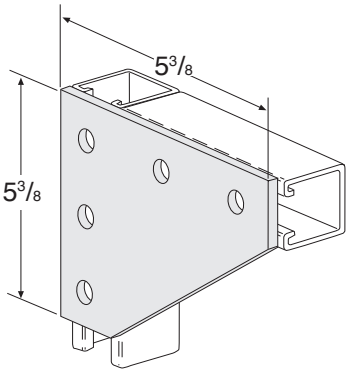


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5060	25	1.45

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5065
3-Hole Tee Gusset Plate

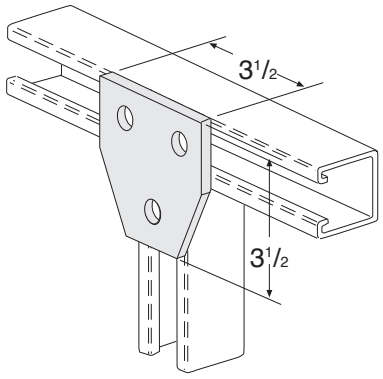


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5065	25	.70

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5075
4-Hole Tee Gusset Plate

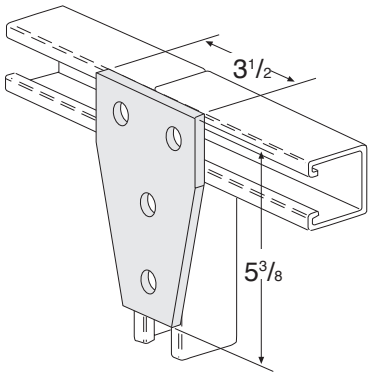


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5075	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5080
5-Hole Tee Gusset Plate

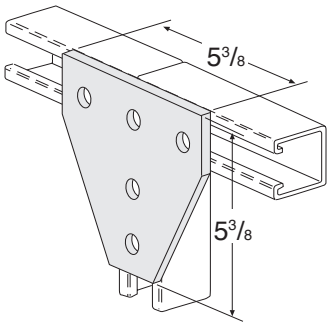


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5080	25	1.43

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5085
6-Hole Tee Gusset Plate

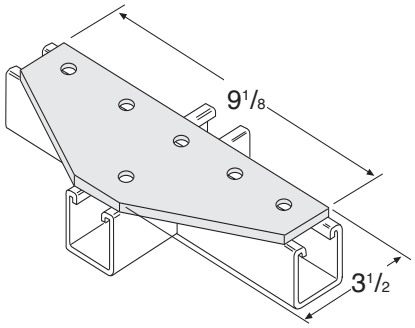


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5085	10	1.49

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5090
6-Hole Cross Gusset Plate

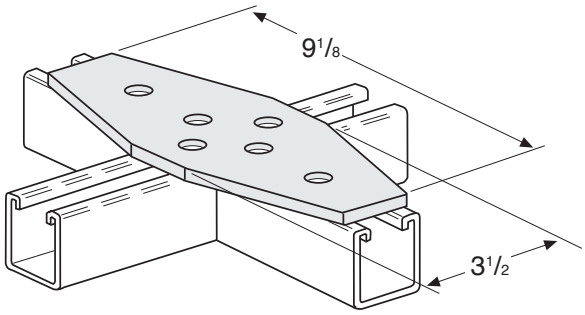


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5090	10	1.66

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5095
7-Hole Cross Gusset Plate

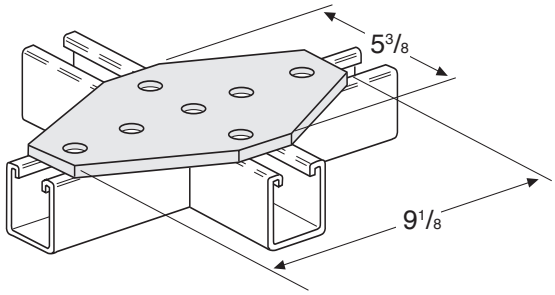


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5095	10	2.32

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

90° Fittings

5101-5107
1-Hole Angle

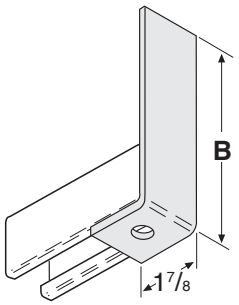


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5101	3 7/8	50	.48
5103	5 7/8	25	.83
5105	7 7/8	25	1.05
5107	9 7/8	25	1.30

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia. • 13/16 from end

5110
2-Hole Corner Angle

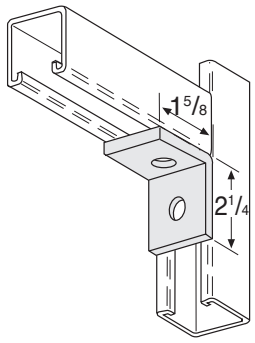


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5110	50	.36

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end

5112
2-Hole Corner Angle

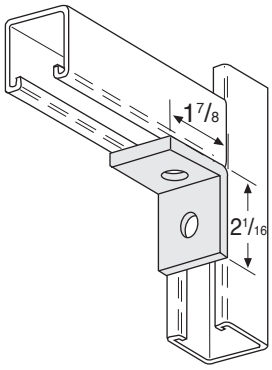


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5112	50	.37

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end

5115-5118
2-Hole Corner Angle

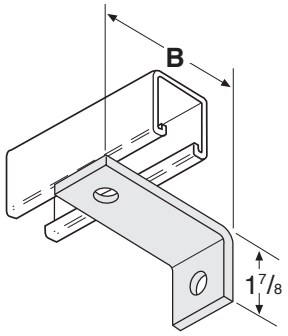


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5115	3	50	.49
5116	3 1/2	50	.54
5118	4	50	.61

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia. • 13/16 from end

5119
"No-Turn" 2-Hole Corner Angle

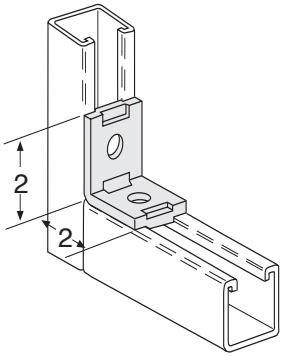


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5119	50	.40

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5120
3-Hole Corner Angle

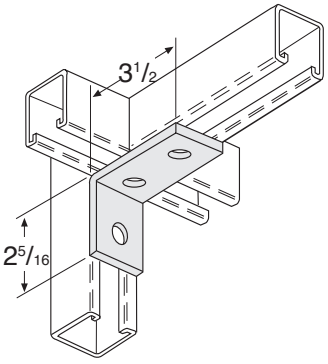


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5120	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.
MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5121
3-Hole Corner Angle

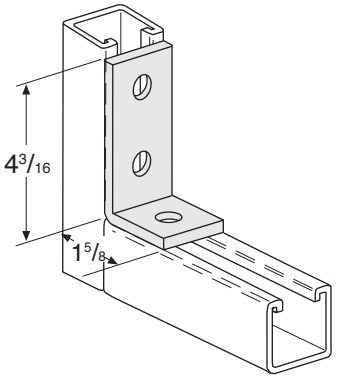


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5121	25	.50

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.
MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5122
3-Hole Corner Angle

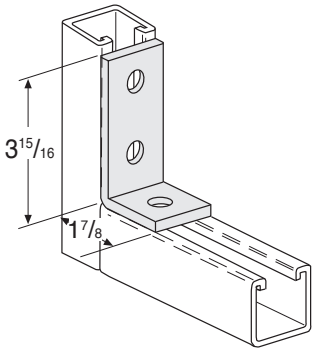


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5122	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.
MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5123
3-Hole Corner Angle

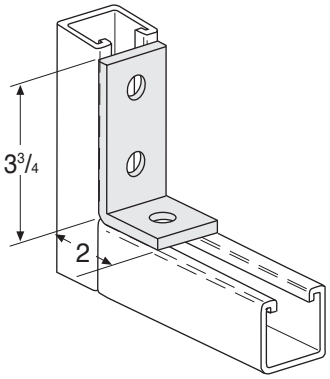


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5123	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5130
4-Hole Corner Angle

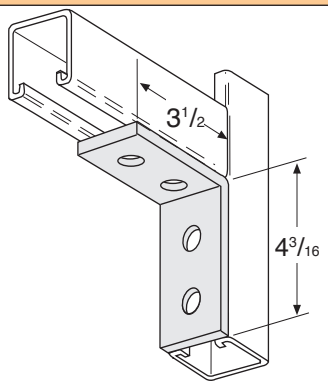


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5130	25	.78

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5131
4-Hole Corner Angle

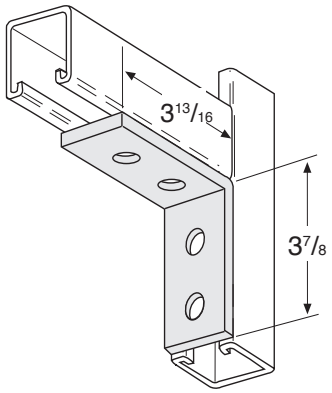


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5131	25	.76

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5135
4-Hole Corner Angle

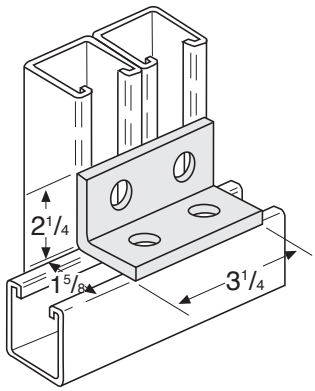


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5135	25	.73

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 5/8 on centers

5140 & 5145
3-Hole Offset Bent Angle

Fig. 5140 Right
Fig. 5145 Left

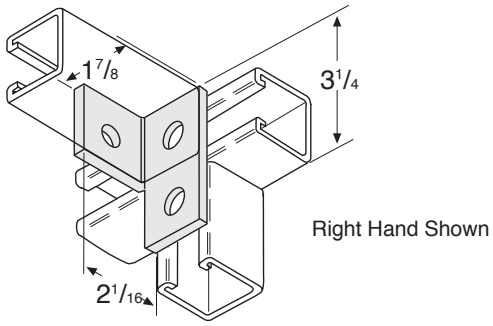


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5140	25	.53
5145	25	.53

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 5/8 on centers

5141 & 5146
3-Hole Offset Bent Angle

Fig. 5141 Right
Fig. 5146 Left

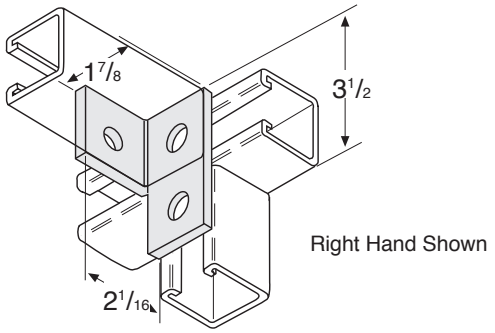


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5141	25	.53
5146	25	.53

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5148
3-Hole Offset Bent Tee

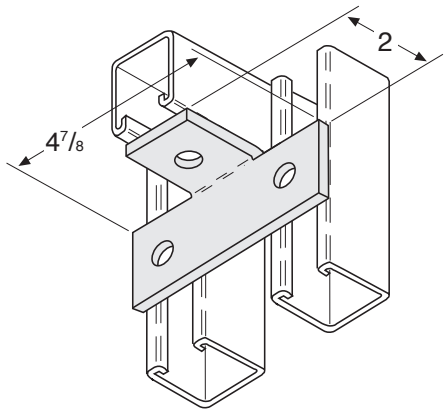


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5148	25	.71

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5150
4-Hole Offset Bent Tee

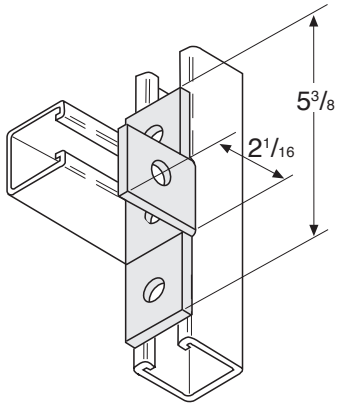
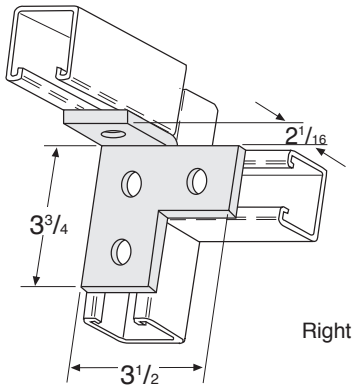


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5150	25	.77

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5155 & 5156
4-Hole Offset Bent Tee

Fig. 5155 Right
Fig. 5156 Left



Right Hand Shown

Fig. Number	Std. Package	Wt. Each (in Lbs.)
5155	25	.76
5156	25	.76

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5160
5-Hole Offset Bent Tee

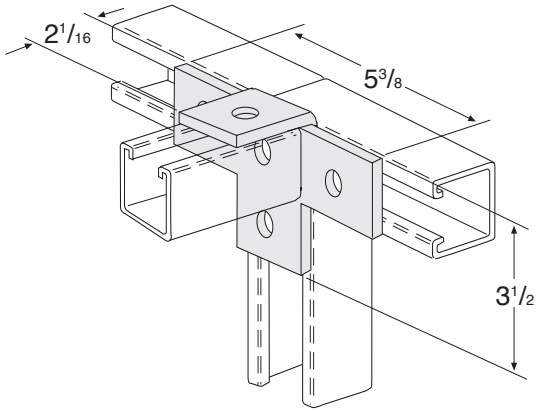


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5160	25	1.00

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5165
Universal Shelf Bracket

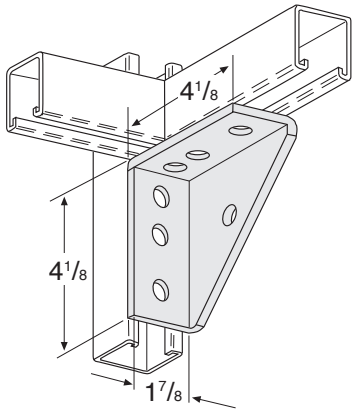


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5165	15	1.51

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 1/4 on centers

5166
Universal Welded Shelf Bracket

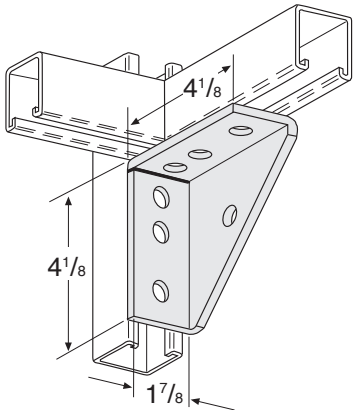


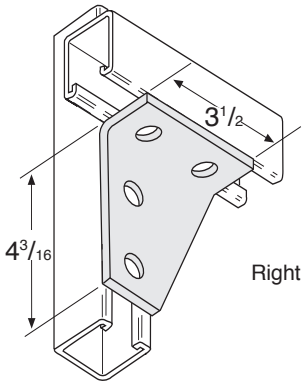
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5166	15	1.53

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 1/4 on centers

5170 & 5175
4-Hole Corner Gusset

Fig. 5170 Right
Fig. 5175 Left



Right Hand Shown

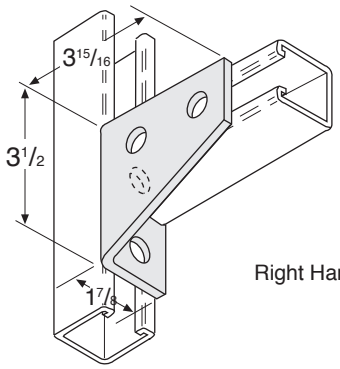
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5170	25	1.00
5175	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5171 & 5176
4-Hole Corner Gusset

Fig. 5171 Right
Fig. 5176 Left



Right Hand Shown

Fig. Number	Std. Package	Wt. Each (in Lbs.)
5171	25	1.00
5176	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5180
3-Hole Gussetted Shelf Angle

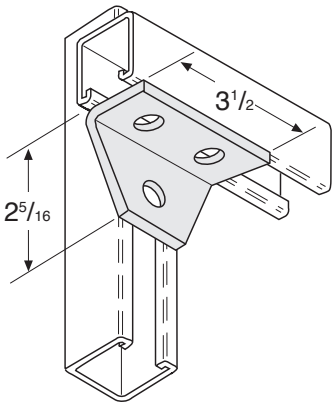


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5180	25	.72

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5185
4-Hole Gussetted Shelf Angle

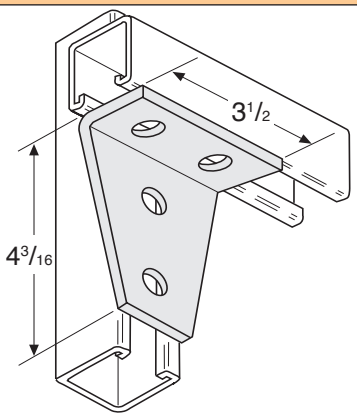


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5185	25	1.02

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5186
4-Hole Gussetted Shelf Angle

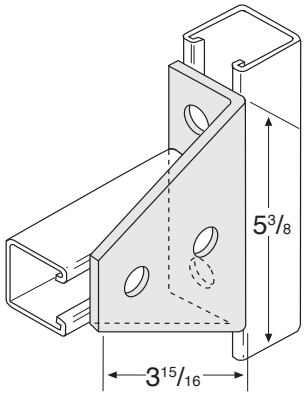


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5186	25	1.48

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5190
5-Hole Gussetted Shelf Angle

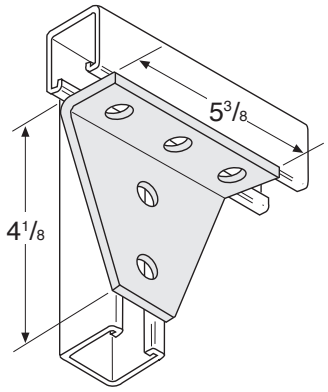


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5190	10	1.98

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5200
4-Hole Joint Angle Connector

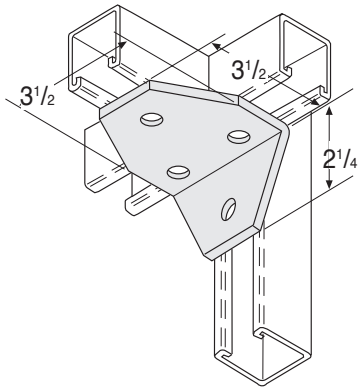


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5200	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5205
5-Hole Joint Angle Connector

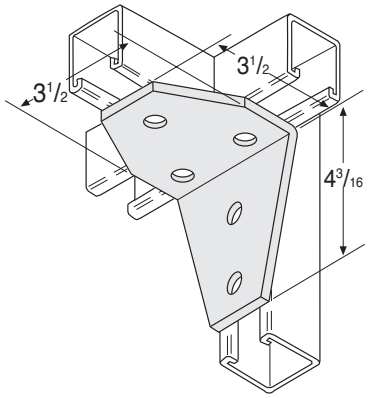


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5205	20	1.33

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5210 & 5211
6-Hole Gusseted Corner Connector

Fig. 5210 Right
Fig. 5211 Left

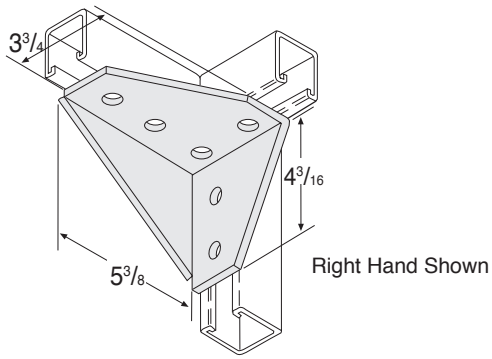


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5210	15	2.29
5211	15	2.29

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5220
2-Hole Adjustable Corner Angle

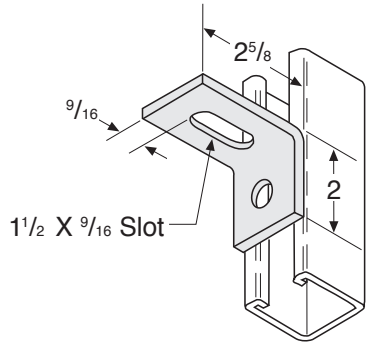


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5220	25	.42

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5221
2-Hole Adjustable Corner Angle

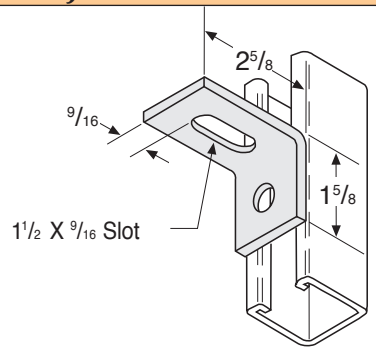


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5221	25	.36

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5225
2-Hole Adjustable Corner Angle

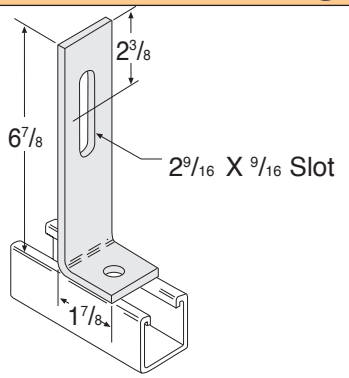


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5225	25	.85

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5226
2-Hole Adjustable Corner Angle

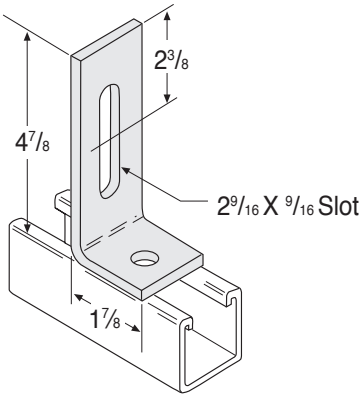


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5226	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5228
2-Hole Adjustable Corner Angle

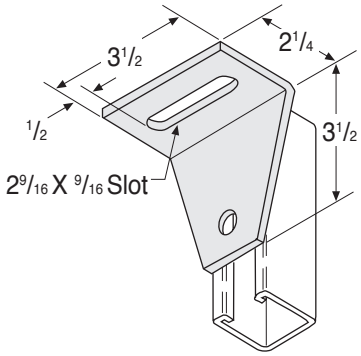


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5228	25	.97

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5230
3-Hole Adjustable Corner Angle

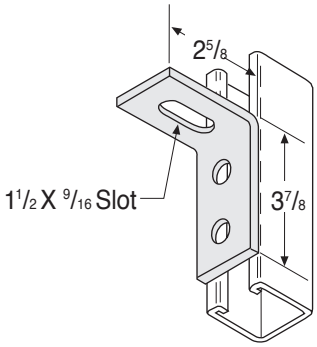


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5230	25	.59

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5250
4-Hole Adjustable Corner Angle

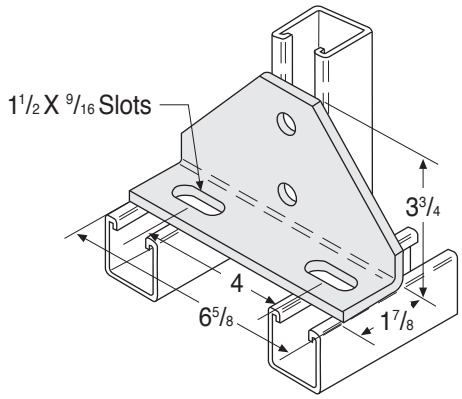


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5250	10	1.90

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5255
4-Hole Adjustable Corner Angle

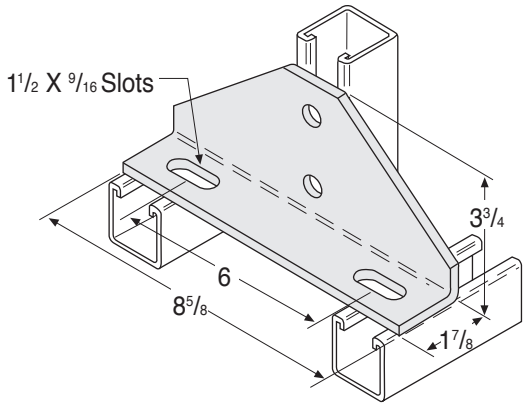


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5255	10	2.56

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5260
2-Hole Tapped Corner Angle

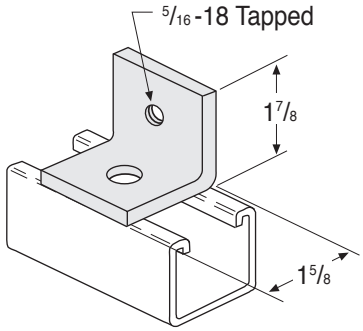


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5260	50	.33

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5270
2-Hole Bus Duct Angle

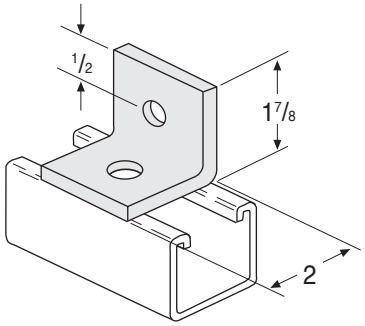


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5270	50	.37

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

5301-5315

2-Hole Open Angle Connector

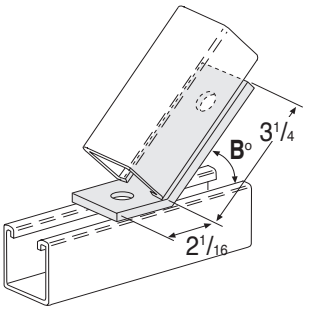


Fig. Number	Angle B°	Std. Package	Wt. Each (in Lbs.)
5301	7 1/2	25	.58
5302	15	25	.58
5303	22 1/2	25	.58
5304	30	25	.58
5306	37 1/2	25	.58
5307	52 1/2	25	.58
5308	60	25	.58
5309	67 1/2	25	.58
5310	75	25	.58
5311	82 1/2	25	.58
5315	45	25	.58

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and angle "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5340-5350

4-Hole Open Angle Connector

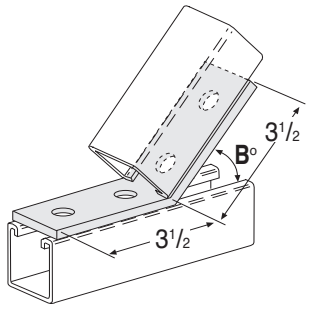


Fig. Number	Angle B°	Std. Package	Wt. Each (in Lbs.)
5340	7 1/2	25	.78
5341	15	25	.78
5342	22 1/2	25	.78
5343	30	25	.78
5344	37 1/2	25	.78
5345	45	25	.78
5346	52 1/2	25	.78
5347	60	25	.78
5348	67 1/2	25	.78
5349	75	25	.78
5350	82 1/2	25	.78

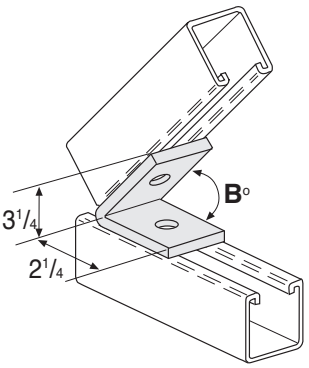
Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and angle "B".
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

2-Hole Closed Angle Connector

5360-5366

Fig. Number	Angle B°	Std. Package	Wt. Each (in Lbs.)
5360	37 1/2	25	.58
5361	45	25	.58
5362	52 1/2	25	.58
5363	60	25	.58
5364	67 1/2	25	.58
5365	75	25	.58
5366	82 1/2	25	.58



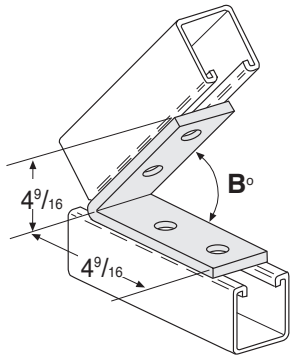
Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and angle "B".
HOLE DIM: 9/16 dia. • 13/16 from end

4-Hole Closed Angle Connector

5370-5376

Fig. Number	Angle B°	Std. Package	Wt. Each (in Lbs.)
5370	37 1/2	25	.95
5371	45	25	.95
5372	52 1/2	25	.95
5373	60	25	.95
5374	67 1/2	25	.95
5375	75	25	.95
5376	82 1/2	25	.95



Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and angle "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5410-5412

2-Hole 45° Knee Brace

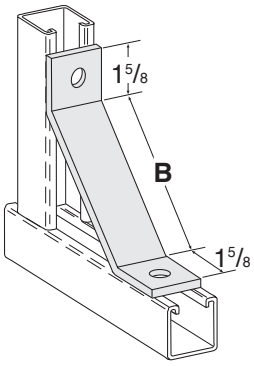


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5410	12	15	1.60
5411	16	Bulk	2.18
5412	18	Bulk	2.80

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5420-5427

2-Hole 45° Tubing Knee Brace

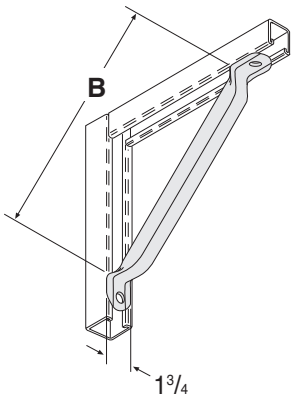


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5420	18	Bulk	1.45
5421	24	Bulk	1.86
5422	30	Bulk	2.25
5423	36	Bulk	2.66
5424	42	Bulk	3.07
5425	48	Bulk	3.48
5426	54	Bulk	3.89
5427	60	Bulk	4.30

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5430-5440

2-Hole Straight Tubing Brace

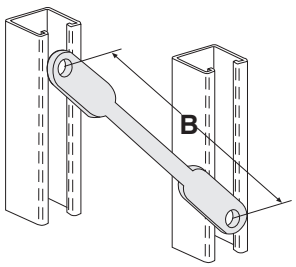


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5430	18	Bulk	1.33
5431	24	Bulk	1.74
5432	30	Bulk	2.15
5433	36	Bulk	2.56
5434	42	Bulk	2.95
5435	48	Bulk	3.35
5436	54	Bulk	3.80
5437	60	Bulk	4.20
5438	72	Bulk	5.00
5439	84	Bulk	5.85
5440	96	Bulk	6.70

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5501
3-Hole "U" Support

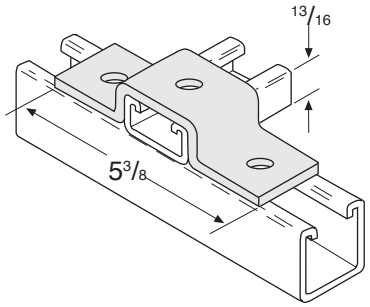


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5501	25	.66

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5503
5-Hole "U" Support

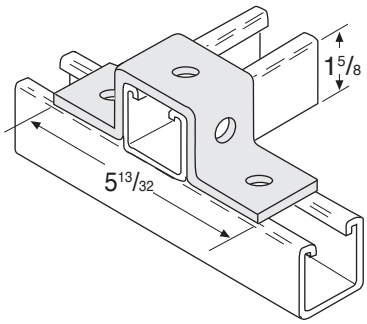


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5503	25	.85

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5505
3-Hole "U" Support

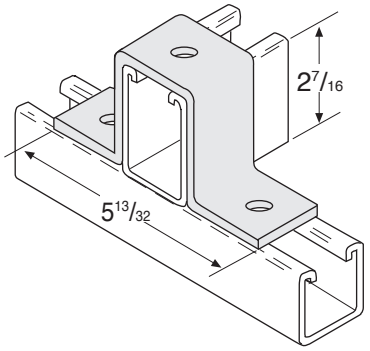


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5505	25	1.08

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5507
3-Hole "U" Support

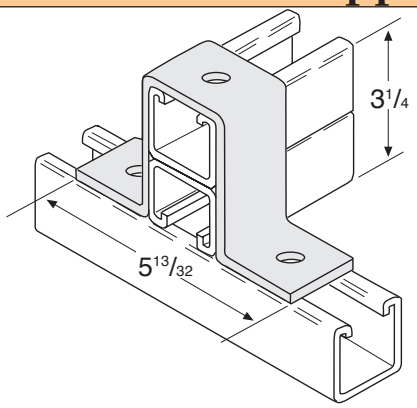


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5507	10	1.25

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5509
3-Hole "U" Support

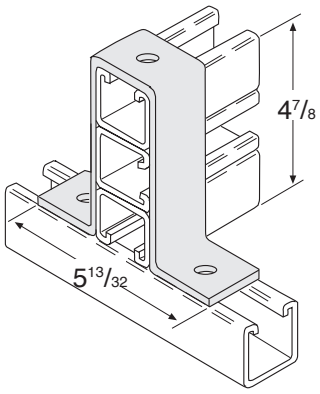


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5509	10	1.57

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5513
3-Hole "U" Support

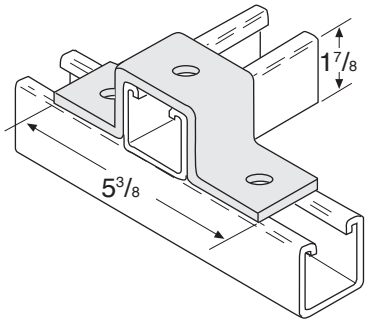


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5513	25	.95

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5517
5-Hole "U" Support

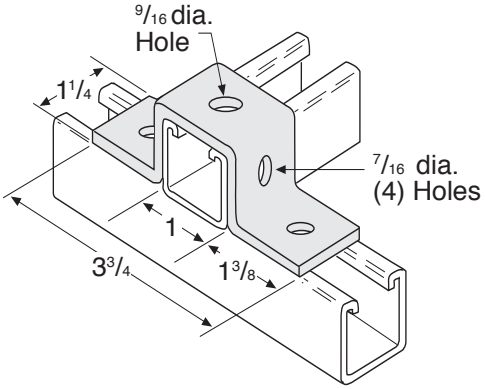


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5517	25	.51

MATERIAL: 7 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5521
6-Hole "U" Support

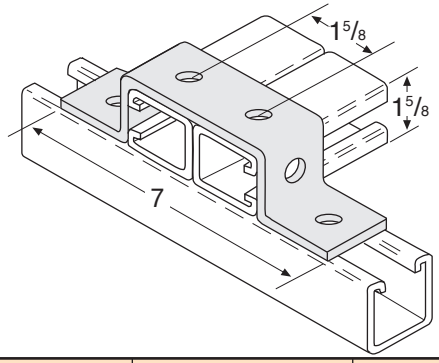


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5521	10	1.04

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5530-5532
Slotted 3-Hole "U" Support

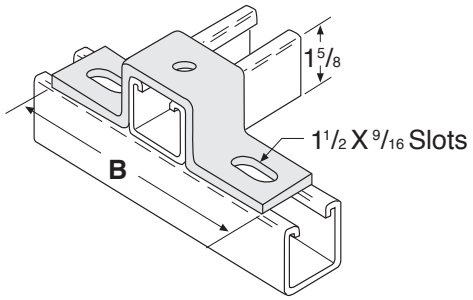


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5530	7 1/4	10	.96
5531	8 1/2	10	1.11
5532	10 3/8	10	1.29

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

5541
1 Stud Ring Connector

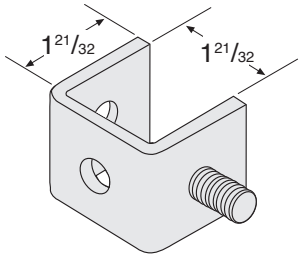


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5541	25	.53

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

5542
2 Stud Ring Connector

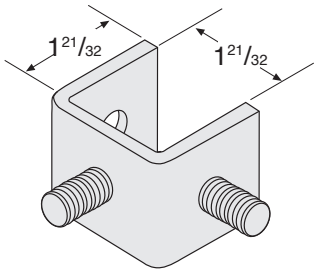


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5542	25	.59

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

5543
2 Stud Ring Connector

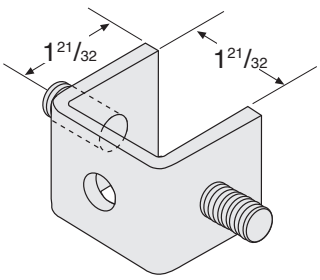


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5543	25	.59

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

"Z" Fittings

5550
2-Hole Offset "Z" Support

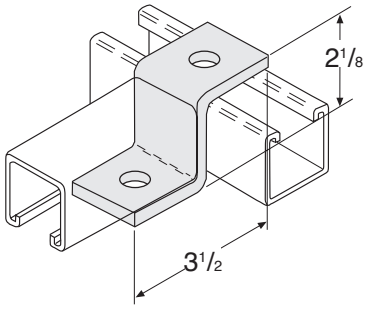


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5550	25	.55

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5551
2-Hole "Z" Support For #1200 Strut

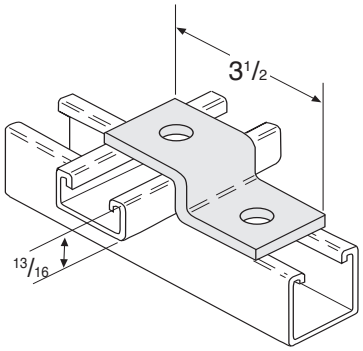


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5551	50	.47

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5552
3-Hole "Z" Support For #1500 Strut

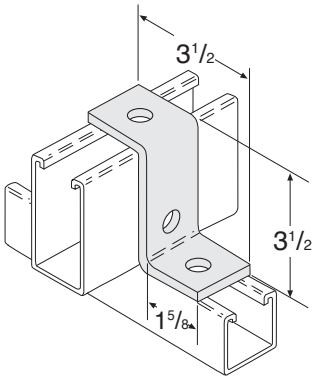


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5552	25	.70

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5553
2-Hole "Z" Support For #1600 Strut

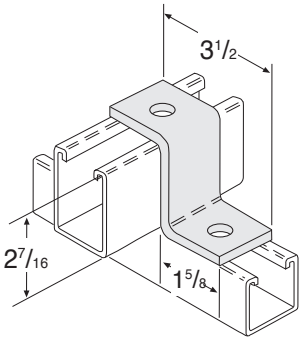


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5553	25	.67

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

"Z" Fittings

5554
3-Hole "Z" Support For #1000 Strut

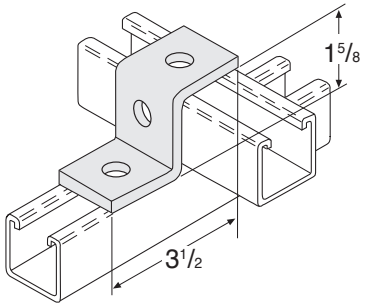


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5554	50	.51

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5556
2-Hole Offset "Z" Support

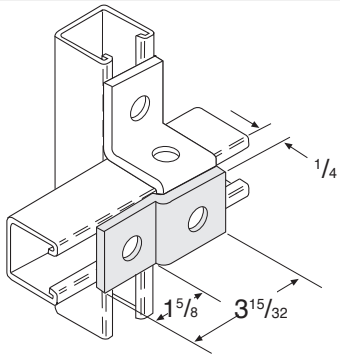


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5556	25	.38

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5558
2-Hole "Z" Support

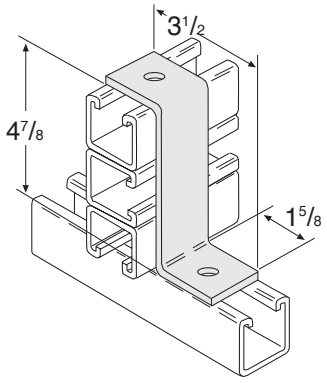


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5558	25	.90

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5560-5562
2 Hole "Z" Bus Duct Connection

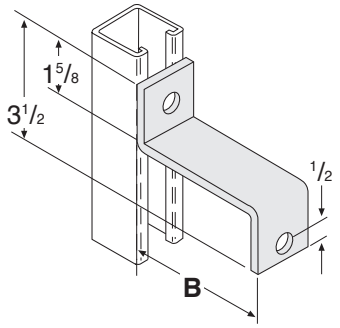


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5560	4 3/4	25	.89
5561	3 25/32	25	.78
5562	2 13/32	25	.62

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5565
Tapped "Z" Support

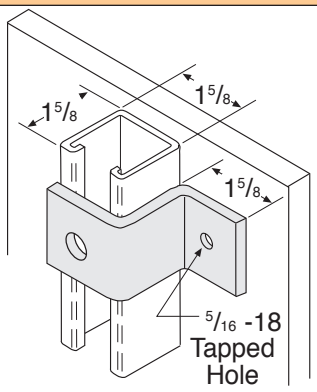


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5565	25	.51

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5570-5574
2-Hole "Z" Support

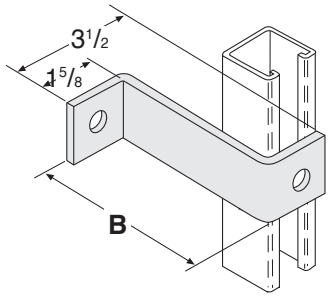


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5570	4	25	.77
5571	5	25	.95
5572	6	25	.98
5573	7	25	1.05
5574	8	25	1.20

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5575
3-Hole Sheath Corner Connection

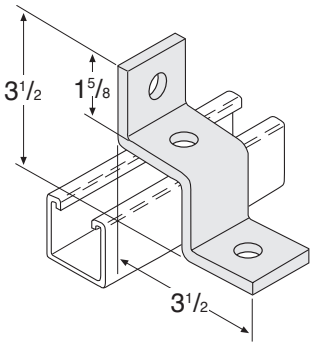


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5575	25	.68

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5580
Channel Hanger For #1000 Strut

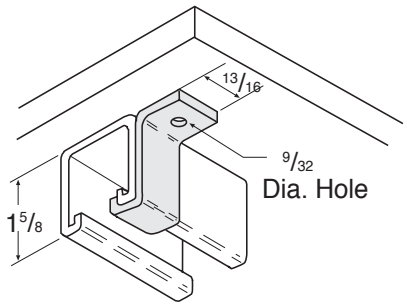


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5580	100	.09

MATERIAL: 11 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5581
Channel Hanger For #1200 Strut

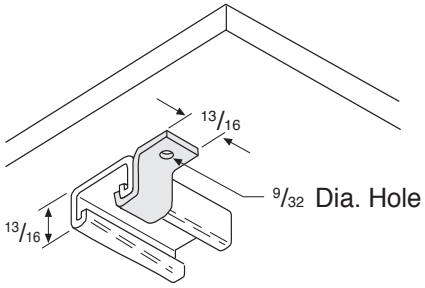


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5581	100	.07

MATERIAL: 11 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5582
Channel Hanger For #1500 Strut

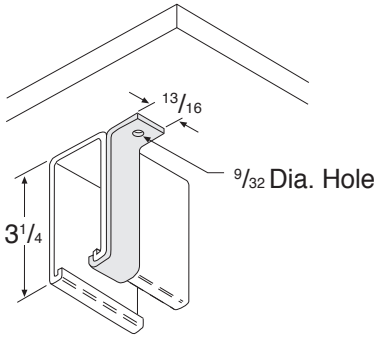


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5582	100	.13

MATERIAL: 11 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5583
Channel Hanger For #1600 Strut

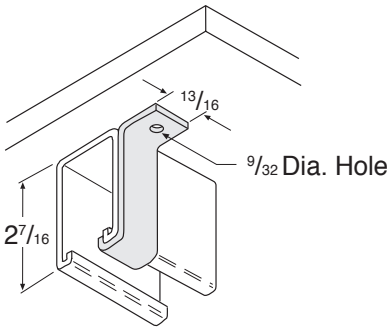


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5583	100	.11

MATERIAL: 11 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5590
Adjustable Offset Gusseted "Z" Support

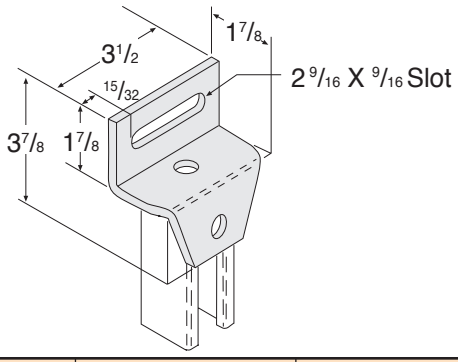


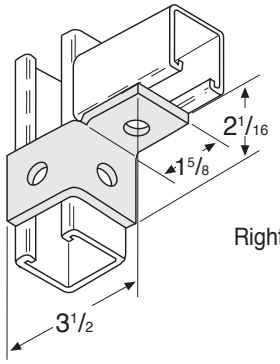
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5590	10	1.02

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5600 & 5601
3-Hole Corner Connector

Fig. 5600 Right
Fig. 5601 Left



Right Hand Shown

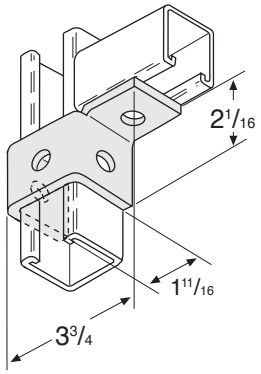
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5600	25	.60
5601	25	.60

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5605 & 5606
4-Hole Corner Connector

Fig. 5605 Right
Fig. 5606 Left



Right Hand Shown

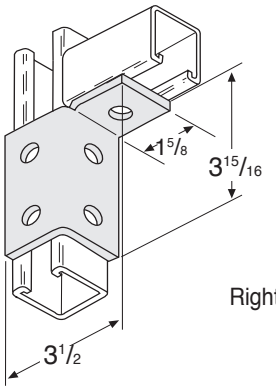
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5605	25	.70
5606	25	.70

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5610 & 5611
5-Hole Corner Connector

Fig. 5610 Right
Fig. 5611 Left



Right Hand Shown

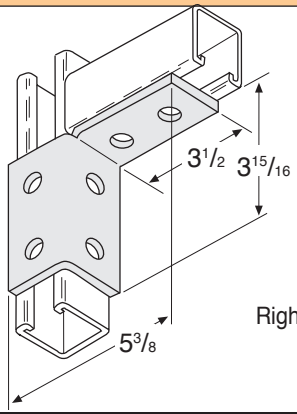
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5610	25	1.00
5611	25	1.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5615 & 5616
6-Hole Corner Connector

Fig. 5615 Right
Fig. 5616 Left



Right Hand Shown

Fig. Number	Std. Package	Wt. Each (in Lbs.)
5615	25	1.20
5616	25	1.20

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5620
4-Hole Double Corner Connector

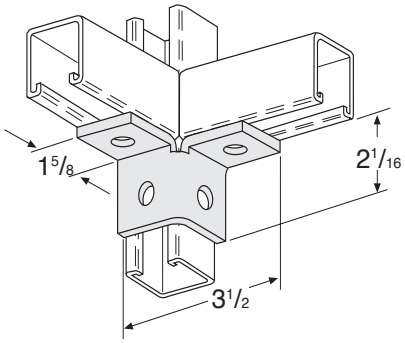


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5620	25	.76

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5625
6-Hole Double Corner Connector

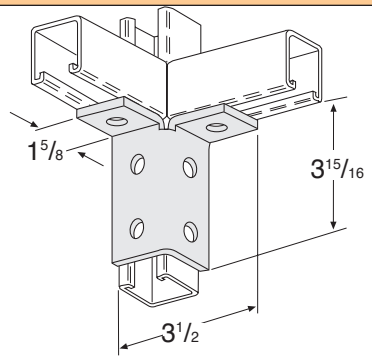


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5625	25	1.15

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5630
8-Hole Double Corner Connector

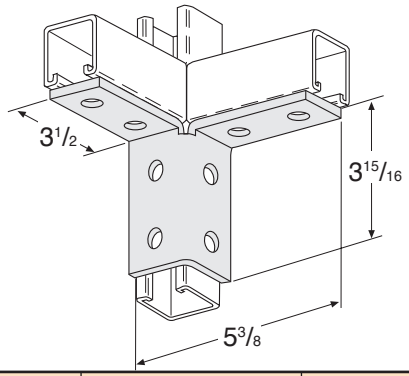


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5630	10	1.55

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5635
5-Hole Double Wing Connector

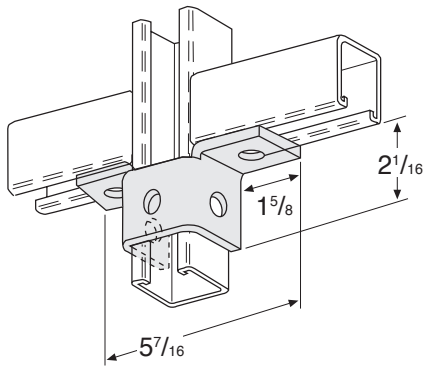


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5635	15	.93

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5640
8-Hole Double Wing Connector

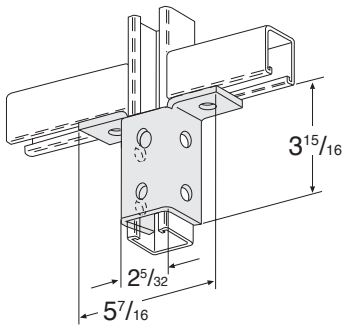


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5640	10	1.77

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5645
10-Hole Double Wing Connector

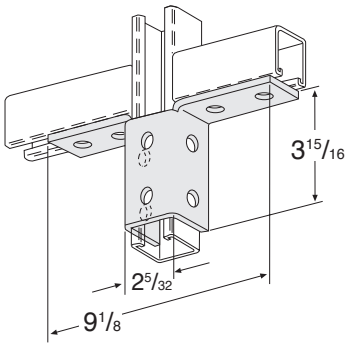


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5645	10	2.02

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5650
6-Hole Triple Wing Connector

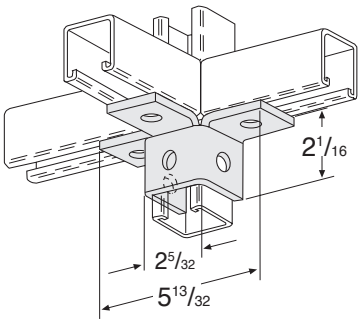


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5650	10	1.07

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5655
12-Hole Triple Wing Connector

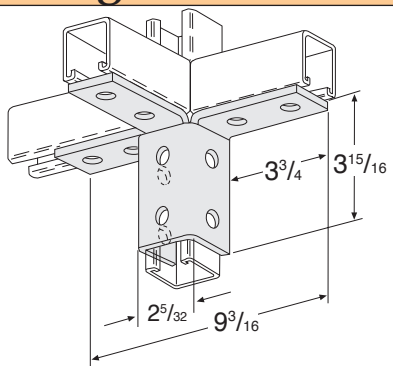


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5655	10	2.39

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5660
9-Hole Triple Wing Connector

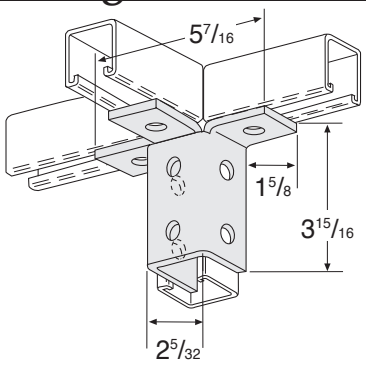


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5660	10	1.93

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5665
8-Hole Gussetted Double Corner Connector

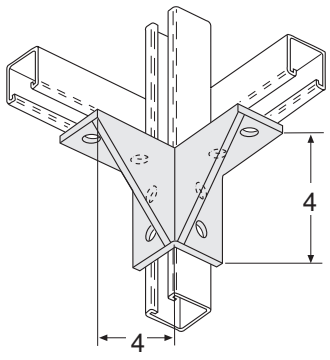


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5665	5	2.17

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5675
10-Hole Gussetted Double Corner Connector

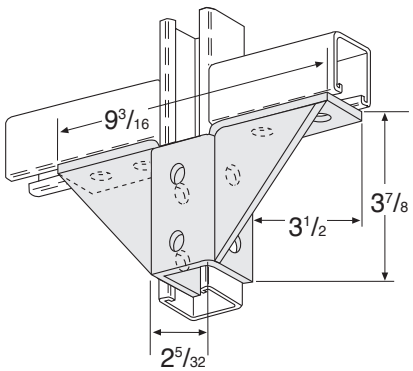


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5675	5	2.85

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5685
8-Hole Gussetted Double Corner Connector

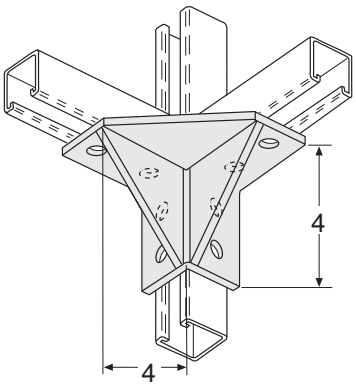


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5685	5	4.70

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5700-5704
1-Hole U Washer

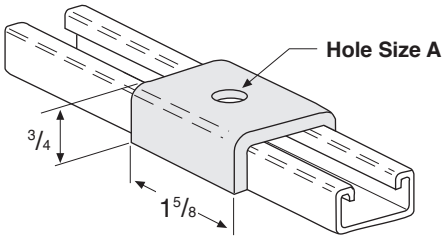


Fig. Number	Size	Hole Size A	Std. Package	Wt. Each (in Lbs.)
5700	1/4	5/16	100	.18
5701	3/8	7/16	100	.18
5702	1/2	9/16	100	.18
5703	5/8	11/16	100	.18
5704	3/4	13/16	100	.17

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 10 gauge

FINISH: Electro-galvanized

ORDERING: Specify figure number.

5705
2-Hole Splice Clevis For #1200 Strut

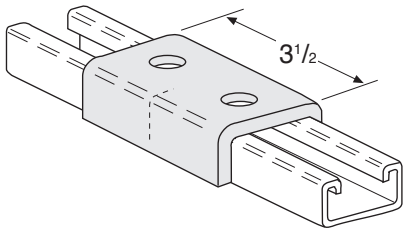


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5705	20	.78

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5710
3-Hole Splice Clevis For #1200 Strut

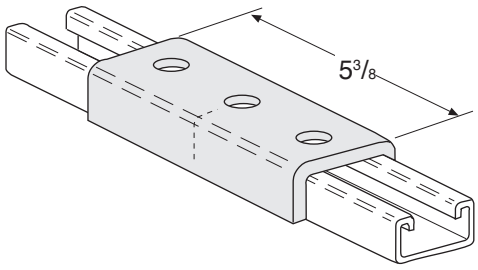


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5710	20	1.25

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5715
4-Hole Splice Clevis For #1200 Strut

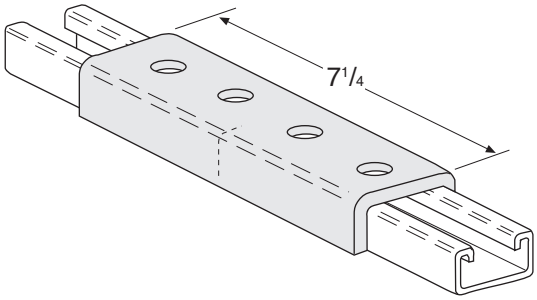


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5715	20	1.75

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5720
2-Hole Splice Clevis For #1000 Strut

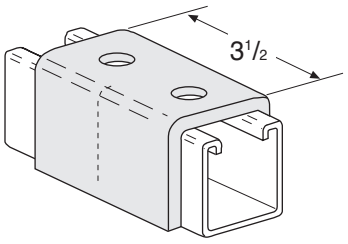


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5720	20	1.19

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5730
4-Hole Splice Clevis For #1000 Strut

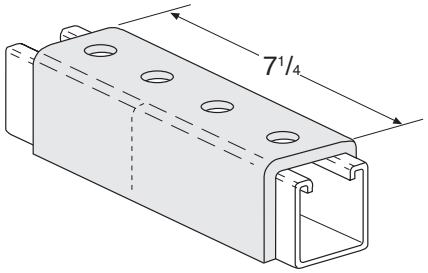


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5730	10	2.68

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

5750-5752
2-Hole Clevis

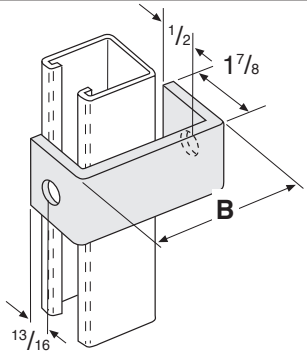


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5750	2 13/32	25	.57
5751	3 25/32	25	.73
5752	4 3/4	25	.84

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5760-5764
2-Hole Clevis

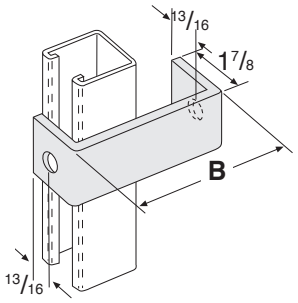


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5760	4	25	.78
5761	5	25	.89
5762	6	25	1.07
5763	7	25	1.12
5764	8	25	1.24

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5770
3-Hole Clevis

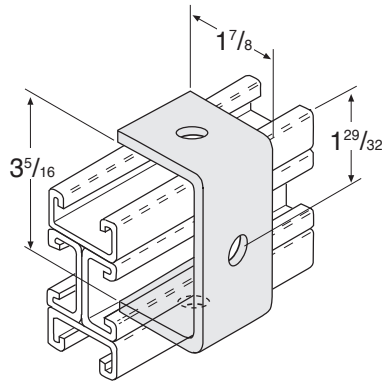


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5770	25	.75

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5775
3-Hole Suspension Clevis

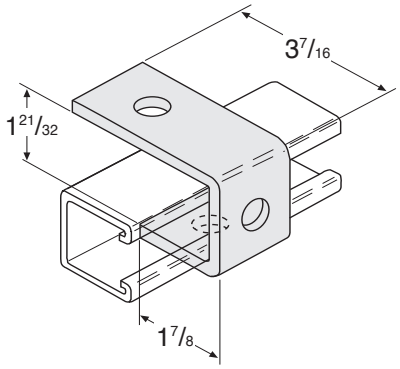


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5775	25	.75

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5780
4-Hole Suspension Clevis

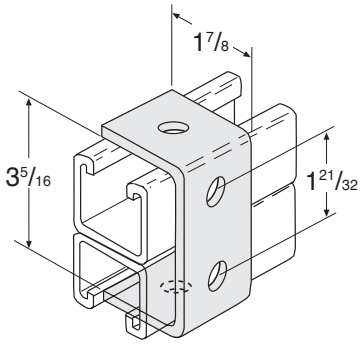


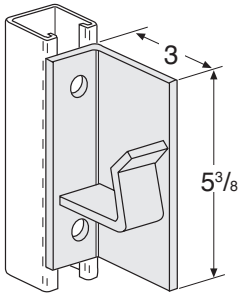
Fig. Number	Std. Package	Wt. Each (in Lbs.)
5780	20	.71

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5801 & 5802
Single Pipe Axle Support for 1 1/4" Pipe

Fig. 5801 Right
Fig. 5802 Left



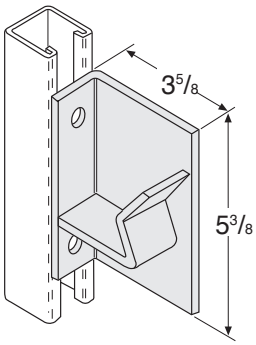
Right Hand Shown

Fig. Number	Std. Package	Wt. Each (in Lbs.)
5801	10	2.25
5802	10	2.25

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5803 & 5804
Single Pipe Axle Support for 2" Pipe

Fig. 5803 Right
Fig. 5804 Left



Right Hand Shown

Fig. Number	Std. Package	Wt. Each (in Lbs.)
5803	10	2.46
5804	10	2.46

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5821
Pipe Support Bracket

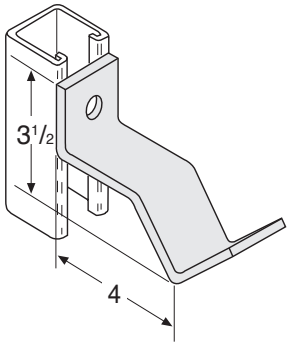


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5821	20	.88

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

5825-5827
Series Ladder Rungs

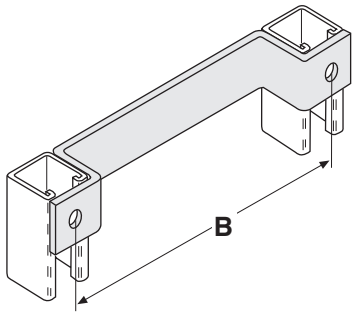


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
5825	12	10	1.76
5826	15	10	2.02
5827	18	bulk	2.34

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5830-5834
Wall Ladder Brackets

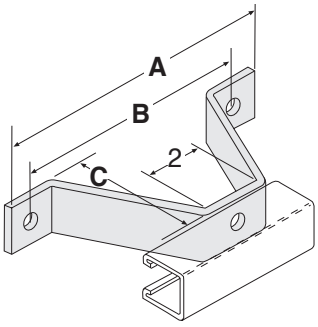


Fig. Number	A	Length B	C	Std. Package	Wt. Each (in Lbs.)
5830	7 5/8	6	2 3/8	10	1.10
5831	9 5/8	8	4 3/8	10	1.64
5832	11 5/8	10	6 3/8	10	2.00
5833	13 5/8	12	8 3/8	10	2.53
5834	15 5/8	14	10 3/8	bulk	3.18

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia. • 13/16 from end

5835-5837
Pipe Coupling Fitting

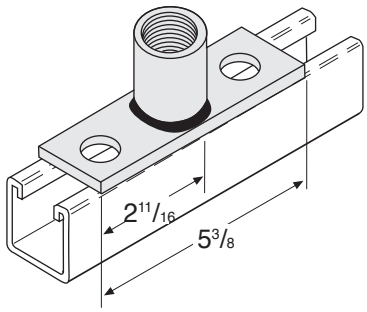


Fig. Number	Pipe Size	Std. Package	Wt. Each (in Lbs.)
5835	1/2	10	.77
5836	3/4	10	.84
5837	1	10	1.05

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number and pipe size.
HOLE DIM: 9/16 dia. • 13/16 from end

5840
Trolley Beam Support

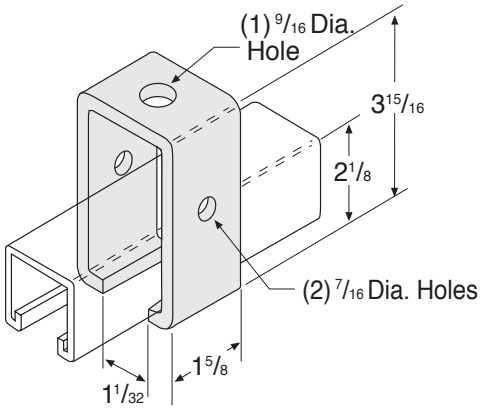


Fig. Number	Std. Package	Wt. Each (in Lbs.)	Design Load (in Lbs.)
5840	25	1.02	1200

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5845
Trolley Beam Joint Support

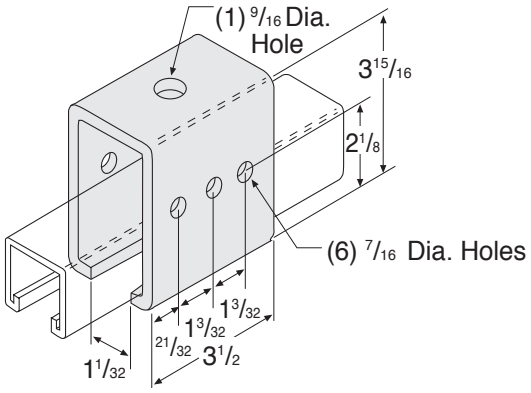


Fig. Number	Std. Package	Wt. Each (in Lbs.)	Design Load (in Lbs.)
5845	15	2.20	2500

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5860
45° Stair Support

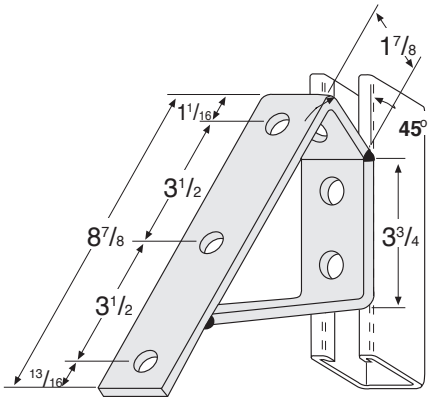


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5860	10	2.20

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5861
37 1/2° Stair Support

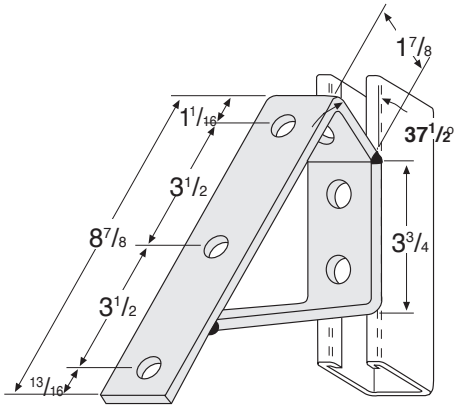


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5861	10	2.06

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.

5870
4-Bearing Trolley Assembly

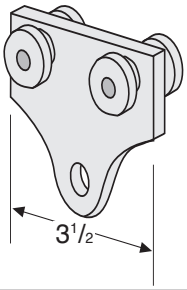


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5870	10	1.10
FPM	**RPM**	**Design Load (in Lbs.)**
180	600	300
90	300	450
30	100	600

Design Load based on use with PHD 1000 Series Strut Channel

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

5875
2 Bearing Trolley Assembly

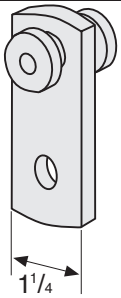


Fig. Number	Std. Package	Wt. Each (in Lbs.)
5875	25	.48
FPM	**RPM**	**Design Load (in Lbs.)**
180	600	150
90	300	225
30	100	437

Design Load based on use with PHD 1000 Series Strut Channel

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

6005
Post Base for 1 5/8 Strut

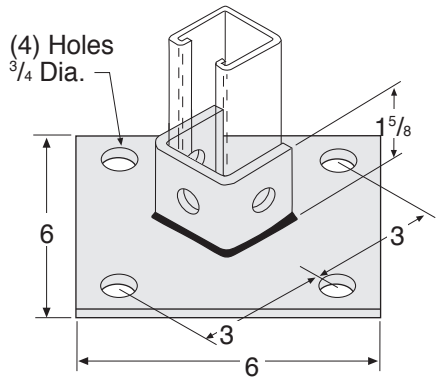


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6005	10	3.14

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

6010
Post Base for 1 5/8 Strut

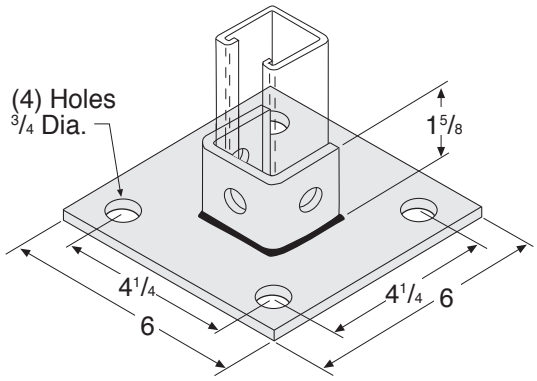


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6010	10	3.14

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

6015
Post Base for 1 5/8 Strut

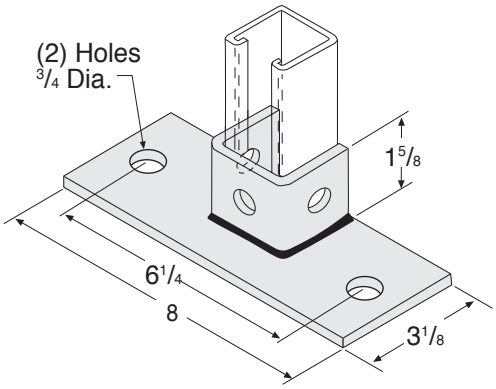


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6015	10	2.30

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

6020
Post Base for 1 5/8 Strut

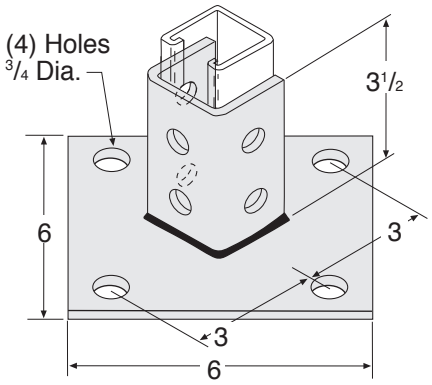


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6020	10	3.92

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

Post Bases

6025
Post Base for 1 5/8 Strut

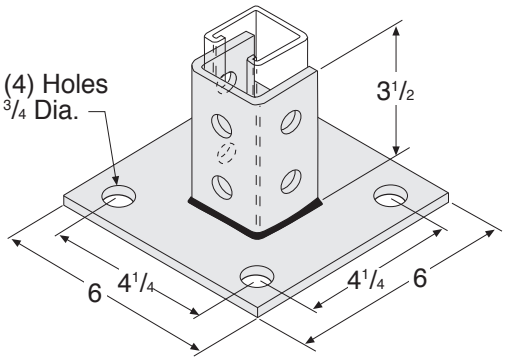


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6025	10	3.92

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

6030
Post Base for 1 5/8 Strut

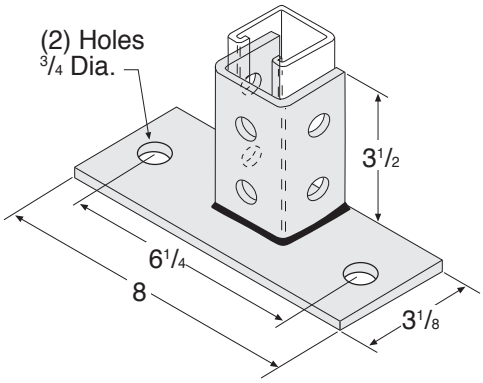


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6030	10	3.12

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end • 1 7/8 on centers

6035
Post Base for Double 1 5/8 Strut

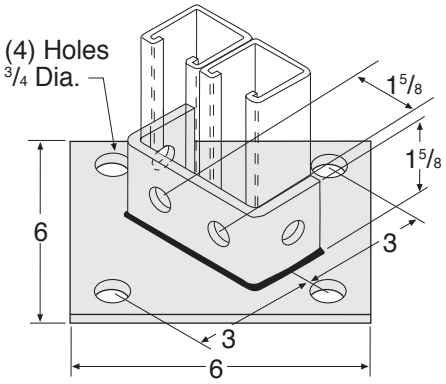


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6035	10	3.30

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6040
Post Base for Double 1 5/8 Strut

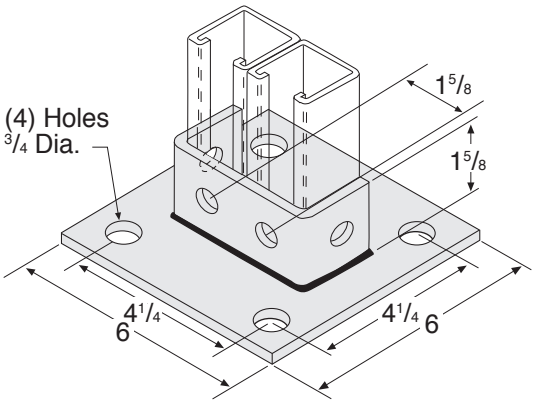


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6040	10	3.30

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6045
Post Base for Double 1 5/8 Strut

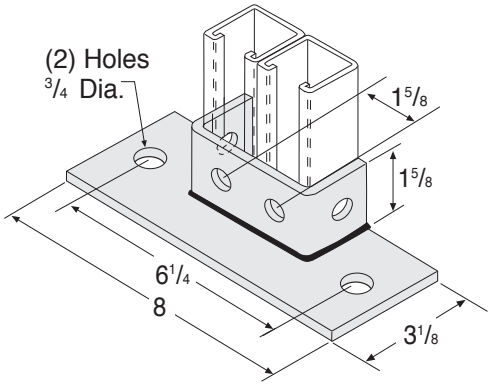


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6045	10	2.50

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6050
Post Base for Double 1 5/8 Strut

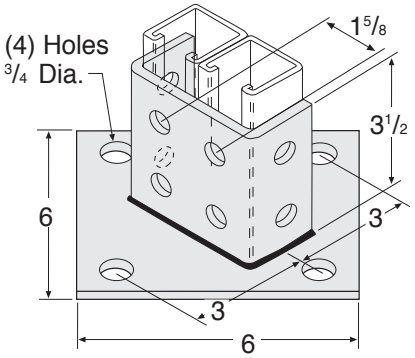


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6050	10	4.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6060
Post Base for Double 1 5/8 Strut

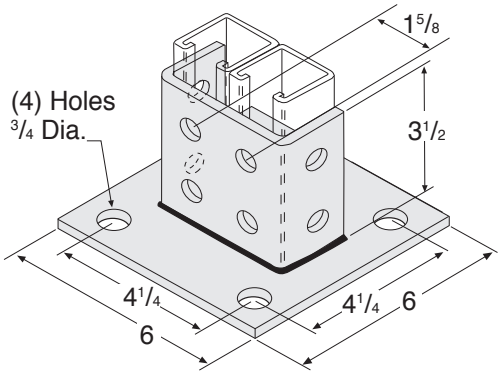


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6060	10	4.00

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6065
Post Base for Double 1 5/8 Strut

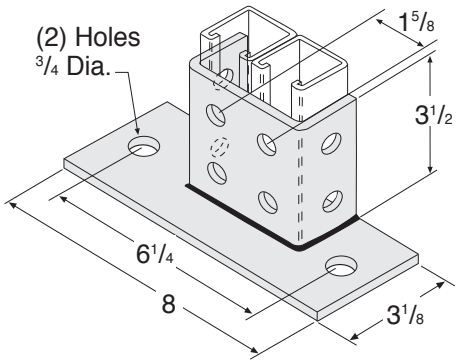


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6065	10	3.20

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6080
Post Base for 1⅝ Back to Back Strut

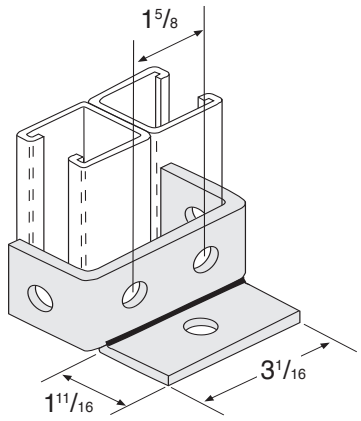


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6080	10	1.30

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia. • 13/16 from end

6095
Post Base for 1⅝ Strut

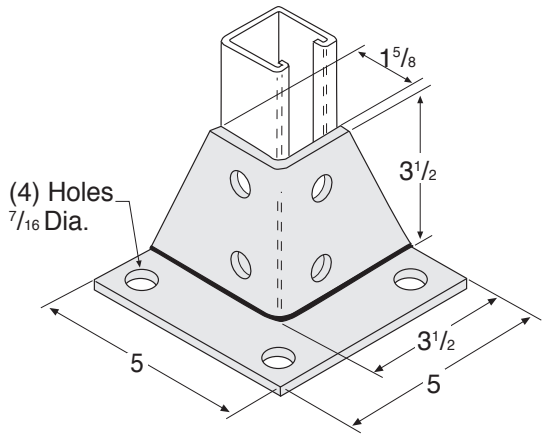


Fig. Number	Std. Package	Wt. Each (in Lbs.)
6095	10	2.97

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.
HOLE DIM: 9/16 dia.

6101-6122
Shelf Bracket

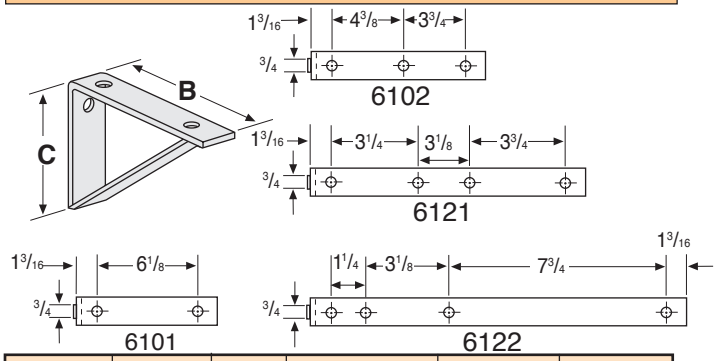


Fig. Number	Length B	C	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6101	8 1/2	4	800	10	1.68
6102	10 1/2	4	800	10	2.02
6121	12 1/2	6	900	Bulk	2.58
6122	14 1/2	6	900	Bulk	2.95

Note: Load based on use with 12 ga. strut.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

6123-6125
Shelf Bracket

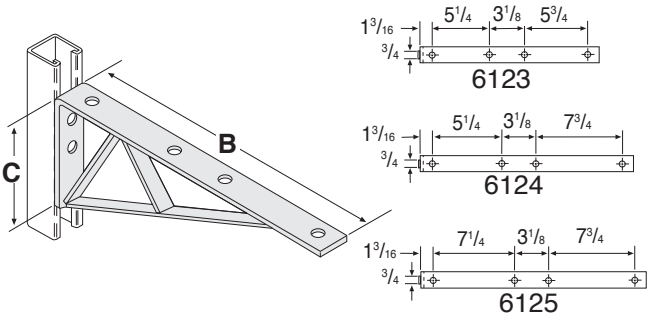


Fig. Number	Length B	C	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6123	16 1/2	6	1200	Bulk	4.05
6124	18 1/2	6	1070	Bulk	4.68
6125	20 1/2	6	600	Bulk	4.90

Note: Load based on use with 12 ga. strut. Bulk packaging.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

6130-6135
Single Channel Bracket

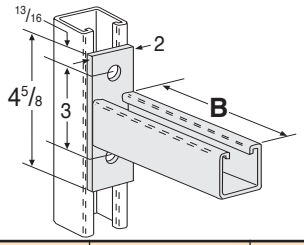


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6130	6	1200	10	1.85
6131	9	900	10	1.95
6132	12	600	10	2.93
6133	14	500	Bulk	3.20
6134	18	400	Bulk	4.01
6135	24	300	Bulk	5.09

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia.

6140-6144
Double Channel Bracket

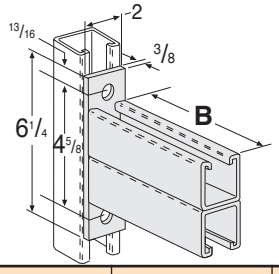


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6140	12	2000	Bulk	5.05
6141	18	1300	Bulk	7.10
6142	24	1000	Bulk	9.15
6143	30	800	Bulk	11.20
6144	36	650	Bulk	13.25

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

FINISH: Electro-galvanized

ORDERING: Specify figure number and length "B".

HOLE DIM: 9/16 dia.

6150-6152
Braced Single Bracket

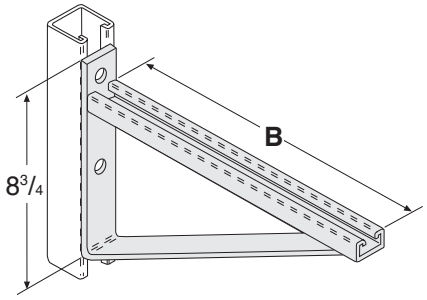


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6150	12	1600	15	3.88
6151	18	850	Bulk	5.06
6152	24	850	Bulk	7.20

PHD 1400 Series 1" profile 12 ga. strut channel used to fabricate this product.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

6202-6208
Interlocking Channel Bracket (Slot Up)

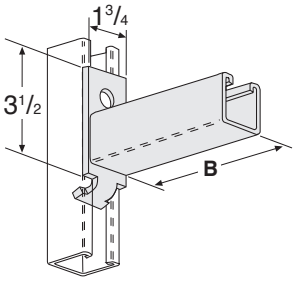
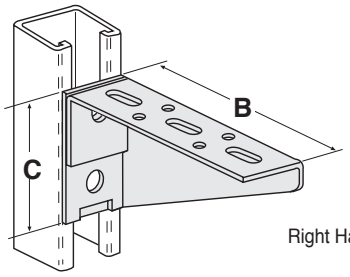


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6202	6	1200	10	1.50
6204	12	600	10	2.50
6206	18	400	Bulk	3.50
6208	24	300	Bulk	4.50

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

6160-6172
Braced Single Bracket



Right Hand Shown

Fig. Number	Length B	C	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6160	24	6 7/16	225	Bulk	3.70
6161	26	6 15/16	225	Bulk	4.25
6162	28	7 7/16	225	Bulk	4.80
6163	30	7 15/16	225	Bulk	5.20
6164	12	3 7/16	275	10	1.43
6165	14	3 15/16	275	Bulk	1.62
6166	16	4 7/16	275	Bulk	2.04
6167	18	4 15/16	275	Bulk	2.32
6168	20	5 7/16	250	Bulk	2.75
6169	22	5 15/16	250	Bulk	3.17
6170	6	1 15/16	275	10	.58
6171	8	2 7/16	275	10	.82
6172	10	2 15/16	275	10	1.03

Note: Load based on use with 12 ga. strut.

MATERIAL: 12 Ga.
FINISH: Electro-galvanized
ORDERING: Specify figure number, R or L and length "B"

6212-6218
Interlocking Channel Bracket (Slot Down)

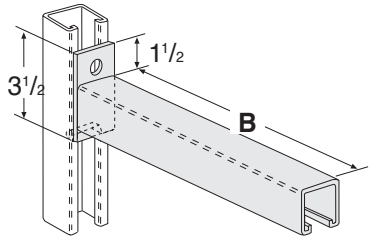


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6212	6	1200	10	1.50
6214	12	600	10	2.50
6216	18	400	Bulk	3.50
6218	24	300	Bulk	4.50

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

6222 & 6224
Wrap-Around Channel Bracket (Slot Up)

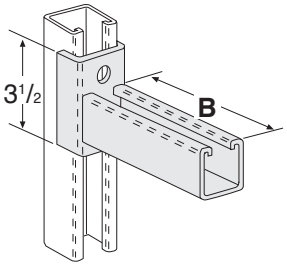


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6222	6	1600	10	1.90
6224	12	800	10	2.75

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

6232 & 6234
Wrap-Around Channel Bracket (Slot Down)

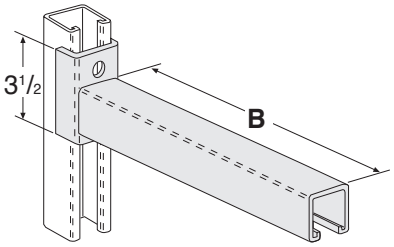


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6232	6	1600	10	1.90
6234	12	800	10	2.75

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

6246 & 6248
Wrap-Around Channel Bracket (Slot Up)

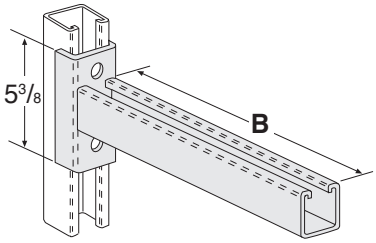


Fig. Number	Length B	Uniform Load (in Lbs.)	Std. Package	Wt. Each (in Lbs.)
6246	18	600	Bulk	4.30
6248	24	450	Bulk	5.10

Note: Load based on use with 12 ga. PHD 1000 series strut channel.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number and length "B".
HOLE DIM: 9/16 dia.

Brackets

6305
Single Channel Bracket Support For 1001 & 1101 Strut

Note: Load is in "in.-lbs." and applies to fitting only, not strength of strut arm. Load rating is based on use with 12 gauge strut. If 14 gauge strut is used, load is reduced to 4400 in.-lbs.

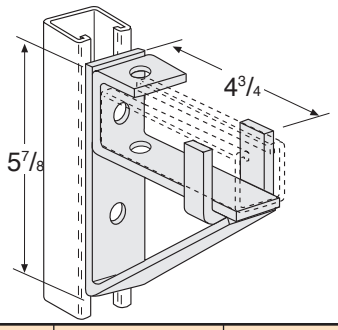


Fig. Number	Uniform Load in. - Lbs.	Std. Package	Wt. Each (in Lbs.)
6305	6300	10	2.10

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia.

6310
Double Channel Bracket Support For 1001A & 1101A Strut

Note: Load is in "in.-lbs." and applies to fitting only, not strength of strut arm. Load rating is based on use with 12 gauge strut. If 14 gauge strut is used, load is reduced to 9100 in.-lbs.

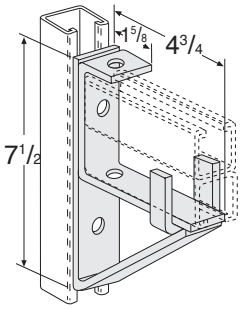


Fig. Number	Uniform Load in. - Lbs.	Std. Package	Wt. Each (in Lbs.)
6310	13000	10	2.66

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 1/4

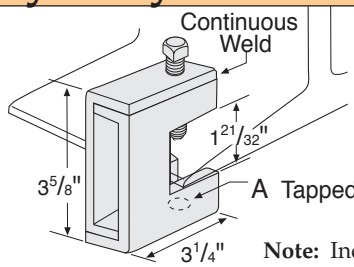
FINISH: Electro-galvanized

ORDERING: Specify figure number.

HOLE DIM: 9/16 dia.

Beam Clamps

7001 & 7002
Heavy Duty Beam Clamp



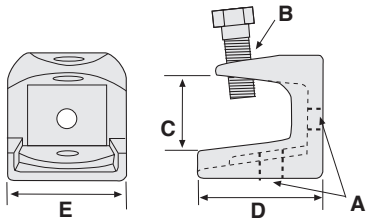
Note: Includes Set Screw.

Fig. Number	A	Material Size	Set Screw	Max. Rec. Load/Lbs.	Std. Package	Wt. Each (in Lbs.)
7001	3/8	3/16	1/2 X 2	1300	10	1.56
7002	1/2	1/4	1/2 X 2	1900	10	2.01

For beams between 3/4" & 1 5/8" thick flanges

Fig. Number	Material Size	A	B	C	D	E	Std. Package	Wt. Each (in Lbs.)
7005	1	1/4 - 20	5/16	1	1 1/4	1	100	.25
7006	1	3/8 - 16	5/16	1	1 1/4	1	100	.25
7007	2	3/8 - 16	1/2	1 3/8	2	2	10	.95

7005-7007
Beam Clamp



MATERIAL:

7001 & 7002 - Low carbon steel

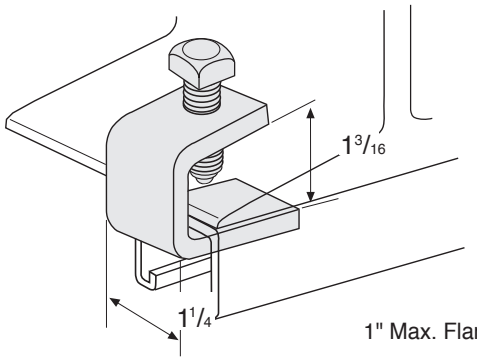
7005-7007 - Malleable iron

FINISH: Electro-galvanized

ORDERING: Specify figure number.

Beam Clamps

7011 & 7012
"I" Beam Clamp



*Max. load when used in pairs.

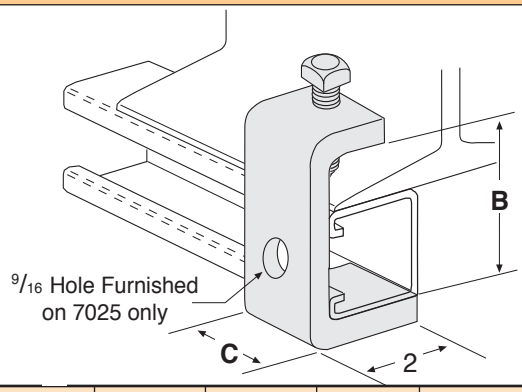
Fig. Number	Material Size	Set Screw	Std. Package	Max. Rec. Load/lbs.	Wt. Each (in Lbs.)
7011	1/4	3/8	50	450*	.26
7012	3/8	1/2	25	900*	.64

Note: Includes Set Screw.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

FINISH: Electro-galvanized
ORDERING: Specify figure number.

7020 & 7025
"I" Beam Clamp



*Max. load when used in pairs.

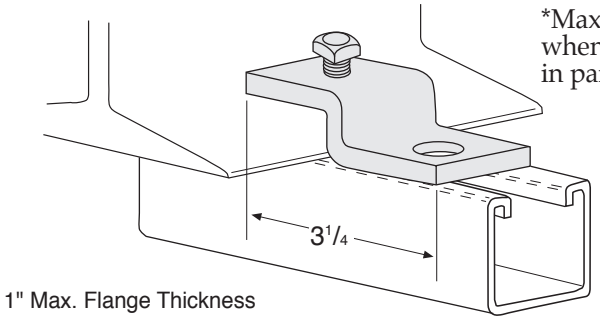
Fig. Number	B	C	Std. Package	Max. Rec. Load/lbs.	Wt. Each (in Lbs.)
7020	2	1 1/8	25	900*	.72
7025	2 1/2	1 1/2	25	500*	.94

Note: Includes Set Screw.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 3/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7030
"Z" Beam Clamp



*Max. load when used in pairs.

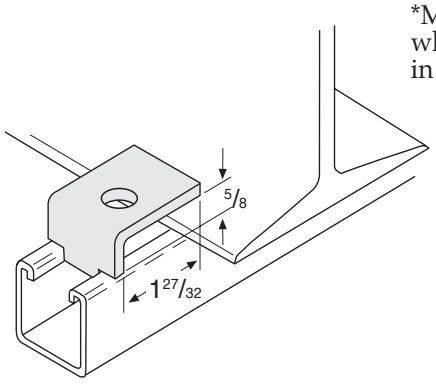
Fig. Number	Set Screw	Std. Package	Max. Rec. Load/lbs.	Wt. Each (in Lbs.)
7030	1/2	25	450*	.63

Note: Includes Set Screw. Order 1/2" -13 X 1 3/4 HHCS and Strut Nut Separately

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 3/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7040
Beam Clamp



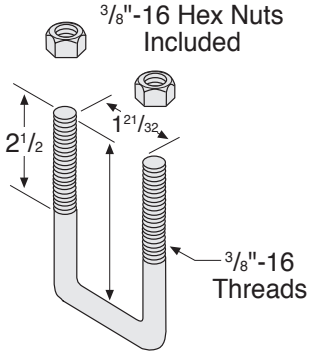
*Max. load when used in pairs.

Fig. Number	Std. Package	Max. Rec. Load/lbs.	Wt. Each (in Lbs.)
7040	50	600*	.26

Note: Order 1/2" -13 X 1 3/4 HHCS and Strut Nut Separately

MATERIAL: 1/4 X 1 5/8
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7050 & 7051
Square U-Bolt



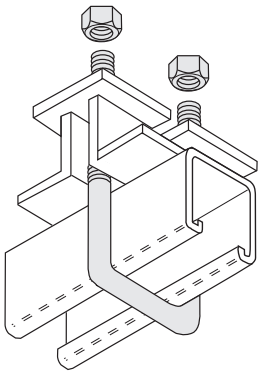


Fig. Number	Length B	Std. Package	Wt. Each (in Lbs.)
7050	3 3/8	25	.25
7051	5	25	.33

MATERIAL: Low carbon steel
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7060
Beam Clamp
For use with 1 5/8 Strut

*Max. load when used in pairs.

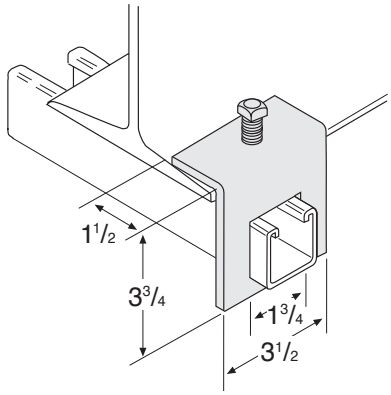


Fig. Number	Set Screw	Std. Package	Max. Rec. Load/lbs.	Wt. Each (in Lbs.)
7060	1/2	25	500*	1.07

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7070
Beam Clamp
For use with 1 5/8 Strut

*Max. load when used in pairs.

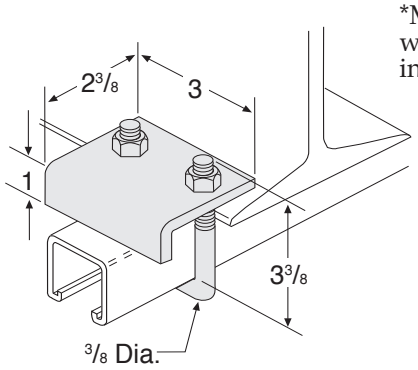


Fig. Number	Std. Package	Max. Rec. Load/Lbs.	Wt. Each (in Lbs.)
7070	25	1000*	.80

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7075
Beam Clamp
For use with 3 1/4 Strut

*Max. load when used in pairs.

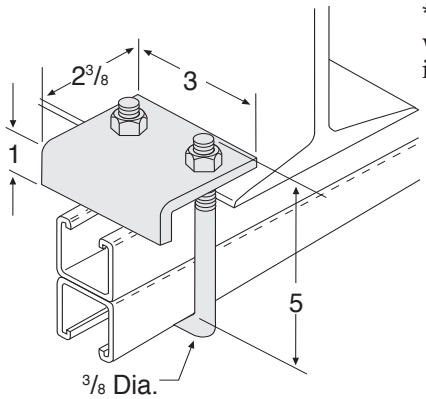


Fig. Number	Std. Package	Max. Rec. Load/Lbs.	Wt. Each (in Lbs.)
7075	25	1000*	.88

MATERIAL: 1/4
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7231-7238
One Hole Clamp For O.D. Tubing

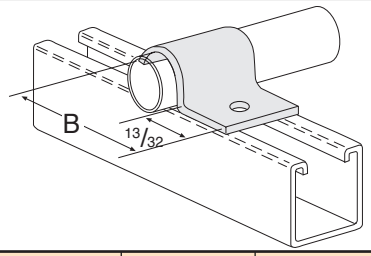


Fig. Number	Tubing O.D.	B	Std. Package	Wt. Each (in Lbs.)
7231	1/4	1 1/16	100	.03
7232	5/16	1 1/8	100	.03
7233	3/8	1 1/8	100	.04
7234	1/2	1 3/16	100	.04
7235	5/8	1 1/4	100	.05
7236	3/4	1 5/16	100	.06
7237	7/8	1 3/8	100	.06
7238	1	1 7/16	100	.07

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

MATERIAL: 14 Ga.

FINISH: Electro-galvanized

ORDERING: Specify figure number and O.D. size.

7370
Pipe Stop

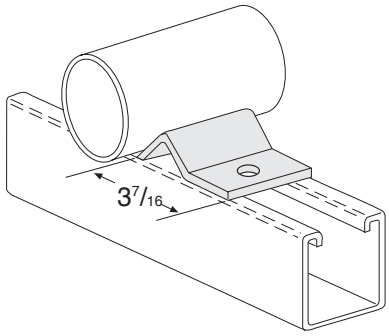


Fig. Number	Std. Package	Wt. Each (in Lbs.)
7370	50	.38

MATERIAL: 1/4

FINISH: Electro-galvanized

ORDERING: Specify figure number.

7251-7263
Standard Pipe Strap

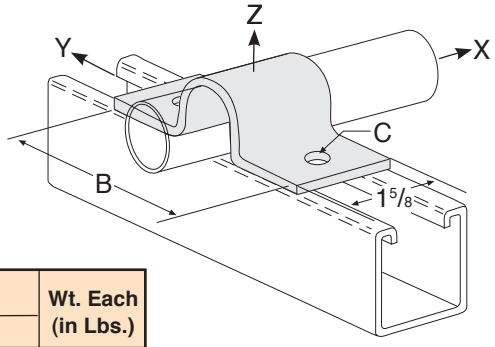


Fig. Number	Pipe Size	B	C	Std. Package	Material Size	Max. Rec. Loads (in Lbs.)			Wt. Each (in Lbs.)
						X	Y	Z	
7251	1/2	2 7/8	5/16	25	1/8	105	150	600	.29
7252	3/4	3 1/16	5/16	25	1/8	105	150	600	.32
7253	1	3 1/2	5/16	25	1/8	120	150	600	.35
7254	1 1/4	3 13/16	5/16	25	1/8	120	150	600	.41
7255	1 1/2	3 15/16	5/16	25	1/8	120	150	600	.45
7256	2	5 1/16	7/16	10	1/4	180	480	1200	1.00
7257	2 1/2	6 3/16	7/16	10	1/4	180	480	1200	1.13
7258	3	6 11/16	7/16	10	1/4	300	480	1200	1.32
7259	3 1/2	7 5/16	7/16	10	1/4	300	480	1200	1.51
7260	4	8	7/16	10	1/4	450	600	1500	1.66
7261	5	9	7/16	10	1/4	450	600	1500	1.91
7262	6	10 1/8	7/16	10	1/4	450	600	1500	2.23
7263	8	12	7/16	5	1/4	600	800	2000	2.97

MATERIAL: Low carbon steel

FINISH:
Electro-galvanized

ORDERING: Specify figure number and pipe size.

Available in stainless steel. To order, specify 304 or 316 and add suffix SS to fig. number. Price on request.

Pipe Rollers

7400
Separate Rollers

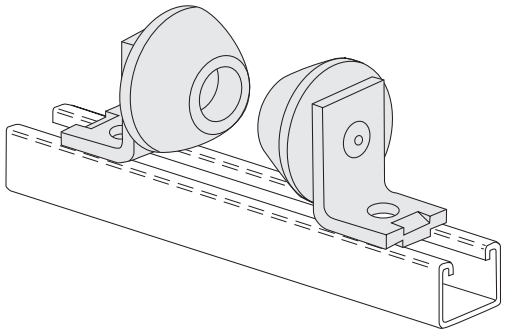


Fig. Number	For Pipe Sizes	Std. Package	Wt. Each (in Lbs.)
7400	½ X 8	10 pr.	2.80

MATERIAL: Cast Aluminum Rolls w/steel bracket.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7501-7506
Pipe Roller with Axle

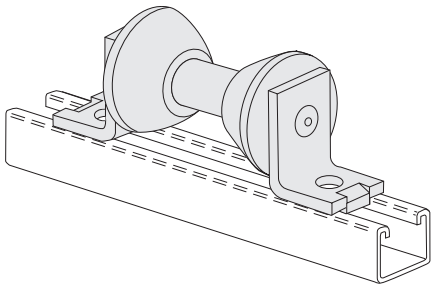


Fig. Number	For Pipe Sizes	Std. Package	Wt. Each (in Lbs.)
7501	1 - 3	10	1.59
7502	3 - 4	10	1.66
7503	4 - 6	10	1.79
7504	6 - 8	10	1.82
7505	10	10	1.90
7506	12	10	1.93

MATERIAL: Cast Alum. Rolls w/steel bracket and axle.
FINISH: Electro-galvanized
ORDERING: Specify figure number and pipe size.

7530
60° Separate Rollers

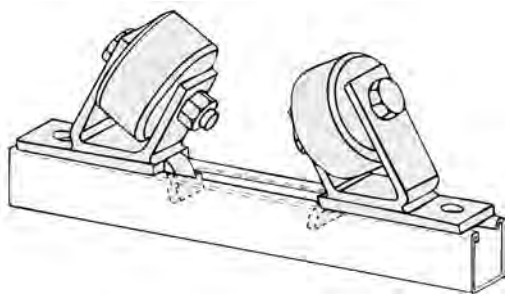


Fig. Number	For Pipe Sizes	Std. Package	Wt. Each (in Lbs.)
7530	6 - 18	5 sets	3.97

MATERIAL: Cast Aluminum Rolls w/steel bracket.
FINISH: Electro-galvanized
ORDERING: Specify figure number.

7560
60° Rollers with Center Roller

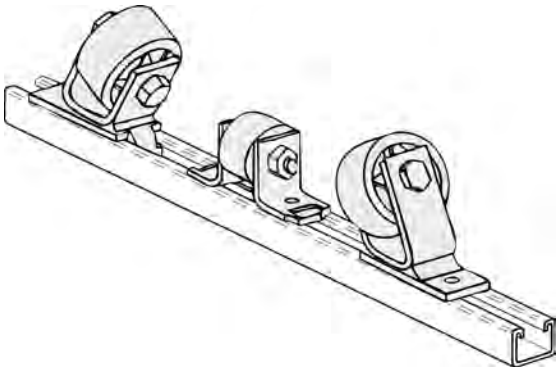


Fig. Number	For Pipe Sizes	Std. Package	Wt. Each (in Lbs.)
7560	20 - 30	5 sets	8.18

MATERIAL: Cast Aluminum Rolls w/steel bracket.
FINISH: Electro-galvanized
ORDERING: Specify figure number.