

# Beam clamps

## Beam Clamps



Our beam attachments and pipe supports offered in this section are designed to provide supports without drilling or welding. A complete selection of beam clamps, pipe clamps, rollers, supports and accessories are designed for use with our channels and offer many installation advantages.

### Materials & Finishes (Unless otherwise noted)

Pipe clamps, pipe hangers, beam clamps, brackets, and rollers are made from low carbon steel strips, plates or rod unless noted.

**Note:** A minimum order may apply on special material and finishes.

### Load Data

The load data published includes a safety factor of 5.0 unless noted (safety factor = ratio of ultimate load to the design load).

### Recommended Torque For Setscrews (unless noted)

See chart on page 106 for recommended torquing of bolts (not setscrews).

Finish Code	Finish	Specification
PLN	Plain	ASTM A1018 Gr. 33 ASTM A1011 SS Grade 33
ZN	Electro-Plated Zinc	ASTM B633 SC3 Type III or ASTM A653
GRN	DURA GREEN™	
-	Malleable Iron	ASTM A47 Gr. 32510
HDG	Hot-Dipped Galvanized	ASTM A123
CZ	Chromium Zinc	ASTM F1136 Gr. 3
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240
AL	Aluminum	ASTM B209

Setscrew Size	1/4"-20	3/8"-16	1/2"-13
Foot/Lbs.	4	5	11
Nm	5	7	15

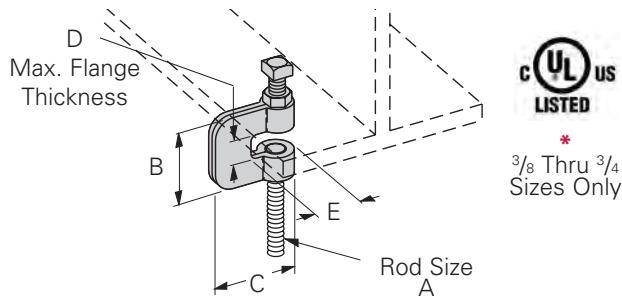
Setscrew Size	5/8"-11	3/4"-10
Foot/Lbs.	21	34
Nm	28	46

### Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

**B351L****Steel C-Clamp with Locknut**

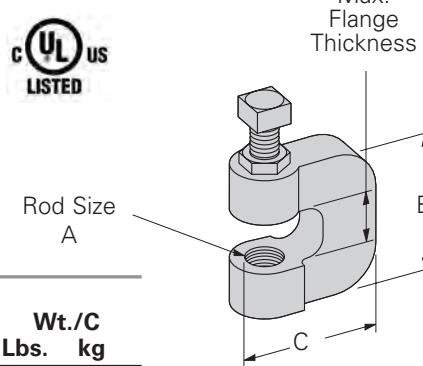
- Safety Factor of 5
- Setscrew and locknut included
- When Retaining Strap is required, order B3362, B3363 or B3365 separately
- Standard finishes: ZN, SS4, PLN



Part Number With Locknut	Rod Size A	B In. mm	C In. mm	D In. mm	E In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B351L-3/8 *</b>	3/8"-16	2 3/8" (60.3)	2 3/8" (60.3)	3/4" (19.0)	1 3/8" (34.9)	230 (1.03)	41 (18.6)
<b>B351L-1/2 *</b>	1/2"-13	2 3/8" (60.3)	2 3/8" (60.3)	3/4" (19.0)	1 3/8" (34.9)	380 (1.71)	41 (18.6)
<b>B351L-5/8 *</b>	5/8"-11	2 3/8" (60.3)	2 1/4" (57.1)	3/4" (19.0)	1 3/8" (34.9)	550 (2.47)	60 (27.2)
<b>B351L-3/4 *</b>	3/4"-10	2 3/8" (60.3)	3 1/4" (82.5)	3/4" (19.0)	1 3/8" (34.9)	630 (2.83)	71 (32.2)
<b>B351L-7/8</b>	7/8"-9	3" (76.2)	3 1/4" (82.5)	1" (25.4)	1 7/8" (47.6)	1200 (5.34)	184 (83.4)

**B3036L****C-Clamp with Locknut**

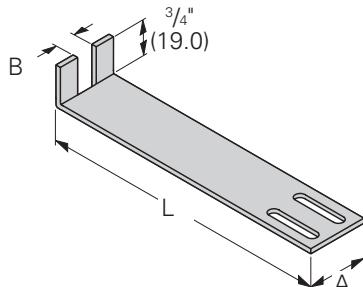
- Safety Factor of 5
- When Retaining Strap is required, order B3363 or B3364 separately
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: ZN, PLN



Part Number With Locknut	Rod Size A	B In. mm	C In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B3036L-3/8</b>	3/8"-16	1 3/4" (44.4)	1 3/4" (44.4)	300 (0.89)	29 (13.1)
<b>B3036L-1/2</b>	1/2"-13	1 3/4" (44.4)	1 3/4" (44.4)	380 (1.69)	28 (12.7)
<b>B3036L-5/8</b>	5/8"-11	2" (50.8)	1 7/8" (47.6)	530 (2.36)	55 (24.9)
<b>B3036L-3/4</b>	3/4"-10	2" (50.8)	2" (50.8)	530 (2.36)	72 (32.6)

**B3362 thru B3365****Retaining Strap**

- <sup>†</sup>When ordering specify L (Length) as a suffix to the part number
- Material: 14 gauge (1.9)
- Standard finishes: GALV, SS4



Part No.	Wt./C for Length L of				A In. mm	B In. mm	For Use With
	6" (152.4) Lbs. kg	8" (203.2) Lbs. kg	10" (254.0) Lbs. kg	12" (304.8) Lbs. kg			
<b>B3362<sup>†</sup></b>	17 (7.7)	24 (10.9)	31 (14.0)	38 (17.2)	1 1/4" (31.7)	7/16" (11.1)	B351-3/8 & 1/2
<b>B3363<sup>†</sup></b>	16 (7.2)	23 (10.4)	30 (13.6)	37 (16.8)	1 1/4" (31.7)	5/8" (15.9)	B351-5/8 & 3/4
<b>B3364<sup>†</sup></b>	16 (7.2)	23 (10.4)	30 (13.6)	37 (16.8)	1 1/4" (31.7)	11/16" (17.4)	B3036-5/8 & 3/4
<b>B3365<sup>†</sup></b>	21 (9.5)	29 (13.1)	37 (16.8)	46 (20.8)	1 1/2" (38.1)	3/4" (19.0)	B351-7/8

<sup>†</sup> See note above.

Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

## B3033

### Reversible Wide Jaw Wedge C-Clamp (Malleable Iron)

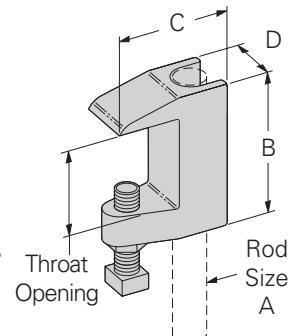
- Safety Factor of 5
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: HDG with ZN hardware, PLN



#### Throat Openings

1 1/4" (31.7) For  
3/8" & 1/2" Sizes

1 5/16" (33.3) For  
5/8" & 3/4" Sizes



Part No.	Rod Size A	B In. mm	C In. mm	D In. mm	Design Load Lbs. kN	Wt./C Lbs. kg	UL Max. Pipe Size In. mm
B3033-3/8	3/8"-16	2 1/4" (57.1)	2" (50.8)	1 1/8" (28.6)	500 (2.22)	46 (20.8)	4" (100)
B3033-1/2	1/2"-13	2 5/16" (58.7)	2 3/16" (55.5)	1 1/4" (31.7)	810 (3.60)	64 (29.0)	8" (200)
B3033-5/8	5/8"-11	2 5/8" (66.7)	2 1/2" (63.5)	1 3/8" (34.9)	1000 (4.48)	116 (52.6)	8" (200)
B3033-3/4	3/4"-10	2 11/16" (68.3)	2 1/2" (63.5)	1 7/16" (36.5)	1400 (6.22)	140 (63.5)	10" (250)

## B3034

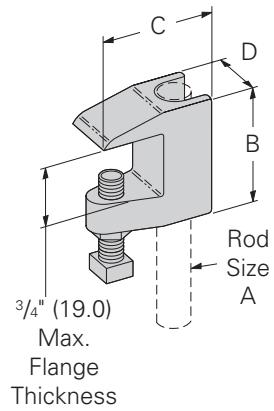
### Wedge C-Clamp

- Safety Factor of 5
- 3/4" (19.0) Max. flange thickness
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: HDG with ZN hardware, PLN

Note:  
3/8" & 1/2" Sizes  
Are Reversible  
Style



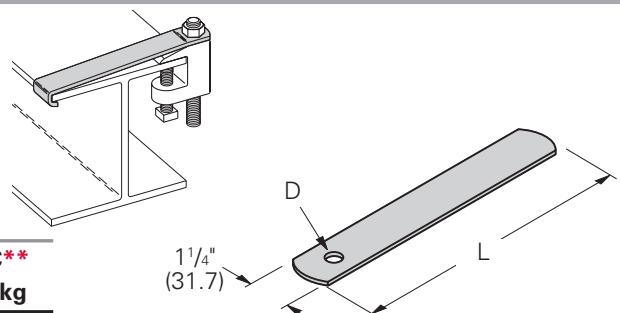
\* 3/8 & 1/2 Sizes Only



**Fig. 69 (Formerly B-Line B3367)**

### Retaining Strap

- Specify 'L' lengths required
- Minimum recommended return on strap is 1" (25.4)
- Material: Pre-Galvanized Steel
- Standard finishes: GALV



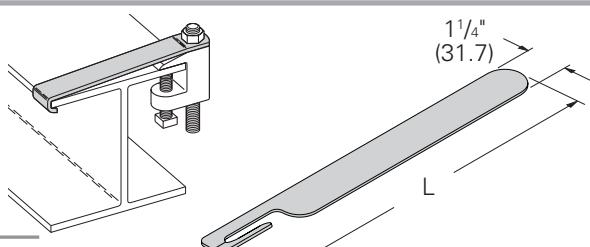
Part No.	Hole Dia. D In. mm	For Use	Wt./C** Lbs. kg
69-3/8-L	7/16" (30.1)	B3033-3/8, B3034-3/8 & 65XT-3/8	23.9 (10.8)
69-1/2-L	9/16" (30.1)	B3033-1/2 & B3034-1/2	23.6 (10.7)
69-5/8-L	11/16" (50.8)	B3033-5/8	23.2 (10.5)
69-3/4-L	13/16" (63.5)	B3033-3/4	22.7 (10.3)

\*\* Wt./C based on 6" (152.4) length.  
For each additional inch in strap  
length add 4.2 Lbs (1.9 kg) to Wt./C.

**Fig. 69R**

### Retrofit Retaining Strap

- Specify 'L' lengths required
- Minimum recommended return on strap is 1" (25.4)
- Material: Pre-Galvanized Steel
- Standard finishes: GALV



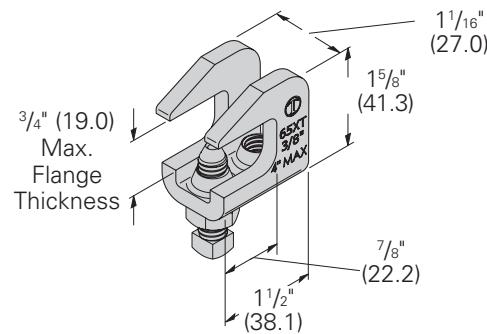
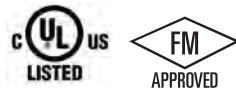
Part No.	Slot Width In. mm	For Use	Wt./C** Lbs. kg
69R-3/8-L	7/16" (30.1)	B3033-3/8, B3034-3/8 & 65XT-3/8	22.9 (10.4)
69R-1/2-L	9/16" (30.1)	B3033-1/2 & B3034-1/2	22.6 (10.2)

\*\* Wt./C based on 6" (152.4) length.  
For each additional inch in strap  
length add 4.2 Lbs (1.9 kg) to Wt./C.

**Fig. 65XT**  
**Reversible C-Type Beam Clamp**

- Safety Factor of 5
- $\frac{3}{4}$ " (19.0) Max. flange thickness
- Setscrew and locknut included
- Maximum pipe size 4" (100)
- Design Load 610 Lbs. (2.71kN)
- Material: Steel
- Standard finishes: ZN, PLN

Rod Size  
 $\frac{3}{8}$ "-16



**Fig. 65**  
**Reversible Steel C-Type Beam Clamp -**  
 **$\frac{3}{4}$ " (19.0mm) Throat Opening**

**Fig. 66**  
**Reversible Steel C-Type Beam Clamp -**  
 **$1\frac{1}{4}$ " (31.7mm) Throat Opening**

- Safety Factor of 5
- Maximum pipe size 4" (100) for  $\frac{3}{8}$ "-16 rods
- Maximum pipe size 8" (100) for  $\frac{1}{2}$ "-13 rods
- Material: Steel
- Standard finishes: ZN, PLN

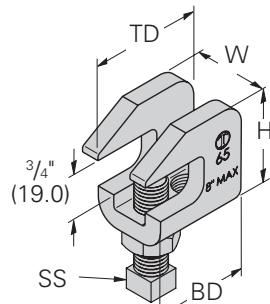


Fig. 65

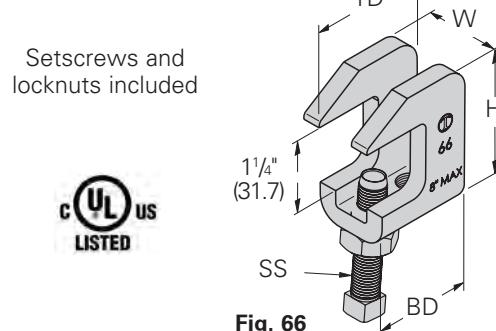


Fig. 66

Part No.	Rod Size	Set Screw SS	TD in. (mm)	BD in. (mm)	H in. (mm)	W in. (mm)	Mac. Rec Load* Lbs. (kN)	Approx. Wt./100 Lbs. (kg)
<b>65-1/2</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13 x $1\frac{3}{4}$ "	$1\frac{15}{16}$ " (49.2)	$1\frac{5}{8}$ " (41.3)	$1\frac{7}{8}$ " (47.6)	$1\frac{1}{4}$ " (31.7)	1130 (31.7)	55 (24.9)
<b>65-5/8</b>	$\frac{5}{8}$ "-11	$\frac{1}{2}$ "-13 x $1\frac{3}{4}$ "	$1\frac{15}{16}$ " (49.2)	$1\frac{5}{8}$ " (41.3)	$1\frac{7}{8}$ " (47.6)	$1\frac{1}{4}$ " (31.7)	1130 (31.7)	55 (24.9)
<b>66-3/8</b>	$\frac{3}{8}$ "-16	$\frac{3}{8}$ "-16 x 2"	$1\frac{1}{2}$ " (38.1)	$1\frac{13}{32}$ " (35.7)	$2\frac{3}{16}$ " (55.6)	1" (25.4)	610 (2.71)	28 (12.7)
<b>66-1/2</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13 x 2"	2" (50.8)	$1\frac{21}{32}$ " (42.0)	$2\frac{7}{16}$ " (61.9)	$1\frac{1}{4}$ " (31.7)	1130 (31.7)	55 (24.9)
<b>66-5/8</b>	$\frac{5}{8}$ "-11	$\frac{1}{2}$ "-13 x $1\frac{3}{4}$ "	2" (50.8)	$1\frac{21}{32}$ " (42.0)	$2\frac{7}{16}$ " (61.9)	$1\frac{1}{4}$ " (31.7)	1130 (31.7)	55 (24.9)

\* Maximum loads for clamp with set screw in up or down position.

**Fig. 67SS & Fig. 68SS**  
**Reversible Stainless Steel C-Type Beam Clamp**

- Safety Factor of 5
- Maximum pipe size 4" (100) for  $\frac{3}{8}$ "-16 rods
- Maximum pipe size 8" (100) for  $\frac{1}{2}$ "-13 rods
- Material: Stainless Steel
- Standard finishes: ZN, PLN

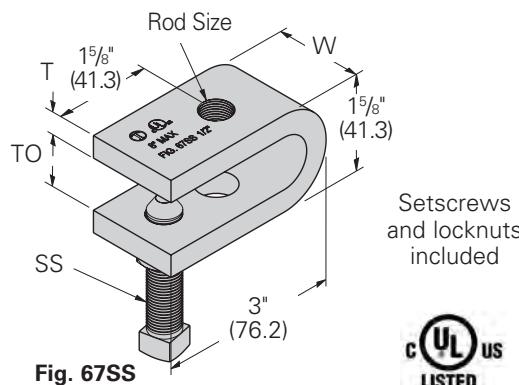


Fig. 67SS

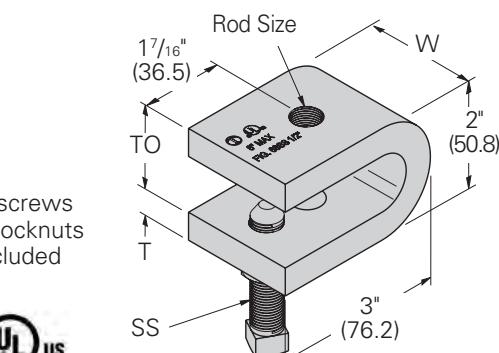


Fig. 68SS

Part No.	Rod Size	Set Screw SS	T in. (mm)	W in. (mm)	TO in. (mm)	Mac. Rec Load* Lbs. (kN)	Approx. Wt./100 Lbs. (kg)
<b>67SS-3/8</b>	$\frac{3}{8}$ "-16	$\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "	$\frac{3}{8}$ " (9.6)	1" (25.4)	$\frac{7}{8}$ " (22.2)	1500 (6.67)	68 (30.8)
<b>67SS-1/2</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13 x 2"	$\frac{3}{8}$ " (9.6)	$1\frac{1}{2}$ " (38.1)	$\frac{7}{8}$ " (22.2)	4050 (18.0)	107 (48.5)
<b>68SS-3/8</b>	$\frac{3}{8}$ "-16	$\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "	$\frac{3}{8}$ " (9.6)	$1\frac{1}{2}$ " (38.1)	$1\frac{1}{4}$ " (31.7)	1500 (6.67)	84 (38.1)
<b>68SS-1/2</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13 x 2"	$\frac{1}{2}$ " (12.7)	2" (50.8)	1" (25.4)	4050 (18.0)	170 (77.1)

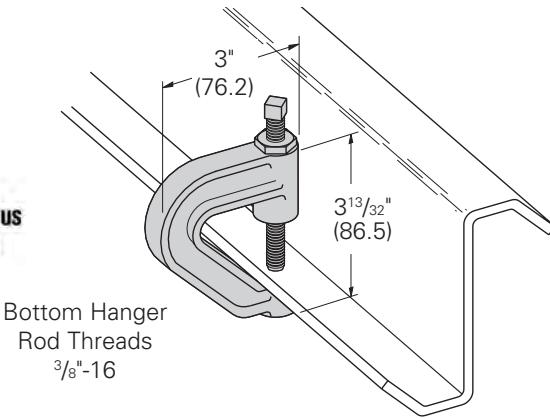
Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

## B3037Z

### Z-Purlin C-Clamp

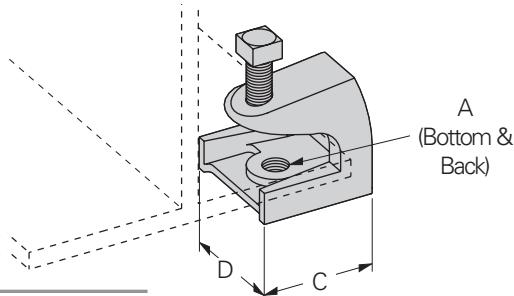
- Design Load 500 Lbs. (2.22 kN)
- Safety Factor of 5
- Designed for attaching a  $\frac{3}{8}$ "-16 hanger rod to the bottom flange of a Z-purlin
- Setscrew and locknut included
- Material: Malleable iron
- Standard finishes: ZN, PLN



## B444

### Series Rod Support

- Safety Factor of 5
- Max. flange thickness  $\frac{3}{4}$ " (19.0) for  $\frac{1}{4}$ " &  $\frac{5}{16}$ " sizes  
 $1$ " (25.4) for  $\frac{3}{8}$ " &  $\frac{1}{2}$ " sizes
- Setscrew included
- Material: Malleable iron
- Standard finish: ZN, available in HDG with CZ Hardware

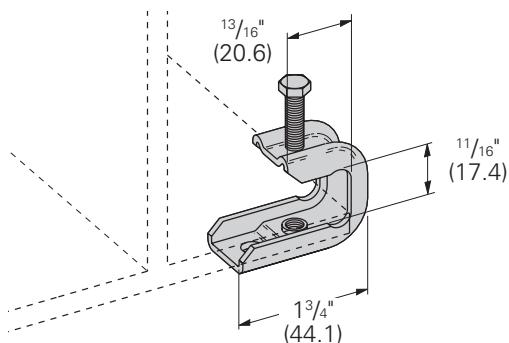


Part No.	Thread Size A	Set Screw	C In. mm	D In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B444-1/4</b>	$\frac{1}{4}$ "-20	$\frac{1}{4}$ "-20	$1\frac{3}{8}$ " (34.9)	$1\frac{3}{16}$ " (30.1)	150 (.66)	24 (10.9)
<b>B444-5/16</b>	$\frac{5}{16}$ "-18	$\frac{1}{4}$ "-20	$1\frac{3}{8}$ " (34.9)	$1\frac{3}{16}$ " (30.1)	150 (.66)	23 (10.4)
<b>B444-3/8</b>	$\frac{3}{8}$ "-16	$\frac{1}{2}$ "-13	$1\frac{7}{8}$ " (47.6)	$2$ " (50.8)	350 (7.12)	65 (29.5)
<b>B444-1/2</b>	$\frac{1}{2}$ "-13	$\frac{5}{8}$ "-11	$2\frac{3}{8}$ " (60.3)	$2\frac{1}{2}$ " (63.5)	1000 (4.45)	132 (59.9)

## BC442

### Light Duty Beam Clamp

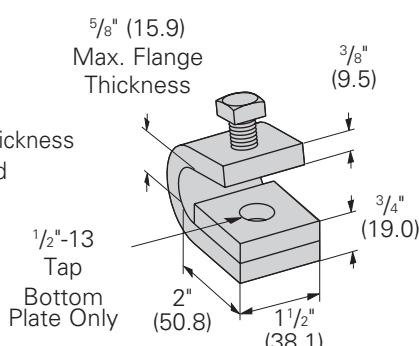
- Design Load 75 Lbs. (.33 kN)
- Safety Factor of 5
- $1\frac{1}{16}$ " (17.5) Max. flange thickness
- Setscrew included
- Holes tapped  $\frac{1}{4}$ "-20 (bottom & back)
- Material: 13 gauge (2.3)
- Standard finish: ZN
- Wt./C 13 Lbs. (3.9 kg)



## B210

### Beam Clamp

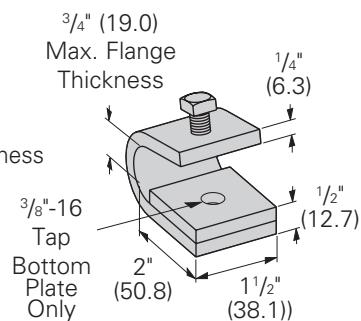
- Design Load 800 Lbs. (3.56 kN)
- Safety Factor of 5
- $\frac{5}{8}$ " (15.9) Max. flange thickness
- $\frac{1}{2}$ "-13 Setscrew included
- Standard finish: ZN
- Wt./C 100 Lbs. (45.3 kg)



## B210A

### Beam Clamp

- Design Load 300 Lbs. (1.33 kN)
- Safety Factor of 5
- $\frac{3}{4}$ " (19.0) Max. flange thickness
- $\frac{3}{8}$ "-16 Setscrew included
- Standard finish: ZN
- Wt./C 60 Lbs. (27.2 kg)

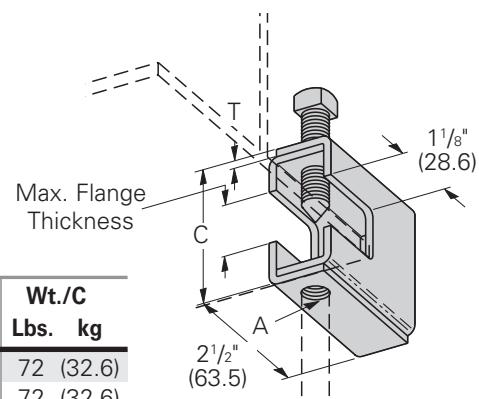


Reference page 154 for general fitting and standard finish specifications.

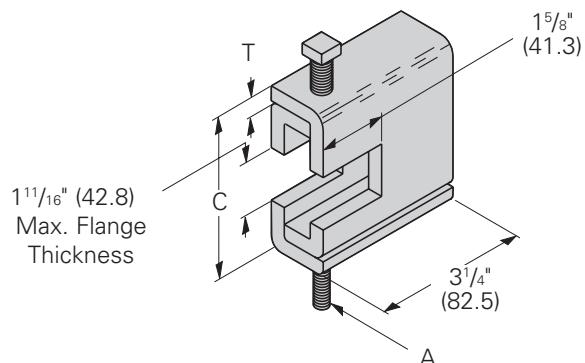
**B303 thru B309 Beam Clamps**

- Safety Factor of 5
- Max. flange thickness  $1\frac{1}{16}$ " (1.6) thru  $7\frac{1}{8}$ " (22.2)
- Setscrew included
- When retaining strap is required, order B312 separately
- Recommended setscrew torque:  $\frac{3}{8}$ "-16 150 in-lbs. (16.9 N•m)  
 $\frac{1}{2}$ "-13 350 in-lbs. (39.5 N•m)
- Standard finishes: ZN, HDG

Part No.	Thread Size A	Setscrew	C In. mm	D In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B303</b>	$\frac{1}{4}$ "-20	$\frac{3}{8}$ "-16	$2\frac{5}{16}$ " (58.7)	11 Ga. (3.0)	400 (1.78)	72 (32.6)
<b>B304</b>	$\frac{5}{16}$ "-18	$\frac{3}{8}$ "-16	$2\frac{5}{16}$ " (58.7)	11 Ga. (3.0)	600 (2.67)	72 (32.6)
<b>B305</b>	$\frac{3}{8}$ "-16	$\frac{3}{8}$ "-16	$2\frac{5}{16}$ " (58.7)	11 Ga. (3.0)	600 (2.67)	72 (32.6)
<b>B306</b>	$\frac{3}{8}$ "-16	$\frac{1}{2}$ "-13	$2\frac{7}{16}$ " (61.9)	7 Ga. (4.5)	1100 (4.89)	97 (44.0)
<b>B307</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13	$2\frac{7}{16}$ " (61.9)	7 Ga. (4.5)	1100 (4.89)	97 (44.0)
<b>B308</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13	$2\frac{9}{16}$ " (65.1)	$\frac{1}{4}$ " (6.3)	1500 (6.67)	133 (60.3)
<b>B309</b>	$\frac{5}{8}$ "-11	$\frac{1}{2}$ "-13	$2\frac{9}{16}$ " (65.1)	$\frac{1}{4}$ " (6.3)	1500 (6.67)	133 (60.3)

**B321 Series Beam Clamps**

- Safety Factor of 5
- $1\frac{11}{16}$ " (42.8) Max. Flange Thickness
- Setscrew included
- When retaining strap is required, order B312 separately
- Recommended setscrew torque:  $\frac{1}{2}$ "-13 350 in-lbs. (39.5 N•m)  
 $\frac{5}{8}$ "-11 700 in-lbs. (79.0 N•m)
- Minimum flange thickness: B321-1 thru B321-3  $\frac{1}{4}$ " (6.3)  
B321-4 and B321-5  $\frac{3}{8}$ " (9.5)
- Standard finishes: ZN, HDG

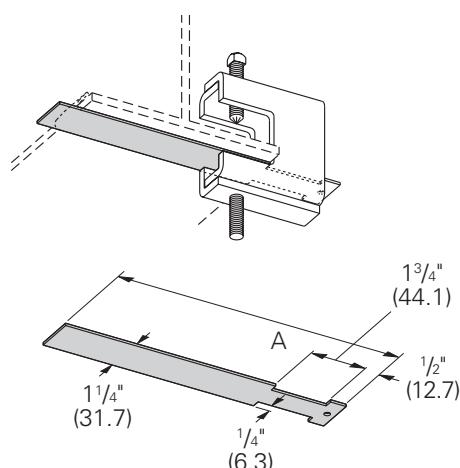


Part No.	Thread Size A	Setscrew Size	C In. mm	D In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B321-1</b>	$\frac{3}{8}$ "-16	$\frac{1}{2}$ "-13	$3\frac{9}{16}$ " (92.1)	$\frac{1}{4}$ " (6.3)	1300 (5.78)	187 (84.8)
<b>B321-2</b>	$\frac{1}{2}$ "-13	$\frac{1}{2}$ "-13	$3\frac{9}{16}$ " (92.1)	$\frac{1}{4}$ " (6.3)	1400 (6.23)	186 (84.3)
<b>B321-3</b>	$\frac{5}{8}$ "-11	$\frac{1}{2}$ "-13	$3\frac{9}{16}$ " (92.1)	$\frac{1}{4}$ " (6.3)	1600 (7.12)	185 (83.9)
<b>B321-4</b>	$\frac{5}{8}$ "-11	$\frac{5}{8}$ "-11	$3\frac{23}{32}$ " (94.4)	$\frac{5}{16}$ " (7.9)	1800 (8.00)	239 (108.4)
<b>B321-5</b>	$\frac{3}{4}$ "-10	$\frac{5}{8}$ "-11	$3\frac{23}{32}$ " (94.4)	$\frac{5}{16}$ " (7.9)	2000 (8.89)	238 (107.9)

**B312 Series**  
**Retaining Strap for use with**  
**B303 thru B309 and B321 Series**

- $\frac{3}{4}$ " (19.0) Max. flange thickness
- For thicker beams, step up one flange width size
- Material: 14 gauge (1.9)
- Standard finishes: GALV, HDG

Part No.	For Flange Width		A In. mm	Wt./C Lbs. kg
	In. mm	mm		
<b>B312-6</b>	6"	(152.4)	9"	(228.6)
<b>B312-9</b>	9"	(228.6)	12"	(304.8)
<b>B312-12</b>	12"	(304.8)	15"	(381.0)
<b>B312-15</b>	15"	(381.0)	18"	(457.2)

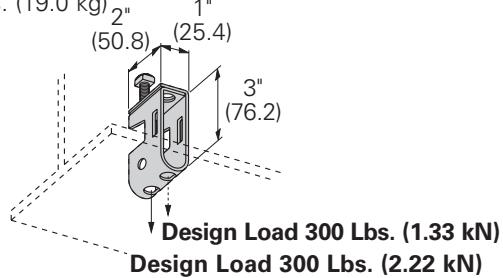


Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

## B751 Beam Clamp

- Safety Factor of 5
- $\frac{3}{4}$ " (19.0) Max. flange thickness
- Setscrew and locknut included
- Maximum ATR size  $\frac{1}{2}$ "
- Use B753 Swivel nut (not included)
- Material: 12 gauge (2.6)
- Standard finish: ZN, HDG
- Wt./C 42 Lbs. (19.0 kg)



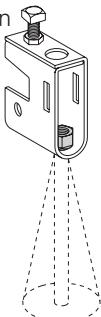
## B751-J\_- $\frac{3}{8}$ Beam Clamp Assembly

- Includes:
  - 1 pc. B751 Beam clamp
  - 1 pc. B701 Type J-Hook only
  - 1 pc. SA203-158 Clip
  - 1 pc.  $\frac{3}{8}$ "-16 Hex Nut
- $\frac{1}{4}$ " (6.3) Diameter J-Hook available upon request  
Part Number changes to B751-J\_- $\frac{1}{4}$  and a  $\frac{1}{4}$ -20 machine square nut (MSQN) is used
- Use B753 Swivel Nut (not included)
- Standard finishes: ZN

Part No.	For Flange Width In. mm	Wt./C Lbs. kg
<b>B751-J4-<math>\frac{3}{8}</math></b>	3"-6" (76.2-152.4)	70 (31.7)
<b>B751-J6-<math>\frac{3}{8}</math></b>	5"-9" (127.0-228.6)	78 (35.4)
<b>B751-J9-<math>\frac{3}{8}</math></b>	8"-12" (203.2-304.8)	83 (37.6)
<b>B751-J12-<math>\frac{3}{8}</math></b>	11"-15" (279.4-381.0)	88 (39.9)

## B753 Swivel Nut

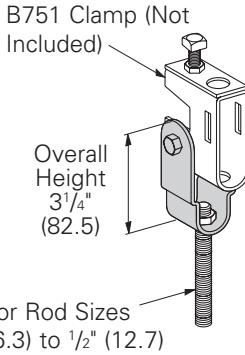
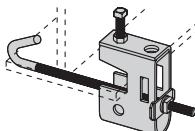
- Provides a full swivel of 15° in any direction
- Specify rod size
- Standard finish: ZN



Part No.	For Rod Size	Wt./C Lbs. kg
<b>B753-<math>\frac{3}{8}</math></b>	$\frac{3}{8}$ "-16	4.0 (1.8)
<b>B753-<math>\frac{1}{2}</math></b>	$\frac{1}{2}$ "-13	3.4 (1.5)

## B752 Beam Clamp Swivel

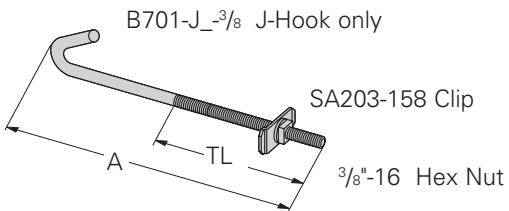
- Design Load 500 Lbs. (2.22 kN)
- Safety Factor of 5
- Material: 12 gauge (2.6)
- Use B753 Swivel nut (not included)
- Includes:
  - 1 pc. B752 Swivel body
  - 1 pc.  $\frac{5}{16}$ "-18 x  $1\frac{3}{4}$ " HHCS
  - 1 pc.  $\frac{5}{16}$ "-18 Hex nut
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)

B701-J\_- $\frac{3}{8}$  J-Hook

B751 Clamp

## B701 Series J-Hook

- $\frac{1}{4}$ " (6.3) Diameter J-Hook available upon request  
Part Number changes to B751-J\_- $\frac{1}{4}$  and a  $\frac{1}{4}$ -20 machine square nut (MSQN) is used
- Standard finish: ZN



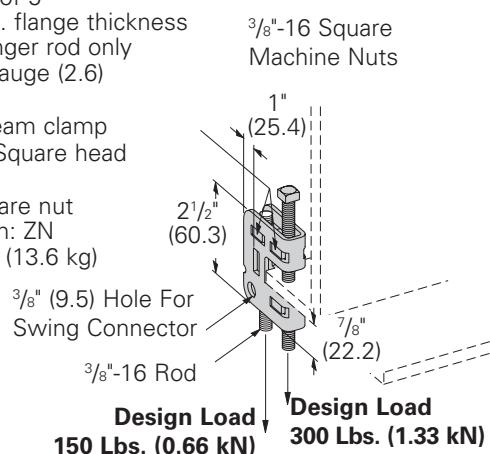
Part No.	A		Thread Length TL		Wt./C	
	In.	mm	In.	mm	Lbs.	kg
<b>B701-J4-<math>\frac{3}{8}</math></b>	8 $\frac{3}{4}$ "	(222.2)	5 $\frac{1}{2}$ "	(139.7)	26	(11.8)
<b>B701-J6-<math>\frac{3}{8}</math></b>	11 $\frac{3}{4}$ "	(298.4)	6 $\frac{1}{2}$ "	(165.1)	34	(15.4)
<b>B701-J9-<math>\frac{3}{8}</math></b>	14 $\frac{3}{4}$ "	(374.6)	6 $\frac{1}{2}$ "	(165.1)	41	(18.6)
<b>B701-J12-<math>\frac{3}{8}</math></b>	17 $\frac{3}{4}$ "	(450.8)	6 $\frac{1}{2}$ "	(165.1)	48	(21.8)

Reference page 154 for general fitting and standard finish specifications.

### B755

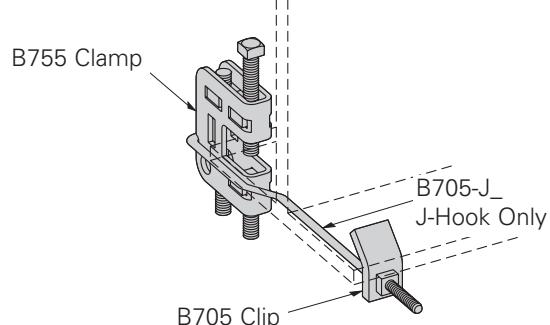
#### 3/8 Beam Clamp

- Safety Factor of 5
- $5/8$ " (15.9) Max. flange thickness
- For  $3/8$ "-16 Hanger rod only
- Material: 12 gauge (2.6)
- Includes:
  - 1 pc. B755 Beam clamp
  - 1 pc.  $3/8$ " x 2" Square head setscrew
  - 2 pcs.  $3/8$ " Square nut
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)



### B755-3/8-J Beam Clamp Assembly

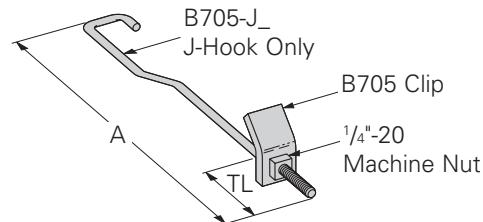
- Includes:
  - 1 pc. B755-3/8 Beam clamp
  - 1 pc. B705 Type J-Hook only
  - 1 pc. B705 Clip
  - 1 pc.  $1/4$ "-20 Square nut
- Standard finish: ZN



Part No.	For Flange Width		Wt./C	
	In.	mm	Lbs.	kg
<b>B755-3/8-J4</b>	4"-6"	(101.6-152.4)	47	(21.3)
<b>B755-3/8-J6</b>	6"-10"	(152.4-254.0)	51	(23.1)
<b>B755-3/8-J10</b>	10"-12"	(254.0-304.8)	53	(24.0)
<b>B755-3/8-J12</b>	12"-14"	(304.8-355.6)	55	(24.9)

### B705 Series J-Hook

- Use with B755-3/8
- Standard finish: ZN



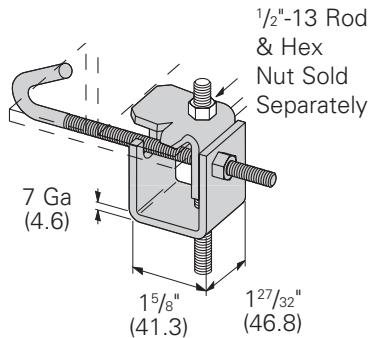
Part No.	A		Thread Length TL		Wt./C	
	In.	mm	In.	mm	Lbs.	kg
<b>B705-J4</b>	7 3/8"	(187.3)	3"	(76.2)	17	(7.7)
<b>B705-J6</b>	11 3/8"	(288.9)	4 1/2"	(114.3)	21	(9.5)
<b>B705-J10</b>	13 3/8"	(339.7)	4 1/2"	(114.3)	23	(10.4)
<b>B705-J12</b>	15 3/8"	(390.5)	4 1/2"	(114.3)	25	(11.3)

Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

## B750 Series Beam Clamp

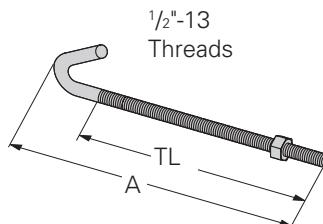
- Safety Factor of 5
- Design Load 500 Lbs. (2.22 kN)
- Recommended Torque: J-Hook nut 125 in-lbs. (14.1 N•m)
- Maximum flange thickness  $\frac{5}{8}$ " (15.9)
- Standard finish: ZN



Part No.	For Flange Width		Wt./C	
	In.	mm	Lbs.	kg
<b>B750-J4</b>	3"-6"	(76.2-152.4)	109	(49.4)
<b>B750-J6</b>	5"-9"	(127.0-228.6)	124	(56.2)
<b>B750-J9</b>	8"-12"	(203.2-304.8)	135	(61.2)
<b>B750-J12</b>	11"-15"	(279.4-381.0)	147	(66.7)

## B700 Series J-Hook

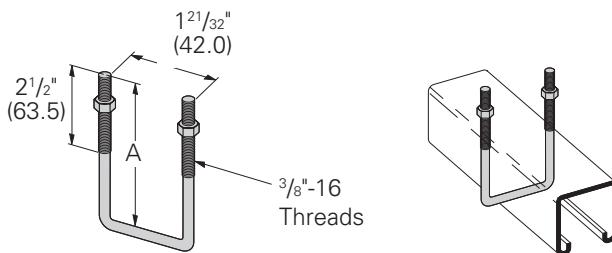
- Includes:
  - 1 pc. J-Bolt
  - 1 pc. Hex Nut
- Maximum flange thickness  $\frac{5}{8}$ " (15.9)
- Standard finish: ZN



Part No.	A		Thread Length TL		Wt./C	
	In.	mm	In.	mm	Lbs.	kg
<b>B700-J4</b>	8 1/2"	(215.9)	6 3/4"	(171.4)	44	(19.9)
<b>B700-J6</b>	11 1/2"	(292.1)	9 3/4"	(247.6)	53	(24.0)
<b>B700-J9</b>	14 1/2"	(368.3)	12 3/4"	(323.8)	63	(28.6)
<b>B700-J12</b>	17 1/2"	(444.5)	15 3/4"	(400.0)	78	(35.4)

## B500 Series Square U-Bolt

- Includes:
  - 1 pc. U-Bolt only
  - 2 pcs.  $\frac{3}{8}$ "-16 Hex nuts
- Additional sizes available
- Standard finish: ZN, SS4

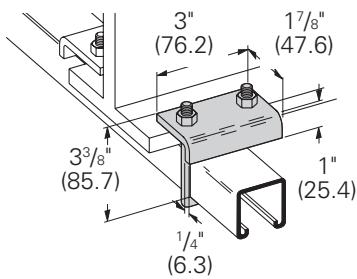


Part No.	In.	mm	Channel Size		Wt./C	
			In.	mm	Lbs.	kg
<b>B500-3-3/8</b>	3 3/8"	(85.7)	1 5/8" x 1 5/8"	(41.3 x 41.3)	25	(11.3)
<b>B500-5</b>	5"	(127.0)	3 1/4" x 1 5/8"	(82.5 x 41.3)	33	(14.9)

Reference page 154 for general fitting and standard finish specifications.

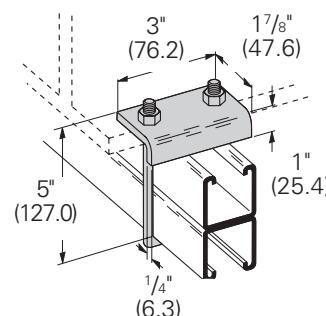
### B441-22 Beam Clamp

- Design Load 1850 Lbs. (8.23 kN) when used in pairs
- Safety Factor of 5
- $3/4"$  (19.0) Max. flange thickness
- For use with  $13/16"$  (20.6) to  $1\frac{5}{8}"$  (41.3) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Sold in pieces
- Other flange thickness variations are available, contact us for sizes
- Standard finishes: ZN, HDG, SS4
- Wt./C 87 Lbs. (39.4 kg)



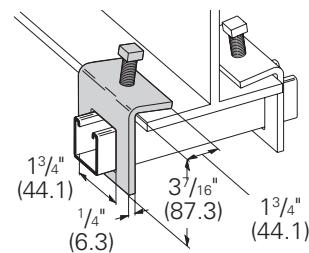
### B441-22A Beam Clamp

- Design Load 1850 Lbs. (8.23 kN) when used in pairs
- Safety Factor of 5
- $3/4"$  (19.0) Max. flange thickness
- For use with  $1\frac{5}{8}"$  (41.3) to  $3\frac{1}{4}"$  (82.5) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Sold in pieces
- Other flange thickness variations are available, contact us for sizes
- Standard finishes: ZN, HDG, SS4
- Wt./C 93 Lbs. (42.2 kg)



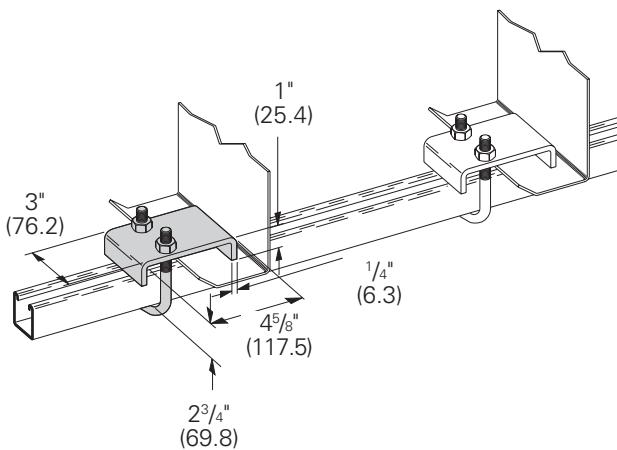
### B314 Beam Clamp

- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- $5/8"$  (15.9) Max. flange thickness
- For use with channel  $1\frac{5}{8}"$  (41.3) in height
- Setscrew included
- Sold in pieces
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 105 Lbs. (47.6 kg)



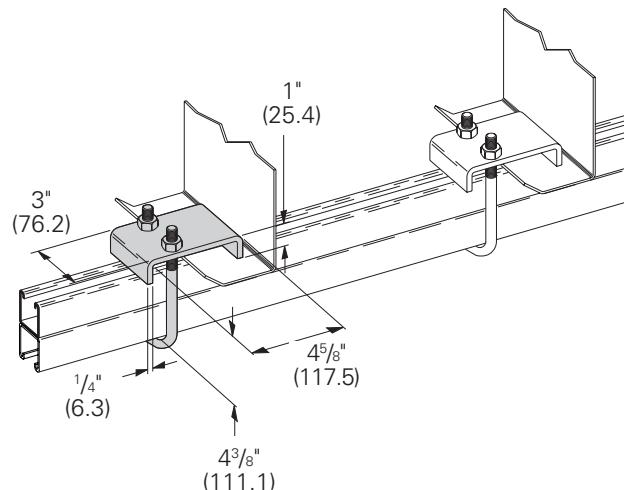
### B441Z-22 Beam Clamp

- Design Load 1200 Lbs. (5.34 kN) when used in series
- Safety Factor of 5
- Sold in pieces
- For use with  $13/16"$  (20.6) to  $1\frac{5}{8}"$  (41.3) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Standard finishes: ZN
- Wt./C 95 Lbs. (43.1 kg)



### B441Z-22A Beam Clamp

- Design Load 1200 Lbs. (5.34 kN) when used in series
- Safety Factor of 5
- Sold in pieces
- For use with  $1\frac{5}{8}"$  (41.3) to  $3\frac{1}{4}"$  (82.5) high channel
- Recommended Torque: 150 in-lbs. (16.9 N•m)
- Standard finishes: ZN
- Wt./C 101 Lbs. (45.8 kg)

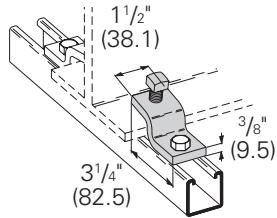


Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

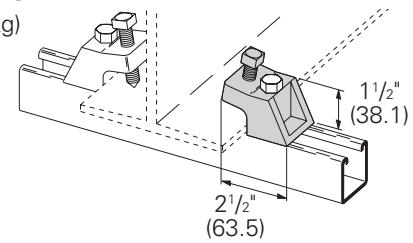
## B211 Zee Beam Clamp

- Design Load 600 Lbs. (2.67 kN) when used in pairs
- Safety Factor of 5
- 1" (25.4) Max. flange thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Order 1/2"-13 HHCS and channel nut separately
- Standard finishes: ZN, HDG
- Wt./C 66 Lbs. (29.9 kg)



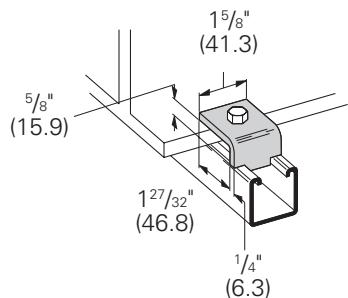
## B213 I-Beam Clamp

- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- 7/8" (22.2) Max. flange thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Order 1/2"-13 x 2 1/4" HHCS and channel nut separately
- Material: Malleable iron
- Standard finishes: ZN, GRN
- Wt./C 95 Lbs. (43.1 kg)



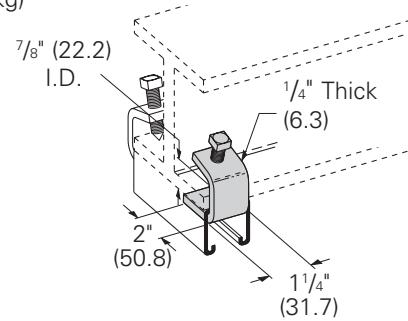
## B355 Beam Clamp

- Design Load 1200 Lbs. (5.34 kN) when used in pairs
- Safety Factor of 5
- 5/8" (15.9) Max. flange thickness
- Sold in pieces
- Order 1/2"-13 x 1 1/2" HHCS and channel nut separately
- Standard finishes: ZN, GRN, HDG, SS4
- Wt./C 30 Lbs. (13.6 kg)



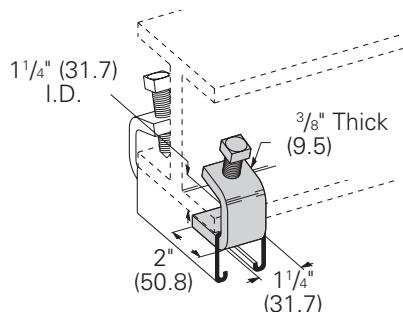
## B212-1/4 I-Beam Clamp

- Design Load 600 Lbs. (2.67 kN) when used in pairs
- Safety Factor of 5
- 7/8" (22.2) Max. flange thickness
- 3/8"-16 Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 41 Lbs. (18.6 kg)



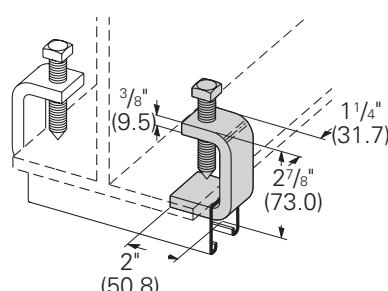
## B212-3/8 I-Beam Clamp

- Design Load 1000 Lbs. (4.45 kN) when used in pairs
- Safety Factor of 5
- 1 1/8" (28.6) Max. flange thickness
- 1/2"-13 Setscrew included
- Sold in pieces
- Standard finishes: ZN, HDG
- Wt./C 62 Lbs. (28.1 kg)



## B435 Beam Clamp

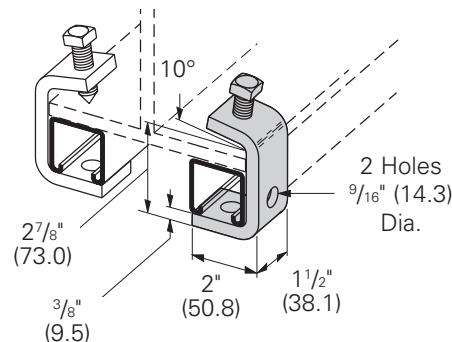
- Design Load 900 Lbs. (4.00 kN) when used in pairs
- Safety Factor of 5
- 2 1/8" (54.0) Max. flange thickness
- 1/2"-13 x 2" Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 82 Lbs. (37.2 kg)



Reference page 154 for general fitting and standard finish specifications.

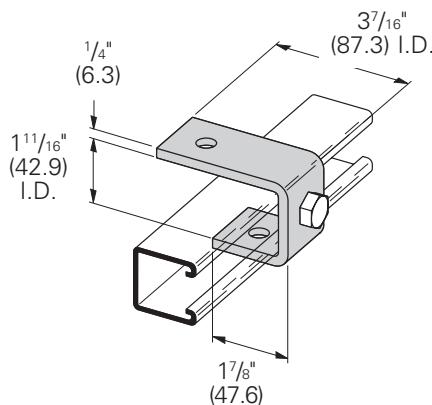
## B427 Beam Clamp

- Design Load 1100 Lbs. (4.89 kN) when used in pairs
- Safety Factor of 5
- $2\frac{1}{2}$ " (63.5) Max. flange thickness without channel
- $\frac{1}{2}$ "-13 x  $1\frac{1}{2}$ " Setscrew included
- Sold in pieces
- Standard finish: ZN
- Wt./C 92 Lbs. (41.7 kg)



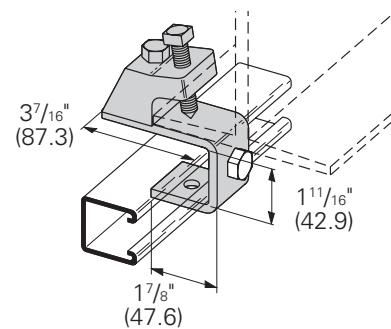
## B405 Suspension Member

- Standard finishes: ZN, GRN
- Wt./C 75 Lbs. (34.0 kg)



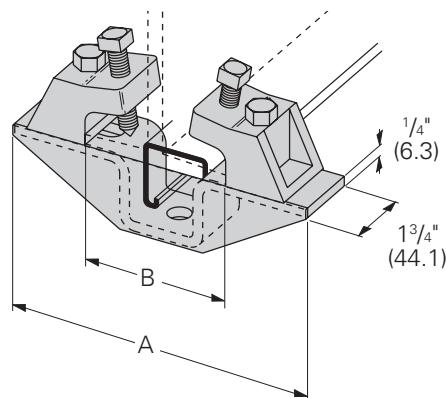
## B405A Suspension Member with Beam Clamp

- $7\frac{1}{8}$ " (22.2) Max. flange thickness
- Includes:
  - 1 pc. B405 Suspension member
  - 1 pc. B213 I-Beam clamp
  - 1 pc.  $\frac{1}{2}$ "-13 x  $2\frac{1}{2}$ " HHCS
  - 1 pc.  $\frac{1}{2}$ "-13 Hex Nut
- Material: Malleable iron
- Standard finishes: ZN, GRN
- Wt./C 183 Lbs. (83.0 kg)



## B602A THRU B602C Beam Clamp with Gusset Assembly

- Safety Factor of 5
- $7\frac{1}{8}$ " (22.2) Max. flange thickness
- Includes:
  - 1 pc. B451 Slotted three hole 'U' support with gusset
  - 2 pcs. B213 I-Beam clamp
  - 2 pcs.  $\frac{1}{2}$ "-13 x  $2\frac{1}{2}$ " HHCS
  - 2 pcs.  $\frac{1}{2}$ "-13 Hex nuts
- Material: Malleable iron
- Standard finishes: ZN, GRN



Part No.	A In. mm	For Flange Width B In. mm	Design Load Lbs. kN	Wt./C Lbs. kg
<b>B602A</b>	$7\frac{1}{4}$ " (184.1)	$2\frac{3}{8}$ "- $4\frac{1}{2}$ " (60.3-114.3)	1200 (5.34)	365 (165.1)
<b>B602B</b>	$8\frac{1}{2}$ " (215.9)	$3\frac{3}{4}$ "- $5\frac{3}{4}$ " (95.2-146.0)	1200 (5.34)	383 (173.7)
<b>B602C</b>	$10\frac{3}{8}$ " (263.5)	$5\frac{5}{8}$ "- $7\frac{5}{8}$ " (142.9-193.7)	1200 (5.34)	408 (185.0)

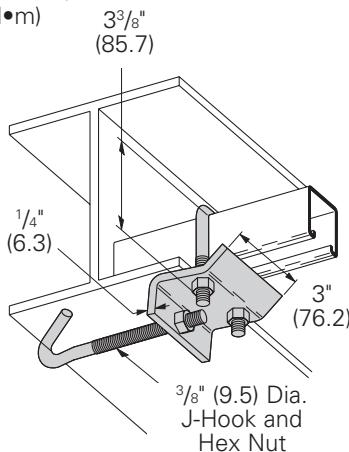
Reference page 154 for general fitting and standard finish specifications.

# Beam clamps

## B760-22 Series

### Beam Clamp

- 1" (25.4) Max. flange thickness
- For use with  $1\frac{3}{16}$ " (20.6) to  $1\frac{5}{8}$ " (41.3) high channel
- Recommended Torques:  
U-Bolt nuts 150 in-lbs. (16.9 N•m)  
J-Hook nut 60 in-lbs. (6.8 N•m)
- Includes:  
1 pc. B760 Plate  
1 pc. B701 Type  
J-Hook only  
1 pc. B500- $3\frac{3}{8}$ "  
U-Bolt only  
3 pcs.  $\frac{3}{8}$ "-16 Hex nuts
- Standard finish: ZN

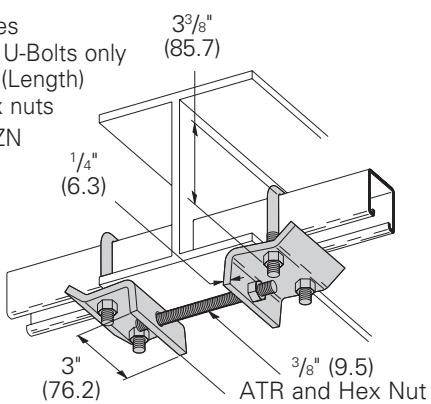


Part No.	For Flange Width		Wt./c
	In.	mm	
<b>B760-22-J4</b>	4"- $5\frac{7}{8}$ "	(101.6-149.2)	122 (55.3)
<b>B760-22-J6</b>	6"- $8\frac{7}{8}$ "	(152.4-225.4)	129 (58.5)
<b>B760-22-J9</b>	9"- $11\frac{7}{8}$ "	(228.6-301.6)	135 (61.2)
<b>B760-22-J12</b>	12"- $14\frac{7}{8}$ "	(304.8-377.8)	141 (63.9)

## B761-22 Series

### Beam Clamp

- 1" (25.4) Max. flange thickness
- For use with  $1\frac{3}{16}$ " (20.6) to  $1\frac{5}{8}$ " (41.3) high channel
- Recommended Torques:  
U-Bolt nuts 150 in-lbs. (16.9 N•m)  
ATR nuts 60 in-lbs. (6.8 N•m)
- Includes:  
2 pcs. B700 Plates  
2 pcs. B500- $3\frac{3}{8}$ " U-Bolts only  
1 pc.  $\frac{3}{8}$ "-16 ATR (Length)  
6 pcs.  $\frac{3}{8}$ "-16 Hex nuts
- Standard finish: ZN

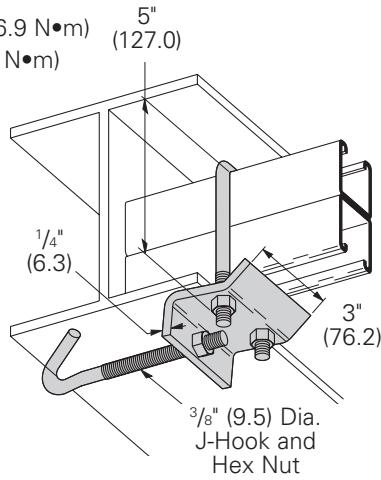


Part No.	For Flange Width		ATR Length	Wt./C
	In.	mm		
<b>B761-22-4</b>	4"- $5\frac{7}{8}$ "	(101.6-149.2)	4" (101.6)	202 (91.6)
<b>B761-22-6</b>	6"- $8\frac{7}{8}$ "	(152.4-225.4)	6" (152.4)	206 (93.4)
<b>B761-22-9</b>	9"- $11\frac{7}{8}$ "	(228.6-301.6)	9" (228.6)	214 (97.0)
<b>B761-22-12</b>	12"- $14\frac{7}{8}$ "	(304.8-377.8)	12" (304.8)	221(100.2)

## B760-22A Series

### Beam Clamp

- 1" (25.4) Max. flange thickness
- For use with  $1\frac{5}{8}$ " (41.3) to  $3\frac{1}{4}$ " (82.5) high channel
- Recommended Torques:  
U-Bolt nuts 150 in-lbs. (16.9 N•m)  
J-Hook nut 60 in-lbs. (6.8 N•m)
- Includes:  
1 pc. B760 Plate  
1 pc. B701 Type  
J-Hook only  
1 pc. B500-5"  
U-Bolt only  
3 pcs.  $\frac{3}{8}$ "-16 Hex nuts
- Standard finish: ZN

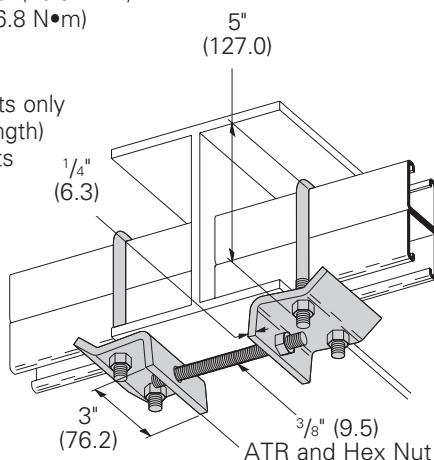


Part No.	For Flange Width		Wt./c
	In.	mm	
<b>B760-22A-J4</b>	4"- $5\frac{7}{8}$ "	(101.6-149.2)	129 (58.5)
<b>B760-22A-J6</b>	6"- $8\frac{7}{8}$ "	(152.4-225.4)	136 (61.7)
<b>B760-22A-J9</b>	9"- $11\frac{7}{8}$ "	(228.6-301.6)	142 (64.4)
<b>B760-22A-J12</b>	12"- $14\frac{7}{8}$ "	(304.8-377.8)	148 (67.1)

## B761-22A Series

### Beam Clamp

- 1" (25.4) Max. flange thickness
- For use with  $1\frac{5}{8}$ " (41.3) to  $3\frac{1}{4}$ " (82.5) high channel
- Recommended Torques:  
U-Bolt nuts 150 in-lbs. (16.9 N•m)  
ATR nuts 60 in-lbs. (6.8 N•m)
- Includes:  
2 pcs. B700 Plates  
2 pcs. B500-5" U-Bolts only  
1 pc.  $\frac{3}{8}$ "-16 ATR (Length)  
6 pcs.  $\frac{3}{8}$ "-16 Hex nuts
- Standard finish: ZN



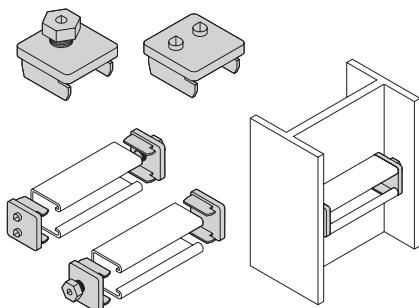
Part No.	For Flange Width		ATR Length	Wt./C
	In.	mm		
<b>B761-22A-4</b>	4"- $5\frac{7}{8}$ "	(101.6-149.2)	4" (101.6)	216 (98.0)
<b>B761-22A-6</b>	6"- $8\frac{7}{8}$ "	(152.4-225.4)	6" (152.4)	220 (99.8)
<b>B761-22A-9</b>	9"- $11\frac{7}{8}$ "	(228.6-301.6)	9" (228.6)	228(103.4)
<b>B761-22A-12</b>	12"- $14\frac{7}{8}$ "	(304.8-377.8)	12" (304.8)	235(106.6)

Reference page 154 for general fitting and standard finish specifications.

### B614

#### Column Support for B22

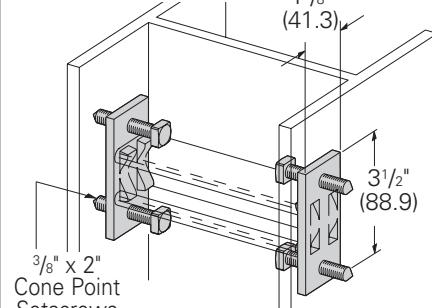
- Quick installation (one bolt to tighten)
- Design Load 800 Lbs. (3.56 kN) slip with Safety Factor of 3
- Use with B22 and B24 channel
- Sold in pairs
- Standard finish: ZN
- Wt./C 50 Lbs. (22.6 kg)



### B613

#### Column Support for B22

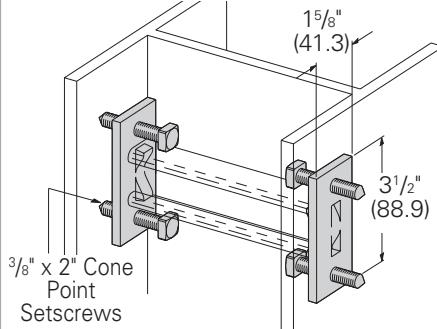
- Design Load 800 Lbs. (3.56 kN) slip with Safety Factor of 3
- Use with B22 and B24 channel
- Setscrews to be torqued to 19 ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



### B613A

#### Column Support for B52

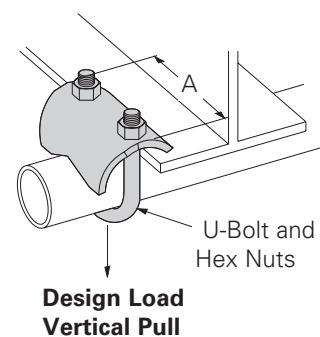
- Design Load 800 Lbs. (3.56 kN) slip with Safety Factor of 3
- Use with B52 and B54 channel
- Setscrews to be torqued to 19 ft./Lbs
- Sold in pairs
- Standard finishes: ZN, GRN, HDG
- Wt./C 100 Lbs. (45.3 kg)



### B422 Series Right Angle Clamp

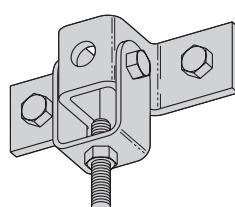
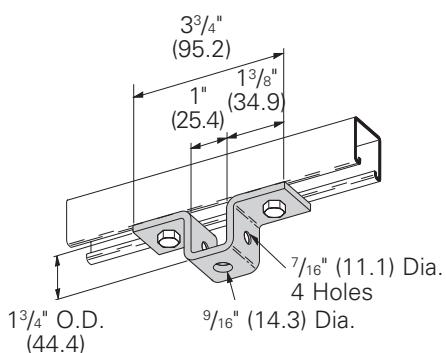
- Safety Factor of 5
- Material: 7 gauge (4.5)
- Standard finishes: ZN, SS4

Part No.	Conduit Size In. mm	A In. mm	Design Load Vertical Pull Lbs. kN	Wt./C Lbs. kg
<b>B422-1/2</b>	1/2" (15)	2 3/8" (60.3)	250 (1.11)	38 (17.2)
<b>B422-3/4</b>	3/4" (20)	2 3/8" (60.3)	300 (1.33)	39 (17.7)
<b>B422-1</b>	1" (25)	2 7/8" (73.0)	400 (1.78)	48 (21.8)
<b>B422-1 1/4</b>	1 1/4" (32)	2 7/8" (73.0)	400 (1.78)	50 (22.7)
<b>B422-1 1/2</b>	1 1/2" (40)	3 1/4" (82.5)	500 (2.22)	59 (26.7)
<b>B422-2</b>	2" (50)	3 11/16" (93.7)	600 (2.67)	75 (34.0)
<b>B422-2 1/2</b>	2 1/2" (65)	4 1/4" (107.9)	700 (3.11)	98 (44.4)
<b>B422-3</b>	3" (80)	4 7/8" (123.8)	800 (3.56)	111 (50.3)
<b>B422-3 1/2</b>	3 1/2" (90)	5 7/16" (138.1)	900 (4.00)	123 (55.8)
<b>B422-4</b>	4" (100)	6" (152.4)	1000 (4.45)	135 (61.2)



### B107S U-Support

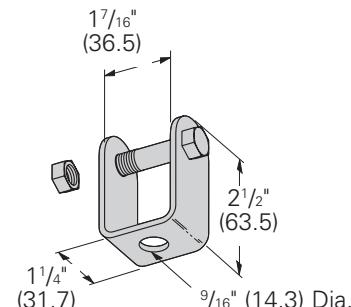
- Material: 7 gauge (4.5)
- Standard finishes: ZN, GRN
- Wt./C 51 Lbs. (23.1 kg)



- Illustration shows B107S and B593 used together
- Design Load 900 Lbs., strength of assembly only
- Verify anchorage

### B593 Clevis Swivel

- Includes:
  - 1 pc. 3/8"-16 x 2" HHCS
  - 1 pc. 3/8"-16 Hex Nut
- Material: 11 gauge (3.0)
- Standard finishes: ZN, GRN
- Wt./C 31 Lbs. (14.0 kg)



Reference page 154 for general fitting and standard finish specifications.