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75A120 CBTY 6X120 STRT BARR

COOPER B-LINE/CABLE TRAY

Catalog Number	75A120
Manufacturer	COOPER B-LINE/CABLE TRAY
Description	Barrier Strip, Electrical Application, 6 in Height, 120 in Length, Made in USA, Aluminum Material, Screw Mount Mounting Type, Furnished with four #10 x 1/2" Plated Self-Drilling Screws and a 99-9982 Barrier Strip Splice. Special Features, Flat Style, 5 in Width
Weight per unit	3.7 (lbs/each)
Product Category	Ducts, Raceways, Runways, Tray

Descriptions

Description	CBTY 6X120 STRT BARR

Manufacturer Information

Brand	Cooper B-Line/Cable Tray
Manufacturers Part Number	75A-120
UPC	781011

Taxonomies, Classifications, and Categories

Category Description	WIRE DUCT AND COVERS

Packaging

Carton	1
Weight Per Each	3.7 (lbs/each)

The following is a list of accessories and fittings that can be provided with S8A tray. For more information on these items, contact our Engineering Department.

● Fittings

Horizontal Bends
30° Bends with 24", 36", or 48" radius
45° Bends with 24", 36", or 48" radius
60° Bends with 24", 36", or 48" radius
90° Bends with 24", 36", or 48" radius

Horizontal Tees & Crosses
With 24", 36", or 48" radius

Vertical Outside Bends
30° Bends with 24", 36", or 48" radius
45° Bends with 24", 36", or 48" radius
60° Bends with 24", 36", or 48" radius
90° Bends with 24", 36", or 48" radius

Vertical Inside Bends
30° Bends with 24", 36", or 48" radius
45° Bends with 24", 36", or 48" radius
60° Bends with 24", 36", or 48" radius
90° Bends with 24", 36", or 48" radius

Reducing Fittings

● Accessories - (standard hardware is stainless steel Type 316)

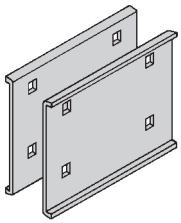
Splice Plate - 9A-1008
Expansion Splice Plate - 9A-1018
Horizontal Adjustable Splice Plate - 9A-1038
Vertical Adjustable Splice Plate - 9A-1028
Hold Down Clamps - 9ZN-1281, 9G-1281, 9A-1281
Guides - S9ZN-1202, S9G-1202
Step Down Splice Plate -
9A-1048 = 8" to 4"
9A-1051 = 8" to 5"
9A-1050 = 8" to 6"
9A-1078 = 8" to 7"
Other Accessories Include:
Offset Splice Plates
Blind Ends
Covers - Standard aluminum cover number with S in front (Example: S807A40)

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Wedge Lock Splice Plates

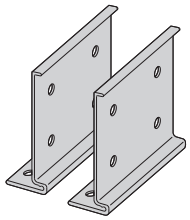
- Furnished in pairs with 1/4" hardware.
- Standard 4-hole pattern.
- Furnished in pairs, with hardware.
- One pair including hardware provided with each section. (Expansion splice quantity subtracted)
- Boxed in pairs with hardware.
- For field installation drill 13/32" hole.



Catalog No.	Height in.	Height mm
9A-1004	4	(101)
9A-1005	5	(127)
9A-1006	6	(152)
9A-1007	7	(178)

H46A, H47A and 57A Mid-Span Splice

- Furnished in pairs with 1/4" hardware.
- Standard for H46A, H47A and 57A straight sections.
- Six bolt design 1/2" Stainless Steel Type 316 hardware standard.
- Available on ladder bottoms only. 09 and 12" rung spacing.
- Furnished in pairs with hardware.

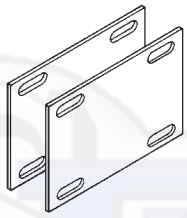


Catalog No.	Tray Series
9A-6006	H46A
9A-6007	H47A, 57A

Expansion Splice Plates

- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required on each siderail. Order Separately.**

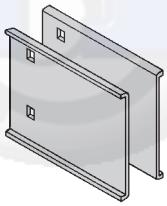
For heavy duty expansion splice plates see page APP-3.



Catalog No.	Height in.	Height mm
9A-1014	4	(101)
9A-1015	5	(127)
9A-1016	6	(152)
9A-1017	7	(178)

Universal Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.

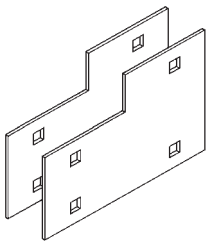


Catalog No.	Height in.	Height mm
9A-1004-1/2	4	(101)
9A-1005-1/2	5	(127)
9A-1006-1/2	6	(152)
9A-1007-1/2	7	(178)

Step Down Splice Plates

- These splice plates are offered for connecting cable tray sections having side rails of different heights.
- Furnished in pairs with hardware.

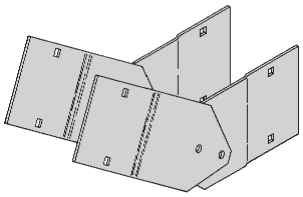
Requires supports within 24" on both sides, per NEMA VE 2.



Catalog No.	Height in.	Height mm
9A-1045	5 to 4	(127 to 101)
9A-1046	6 to 4	(152 to 101)
9A-1060	6 to 5	(152 to 127)
9A-1047	7 to 4	(178 to 101)
9A-1061	7 to 5	(178 to 127)
9A-1062	7 to 6	(178 to 152)

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- Bonding Jumpers not required.



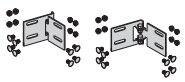
Catalog No.	Height in.	Height mm
9A-1024	4	(101)
9A-1025	5	(127)
9A-1026	6	(152)
9A-1027	7	(178)

Green = Fastest shipped items Black = Normal lead-time items Red = Normally long lead-time items

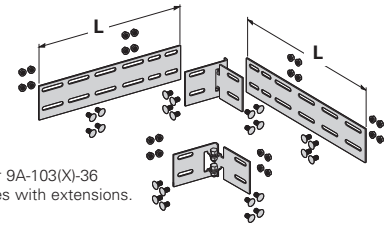
All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- Bonding jumpers **not** required.
- (X) Insert 4, 5, 6 or 7 for side rail height.



9A-103(X)
Splice only



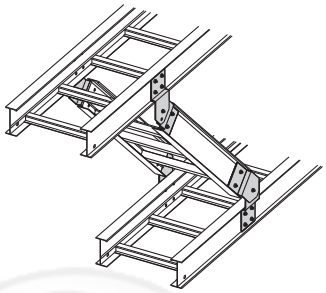
9A-103(X)-12 or 9A-103(X)-36
One pair splice plates with extensions.

Requires supports within 24" on both sides, per NEMA VE 2.

Catalog No.	Cable Tray End Cut	Thru Tray Width in. (mm)	'L' in. (mm)
● 9A-103(X)	Mitered	36 (914)	N/A (NA)
● 9A-103(X)-12	Not mitered	12 (305)	16 (406)
● 9A-103(X)-36	Not mitered	36 (914)	41 (1041)

Branch Pivot Connectors

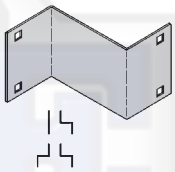
- Branch from existing cable tray runs at any point.
- Pivot to any required angle.
- UL Classified for grounding (bonding jumpers not required).
- Furnished in pairs with hardware.



Catalog No.	Height in. mm
● 9A-2044	4 (101)
● 9A-2045	5 (127)
● 9A-2046	6 (152)
● 9A-2047	7 (178)

Offset Reducing Splice Plate

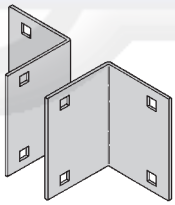
- This plate is used for joining cable trays having different widths. When used in pairs they form a straight reduction; when used singly with a standard splice plate, they form an offset reduction.
- Furnished as one plate with hardware.
- (‡) Insert reduction



Catalog No.	Height in. mm
● 9A-1064-(‡)	4 (101)
● 9A-1065-(‡)	5 (127)
● 9A-1066-(‡)	6 (152)
● 9A-1067-(‡)	7 (178)

Tray to Box Splice Plates

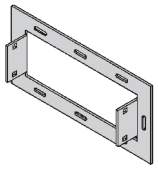
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware



Catalog No.	Height in. mm
● 9A-1054	4 (101)
● 9A-1055	5 (127)
● 9A-1056	6 (152)
● 9A-1057	7 (178)

Frame Type Box Connector

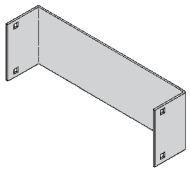
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.



Catalog No.	Height in. mm
● 9A-1074-(‡)	4 (101)
● 9A-1075-(‡)	5 (127)
● 9A-1076-(‡)	6 (152)
● 9A-1077-(‡)	7 (178)

Blind End

- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- (‡) Insert tray width



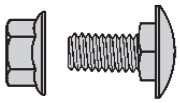
Catalog No.	Height in. mm
● 9A-1084-(‡)	4 (101)
● 9A-1085-(‡)	5 (127)
● 9A-1086-(‡)	6 (152)
● 9A-1087-(‡)	7 (178)

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Standard Tray Hardware (for field installation drill 13/32" hole)

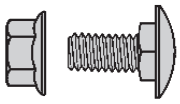
- Finish: Zinc Plated ASTM B633 SC1



Catalog No.	Description
● SNCB 3/8" x 3/4" ZN	Square Neck Carriage Bolt ASTM A307 Grade A
● SFHN 3/8"-16 ZN	Serrated Flange Hex Nut ASTM A563 Grade A

Optional Tray Hardware (for field installation drill 13/32" hole)

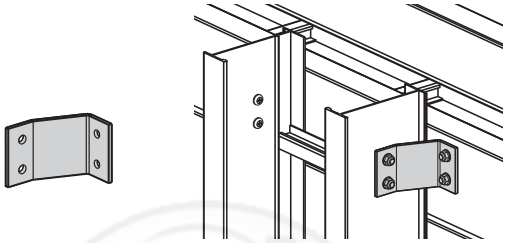
- To order 316 stainless steel hardware add SS6 suffix to catalog number - Example: 9A1004SS6



Catalog No.	Description
● SNCB 3/8" x 3/4" SS6	Square Neck Carriage Bolt AISI 316 Stainless Steel
● SFHN 3/8"-16 SS6	Serrated Flange Hex Nut AISI 316 Stainless Steel

Cross Connector Bracket

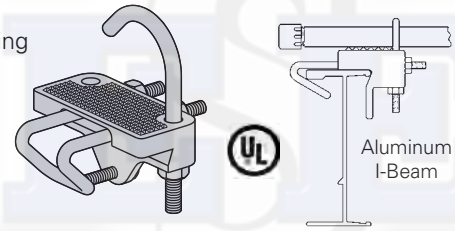
- For field connecting crossing section.
- Furnished in pairs with 3/8" hardware.



Catalog No.
● 9A-1240

Conduit to Cable Tray Adaptor

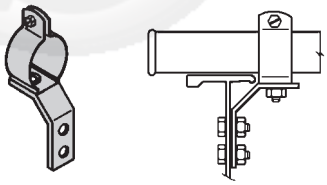
- For easy attachment of conduit terminating at a cable tray.
- Use on aluminum or steel cable trays.



Catalog No.	Conduit Size in.	mm
● 9G-1158-1/2, 3/2	1/2, 3/4	(15, 20)
● 9G-1158-1, 1 1/4	1, 1 1/4	(25, 32)
● 9G-1158-1 1/2, 2	1 1/2, 2	(40, 50)
● 9G-1158-2 1/2, 3	2 1/2, 3	(65, 80)
● 9G-1158-3 1/2, 4	3 1/2, 4	(90, 100)

Conduit to Cable Tray Adaptor

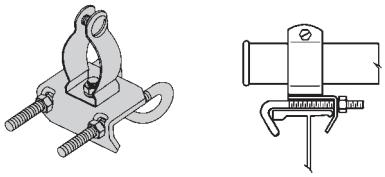
- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- (‡) = Insert conduit size (1/2" thru 4").



Catalog No.
● 9ZN-1150-(‡)

Conduit to Cable Tray Adaptor

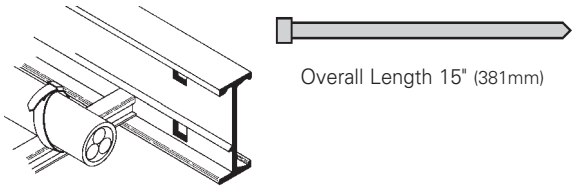
- Assembly required.
- Conduit clamps included.
- (‡) = Insert conduit size (1/2" thru 4").



Catalog No.
● 9ZN-1155-(‡)

Cable Tie (Ladder Tray)

- Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. is 3" (76mm).



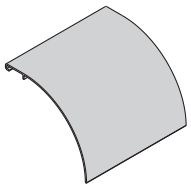
Catalog No.
● 99-2125-15

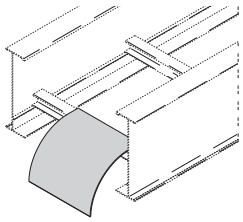
● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Ladder Drop-Out

- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101 mm) radius to protect cable as it exits from the cable tray, preventing damage to insulation. The drop-out will attach to any desired rung.
- (‡) Insert tray width

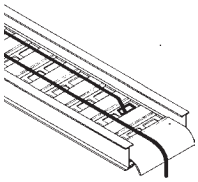


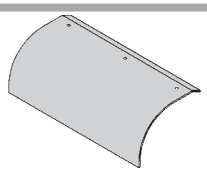


Catalog No.
9A-1104-(‡)

Trough Drop-Out & Drop-Out Bushing

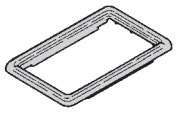
- These devices provide a rounded surface to protect cable as it exits from the trough-type cable tray.
- Hardware is included for attachment of the trough bottom drop-out.
- (‡) Insert tray width





Trough-Type Drop-Out

Catalog No.
9A-1104T-(‡)

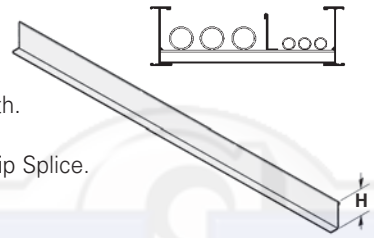


Snap-In Plastic Bushing

Catalog No.
99-1124

Barrier - Straight Section

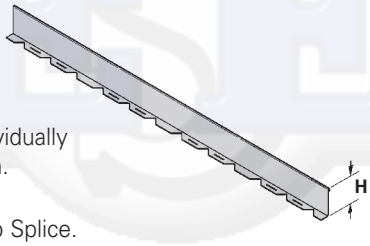
- Length: Insert 120 for [120" - 10 ft.] (3.0 m) or 144 for [144" - 12 ft.] (3.6 m)
- Order catalog number based on loading depth.
- Furnished with four #10 x ½" plated self-drilling screws and a 99-9982 Barrier Strip Splice.



Catalog No.	Side Rail Height in.	Side Rail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-Length	4	(101)	3	(76)
74A-Length	5	(127)	4	(101)
75A-Length	6	(152)	5	(127)
76A-Length	7	(178)	6	(152)

Barrier - Horizontal Bend

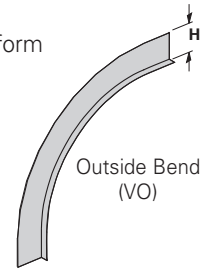
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Can be cut to desired length.
- Standard length is 72" [6 ft.] (1.8 m) - sold individually
- Order catalog number based on loading depth.
- Furnished with three #10 x ½" plated self-drilling screws and a 99-9982 Barrier Strip Splice.



Catalog No.	Side Rail Height in.	Side Rail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-90HBFL	4	(101)	3	(76)
74A-90HBFL	5	(127)	4	(101)
75A-90HBFL	6	(152)	5	(127)
76A-90HBFL	7	(178)	6	(152)

Barrier - Vertical Outside Bend

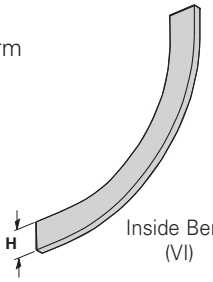
- Vertical Outside Bend Barriers are preformed to conform to a specific vertical outside bend fitting.
- Furnished with three #10 x ½" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



Catalog No.	Side Rail Height in.	Side Rail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-(*)VO(†)	4	(101)	3	(76)
74A-(*)VO(†)	5	(127)	4	(101)
75A-(*)VO(†)	6	(152)	5	(127)
76A-(*)VO(†)	7	(178)	6	(152)

Barrier - Vertical Inside Bend

- Vertical Inside Bend Barriers are preformed to conform to a specific vertical inside bend fitting.
- Furnished with three #10 x ½" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



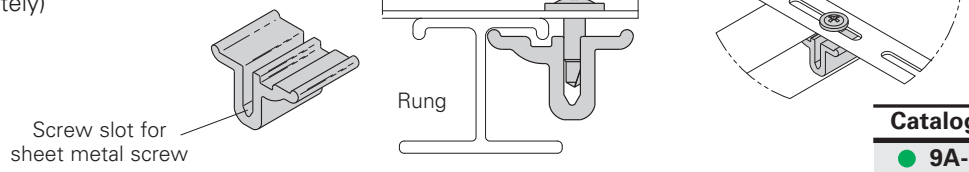
Catalog No.	Side Rail Height in.	Side Rail Height mm	Loading Depth 'H' in.	Loading Depth 'H' mm
73A-(*)VI(†)	4	(101)	3	(76)
74A-(*)VI(†)	5	(127)	4	(101)
75A-(*)VI(†)	6	(152)	5	(127)
76A-(*)VI(†)	7	(178)	6	(152)

Green = Fastest shipped items Black = Normal lead-time items Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Barrier Strip Clip

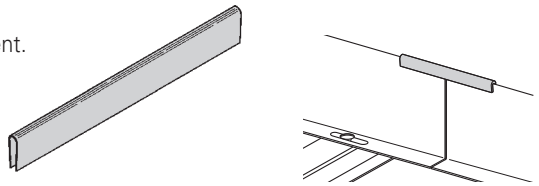
- Provides attachment to rung.
- Allows for installed barrier adjustment.
- Asymmetrical clip provides a wide range for screw location.
- Barriers strip clips not included with barriers. (Must be ordered separately)



Catalog No.
9A-RBC

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.
- 3" (76mm) long.

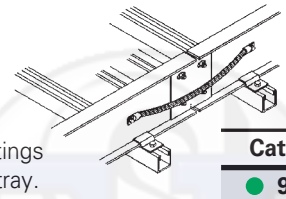


Catalog No.
99-9982

Bonding Jumper

Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground. Sold individually.

- Hardware included.
- See table 392.6(B)(2) on page CTS-9 for amperage ratings required to match the UL cross-sectional area of the tray.
- See tray loading chart for UL cross-sectional area.
- Bonding jumper is 14 1/2" (368mm) long.

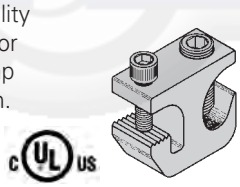


Catalog No.	Copper Wire Size	Ampacity
99-N1	#1	600
99-40	4/0	1600
99-1620	250 MCM	2000

Grounding Clamp

Eaton's B-Line series cable tray is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each cable tray section.

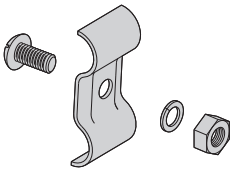
- Accepts #6 AWG to 250 MCM.



Catalog No.	Material
9A-2130	Tin Plated Aluminum

Ground Wire Clamp

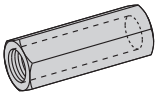
- Mechanically attaches grounding cables to cable tray.
- Hardware included.
- (*) Insert ZN or SS4

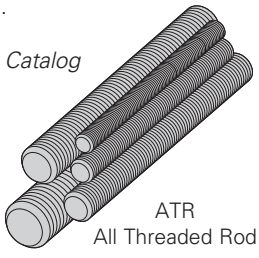


Catalog No.	Material
9(*)-2351	#1 thru 2/0
9(*(-2352	3/0 thru 250 MCM

Thread Rod (ATR) & Rod Couplings

Loading based on safety factor 5.
Standard Finish: Zinc plated
See B-Line series Strut Systems Catalog for other sizes and finishes.


B655
Rod Coupling


ATR
All Threaded Rod

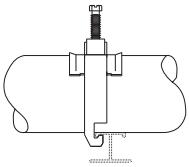
Size	Catalog No.	Available Length	Loading
All Threaded Rod			
3/8"-16	ATR 3/8" x Length	36", 72", 120", 144"	730 lbs.
1/2"-13	ATR 1/2" x Length	36", 72", 120", 144"	1350 lbs.
Rod Coupling			
3/8"-16	B655-3/8"	NA	730 lbs.
1/2"-13	B655-1/2"	NA	1350 lbs.

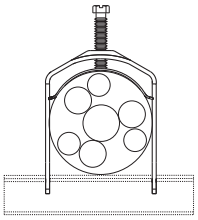
Green = Fastest shipped items Black = Normal lead-time items Red = Normally long lead-time items

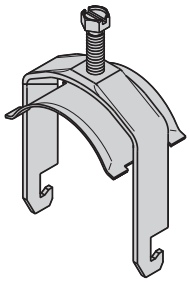
All dimensions in parentheses are millimeters unless otherwise specified.

Stainless Steel Cable Clamp 'P'

- Fits with series 2, 3, & 4 rungs.
- Attaches to rung at any point.
- 14 gauge Type 316 stainless steel material to minimize corrosion and induction heating.
- Plated steel and aluminum also available.





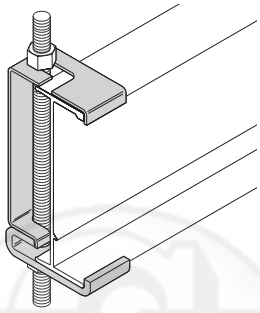


Refer to Section CF Cable Fixing

Catalog No.	Cable Size in.	mm
BP081SS	.250 - .840	(6.4 - 21.3)
BP110SS	.810 - 1.100	(20.6 - 28.0)
BP135SS	.850 - 1.350	(21.6 - 34.8)
BP175SS	1.250 - 1.750	(31.8 - 44.5)
BP205SS	1.550 - 2.050	(39.4 - 52.1)
BP250SS	2.000 - 2.500	(50.8 - 63.5)
BP300SS	2.500 - 3.000	(63.5 - 76.2)
BP325SS	2.750 - 3.250	(69.9 - 82.6)
BP375SS	3.250 - 3.750	(82.6 - 95.3)
BP425SS	3.750 - 4.250	(95.3 - 108.0)
BP475SS	4.250 - 4.750	(108.0 - 120.7)

Hanger Rod Clamp

- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two-piece "J"-hanger design.
- 1500 lbs./pair capacity safety factor 3.
- (*) Insert ZN or G

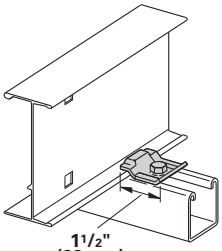


Catalog No.	Height in.	mm
9(*)-5324	4	(101)
9(*)-5325	5	(127)
9(*)-5326	6	(152)
9(*)-5327	7	(178)

Cable Tray Clamp/Guide

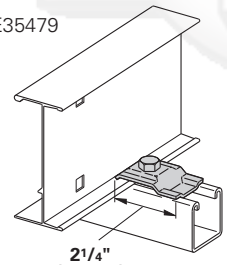
- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Furnished in pairs, with or without hardware.
- Not recommended for vertical support.

Patent # RE35479



1 1/2" (39mm)

9ZN-1204 shown. Installed as a guide.



2 1/4" (57mm)

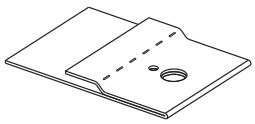
9ZN-1208 shown. Installed as a clamp.

Note: For heavy duty or vertical applications see 9(*)-1241 or 9(*)-1242 page HAT-20

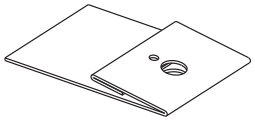
Catalog No. Without Hardware	Catalog No. With Hardware	Overall Length in. (mm)	Hardware Size in.	Finish
9ZN-1204	9ZN-1204NB	1 1/2 (38)	1/4"	G90
9ZN-1208	9ZN-1208NB	2 1/4 (57)	3/8"	G90
9A-1205	--	2 1/4 (57)	1/2"	Alum.
9G-1205	--	2 1/4 (57)	1/2"	HDGAF
9SS6-1205	--	2 1/4 (57)	1/2"	316SS
9ZN-1205	--	2 1/4 (57)	1/2"	G90

Isolator Pad

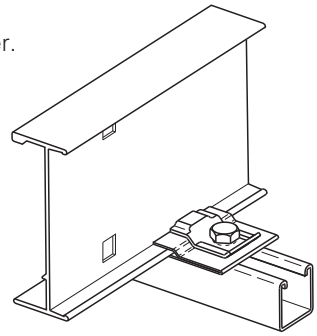
- Use as a friction reducer and/or as a dissimilar metal isolator barrier.
- UV resistant HDPE.
- Temperature range: -100 to 160° F.
- Designed to use with 9(*)-1205 or 9(*)-1208 clamp/guide.
- Color - White.



Isolation pad shown as when used with a guide.



Isolation pad shown with top flange doubled under for clamp application.



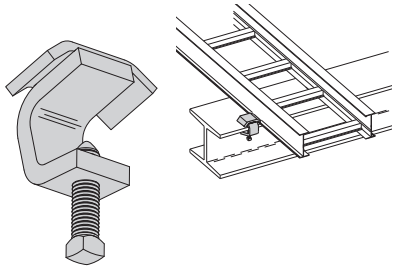
Catalog No.
99-PE34

Green = Fastest shipped items Black = Normal lead-time items Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Cable Tray Clamp

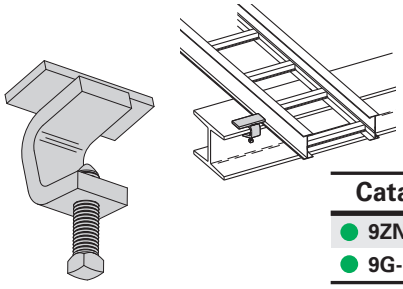
- Hold-down clamps for single or double cable tray runs.
- No drilling of support I-beam or channel is required.
- Sold in pieces - two clamps are required per tray.
- Maximum beam flange thickness 1 1/8" (28.58 mm).



Catalog No.	Finish
9ZN-1249HD	Znplt
9G-1249HD	HDGAF

Cable Tray Guide

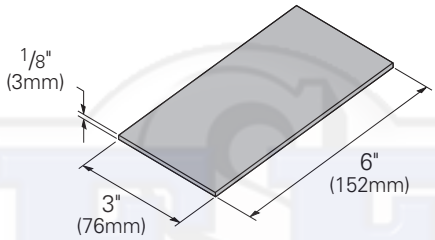
- Expansion guide for single or double cable tray runs.
- Guide allows for longitudinal movement of the cable tray.
- No field drilling of support I-beam or channel is required.
- Guides are required on both sides of cable tray to prevent lateral movement - can be placed on either the inside or outside flange of cable tray.
- Guides are sold in pieces - two guides are required per tray.
- Maximum flange thickness 1 1/8" (28.58 mm).



Catalog No.	Finish
9ZN-1249	Znplt
9G-1249	HDGAF

Nylon Pad

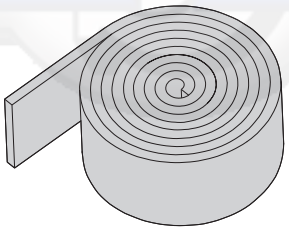
- Use for friction reduction.
- Hardness: Shore D80.
- Low friction coefficient.
- UV resistant.
- Excellent weatherability.
- UL - 94HB.



Catalog No.
99-PE36

Neoprene Roll

- Use for material isolation.
- 1/8" x 2" x 25' roll.
- Hardness: Shore A60.
- Good weatherability.



Catalog No.
99-NP300

DURA-BLOK™ Rooftop Support Bases with B22 Channel

- Designed as a superior rooftop support for cable tray,
- UV resistant and approved for most roofing material or other flat surfaces.
- Can be used with any of B-Line series cable tray clamps and guides.
- Ultimate Load Capacity: 1,000 lbs. (uniform load)



Catalog No.	Height x Width x Length in.	(mm)
DB10-28	5 5/8 x 6 x 28.0	(143 x 152 x 711)
DB10-36	5 5/8 x 6 x 36.0	(143 x 152 x 914)
DB10-42	5 5/8 x 6 x 42.0	(143 x 152 x 1067)
DB10-50	5 5/8 x 6 x 50.0	(143 x 152 x 1270)
DB10-60	5 5/8 x 6 x 60.0	(143 x 152 x 1524)

LEEDS credit available, base made from 100% recycled material.

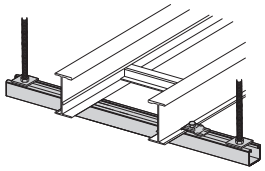
General Note: Consult roofing manufacturer or engineer for roof load capacity. The weakest point may be the insulation board beneath the rubber membrane.

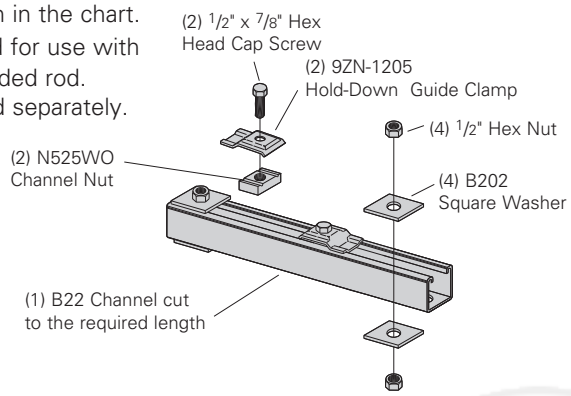
Green = Fastest shipped items Black = Normal lead-time items Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Trapeze Support Kit

- Eaton's B-Line series trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware, hot dip galvanized steel with 316 stainless steel hardware, or DURA GREEN™ painted steel with zinc-plated hardware.
- The SH channel provides the convenience of pre-punched slots, which eliminate the need for field drilling.
- The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.
- Designed for use with 1/2" threaded rod. Order rod separately.





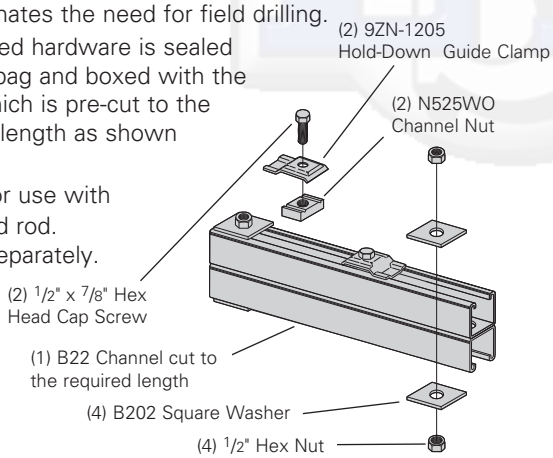
Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
● 9(*)-5506-22SH(†)	6	(152)	16	(406)	1350	(6.00)
● 9(*)-5509-22SH(†)	9	(229)	18	(457)	1250	(5.56)
● 9(*)-5512-22SH(†)	12	(305)	22	(559)	1125	(5.00)
● 9(*)-5518-22SH(†)	18	(457)	28	(711)	865	(3.85)
● 9(*)-5524-22SH(†)	24	(610)	34	(864)	700	(3.11)
● 9(*)-5530-22SH(†)	30	(762)	40	(1016)	590	(2.62)
● 9(*)-5536-22SH(†)	36	(914)	46	(1168)	510	(2.27)
● 9(*)-5542-22SH(†)	42	(1067)	52	(1321)	450	(2.00)

- (*) Insert P G or GRN
- (†) Insert 3/8 for 3/8" threaded rod hardware.

Safety factor of 3.0 on all loads.

Heavy Duty Trapeze Support Kit

- Eaton's B-Line series trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware, hot dip galvanized steel with 316 stainless steel hardware, or DURA GREEN™ painted steel with zinc-plated hardware.
- The SH channel provides the convenience of pre-punched slots, which eliminates the need for field drilling.
- The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.
- Designed for use with 1/2" threaded rod. Order rod separately.

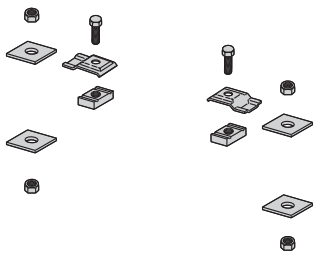


Catalog No.	Tray Width in.	Tray Width mm	Channel Length in.	Channel Length mm	Uniform Load lbs	Uniform Load kN
● 9(*)-5506-22SHA	6	(152)	16	(406)	1350	(6.00)
● 9(*)-5509-22SHA	9	(229)	18	(457)	1350	(6.00)
● 9(*)-5512-22SHA	12	(305)	22	(559)	1350	(6.00)
● 9(*)-5518-22SHA	18	(457)	28	(711)	1350	(6.00)
● 9(*)-5524-22SHA	24	(610)	34	(864)	1350	(6.00)
● 9(*)-5530-22SHA	30	(762)	40	(1016)	1350	(6.00)
● 9(*)-5536-22SHA	36	(914)	46	(1168)	1350	(6.00)
● 9(*)-5542-22SHA	42	(1067)	52	(1321)	1350	(6.00)

- (*) Insert P G or GRN

Safety factor of 3.0 on all loads.

Trapeze Hardware Kit



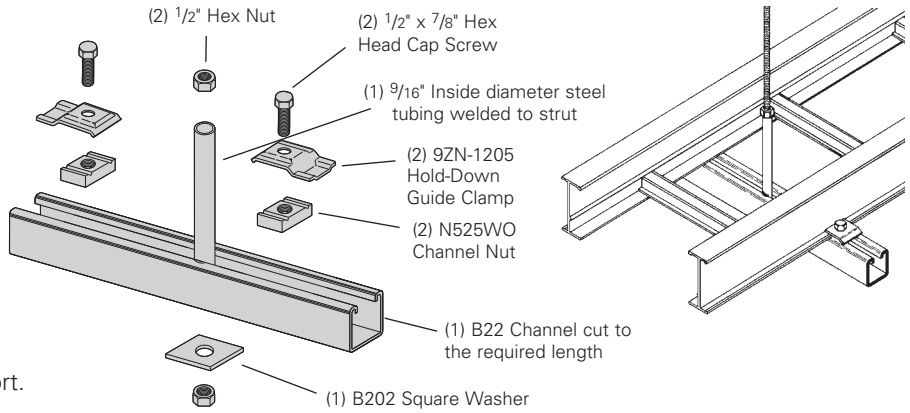
Catalog No.	● 9ZN-5500-1/2	● 9G-5500-1/2
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 ZN 2 N525 WO ZN 4 B202 ZN 1/2" sq washer 4 HN 1/2 ZN	1 pr. 9G-1205 2 HHC Screw 1/2 x 7/8 SS6 2 N525 WO SS6 4 B202 HDG 1/2" sq washer 4 HN 1/2" SS6

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

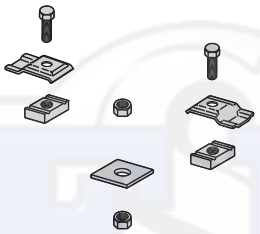
Center Hung Tray Support

- Center Hung Cable Tray Support allows cable to be laid-in from both sides.
- Eliminates costly cable pulling and field cutting of cable tray supports. Labor costs are dramatically reduced.
- Required hardware and threaded rod material for trapeze assemblies are reduced by up to 50%.
- Designed for use with 1/2" threaded rod. (Order rod separately)
- Use with all aluminum and steel cable trays through 24" width.
- Load capacity is 700 lbs. (311kN) per support. Safety factor of 3.0. Eccentric loading is not to exceed a 60% vs. 40% load differential.
- The maximum recommended unsupported span length is 144"/12 ft. (3.66 m).
- Hardware shown is furnished.
- Finish available: Zinc Plated



Catalog No.	Tray Width in.	Tray Width (mm)	Channel Length in.	Channel Length (mm)
● 9ZN-5212	6", 9", 12"	(152, 228, 305)	18"	(457)
● 9ZN-5224	18", 24"	(457, 609)	30"	(762)

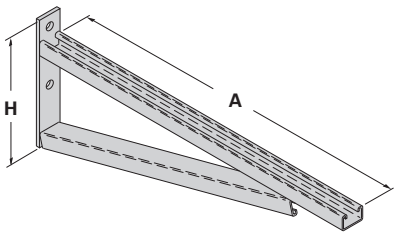
Center Hung Support Hardware Kit



Catalog No.	● 9ZN-5200
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2 x 7/8 ZN 2 N525 WO ZN 1 B202 ZN 1/2" sq washer 4 HN 1/2 ZN

Bracket (12" - 48")

- (*) Insert available finish: ZN GRN or HDG
- Safety Load Factor 2.5



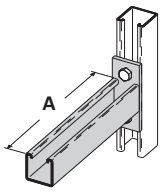
Bottom brace is B42 channel on B494-24 and smaller and B22 channel on B494-30 and larger

Catalog No.	Uniform Load lbs	Uniform Load (kN)	Tray Width in.	Tray Width (mm)	'A' in.	'A' (mm)	'H' in.	'H' (mm)
● B494-12	2500	(11.12)	6 & 9	(152 & 229)	12	(305)	8 3/4	(222)
● B494-18	1700	(7.56)	12	(305)	18	(457)	8 3/4	(222)
● B494-24	1300	(5.78)	18	(457)	24	(610)	8 3/4	(222)
B494-30	1600	(7.11)	24	(610)	30	(762)	11 1/4	(286)
B494-36	1100	(4.89)	30	(762)	36	(914)	11 1/4	(286)
B494-42	980	(4.36)	36	(914)	42	(1067)	16	(406)
B494-48	980	(4.36)	42	(1067)	48	(1219)	16	(406)

For more dimensional data see Strut Systems catalog

Cantilever Bracket

- (*) Insert available finish: ZN GRN HDG SS4 or SS6
- Safety Load Factor 2.5



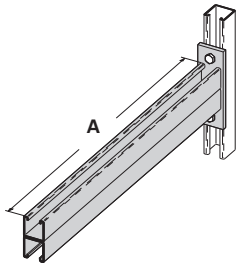
Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B409-12	960	(4.27)	6 & 9	(152 & 229)	12	(305)
B409-18	640	(2.84)	12	(305)	18	(457)
B409-24	480	(2.13)	18	(457)	24	(610)

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

All dimensions in parentheses are millimeters unless otherwise specified.

Cantilever Bracket

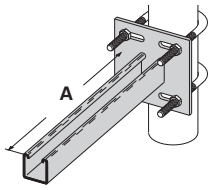
- (*) Insert available finish: ZN GRN HDG or SS4
- Safety Load Factor 2.5



Catalog No.	Uniform Load lbs	Uniform Load kN	Tray Width in.	Tray Width mm	'A' in.	'A' mm
B297-12	1660	(7.38)	6 & 9	(152 & 229)	12	(305)
B297-18	1100	(4.89)	12	(305)	18	(457)
B297-24	835	(3.71)	18	(457)	24	(610)
B297-30	665	(2.93)	24	(610)	30	(762)
B297-36	550	(2.44)	30	(762)	36	(914)
B297-42	465	(2.06)	36	(914)	42	(1067)

Underfloor Support (U-Bolts not included)

- Finishes available: ZN
- Safety Load Factor 2.5

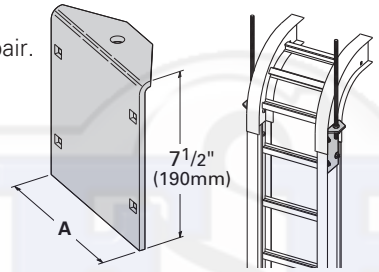


U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

Catalog No.	Uniform Load lbs	Uniform Load (kN)	Tray Width in.	Tray Width (mm)	'A' in.	'A' (mm)
B409UF-12	800	(3.56)	6 & 9	(152 & 229)	12	(305)
B409UF-21	450	(2.00)	12 & 18	(305 & 457)	21	(533)

Vertical Hanger Splice Plates

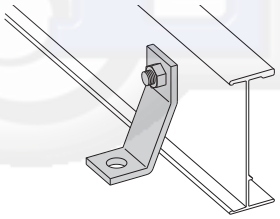
- Design load is 1500 lbs (6.67kN) per pair.
- Safety Factor of 2.5
- Furnished in pairs.
- Hole size: 9/16" (14mm) for 1/2" threaded rod.



Catalog No.	Outside Cable Tray Ht.	'A' in.	'A' (mm)
● 9A-1224	4"	3.84	(97.54)
● 9A-1225	5"	4.73	(120.14)
● 9A-1226	6"	5.84	(148.34)
● 9A-1227	7"	6.84	(173.74)

Heavy Duty Hold Down Bracket

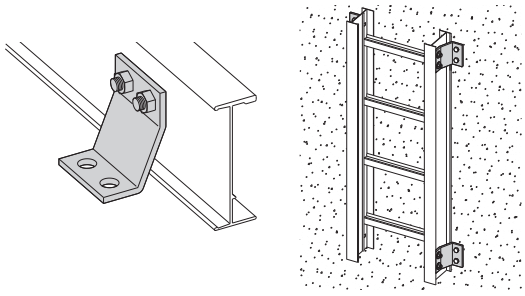
- Design load is 2000 lbs (8.89kN) per pair.
- Two bolt design.
- Sold in pairs.
- 3/8" cable tray attachment hardware provided.
- 1/2" support attachment hardware **not** provided.
- (*) Insert ZN SS4 or SS6
- Recommended for support of vertical trays.



Catalog No.
9(*)-1241

Heavy Duty Hold Down Bracket

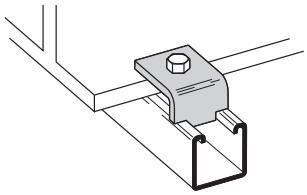
- Design load is 4000 lbs (17.79kN) per pair.
- Four bolt design.
- Sold in pairs.
- 3/8" cable tray attachment hardware provided
- 1/2" support attachment hardware **not** provided.
- (*) Insert ZN SS4 or SS6
- Recommended for support of vertical trays.



Catalog No.
9(*)-1242

Beam Clamp

- Finishes available: ZN GRN HDG or SS4
- Sold in pieces.
- Design load is 1200 lbs (5.34kN) per pair.
- Safety Load Factor 5.0.
- Order HHCS and Channel Nuts separately.



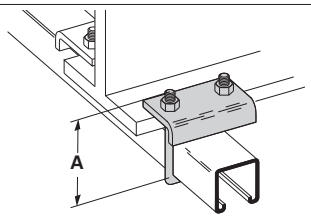
Catalog No.
B355

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

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Beam Clamp

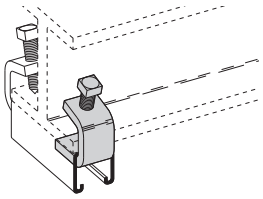
- Finishes available: ZN or HDG
- Sold in pieces.
- *Design load when used in pairs. Safety Load Factor 5.0



Catalog No.	Design Load lbs	(kN)	'A' in.	(mm)
B441-22	1200	(5.34)	3 3/8	(86)
B441-22A	1200	(5.34)	5	(127)

Beam Clamp

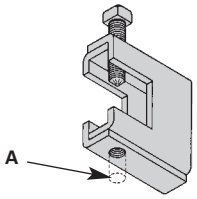
- Finishes available: ZN GRN or HDG
- Sold in pieces.
- *Design load when used in pairs. Safety Load Factor 5.0

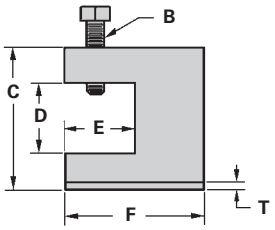


Catalog No.	B212-1/4	B212-3/8
Design Load *	600 lbs. (2.67kN)	1000 lbs. (4.45 kN)
Max. Flange Thick	3/4" (19 mm)	1 1/8" (28.6 mm)
Mat'l. Thickness	1/4" (6.3 mm)	3/8" (9.5 mm)

B305 Thru B308 & B321 Series Beam Clamps

- Finishes available: ZN or HDG
- Setscrew included.
- Safety Load Factor 5.0

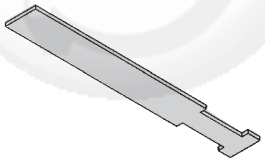




Catalog No.	Rod Size A	B	C in.	(mm)	D in.	(mm)	E in.	(mm)	F in.	(mm)	T in.	(mm)	Design Load lbs	(kN)
B305	3/8"-16	3/8"-16	2 5/16	(58.7)	7/8	(22.2)	1 1/8	(28.6)	2 1/2	(63.5)	11 Ga.	(3.0)	600	(2.67)
B306	3/8"-16	1/2"-13	2 7/16	(61.9)	7/8	(22.2)	1 1/8	(28.6)	2 1/2	(63.5)	7 Ga.	(4.5)	1100	(4.90)
B307	1/2"-13	1/2"-13	2 7/16	(61.9)	7/8	(22.2)	1 1/8	(28.6)	2 1/2	(63.5)	7 Ga.	(4.5)	1100	(4.90)
B308	1/2"-13	1/2"-13	2 9/16	(65.1)	7/8	(22.2)	1 1/8	(28.6)	2 1/2	(63.5)	1/4	(6.3)	1500	(6.68)
B321-1	3/8"-16	1/2"-13	3 9/16	(90.5)	1 11/16	(42.9)	1 5/8	(41.3)	3 1/4	(82.5)	1/4	(6.3)	1300	(5.79)
B321-2	1/2"-13	1/2"-13	3 9/16	(90.5)	1 11/16	(42.9)	1 5/8	(41.3)	3 1/4	(82.5)	1/4	(6.3)	1400	(6.23)

Anchor Strap - for B305 thru B308 & B321 Series

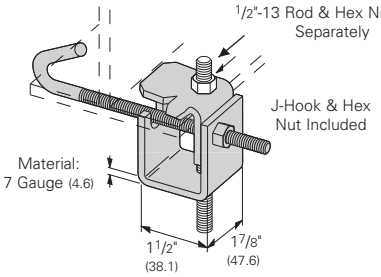
- Finish available: ZN
- For a maximum beam thickness of 3/4" (19mm).
- For thicker beams, step up one flange width size.



Catalog No.	Flange Width in.	(mm)
B312-6	Up to 6	(Up to 152)
B312-9	6 - 9	(152 to 228)
B312-12	9 - 12	(228 to 305)

Beam Clamp

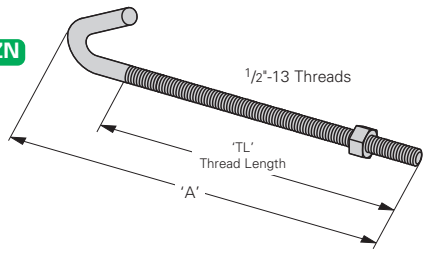
- Finish available: ZN
- Design Load 500 lbs. (2.22 kN)
- Safety Load Factor 5.0
- Recommended torque: 'J'-Hook Nut 125 In.-Lbs. (14.1 kN/m)
- Maximum flange thickness of 3/4" (19mm).



Catalog No.	For Flange Width in.	(mm)	Wt./C lbs	(kg)
B750-J4	3 - 6	(76.2 - 152.4)	109	(49.4)
B750-J6	5 - 9	(127.0 - 288.6)	124	(56.2)
B750-J9	8 - 12	(203.2 - 304.8)	135	(61.,2)
B750-J12	11 - 15	(279.4 - 381.0)	147	(66.7)

'J'-Hook

- Finishes available: ZN
- Hex Nut included.



Catalog No.	'A' in.	(mm)	'TL' in.	(mm)	Wt./C lbs	(kg)
B700-J4	8 1/2	(215.9)	5	(127.0)	44	(19.9)
B700-J6	11 1/2	(292.1)	6	(152.4)	53	(24.0)
B700-J9	12 1/4	(368.3)	6	(152.4)	63	(28.6)
B700-J12	17 1/2	(444.5)	6	(152.4)	78	(35.4)

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