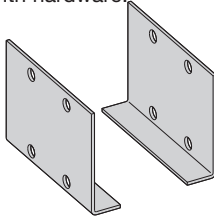


Series 1 Steel - Accessories

Standard (L-Shaped) Splice Plates

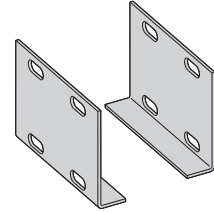
- One pair including hardware provided with each section.
- Furnished in pairs with hardware.
- Prepackaged in pairs in a plastic bag, with hardware.
- 4-hole pattern L-shaped splice plates.
- L-shaped lay-in design.
- (*) Insert **ZN** or **G**



Tray Series	Catalog No.
148	9(*)-4004
156	9(*)-4005
166	9(*)-4006
176	9(*)-4007

Expansion (L-Shaped) Splice Plates

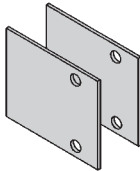
- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- **Bonding Jumpers are required. Order Separately.**
- L-shaped lay-in design.
- Furnished in pairs with hardware.
- (*) Insert **ZN** or **G**



Tray Series	Catalog No.
148	9(*)-4014
156	9(*)-4015
166	9(*)-4016
176	9(*)-4017

Universal Splice Plates

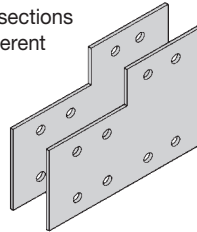
- Used to splice to existing cable tray systems.
- Furnished in pairs with hardware.
- (*) Insert **P** or **G**



Tray Series	Catalog No.
148	9(*)-2004-1/2
156	9(*)-2005-1/2
166	9(*)-2006-1/2
176	9(*)-2007-1/2

Step Down Splice Plates

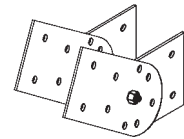
- These splice plates are offered for connecting cable tray sections having side rails of different heights.
- Furnished in pairs with hardware.
- (*) Insert **ZN** or **G**



Tray Series	Catalog No.
156 to 148	9(*)-8004
166 to 156 or 148	9(*)-8045
176 to 156 or 148	9(*)-8046
176 to 166	9(*)-8060

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- (*) Insert **ZN** or **G**
- (**) Insert **P** or **G**

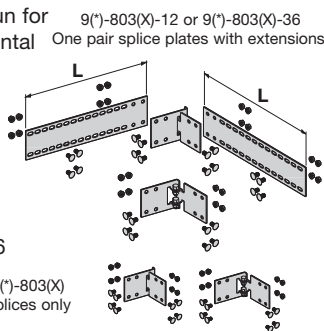


Requires supports within 24" on both sides, per NEMA VE 2.

Tray Series	Catalog No.
148	9(**)-7024
156	9(*)-8024
166	9(*)-8025
176	9(*)-8026

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.
- New design bonding jumpers **not** required.
- (*) Insert **ZN** or **G**
- (X) Insert 4 for series 148 or 156
5 for series 166
6 for series 176

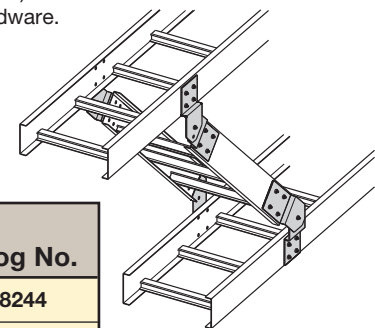


Catalog No.	Cable Tray End Cut	Tray Width	'L'
9(*)-803(X)	Mitered	Thru 36"	N/A
9(*)-803(X)-12	Not mitered	Thru 12"	16"
9(*)-803(X)-36	Not mitered	Thru 36"	41"

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

Branch Pivot Connectors

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

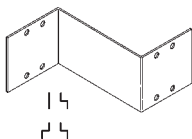


Tray Series	Catalog No.
156 to 148	9(*)-8244
166	9(*)-8245
176	9(*)-8246

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

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
- (*) Insert **P** or **G**



Tray Series	Catalog No.
148	9(*)-8064-(‡)
156	9(*)-8064-(‡)
166	9(*)-8065-(‡)
176	9(*)-8066-(‡)

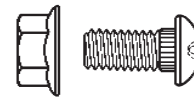
Tray Hardware

Pre-Galvanized Tray Hardware

Catalog No. ● **RNCB 3/8"-16 x 3/4" Znplt**
Ribbed Neck Carriage Bolt ASTM A307 Grade A

Catalog No. ● **SFHN 3/8"-16 Znplt**
Serrated Flange Hex Nut ASTM A563 Grade A

Finish: Zinc Plated ASTM B633, SC1



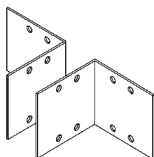
Hot Dip Galvanized Tray Hardware

Catalog No. ● **RNCB 3/8"-16 x 3/4" CZ** Ribbed Neck Carriage Bolt Chromium Zinc ASTM F-1136-88

Catalog No. ● **SFHN 3/8"-16 CZ** Serrated Flange Hex Nut Chromium Zinc ASTM F-1136-88

Tray to Box Splice Plates

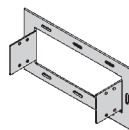
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.
- (*) Insert **P** or **G**



Tray Series	Catalog No.
148	9(*)-8054
156	9(*)-8054
166	9(*)-8055
176	9(*)-8056

Frame Type Box Connector

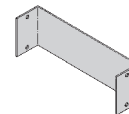
- Designed to attach the end of a cable tray run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with tray connection hardware.
- (‡) Insert tray width
- (*) Insert **ZN** or **G**



Tray Series	Catalog No.
148	9(*)-8074-(‡)
156	9(*)-8074-(‡)
166	9(*)-8075-(‡)
176	9(*)-8076-(‡)

Blind End

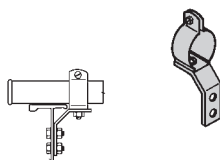
- This plate forms a closure for a dead end cable tray.
- Furnished as one plate with hardware.
- (‡) Insert tray width
- (*) Insert **P** or **G**



Tray Series	Catalog No.
148	9(*)-8084-(‡)
156	9(*)-8084-(‡)
166	9(*)-8085-(‡)
176	9(*)-8086-(‡)

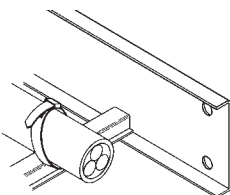
Conduit to Tray Adaptor

- Assembly required.
- Mounting hardware included.
- Conduit clamp included
- (‡) = Conduit size (1/2" thru 4").



Catalog No. 9ZN-1150-(‡)

Cable Tie (Ladder Tray)



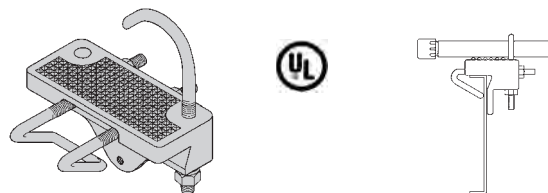
Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. of 3" (76 mm).



Catalog No. ● 99-2125-15

Conduit to Tray Adaptor

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



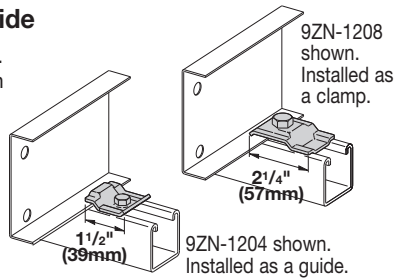
Catalog No.	Conduit Size	
	in.	(mm)
● 9G-1158-1/2, 3/4	1/2, 3/4	15, 20
● 9G-1158-1, 1 1/4	1, 1 1/4	25, 32
● 9G-1158-1 1/2, 2	1 1/2, 2	40, 50
● 9G-1158-2 1/2, 3	2 1/2, 3	65, 80
● 9G-1158-3 1/2, 4	3 1/2, 4	90, 100

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

Series 1 Steel - Accessories

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.



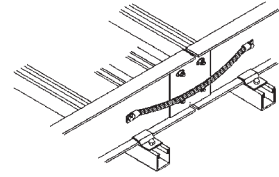
Patent # RE35479

Catalog No.		Overall Length in. (mm)	Hardware Size	Finish
Without Hardware	With Hardware			
● 9ZN-1204	● 9ZN-1204NB	1 1/2 38	1/4"	G90
● 9ZN-1208	● 9ZN-1208NB	2 1/4 57	3/8"	G90

Bonding Jumper

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

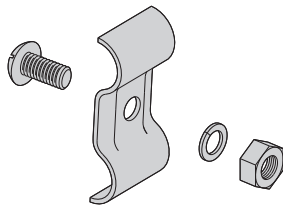
- Sold individually.
- Hardware included.
- See table 392.7(B)(2) on page CTS-9 for amperage ratings required to match the UL cross-sectional area of the tray.
- 600 amp rating.
- Bonding jumper is 16" long.



Catalog No.	Copper Wire Size	Ampacity
● 99-N1	#1	600

Ground Clamp

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

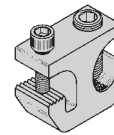


Catalog No.	Cable Size
● 9(*)-2351	#1 thru 2/0
● 9(*)-2352	3/0 thru 250 MCM

Grounding Clamp

B-Line 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 tray section.

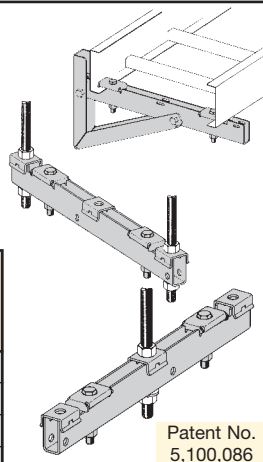
- Accepts #6 AWG to 250 MCM.



Catalog No.	Material	Item
● 9A-2130	Tin Plated Aluminum	Grounding Clamp

Support Bracket

- Designed for center hung or trapeze supports.
- Used with ladder or vented bottom tray only.
- Can be purchased as a wall mounted bracket.
- Load capacity is 600 lbs. (272.1 kg), safety factor 3.
- All components are zinc plated.
- 1/2" threaded rod and 1/2" hex nuts not included.

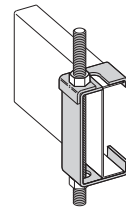


Patent No. 5,100,086

Catalog No.		For Cable Tray Width	
Center Hung or Trapeze	Wall Mount	in.	(mm)
● 9ZN-5106	● 9ZN-5106-WB	6	152
● 9ZN-5109	● 9ZN-5109-WB	9	226
● 9ZN-5112	● 9ZN-5112-WB	12	305
● 9ZN-5118	● 9ZN-5118-WB	18	452
● 9ZN-5124	● 9ZN-5124-WB	24	609

Hanger Rod Clamp

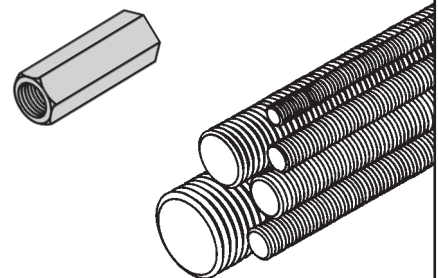
- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two piece "J"-hanger design.
- 9ZN-1113 has 275 lbs./pair safety factor 3.
- 9ZN-532(X) has 1500 lbs./pair safety factor 3.



Tray Series	Catalog No.
148	● 9ZN-1113
156	● 9ZN-5324
166	● 9ZN-5325
176	● 9ZN-5326

Threaded Rod (ATR) & Rod Coupling

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



Loading based on safety factor 5.

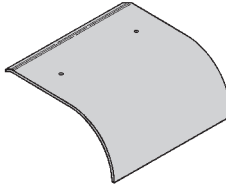
Standard Finish: Zinc plated

See B-Line Strut Systems Catalog for other sizes and finishes.

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

Ladder Drop-Out

- This special designed, easy to install drop-out provides a 4" (101.6 mm) radius to protect cables exiting the cable tray from damage.
- Attaches to a ladder rung.
- Hardware included.
- (*) Insert **P** or **G**
- (‡) Insert tray width

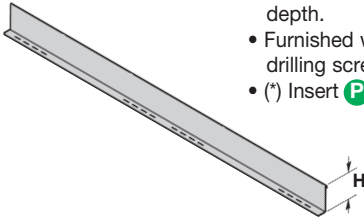


Catalog No. 9(*)-1104T-(‡)

Barriers

Straight Section

- Standard length: 120" (3 m) 144" (12 ft.).
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.
- (*) Insert **P** or **G**

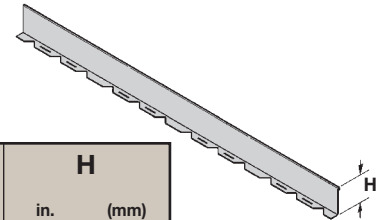


Tray Series	Catalog No.	H	
		in.	(mm)
148	72(*)-Length	2.8	58
156	737(*)-Length	3.4	70
166	747(*)-Length	4.4	91
176	757(*)-Length	5.4	112

Length =
144 for 12'
or
120 for 10'

Horizontal Bend

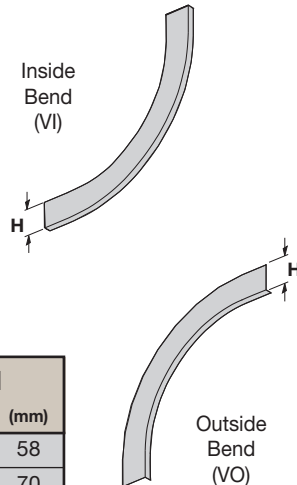
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6 ft.), sold individually.
- (*) Insert **P** or **G**



Tray Series	Catalog No.	H	
		in.	(mm)
148	72(*)-90HBFL	2.8	58
156	737(*)-90HBFL	3.4	70
166	747(*)-90HBFL	4.4	91
176	757(*)-90HBFL	5.4	112

Vertical Bend Barriers

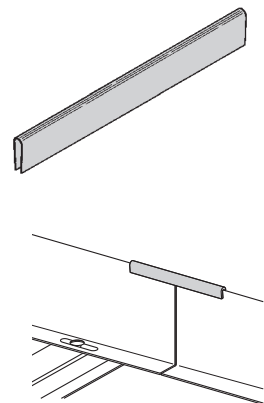
- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert **P** or **G**
- (**) Insert 30, 45, 60 or 90 for degrees
- (t) Insert 12, 24, or 36 for radius



Tray Series	Catalog No.		H	
	Inside Bend	Outside Bend	in.	(mm)
148	72(*)-(**)VI(t)	72(*)-(**)VO(t)	2.8	58
156	737(*)-(**)VI(t)	737(*)-(**)VO(t)	3.4	70
166	747(*)-(**)VI(t)	747(*)-(**)VO(t)	4.4	91
176	757(*)-(**)VI(t)	757(*)-(**)VO(t)	5.4	112

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.
- 5" (127mm) long



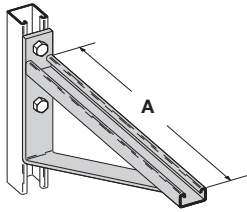
Catalog No. **99-9982**

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

Series 1 Steel - Accessories

Series 1 Steel

Cantilever Bracket

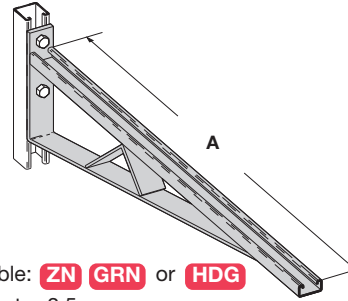


Finishes available: **ZN** **GRN** or **HDG**

Safety Load Factor 2.5

Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B494-12	1580	7.02	6 & 9	152 & 229	12	304.8
B494-18	1000	4.45	12	305	18	457.2
B494-24	996	4.43	18	457	24	609.6

Cantilever Bracket

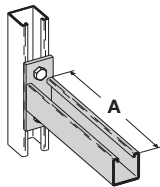


Finishes available: **ZN** **GRN** or **HDG**

Safety Load Factor 2.5

Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B494-30	924	4.11	24	609.6	30	762.0
B494-36	864	3.84	30	762.0	36	914.4
B494-42	580	2.58	36	914.4	42	1066.8

Cantilever Bracket

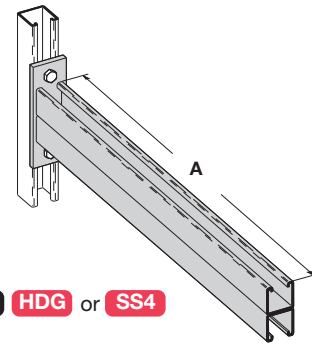


Finishes available: **ZN** **GRN** **HDG** **SS4** or **SS6**

Safety Load Factor 2.5

Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B409-12	960	4.27	6 & 9	152 & 228	12	304.8
B409-18	640	2.84	12	305	18	457.2
B409-24	480	2.13	18	457	24	609.6

Cantilever Bracket



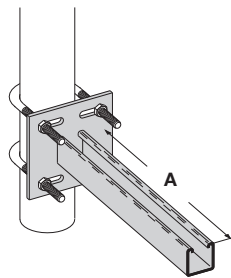
Finishes available: **ZN** **GRN** **HDG** or **SS4**

Safety Load Factor 2.5

Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B297-30	665	2.95	24	609.6	30	762.0
B297-36	550	2.44	30	762.0	36	914.4
B297-42	465	2.06	36	914.4	42	1066.8

Underfloor Support (U-Bolts not included)

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



• Order properly sized U-Bolts separately.

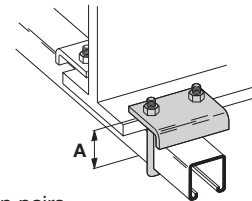
Finish available: **ZN**

Safety Load Factor 2.5

Catalog No.	Uniform Load		Tray Width		'A'	
	lbs	(kN)	in.	(mm)	in.	(mm)
B409UF-12	800	3.55	6 & 9	152 & 229	12	305
B409UF-21	450	2.00	12 & 18	305 & 457	21	533

Beam Clamp

- Finishes available: **ZN** or **HDG**
- Sold in pieces with hardware.



Design load when used in pairs.

Safety Load Factor 5.0

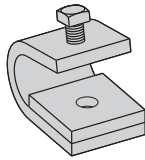
Catalog No.	Design Load*		'A'	
	lbs	(kN)	in.	(mm)
B441-22	1200	5.34	3 3/8	86
B441-22A	1200	5.34	5	127

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

Series 1 Steel - Accessories

Beam Clamp

- Finishes available: **ZN** **GRN** or **HDG**
- Setscrew included.

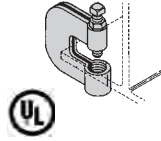


Design load when used in pairs.
Safety Load Factor 5.0

Cat. No.	B210		B210A	
Design Load	800 lbs.	3.56 kN	300 lbs.	1.33 kN
Tap Size	1/2"-13	-	3/8"-16	-
Mat'l. Thickness	3/8"	9.5 mm	1/4"	6.4 mm

Steel C-Clamp With Locknut

- Finishes available:
ZN for 3/8" & 1/2"
ZN for 5/8" & 3/4"
SS4 all sizes

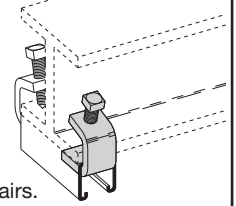


Safety Load Factor 5.0

Catalog Number	Rod Size	Design Load	
		lbs	(kN)
B351L-3/8	3/8"-16	300	0.89
B351L-1/2	1/2"-13	380	1.69
B351L-5/8	5/8"-11	550	2.44
B351L-3/4	3/4"-10	630	2.80

Beam Clamp

- Finishes available: **ZN** **GRN** or **HDG**
- Sold in pieces.

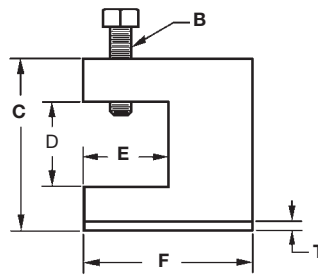
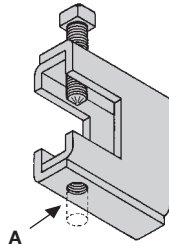


Design load when used in pairs.
Safety Load Factor 5.0

Cat. No.	B212-1/4		B212-3/8	
Design Load	600 lbs.	2.67 kN	1000 lbs.	4.45 kN
Max. Flange Thick	3/4"	19 mm	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

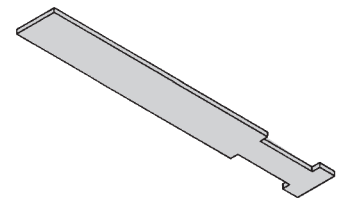
- Finishes available: **ZN** or **HDG**
- Setscrew included.
- Safety Load Factor 5.0



Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load	
								lbs	(kN)
B305	3/8"-16	3/8"-16	2 5/16"	7/8"	1 1/8"	2 1/2"	11 Ga.	600	2.67
B306	3/8"-16	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B307	1/2"-13	1/2"-13	2 7/16"	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B308	1/2"-13	1/2"-13	2 9/16"	7/8"	1 1/8"	2 1/2"	1/4"	1500	6.68
B321-1	3/8"-16	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1300	5.79
B321-2	1/2"-13	1/2"-13	3 9/16"	1 11/16"	1 5/8"	3 1/4"	1/4"	1400	6.23

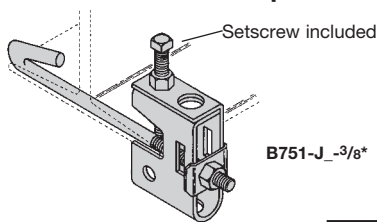
B312 Anchor Strap

- Finishes available: **ZN** or **HDG**
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

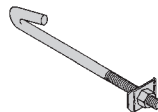


Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

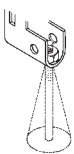
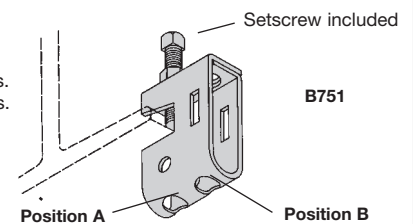
B751 Bottom Beam Clamp and Accessories



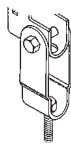
Finish available: ZN



Loading position A - 500 lbs.
Loading position B - 300 lbs.
Safety Load Factor 5.0



B753



B752

Provides a full 15° swivel in any direction. (State the desired rod size.)

Assembly No.	B751	B701J_	B752	B753
To Fit Flange Sizes	Clamp, Setscrew & J-Hook	J-Hook, Clip & Square Nut	Swivel & Bolt Only	Swivel Nut Only
4"-5 7/8"	● B751-J4-3/8*	● B701-J4-3/8	● B752	● B753-**
6"-8 7/8"	● B751-J6-3/8*	● B701-J6-3/8	● B752	● B753-**
9"-11 7/8"	● B751-J9-3/8*	● B701-J9-3/8	● B752	● B753-**

* Clamp Assembly complete with J-Hook Assembly. Setscrew included.
** Insert 1/4, 3/8 or 1/2 for the desired rod size.

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