

## Beam Clamps

### Superstrut® Beam Clamps

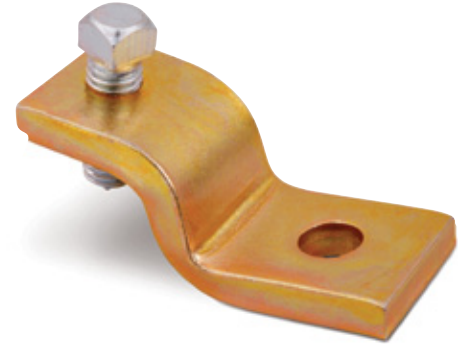
#### Materials

Most products are manufactured from hot-rolled carbon steel bars or hot-rolled strip steel. Pipe rollers are cast iron. Products which are copper plated carry the letter "T" in the prefix.

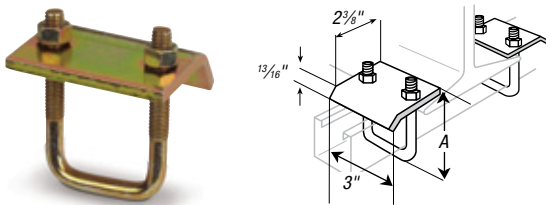
#### Design Loads

Where design loads are indicated, they provide for a safety factor of 3 in conformance with the "AMERICAN STANDARD CODE FOR PRESSURE PIPING."

GoldGalv® hardware finish is standard for all Superstrut® products. This is a multi-process finish of electro-plated zinc, followed by gold-colored trivalent chromium to give excellent corrosion resistance and a superior paint base. See **pages B-106–B-107** for a complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

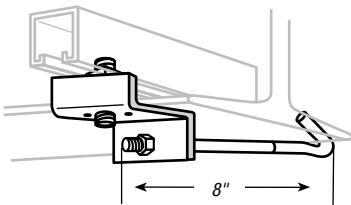


### Beam Clamps for Mounting Channel

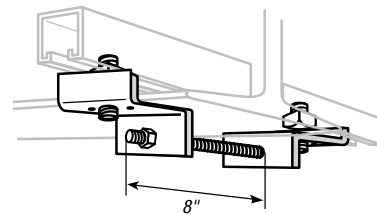


**CAT. NO. U501, U502**  
Furnished complete.  
Design load U501 – 2,150 lbs.  
U502 – 3,000 lbs.

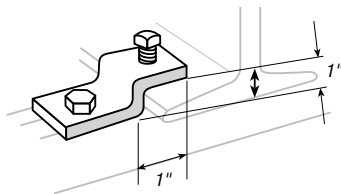
CAT. NO.	FOR CHANNEL	A (IN.)	STD. CTN.
U501	A-1200 A-1400	3 <sup>3</sup> / <sub>8</sub>	20
	B-1200 B-1400		
	C-1200 B-1402		
U502	A-1202 A-1402	4 <sup>1</sup> / <sub>8</sub>	20
	C-1202 H-1200		



**U504**

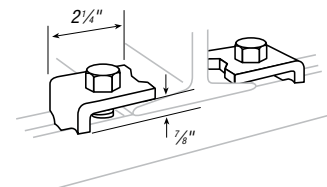


**U505**



**U510**  
<sup>1</sup>/<sub>2</sub>" x <sup>1</sup>/<sub>2</sub>" set screw included.  
Order separately one <sup>1</sup>/<sub>2</sub>" x <sup>1</sup>/<sub>2</sub>" hex head cap screw and <sup>1</sup>/<sub>2</sub>" channel nut.

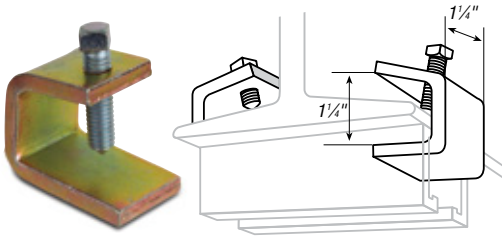
Channel	Design Load lbs.
A-1,200	1,000
A-1,400	800



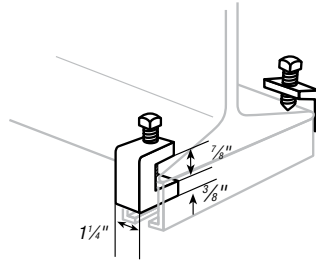
**512-U**  
Order separately one <sup>1</sup>/<sub>2</sub>" x <sup>1</sup>/<sub>2</sub>" hex head cap screw and <sup>1</sup>/<sub>2</sub>" channel nut.

Channel	Design Load lbs.
A-1,200	1,000
A-1,400	800

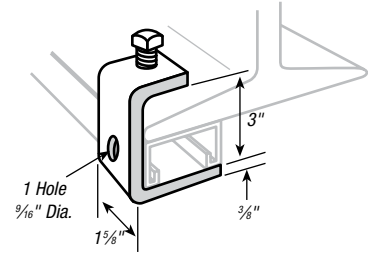
## Beam Clamps



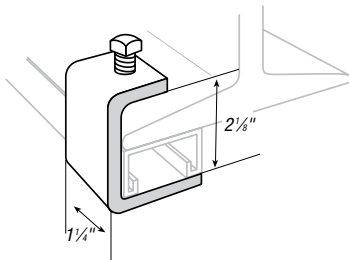
**U514**  
3/8" x 1 1/2" set screw included.  
Design load 750 lbs./per pair.



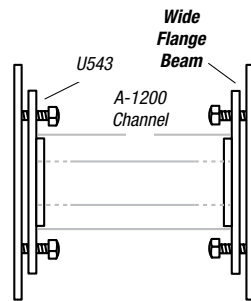
**U514A**  
3/8" x 1 1/2" set screw included.  
Design load 1,650 lbs./per pair.



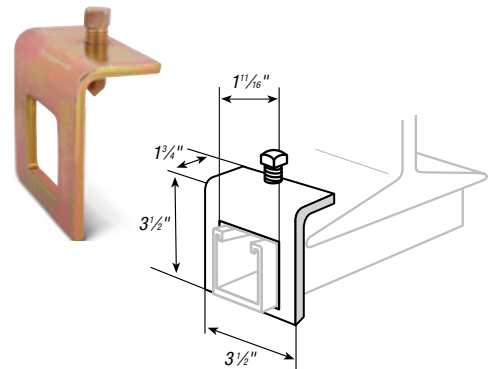
**U515**  
For all "A" series channel.  
1/2" x 1 1/2" set screw included.  
Design load 800 lbs.



**U515B**  
For all "B" series channel.  
1/2" x 1 1/2" set screw included.  
Design load 800 lbs.



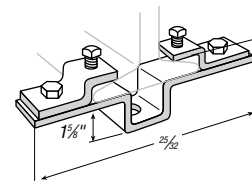
**U543**  
Wide Flange Beam  
A-1200 Channel



**A-597**  
Standard Finish — GoldGalv® brand.  
Channel Series A  
Design load 800 lbs./ea.

CAT. NO.	FLANGE WIDTH* (IN.)	A (IN.)	DESIGN LOAD LBS.	STD. CTN.
U-520	2 3/8–4 1/2	8 3/4	2,000	10
U-521	3 3/4–5 3/4	10	1,300	10
U-522	5 5/8–7 5/8	11 1/2	900	10

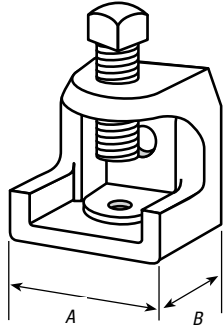
\*When ordering specify flange width.  
Standard Finish — GoldGalv®, unless otherwise stated.



**U520, U-521 & U-522**  
Standard Finish — GoldGalv® brand.  
Nuts, cap screws and set screws included.

## Beam Clamps

### Beam Clamps — Malleable Iron, Silver Electroplated Finish



CAT. NO.	BASE SIZE (IN.)		JAW OPENING (IN.)	TAPPING OF BASE AND BACK HOLES	SET SCREW LOAD RATING†	TORQUE IN INCH-LBS.	STD. CTN.
	A	B					
500-SC	1	1¼	1⅞	¼-20	250	60	50
501	1½	1¾	⅞	⅝-18	500	60	50
502	2	2	1	⅝-16	750	120	50
503-SC	2½	2½	1	½-13	1,250	250	20
507	2½	2¾	1¾	½-13	1,250	250	20
508	2½	2¾	2½	½-13	1,250	250	10
509	1	1¼	1⅞	10-24	150	60	100
510	2⅞	1¾	⅞	¼-20	250	40	100
511-SC	2⅞	1¾	⅞	10-24	150	40	100

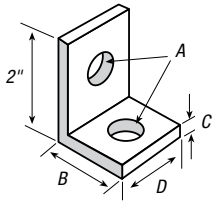
†Safety Factor of 3.

Load Ratings based on bottom hole of Beam Clamp.

CSA File No. LR-52208.

Also available in 316 stainless steel.

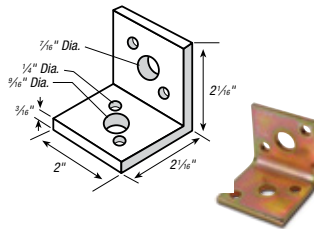
### U-540 — Side Hanger Clip



CAT. NO.	A (IN.)	B (IN.)	C (IN.)	D (IN.)	STD. CTN.
540 3/8	⅞	1⅞	¼	⅞	25
540 1/2 EC	⅞	1⅞	¼	1⅞	25
540-5/8	1⅞	2½	⅜	2	25
540-3/4	1⅞	2½	⅜	2	25

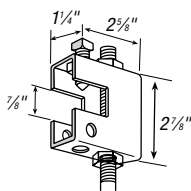
Finishes — GoldGalv® brand or Black (B)

### U-542 — Side Hanger Clip

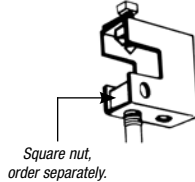


CAT. NO.	ROD SIZE	DESIGN LOAD (LBS.)
544	⅜"	610
	½"	1,000

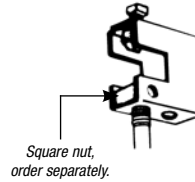
Finishes — GoldGalv® brand or Black (B) Standard Finish — GoldGalv®, EG, HD, & SS available.



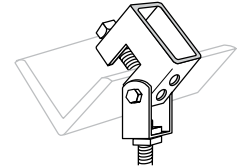
**U562**  
Beam Clamp  
½" set screw included.  
Rod Size: ½"  
Design load 500 lbs.



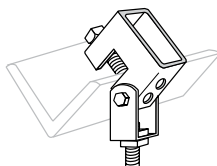
**U562**  
Beam Clamp Optional Use  
½" set screw included.  
Rod size: ½"  
Design load 800 lbs.  
For 20° swivel application, use ES-145-1/2 nut.



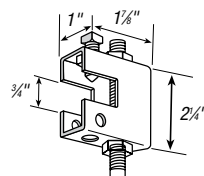
**U563**  
Beam Clamp Optional Use  
⅜" set screw included.  
Rod size: ⅜"  
Design load 400 lbs.



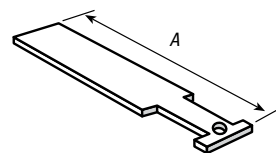
**U563**  
Beam Clamp with Swing Hanger  
⅜" set screw included.  
Rod sizes: ⅜"  
Design load 540 lbs.



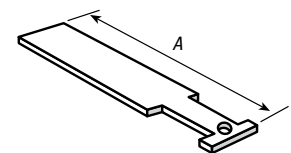
**U562**  
Beam Clamp with Swing Hanger  
½" screw included.  
Rod size: ½"  
Design load 800 lbs.



**U563**  
Beam Clamp  
⅜" set screw included.  
Rod size: ⅜"  
Design load 250 lbs.



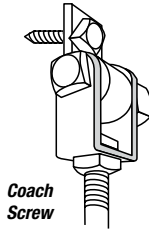
**U-568**  
Beam Clamp Safety Strap  
Standard Finish — GoldGalv® brand  
For U-563 beam clamp.



**U-568**  
Beam Clamp Safety Strap  
Standard Finish — GoldGalv® brand  
For U-562 beam clamp.

## Beam Clamps

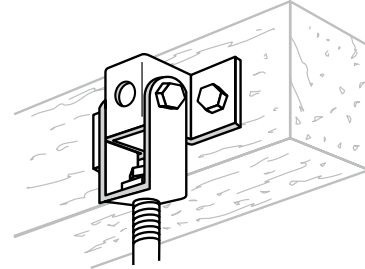
### S-541 — Swing Connector



Coach  
Screw

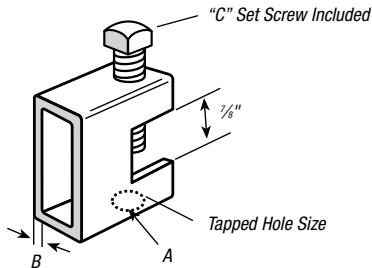
Standard Finish — GoldGalv® brand  
Rod Size: 3/8"  
For use with wood beam.  
3/8" x 1 1/4" bolt, nut and clevis included.

### U-577 — Clevis & Swing Connector



Rod Size: 1/2"  
Standard Finish — GoldGalv® brand  
For use with wood beam.

### U-560 — Heavy-Duty Beam Clamp



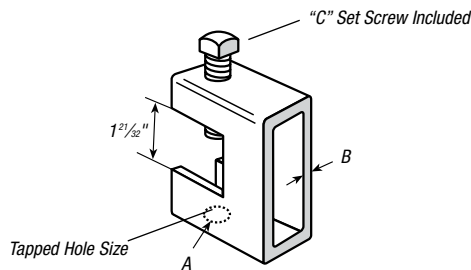
CAT. NO.	DIMENSIONS (IN.)			DESIGN LOAD LBS.	STD. CTN.
	A	B	C		
U560 1/4	1/4	1/8	3/8 x 1 1/2	1,050	25
U-560-3/8	3/8	1/8	3/8 x 1 1/2	1,050	25
U-560-1/2	1/2	1/4	1/2 x 1 1/2	2,650	25
U-560-5/8	5/8	1/4	1/2 x 1 1/2	2,650	25

Channel Angle Connector. Standard Finish — GoldGalv®.

Available in Electro-Galvanized (EG) finish.

Integral pilot, prevents twist.

### U-564 — Heavy-Duty Beam Clamp



CAT. NO.	DIMENSIONS (IN.)			DESIGN LOAD LBS.	STD. CTN.
	A	B	C		
U-564-3/8	3/8	1/4	3/8 x 2 1/4	1,300	25
U-564-1/2	1/2	1/4	1/2 x 2 3/4	3,150	15
U564 5/8	5/8	1/4	1/2 x 2 3/4	3,150	25

Available in Electro-Galvanized (EG) finish.

## Beam Clamps

### E-231 — Structural Steel Clamp



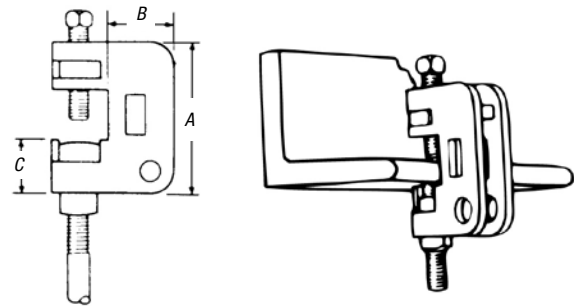
CAT. NO.	DIMENSIONS (IN.)			WT. LBS./C
	A	B	C	
<i>3/8" or 1/2" Rod</i>				
*E-231-3/8	2½	1	7/8	31
**E-231-1/2	3	1½	1½	53

Assembly requires two H-116-C (3/8") or two H-116-D (1/2") square nuts to attach hanger rod. 1/2" steel.

\* Load rating of 500 lbs. with a safety factor of 3.

\*\* Load rating of 800 lbs. with a safety factor of 3.

Standard Finish — GoldGalv®, unless otherwise stated.



### E-232 — Clamp with Swing Connector

- E-231 clamp with swing connector
- Affords a convenient method of attaching to angled beams

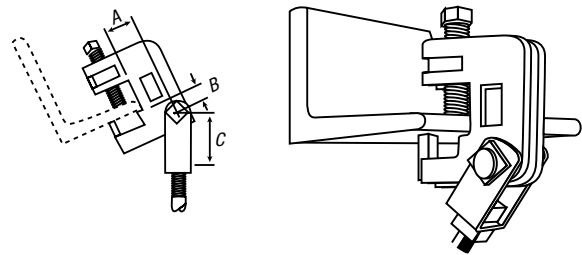


CAT. NO.	DIAMETER FOR ROD (IN.)	DIMENSIONS (IN.)			WT. LBS./C
		A	B	C	
<i>3/8" or 1/2" Rod</i>					
*E-232-3/8	3/8	9/16	7/16	1	48
**E-232-1/2	1/2	7/8	29/64	1½	76

\* Load rating of 400 lbs. with a safety factor of 3.

\*\* Load rating of 550 lbs. with a safety factor of 3.

GoldGalv® finish.



### E-233 — Anchor Clip

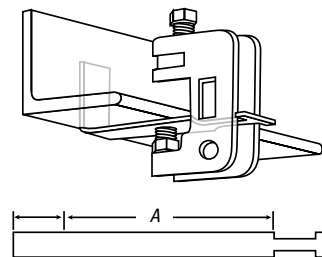
- Clamps to I-beams, channels, angles and column
- Two sizes are available, one for 3/8" and the other for 1/2" hanger rod
- Each takes flanges up to .8" thickness



CAT. NO.	ROD SIZE (IN.)	MAX. BEAM WIDTH "A" (IN.)	FOR USE WITH	WT. LBS./C
E-233-3/8-6	3/8	6	E-231-3/8 or E-232-3/8	20
E-233-3/8-10	3/8	10	E-231-3/8 or E-232-3/8	33
E-233-1/2-6	1/2	6	E-231-1/2 or E-232-1/2	26
E-233-1/2-10	1/2	10	E-231-1/2 or E-232-1/2	37

Anchor Clips should be used when clamps are subject to excessive vibration. To obtain the correct size clips, add 1 inch to the flange width. If length required is not standard, order next largest standard length.

GoldGalv® finish.



For use with E-231 and E-232 clamps when hanger rod is not in straight through position.

## Beam Clamps

### E-160 — Adjustable Beam Clamp

- Clamps to I-beam where edge of beam flange does not exceed .8" thickness
- Hook rod is furnished in three lengths to fit beam flanges up to 6", 9" or 12" widths

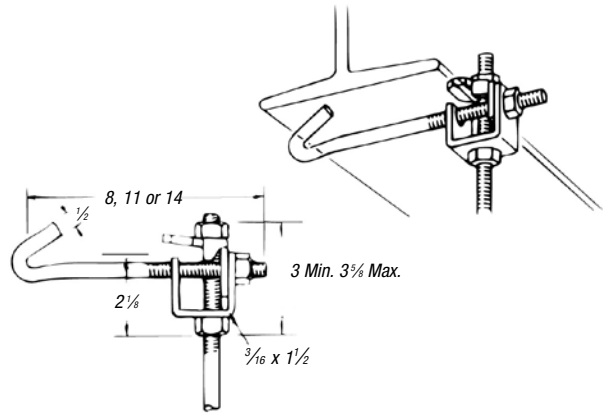


CAT. NO.	BEAM FLANGE WIDTH (IN.)	WT. LBS./C
<b>1/2" HANGER RODS</b>		
<b>1/2" Rod</b>		
E-160-1/2-6	2½ to 6	115
E-160-1/2-9	5½ to 9	125
E-160-1/2-12	8½ to 12	154

Load rating 800 lbs. with a safety factor of 3.

Assembly requires hanger rod of the proper length and size plus two H-114-D nuts 3/16" steel and 1/2" hook rod.

GoldGalv® finish.

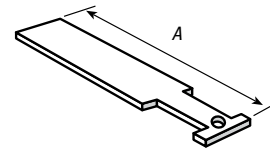


### U-568 Beam Clamps

CAT. NO.	BEAM FLANGE WIDTH (IN.)	A (IN.)	STD. CTN.
U568 1	6	8	50
U-568-2	9	11	50
U-568-3	6	9	25
U-568-4	9	12	50
U-568-5	12	15	50
U-568-6	6	9	25
U-568-7	9	12	25
U-568-8	12	15	25

16 ga. material.

Standard Finish — GoldGalv®, unless otherwise stated.

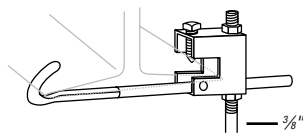


**U-568**

Beam Clamp Safety Strap  
Standard Finish — GoldGalv® brand.  
For U-560 and U-564 beam clamp.

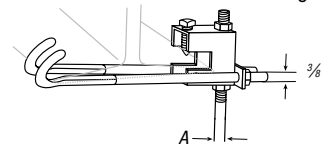
### U569 — Beam Clamp

- Standard finish — GoldGalv®
- Maximum flange width 5"
- Design load 400 lbs.



### U570 — Beam Clamp with Safety Rod

- Standard finish — GoldGalv®
- Flange width 4" min. – 8" max.
- Sizes — 1/2" (for use with 3/8" rod, see U569)
- Design load 650° F – 500 lbs.



### C-775L — Clamp with Lock Nut

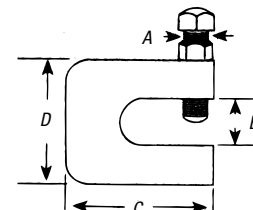
CAT. NO.	ROD SIZE (IN.)	DIMENSIONS (IN.)				DESIGN LOAD LBS.	STD. CTN.
		A	B	C	D		
C775L 3/8	3/8	3/8	3/4	2 1/2	2 3/8	400	100
C-775L-1/2	1/2	3/8	3/4	2 3/8	2 3/8	500	100
C-775L-5/8	5/8	1/2	3/4	2 5/16	2 3/8	550	50
C-775L-3/4	3/4	5/8	3/4	2 5/16	2 3/8	630	50
C-775L-7/8	7/8	3/4	1	3 1/16	3	1,200	25

Standard Finishes - GoldGalv® brand, Black (B), Stainless Steel (SS) and Electro-Galvanized (EG).

Carbon Steel.



C-775L

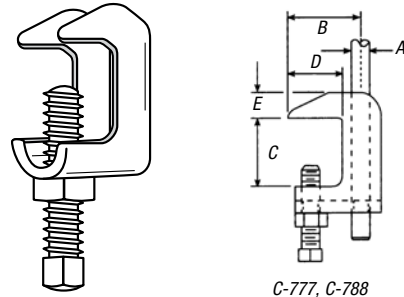


## Beam Clamps

### C-777 — Steel Top Beam Clamp & C-778 — Steel Wide Jaw Top Beam Clamp

CAT. NO.	ROD SIZE A (IN.)	PIPE SIZE	DIMENSIONS (IN.)					DESIGN LOAD LBS.	STD. CTN.
			B	C	D	E	F		
C777 3/8	3/8	1/2-4	1 1/16	3/4	1	7/16	1	900	100
C-777-1/2	1/2	5-8	1 1/2	3/4	1	9/16	1 1/4	2,430	50
C-778-3/8	3/8	1/2-4	1 3/16	1 1/4	1	7/16	1	900	100
C-778-1/2	1/2	5-8	1 1/2	1 1/4	1	9/16	1 1/4	2,430	50

Standard Finish — GoldGalv®, Black (B) and Electro-Galvanized (EG).

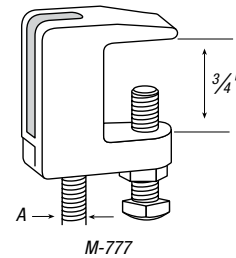


C-777, C-788

### M-777 — Steel Top Beam Clamp

- Junior Top Beam C-Clamp
- Standard finish is Gold-Galv®
- Available in Electro-Galvanized (EG) or Black (B) Malleable Iron
- Provides clamping under roof installations with bar joist construction (max. joist thickness 5/8")
- Order by Cat. No., rod size

ROD SIZE A (IN.)	DESIGN LOAD LBS.
3/8	350
1/2	470
5/8	550
3/4	700
7/8	1,000

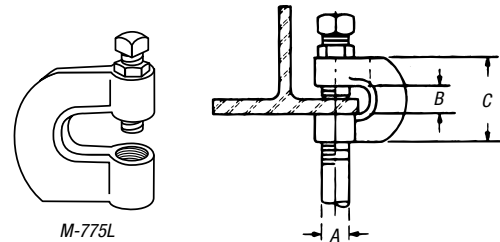


M-777

### M-775L — Clamp with Lock Nut

CAT. NO.	ROD SIZE A (IN.)	B (IN.)	C (IN.)	DESIGN LOAD LBS.	STD. CTN.
M-775L-3/8	3/8	3/4	1 3/4	400	100
M-775L-1/2	1/2	3/4	1 3/4	400	100
M-775L-5/8	5/8	3/4	2	440	50
M-775L-3/4	3/4	3/4	2	500	50

Available in Electro-Galvanized (EG) or Black (B).

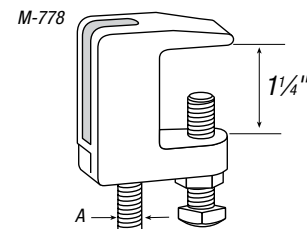


M-775L

### M-778 — Steel Wide Jaw Top Clamp

- Top Beam C-Clamp
- Rod Size: 3/8", 1/2", 5/8" and 3/4"
- Available in Electro-Galvanized (EG) or Black (B) Malleable Iron
- Provides clamping under roof installations with bar joist type construction
- Order by Cat. No. and rod size

ROD SIZE A (IN.)	DESIGN LOAD LBS.
3/8	400
1/2	500
5/8	850
3/4	900



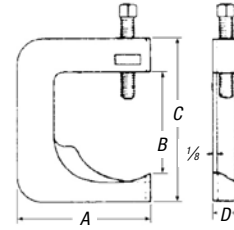
M-778



## Beam Clamps

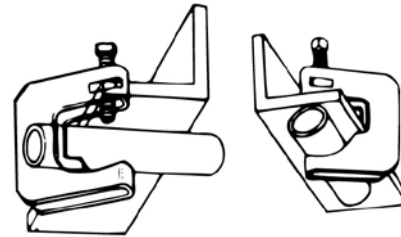
### C-247, C-248 & C-249 — Steel Conduit Clamps

- A versatile clamp for attaching conduit to any type of beam, channel, angle or column
- Designed to hold the conduit snug against the support with conduit either parallel or at right angle to it
- The case-hardened set screw bites into the structural member for maximum security
- 1/8" steel



CONDUIT SIZE	MAX. BEAM C-247	FLANGE C-248	THICKNESS C-249
1/2	5/8	1	
3/4	7/16	3/4	1 1/2
1		1/2	1 1/4
1 1/4		1	
1 1/2			5/8
Dim. A	2 1/4	2 9/16	3 3/4
Dim. B	1 3/8	1 3/4	2 1/2
Dim. C	2 3/4	3	4
Dim. D	9/16	5/16	5/8
Per Carton	100	50	50
Wt. in lbs./C	33	36	59

Standard Finish – GoldGalv®, unless otherwise stated.

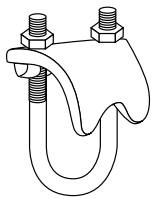


## Pipe Supports

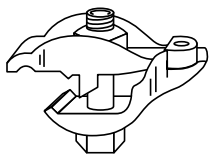
Three types of pipe clamps are available to provide right angle, vertical and parallel attachment to a beam. Types RC, EC and PC are malleable iron clamps with an edge that grips the structural member for maximum holding power when tightened.

Type RCS clamps are all steel, providing two bearing surfaces for strong attachment for mounting pipe or conduit at right angles to the beam.

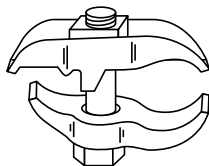
All parts are electrogalvanized, including the threads. The clamps are designed for clamping to a wide variety of beam thicknesses and tapers. Can be installed using only a wrench.



- RC Clamp — Malleable Iron
- RCS Clamp — Steel
- For mounting pipe or conduit at right angles to the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized



- EC Clamp — Malleable Iron
- For mounting pipe or conduit vertically across the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized



- PC Clamp — Malleable Iron
- For mounting pipe or conduit parallel to the beam
- Use SS316 suffix for 316 Stainless Steel
- Use HDG suffix for hot-dip galvanized

CAT. NO. & SIZE	DIMENSIONS (IN.)			CAT. NO. & SIZE	DIMENSIONS (IN.)		
	O.D. OF CONDUIT OR PIPE	NOM. PIPE SIZE	STD. CTN.		O.D. OF CONDUIT OR PIPE	NOM. PIPE SIZE	STD. CTN.
RCS-1/2	.840	1/2	50	EC-1/2	.840	1/2	50
RCS-3/4	1.050	3/4	50	EC-3/4	1.050	3/4	50
RCS-1	1.315	1	50	EC-1	1.315	1	25
RCS-1-1/4	1.660	1 1/4	50	EC-1-1/4	1.660	1 1/4	25
RCS-1-1/2	1.900	1 1/2	50	EC-1-1/2	1.900	1 1/2	25
RCS-2	2.375	2	50	EC-2	2.375	2	25
RC-3/8	.675	3/8	50	EC-2-1/2	2.875	2 1/2	10
RC-1/2	.840	1/2	50	EC-3	3.500	3	10
RC-3/4	1.050	3/4	50	PC-3/8	.675	3/8	50
RC-1	1.315	1	50	PC 1/2	.840	1/2	50
RC-1-1/4	1.660	1 1/4	50	PC-3/4	1.050	3/4	50
RC-1-1/2	1.900	1 1/2	50	PC-1	1.315	1	50
RC-2-SC	2.375	2	50	PC-1-1/4	1.660	1 1/4	25
RC-2-1/2	2.875	2 1/2	25	PC-1-1/2	1.900	1 1/2	25
RC-3	3.500	3	25	PC-2	2.375	2	25
RC-3-1/2	4.000	3 1/2	25	PC-2-1/2	2.875	2 1/2	25
RC-4-SC	4.500	4	20	PC-3	3.500	3	10
				PC-3-1/2	4.000	3 1/2	10
				PC-4	4.500	4	10