

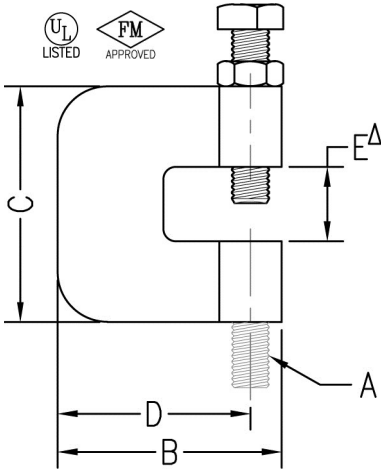


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# BEAM CLAMPS

**FIG. 250**

## STEEL C-CLAMP WITH LOCKNUT



**Function:** Designed for attaching hanger rod to the bottom flange of a beam. The hanger rod should make contact with the beam flange to ensure full engagement.

**Material:** Carbon steel with hardened steel cup point set screw (Type 304 or 316 Stainless Steel upon request)

**Finish:** Plain or electro-galvanized

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL) for  $\frac{3}{8}$ " and  $\frac{1}{2}$ " sizes only. Factory Mutual Approved for  $\frac{3}{8}$ " rod size only. Complies with Federal Specifications A-A-1192A (Type 23) and Manufacturers' Standardization Society ANSI/MSS SP-58 (Type 23) which supersedes ANSI/MSS SP-69. (Approvals are only for Fig. 250 with locknut).

**Ordering:** Specify figure number, rod size, material, and finish.

**NOTE:** When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional  $\frac{1}{4}$  to  $\frac{1}{2}$  turn.

Set Screw Torque				
Nominal Thread Size	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	Caution should be taken not to over tighten the set screw
Rec. in-lbs.	60	250	400	
Torque N-m	(6.8)	(28.2)	(45.2)	

Rod Size A	B		C		D		EA		Max. Pipe Size		Max. Rec. Load		Wt. Each			
													w/o nut		with nut	
													lbs.	kN	lbs.	kg
$\frac{3}{8}$	2 $\frac{1}{4}$	(57.15)	2 $\frac{3}{8}$	(60.33)	$\frac{7}{8}$	(22.23)	$\frac{3}{4}$	(19.05)	4	(100)	400	(1.78)	.36	(.16)	.38	(.17)
$\frac{1}{2}$	2 $\frac{1}{4}$	(57.15)	2 $\frac{3}{8}$	(60.33)	$\frac{7}{8}$	(22.23)	$\frac{3}{4}$	(19.05)	4	(100)	500	(2.22)	.36	(.16)	.38	(.17)
$\frac{5}{8}$	2 $\frac{3}{8}$	(60.33)	2 $\frac{3}{8}$	(60.33)	$\frac{3}{4}$	(19.05)	$\frac{3}{4}$	(19.05)	5	(125)	550	(2.45)	.63	(.29)	.68	(.31)
$\frac{3}{4}$	2 $\frac{1}{4}$	(57.15)	2 $\frac{3}{8}$	(60.33)	$\frac{3}{4}$	(19.05)	$\frac{3}{4}$	(19.05)	6	(150)	600	(2.67)	.72	(.33)	.79	(.36)
$\frac{7}{8}$	3 $\frac{1}{4}$	(57.15)	3	(76.20)	1 $\frac{1}{4}$	(31.75)	1	(25.40)	8	(200)	900	(4.00)	1.65	(.75)	1.83	(.83)

$\Delta$  Reduced by  $\frac{1}{8}$ " (3.18mm) when used in conjunction with Fig. 259 retaining strap.

THREADED ACCESSORIES  
CPVC STRAPS  
BAND HANGERS  
BEAM CLAMPS  
CLEVIS HANGERS  
PIPE ROLLER SUPPORTS  
SPLIT RING HANGERS  
PIPE CLAMPS  
PIPE LOAD BEAM CLAMPS  
PIPE SHIELDS, INSULATION, & SADDLES  
PIPE GUIDES & SLIDES  
WALL BRACKETS  
PIPE SUPPORTS  
STRUCTURAL ATTACHMENTS  
SEISMIC BRACING

# BEAM CLAMPS



## MALLEABLE IRON C-CLAMP

**FIG. 270**

**Function:** Designed for attaching hanger rod to the bottom flange of a beam. The hanger rod should make contact with the beam flange to ensure full engagement.

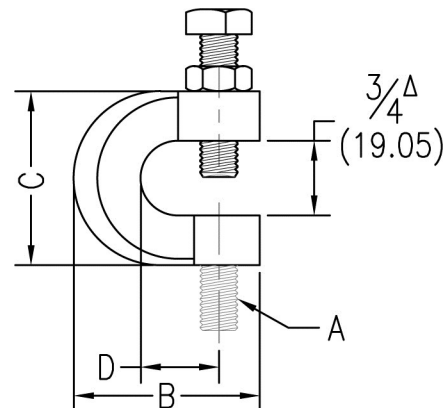
**Material:** Malleable iron with hardened steel cup point set screw and locknut

**Finish:** Plain or electro-galvanized

**Approvals:** Complies with Federal Specifications A-A-1192A (Type 23) and Manufacturers' Standardization Society ANSI/MSS SPSP-58 (Type 23) which supersedes ANSI/MSS SP-69.

**Ordering:** Specify figure number, rod size, and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional 1/4 to 1/2 turn.*



Set Screw Torque				Caution should be taken not to over tighten the set screw
Nominal Thread Size	3/8	1/2		
Rec. Torque	in-lbs. (6.8)	60 (14.1)	125 (14.1)	

Rod Size A	B		C		D		Max. Pipe Size	Max. Rec. Load		Wt. Each	
	in.	(mm)	in.	(mm)	in.	(mm)		lbs.	kN	lbs.	kg
3/8	1 3/4	(44.45)	1 3/4	(44.45)	5/8	(15.88)	2 (50)	400	(1.78)	.33	(.15)
1/2	1 3/4	(44.45)	1 3/4	(44.45)	5/8	(15.88)	3 1/2 (90)	400	(1.78)	.39	(.18)
5/8	2	(50.80)	2	(50.80)	3/4	(19.05)	5 (125)	440	(1.96)	.46	(.21)
3/4	2	(50.80)	2	(50.80)	3/4	(19.05)	6 (150)	500	(2.22)	.52	(.24)

Δ Reduced by 1/8" (3.18mm) when used in conjunction with Fig. 259 retaining strap.

THREADED ACCESSORIES  
CPVC STRAPS  
BAND HANGERS  
BEAM CLAMPS  
CLEVIS HANGERS  
PIPE ROLLER SUPPORTS  
PIPE RING HANGERS  
PIPE CLAMPS  
CENTER LOAD BEAM CLAMPS  
PIPE SHIELDS, INSULATION, & SADDLES  
PIPE GUIDES & SLIDES  
WALL BRACKETS  
PIPE SUPPORTS  
STRUCTURAL ATTACHMENTS  
SEISMIC BRACING

# BEAM CLAMPS



## PURLIN CLAMP

**FIG. 290**

**Function:** Designed for use with large-lip rolled steel purlins to eliminate the need to modify steel purlin for standard C-clamp.

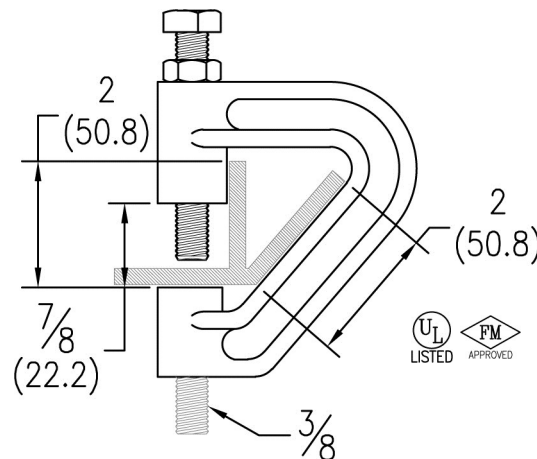
**Material:** Malleable iron with hardened steel cup point set screw and locknut

**Finish:** Plain or electro-galvanized

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved. Complies with Federal Specifications A-A-1192A (Type 23) and Manufacturers' Standardization Society ANSI/MSS SP-58 (Type 23) which supersedes ANSI/MSS SP-69.

**Ordering:** Specify figure number and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional 1/4 to 1/2 turn.*



Set Screw Torque			Caution should be taken not to over tighten the set screw
Nominal Thread Size		3/8	
Rec. Torque	in-lbs. N-m	60 (6.8)	

Rod Size	Max. Pipe Size		Max. Rec. Load		Wt. Each	
			lbs.	kN	lbs.	kg
3/8	4	(100)	400	(1.78)	.82	(.37)

- THREADED ACCESSORIES
- CPVC STRAPS
- BAND HANGERS
- BEAM CLAMPS
- CLEVIS HANGERS
- PIPE ROLLER SUPPORTS
- SPLIT RING HANGERS
- PIPE CLAMPS
- CENTER LOAD BEAM CLAMPS
- PIPE SHIELDS, INSULATION, & SADDLES
- PIPE GUIDES & SLIDES
- WALL BRACKETS
- PIPE SUPPORTS
- STRUCTURAL ATTACHMENTS
- SEISMIC BRACING

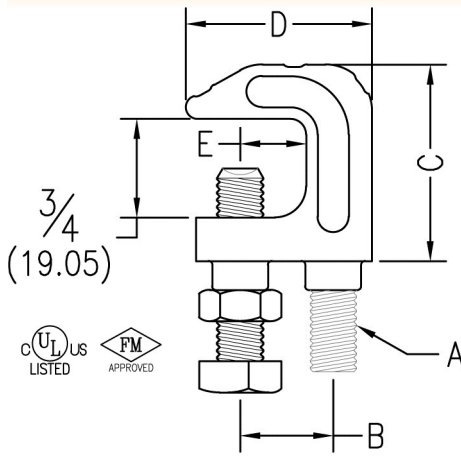


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# BEAM CLAMPS

**FIG. 345**

## TOP BEAM CLAMP



**Function:** Designed for attaching hanger rod to the top flange of a beam or bar joist where the flange thickness does not exceed  $\frac{3}{4}$ " (19.05mm). The open U design permits rod adjustment.

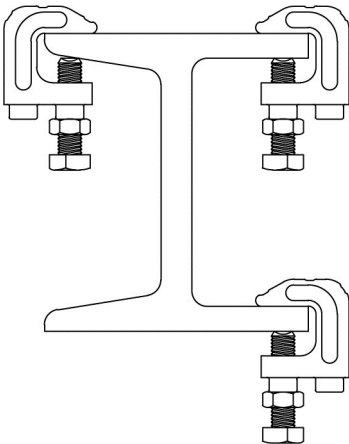
**Material:** Carbon steel with hardened steel cup point set screw and locknut

**Finish:** Pre-galvanized

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL) and Factory Mutual Approved. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/MSS SP-58 (Type 19) which supersedes ANSI/MSS SP-69.

**Ordering:** Specify figure number.

**NOTE:** When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional  $\frac{1}{4}$  to  $\frac{1}{2}$  turn. Set screw must contact the sloped side of the I-beam, channel, or other applicable building structure. Clamp must always be installed in top orientation, with the arrow mark on clamp pointing up. The following illustration displays the only acceptable installation positions. On parallel flange surfaces, the clamp may be attached to the upper or lower flange but must be in the top orientation as shown.



Set Screw Torque			Caution should be taken not to over tighten the set screw
Nominal Thread Size	$\frac{3}{8}$		
Rec. Torque	in-lbs.	60	
	N-m	(6.8)	

Rod Size A	B		C		D		E		Max. Pipe Size		Max. Rec. Load		Wt. Each with nut	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kN	lbs.	mm
$\frac{3}{8}$	$\frac{3}{4}$	(19.05)	$1\frac{9}{16}$	(39.69)	$1\frac{1}{2}$	(38.10)	$\frac{9}{16}$	(14.29)	4	(100)	610	(2.71)	.20	(.09)

THREADED ACCESSORIES  
CPVC STRAPS  
BAND HANGERS  
BEAM CLAMPS  
CLEVIS HANGERS  
PIPE ROLLER SUPPORTS  
SPLIT RING HANGERS  
PIPE CLAMPS  
CENTER LOAD BEAM CLAMPS  
PIPE SHIELDS, INSULATION, & SADDLES  
PIPE GUIDES & SLIDES  
WALL BRACKETS  
PIPE SUPPORTS  
STRUCTURAL ATTACHMENTS  
SEISMIC BRACING

# BEAM CLAMPS

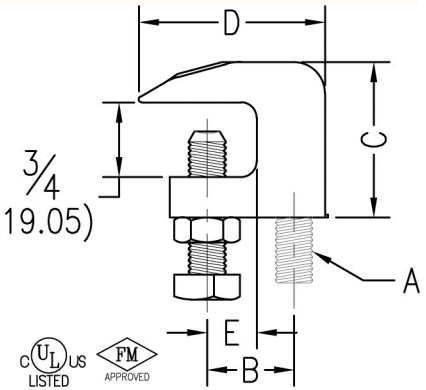


## IMPORT BEAM CLAMP

**FIG. 350**

- Function:** Designed for attaching hanger rod to the top flange of a beam or bar joist, where the flange thickness does not exceed  $\frac{3}{4}$  inch (19.05mm). The open U design permits rod adjustment.
- Material:** Malleable iron with hardened steel cup point set screw and locknut (Type 304 or 316 Stainless Steel upon request for  $\frac{1}{4}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ " only)
- Finish:** Plain or electro-galvanized
- Approvals:** Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL), for (19.05) sizes  $\frac{1}{2}$ " to  $\frac{7}{8}$ " malleable iron only. Factory Mutual Approved for rod size  $\frac{1}{2}$ " malleable iron only. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/MSS SPSP-58 (Type 19) which supersedes ANSI/MSS SP-69. (Approvals are only valid for beam clamps with locknut).
- Ordering:** Specify figure number, rod size, material, and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional  $\frac{1}{4}$  to  $\frac{1}{2}$  turn.*



Set Screw Torque				Caution should be taken not to over tighten the set screw
Nominal Thread Size		$\frac{3}{8}$	$\frac{1}{2}$	
Rec. Torque	in-lbs.	60	125	
	N-m	(6.8)	(14.1)	

Rod Size A	B		C		D		E		Max. Pipe Size		Max. Rec. Load		Wt. Each	
											lbs.	kN	lbs.	kg
* $\frac{1}{4}$	$\frac{7}{8}$	(22.23)	$1\frac{1}{2}$	(38.10)	$1\frac{5}{8}$	(41.28)	$\frac{1}{2}$	(12.70)	N/A	N/A	250	(1.11)	.34	(.15)
$\Delta$ $\frac{3}{8}$	$\frac{7}{8}$	(22.23)	$1\frac{1}{2}$	(38.10)	$1\frac{5}{8}$	(41.28)	$\frac{1}{2}$	(12.70)	4	(100)	400	(1.78)	.33	(.15)
$\frac{1}{2}$	1	(25.40)	$1\frac{1}{2}$	(38.10)	$1\frac{11}{16}$	(42.86)	$\frac{1}{2}$	(12.70)	8	(200)	500	(2.22)	.34	(.15)
$\frac{5}{8}$	$1\frac{1}{16}$	(26.99)	$1\frac{1}{2}$	(38.10)	$1\frac{7}{8}$	(47.63)	$\frac{5}{8}$	(15.88)	8	(200)	600	(2.67)	.39	(.18)
$\frac{3}{4}$	$1\frac{5}{16}$	(33.34)	$1\frac{3}{4}$	(44.45)	$2\frac{3}{8}$	(60.33)	$\frac{5}{8}$	(15.88)	8	(200)	800	(3.56)	.63	(.29)
$\frac{7}{8}$	$1\frac{5}{16}$	(33.34)	$1\frac{3}{4}$	(44.45)	$2\frac{3}{8}$	(60.33)	$\frac{5}{8}$	(15.88)	8	(200)	1200	(5.34)	.60	(.27)

\*  $\frac{1}{4}$ " Not UL or FM approved. Only available in domestic.

$\Delta$   $\frac{3}{8}$ " Available in type 304 or 316 stainless steel only. For non stainless steel  $\frac{3}{8}$ " rod sizes, see Fig. 345 Steel Top Beam Clamp and Fig. 353 Malleable Domestic Beam Clamp.

# BEAM CLAMPS



## DOMESTIC BEAM CLAMP FIG. 350, 353, 354, 355, 356, & 357

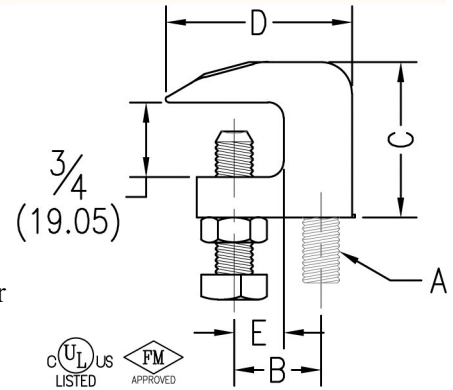
**Function:** Designed for attaching hanger rod to the top flange of a beam or bar joist, where the flange thickness does not exceed  $\frac{3}{4}$ " (19.05mm). The open U design permits rod adjustment. The universal design of the  $\frac{3}{8}$ " Fig. 353 allows it to be used in an inverted position on the bottom flange of a beam as well.

**Material:** Malleable iron with hardened steel cup point set screw and locknut  
**Finish:** Plain or electro-galvanized (Hot dipped galvanized with electro-galvanized hardware upon request)

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL), for sizes  $\frac{3}{8}$ " to  $\frac{7}{8}$ " only. Factory Mutual Approved for rod sizes  $\frac{3}{8}$ " and  $\frac{1}{2}$ " only. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/MSS SPSP-58 (Type 19) which supersedes ANSI/MSS SP-69. Fig. 353 sized for  $\frac{3}{8}$ " rod can be used in an inverted position (bottom of beam) and follows the same U.S. (UL), Canada (CUL), and Factory Mutual Approvals. Used in this manner the  $\frac{3}{8}$ " Fig. 353 also complies with Federal Specifications A-A-1192A (Type 23) and Manufacturers' Standardization Society ANSI/MSS SPSP-58 (Type 23) which supersedes ANSI/MSS SP-69. (Approvals are only valid for beam clamps with locknut). Buy American Act compliant.

**Ordering:** Specify figure number, rod size, material, and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional  $\frac{1}{4}$  to  $\frac{1}{2}$  turn.*



Set Screw Torque				
Nominal Thread Size	$\frac{3}{8}$	$\frac{1}{2}$	Caution should be taken not to over tighten the set screw	
Rec. Torque	in-lbs.	60		125
	N-m	(6.8)		(14.1)

Figure Numbers	Rod Size A	B		C		D		E		Max. Pipe Size		Max. Rec. Load		Wt. Each	
			(mm)		(mm)		(mm)		(mm)		(in)	lbs.	kN	lbs.	kg
* 350	$\frac{1}{4}$	$\frac{7}{8}$	(22.23)	$1\frac{1}{2}$	(38.10)	$1\frac{5}{8}$	(41.28)	$\frac{1}{2}$	(12.70)	N/A	N/A	250	(1.11)	.34	(.15)
$\Delta$ 353	$\frac{3}{8}$	$\frac{7}{8}$	(22.23)	$1\frac{1}{2}$	(38.10)	$1\frac{5}{8}$	(41.28)	$\frac{1}{2}$	(12.70)	4	(100)	400	(1.78)	.33	(.15)
354	$\frac{1}{2}$	1	(25.40)	$1\frac{1}{2}$	(38.10)	$1\frac{11}{16}$	(42.86)	$\frac{1}{2}$	(12.70)	8	(200)	500	(2.22)	.34	(.15)
355	$\frac{5}{8}$	$1\frac{1}{16}$	(26.99)	$1\frac{1}{2}$	(38.10)	$1\frac{7}{8}$	(47.63)	$\frac{5}{8}$	(15.88)	8	(200)	600	(2.67)	.39	(.18)
356	$\frac{3}{4}$	$1\frac{5}{16}$	(33.34)	$1\frac{3}{4}$	(44.45)	$2\frac{3}{8}$	(60.33)	$\frac{5}{8}$	(15.88)	8	(200)	800	(3.56)	.63	(.29)
357	$\frac{7}{8}$	$1\frac{5}{16}$	(33.34)	$1\frac{3}{4}$	(44.45)	$2\frac{3}{8}$	(60.33)	$\frac{5}{8}$	(15.88)	8	(200)	1200	(5.34)	.60	(.27)

\*  $\frac{1}{4}$ " Fig. 350 Not UL or FM approved.

$\Delta$   $\frac{3}{8}$ " Fig. 353 Reversible design approved for bottom beam use.

THREADED ACCESSORIES  
 CPVC STRAPS  
 BAND HANGERS  
 BEAM CLAMPS  
 CLEVIS HANGERS  
 PIPE ROLLER SUPPORTS  
 PIPE RING HANGERS  
 SPLIT RING HANGERS  
 PIPE CLAMPS  
 CENTER LOAD BEAM CLAMPS  
 PIPE SHIELDS, INSULATION, & SADDLES  
 PIPE GUIDES & SLIDES  
 WALL BRACKETS  
 PIPE SUPPORTS  
 STRUCTURAL ATTACHMENTS  
 SEISMIC BRACING

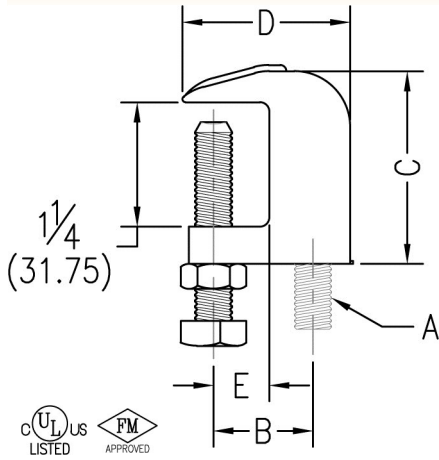


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# BEAM CLAMPS

**FIG. 360**

## IMPORT WIDE MOUTH BEAM CLAMP



**Function:** Designed for attaching hanger rod to the top flange of a beam or bar joist, where the flange thickness does not exceed 1 1/4" (31.75mm). The open U design permits rod adjustment.

**Material:** Malleable iron with hardened steel cup point set screw and locknut

**Finish:** Plain or electro-galvanized

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL), and Factory Mutual Approved for rod sizes 3/8" and 1/2" only. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/MSS SP-58 (Type 19) which supersedes ANSI/MSS SP-69. (Approvals are only valid for beam clamps with locknut).

**Ordering:** Specify figure number, rod size, and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional 1/4 to 1/2 turn.*

Set Screw Torque		
<b>Nominal Thread Size</b>	3/8	
Rec. Torque	in-lbs.	60
	N-m	(6.8)

Caution should be taken not to over tighten the set screw

Rod Size A	B		C		D		E		Max. Pipe Size		Max. Rec. Load		Wt. Each	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lbs.	kN	lbs.	kg
3/8	1	(25.40)	1 7/8	(47.63)	1 5/8	(41.28)	1/2	(12.70)	4	(100)	400	(1.78)	.37	(.17)
1/2	1	(25.40)	1 7/8	(47.63)	1 5/8	(41.28)	1/2	(12.70)	8	(200)	500	(2.22)	.35	(.16)
5/8	1 3/8	(34.93)	2 5/16	(58.74)	2 1/4	(57.15)	3/4	(19.05)	8	(200)	850	(3.78)	.74	(.34)
3/4	1 1/2	(38.10)	2 3/8	(60.33)	2 3/8	(60.33)	3/4	(19.05)	8	(200)	900	(4.00)	.87	(.39)

THREADED ACCESSORIES  
CPVC STRAPS  
BAND HANGERS  
BEAM CLAMPS  
CLEVIS HANGERS  
PIPE ROLLER SUPPORTS  
SPLIT RING HANGERS  
PIPE CLAMPS  
CENTER LOAD BEAM CLAMPS  
PIPE SHIELDS, INSULATION, & SADDLES  
PIPE GUIDES & SLIDES  
WALL BRACKETS  
PIPE SUPPORTS  
STRUCTURAL ATTACHMENTS  
SEISMIC BRACING

Unless otherwise specified, all dimensions on drawings and in charts are in inches and dimensions shown in parentheses are in millimeters.

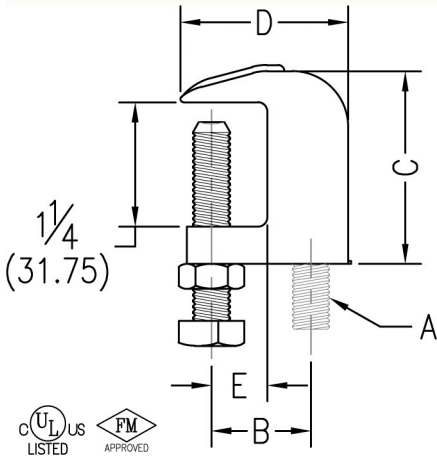


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# BEAM CLAMPS

**FIG. 363 & 364**

## DOMESTIC WIDE MOUTH BEAM CLAMP



**Function:** Designed for attaching hanger rod to the top flange of a beam or bar joist, where the flange thickness does not exceed 1 1/4" (31.75mm). The open U design permits rod adjustment.

**Material:** Malleable iron with hardened steel cup point set screw and locknut  
**Finish:** Plain or electro-galvanized (Hot dipped galvanized with electro-galvanized hardware upon request)

**Approvals:** Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL), and Factory Mutual Approved for rod sizes. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/MSS SP-58 (Type 19) which supersedes ANSI/MSS SP-69. (Approvals are only valid for beam clamps with locknut). Buy American Act compliant.

**Ordering:** Specify figure number, rod size, and finish.

*NOTE: When a torque wrench is unavailable, the setscrew should be tightened so it contacts the I-beam and then an additional 1/4 to 1/2 turn.*

Set Screw Torque		
Nominal Thread Size	3/8	
Rec. Torque	in-lbs.	60
	N-m	(6.8)

Caution should be taken not to over tighten the set screw

Figure Numbers	Rod Size A	B		C		D		E		Max. Pipe Size		Max. Rec. Load		Wt. Each	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kN	lbs.	kg
363	3/8	1	(25.40)	1 7/8	(47.63)	1 5/8	(41.28)	1/2	(12.70)	4	(100)	400	(1.78)	.37	(.17)
364	1/2	1	(25.40)	1 7/8	(47.63)	1 5/8	(41.28)	1/2	(12.70)	8	(200)	500	(2.22)	.35	(.16)

THREADED ACCESSORIES  
 CPVC STRAPS  
 BAND HANGERS  
 BEAM CLAMPS  
 CLEVIS HANGERS  
 PIPE ROLLER SUPPORTS  
 SPLIT RING HANGERS  
 PIPE CLAMPS  
 CENTER LOAD BEAM CLAMPS  
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 PIPE GUIDES & SLIDES  
 WALL BRACKETS  
 PIPE SUPPORTS  
 STRUCTURAL ATTACHMENTS  
 SEISMIC BRACING