



The following excerpt are pages from the [North American Product Technical Guide Volume 3: Modular Support Systems Technical Guide, Edition 1](#) .

Please refer to the publication in its entirety for complete details on this product including load values, approvals/listings, general suitability, finishes, quality, etc.

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3.0 MODULAR SUPPORT SYSTEM

3.2.11 MT MEDIA FIXATION

MP-UB OC

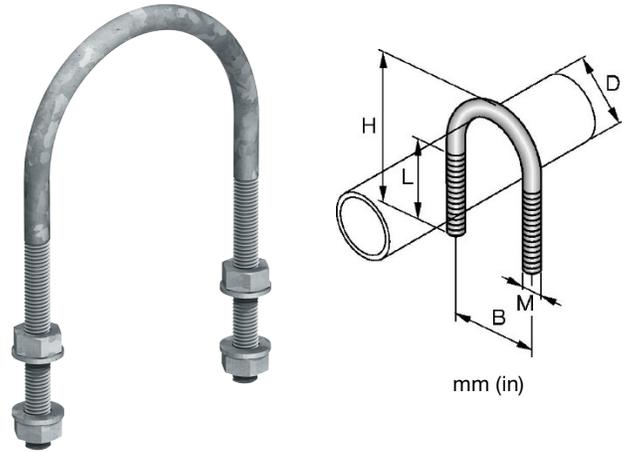
Description

U-bolt for attaching pipes to connectors or directly onto MT members.

Corrosion Protection

Hot-Dipped Galvanized (HDG)

U-Bolt MP-UB 1-1/2" to 24" OC



Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.	U-Bolt Thread "M" Before Coating (in)	Pipe Diameter "D" (in)	Dimension "H" (in)	Dimension "B" ¹ (in)	Thread Length "L" (in)
U-Bolt MP-UB 1-1/2" OC	0.33 (0.15)	20	2288426	3/8	1-1/2	4.35	2.85	2.9
U-Bolt MP-UB 2" OC	0.37 (0.17)	20	2288427	3/8	2	4.85	3.4	3
U-Bolt MP-UB 2-1/2" OC	0.77 (0.35)	10	2288428	1/2	2-1/2	5.55	4	3.25
U-Bolt MP-UB 3" OC	0.86 (0.39)	10	2288429	1/2	3	6.1	4.25	3.6
U-Bolt MP-UB 3-1/2" OC	0.93 (0.42)	10	2288430	1/2	3-1/2	6.6	4.75	3.6
U-Bolt MP-UB 4" OC	1.00 (0.46)	10	2288431	1/2	4	7	5.25	3.6
U-Bolt MP-UB 5" OC	1.15 (0.52)	10	2288432	1/2	5	8.2	6.25	3.7
U-Bolt MP-UB 6" OC	1.32 (0.60)	2	2288433	1/2	6	9.25	7.25	3.7
U-Bolt MP-UB 8" OC	1.60 (0.73)	2	2288434	1/2	8	11.25	9.25	3.7
U-Bolt MP-UB 10" OC	1.98 (0.90)	2	2288435	1/2	10	14	11.5	4.38
U-Bolt MP-UB 12" OC	2.27 (1.03)	2	2288436	1/2	12	16	13.5	4.38
U-Bolt MP-UB 14" OC	7.65 (3.47)	2	2288437	7/8	14	17.25	15.13	4.38
U-Bolt MP-UB 16" OC	8.53 (3.87)	2	2288438	7/8	16	19.25	17.13	4.38
U-Bolt MP-UB 18" OC	12.54 (5.69)	2	2288439	1	18	21.69	19.25	4.81
U-Bolt MP-UB 20" OC	13.69 (6.21)	2	2288311	1	20	23.68	21.25	4.81
U-Bolt MP-UB 24" OC	15.98 (7.25)	2	2288313	1	24	27.68	25.25	4.81

1. Dimension "B" is measured from center line to center line of the U-bolt.

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MP-UB OC

Figure 113 - Attachment to MT Profile



*For attachment to MT girder, install a pair of MT-FA-G connectors with MT-TFB.

Load Condition

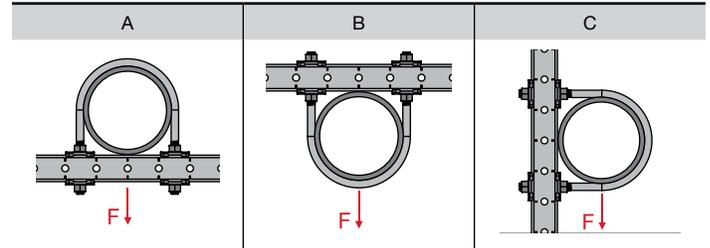


Table 273 - Allowable Strength Design (ASD) Load Data^{1,2,3,4}

Static Loads (non-sprinkler loads)	Load Condition A Max Allowable Load (lb)	Load Condition B Max Allowable Load		Load Condition C Max Allowable Load (lb)
		@ 650° F (lb)	@ 750° F (lb)	
MP-UB 1-1/2"-2" OC 3/8"	See load resistance of sub-structure	1,460	1,144	365
MP-UB 2-1/2"-12" OC 1/2"		2,700	2,114	675
MP-UB 14"-16" OC 7/8"		8,960	7,016	2,000
MP-UB 18"-24" OC 1"		11,800	9,239	N.A.

1. Minimum safety factor, Ω , for tabulated values is 3.50.

2. Load data is based on MSS-SP 58 methodologies.

3. See Figure 113.

4. Load data is for U-bolt only. Design professional is responsible for checking MT profile and connector strength.

Sprinkler Approved		
Load Condition A	MP-UB 1-1/2"-12" OC	MP-UB 1-1/2"-12" OC
Load Condition B		
Load Condition C	MP-UB 1-1/2"-5" OC	