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.

To consult directly with a team member regarding our modular support system products, contact Hilti's team of technical support specialists between the hours of 7:00am – 6:00pm CST.
US: 877-749-6337 or HNATechnicalServices@hilti.com
CA: 1-800-363-4458, ext. 6 or CATechnicalServices@hilti.com

Hilti, Inc.
7250 Dallas Parkway, Suite 1000
Plano, TX 75024

1-800-879-8000
www.hilti.com

3.0 MODULAR SUPPORT SYSTEM
3.2.6 MT ANGLE BRACES AND FITTINGS
MT-B-GS AB OC

Description

Angle brace base connector for MT-70 girder to MT, concrete, or steel (X-BT/S-BT/F-BT).

Material Specifications

Standard[1]	Grade[1]	F_y, ksi (MPa)	F_u, ksi (MPa)
GB/T 1591	Q355 B	51.49 (355)	68.17 (470)

1. Mechanical properties of GB/T 1591 Grade Q355 B meet or exceed the mechanical properties of ASTM A1011 SS Grade 50.

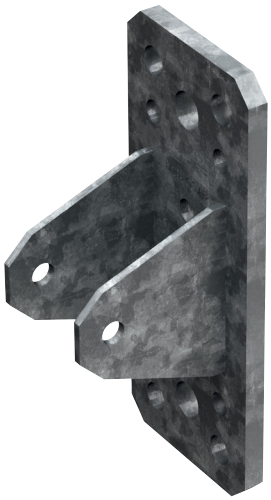
Corrosion Protection

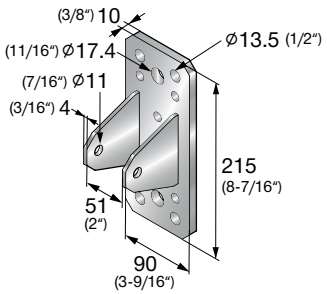
Hot-Dipped Galvanized (HDG)

MT-B-GS AB OC

Ordering Information

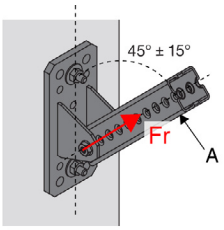
Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-B-GS AB OC	3.62 (1.64)	8	2332787





mm (in)

Figure 74 - MT Girder-to-Concrete



A. MT-70

Table 205 - Allowable Strength Design (ASD) Load Data[1,2,3,4]

F_r lb (kN)
3,795 (16.90)

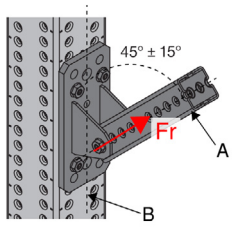
1. Safety factor, Ω, for tabulated values is 3.4.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. Load values are for base connector only. Design professional is responsible for checking concrete and fastener strength.
4. See Figure 74.

Table 206 - Limit State Design (LSD) Load Data[1,2,3]

F_r lb (kN)
5,280 (23.50)

1. Resistance factor, ϕ, for tabulated values is 0.4.
2. Load values are for base connector only. Design professional is responsible for checking concrete and fastener strength.
3. See Figure 74.

Figure 75 - MT Girder-to-Girder



A. MT-70
B. MT-80 (long side)/MT-90/MT-100

Table 207 - Allowable Strength Design (ASD) Load Data[1,2,3]

F_r lb (kN)
2,940 (13.10)

1. Safety factor, Ω, for tabulated values is 2.5.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 75.

Table 208 - Limit State Design (LSD) Load Data[1,2]

F_r lb (kN)
4,180 (18.60)

1. Resistance factor, ϕ, for tabulated values is 0.6.
2. See Figure 75.