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.
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3.0 MODULAR SUPPORT SYSTEM

3.2.6 MT ANGLE BRACES AND FITTINGS

MT-B-GL AB OC

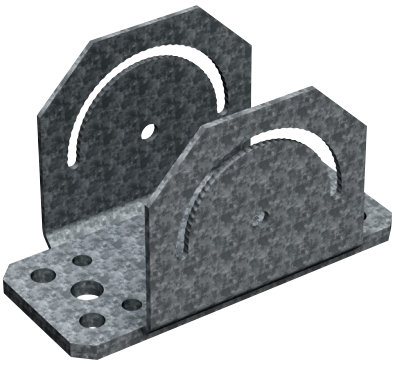
Description

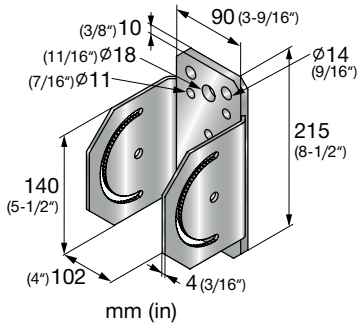
Adjustable angle brace base for MT-90 or MT-100 girder to MT, concrete, or steel (X-BT/S-BT/F-BT).

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

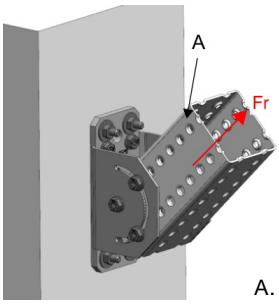
Hot-Dipped Galvanized (HDG)

MT-B-GL AB OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-B-GL AB OC	5.20 (2.36)	6	2353811

Figure 76 - MT Girder-to-Concrete



A. MT-90/100 (long side)

Table 209 - Allowable Strength Design (ASD) Load Data[1,2,3,4]

F_r lb (kN)
5,035 (22.40)

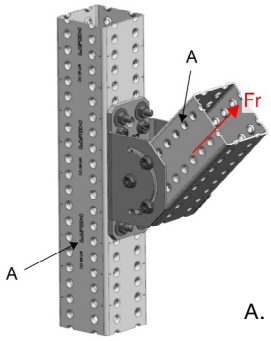
1. Safety factor, Ω, for tabulated values is 2.5.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. Load values are for base connector only. Design professional is responsible for checking concrete and fastener strength.
4. See Figure 76.

Table 210 - Limit State Design (LSD) Load Data[1,2,3]

F_r lb (kN)
7,125 (31.70)

1. Resistance factor, ϕ, for tabulated values is 0.6.
2. Load values are for base connector only. Design professional is responsible for checking concrete and fastener strength.
3. See Figure 76.

Figure 77 - MT Girder-to-Girder



A. MT-90/100 (long side)

Table 211 - Allowable Strength Design (ASD) Load Data[1,2,3]

F_r lb (kN)
3,145 (14.00)

1. Safety factor, Ω, for tabulated values is 2.2.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 77.

Table 212 - Limit State Design (LSD) Load Data[1,2]

F_r lb (kN)
4,450 (19.80)

1. Resistance factor, ϕ, for tabulated values is 0.65.
2. See Figure 77.