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
3.2.2 MT BASE CONNECTORS
MT-B-G WS NC

Description

Weldable starter bracket for all MT girders.

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
### Zinc (Ethyl) Silicate Primer

MT-B-G WS NC[1] (Weldable Primer)

1. "NC" indicates "non-coated".

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-B-G WS NC	9.58 (4.34)	4	2272109

6 (1/4")

11x14 (7/16" x 9/16")

226 (8-7/8") 226 (8-7/8")

mm (in)
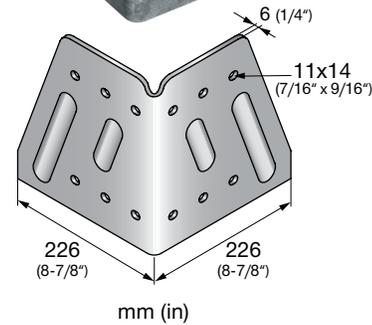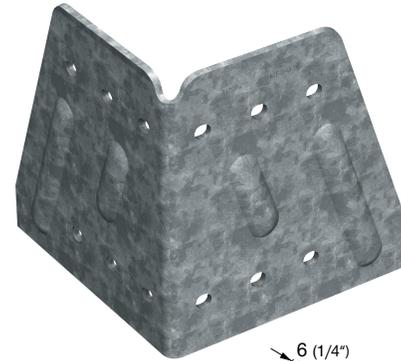
Figure 24 - MT Girder Connection
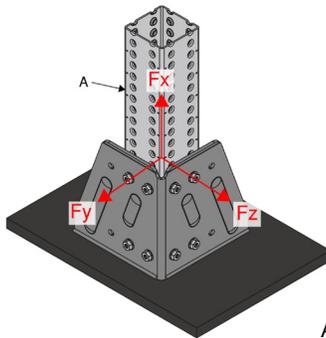
A. MT-70/80/90/100

Table 105 - Allowable Strength Design (ASD) Load Data[1,2,3,4]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)	M_y lb ft (kN m)	M_z lb ft (kN m)
10,030 (44.62)	2,620 (11.67)	2,830 (12.61)	1,090 (1.48)	1,090 (1.48)

1. Minimum safety factor, Ω, for tabulated values is 2.1.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. Welds to be checked by the design professional.
4. See Figure 24.

Table 106 - Limit State Design (LSD) Load Data[1,2,3]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)	M_y lb ft (kN m)	M_z lb ft (kN m)
12,880 (57.31)	3,940 (17.53)	4,260 (18.96)	1,635 (2.22)	1,635 (2.22)

1. Maximum resistance factor, Φ, for tabulated values is 0.70.
2. Welds to be checked by the design professional.
3. See Figure 24.