



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-AB-LL2 45

Description

45-degree angle bracket for bracing channel connections.

Material Specifications

Standard ¹	Grade ¹	F _y , ksi (MPa)	F _u , ksi (MPa)
GB/T 700	Q235 B	34.08 (235)	53.66 (370)

1. Mechanical properties of GB/T 700 Grade Q235 B meet or exceed the mechanical properties of ASTM A1011 SS Grade 33.

Corrosion Protection

Electro-Galvanized (EG)

MT-AB-LL2 45

Hot-Dipped Galvanized (HDG)

MT-AB-LL2 45 OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-AB-LL2 45	1.32 (0.60)	10	2272115
MT-AB-LL2 45 OC	1.32 (0.60)	10	2273585

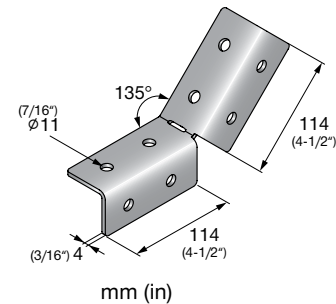
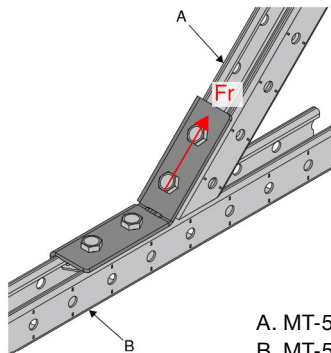


Figure 72 - MT Channel-to-Channel Connection



A. MT-50
B. MT-50/60/40D

Table 201 - Allowable Strength Design (ASD) Load Data^{1,2,3}

F _r lb (kN)
1,300 (5.79)

1. Safety factor, Ω , for tabulated values is 3.0.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 72.

Table 202 - Limit State Design (LSD) Load Data^{1,2}

F _r lb (kN)
1,640 (7.33)

1. Resistance factor, ϕ , for tabulated values is 0.45.
2. See Figure 72.

