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

3.2.3 MT SYSTEM CONNECTORS

MT-C-LL2

Description

8-hole angle connector for channels.

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-C-LL2

Hot-Dipped Galvanized (HDG)

MT-C-LL2 OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-LL2	1.30 (0.59)	10	2272051
MT-C-LL2 OC	1.30 (0.59)	10	2272053

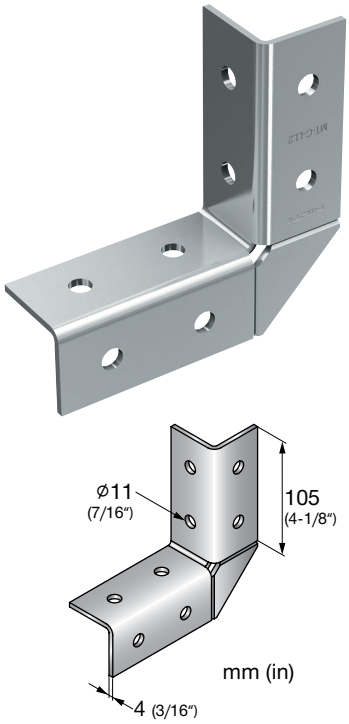
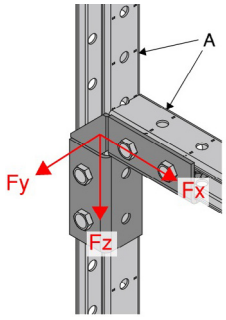


Figure 32 - MT Channel Connection



A. MT-30/50/60/40D

Table 121 - Allowable Strength Design (ASD) Load Data[1,2,3]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)
1,070 (4.78)	530 (2.36)	1,070 (4.78)

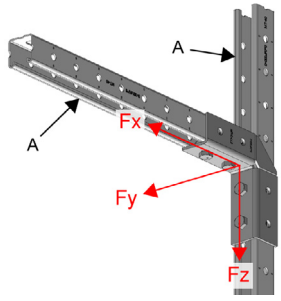
1. Minimum safety factor, Ω, for tabulated values is 2.65.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 32.

Table 122 - Limit State Design (LSD) Load Data[1,2]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)
1,380 (6.15)	645 (2.88)	1,380 (6.15)

1. Maximum resistance factor, Φ, for tabulated values is 0.5.
2. See Figure 32.

Figure 33 - MT Channel Connection



A. MT-30/50/60/40D

Table 123 - Allowable Strength Design (ASD) Load Data[1,2,3]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)
1,025 (4.56)	170 (0.77)	1,025 (4.56)

1. Minimum safety factor, Ω, for tabulated values is 2.65.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 33.

Table 124 - Limit State Design (LSD) Load Data[1,2]

F_x lb (kN)	F_y lb (kN)	F_z lb (kN)
1,320 (5.88)	210 (0.95)	1,320 (5.88)

1. Maximum resistance factor, Φ, for tabulated values is 0.5.
2. See Figure 33.