



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-L2

##### Description

3-hole angle connector for channel-to-channel or channel-to-girder.

##### Material Specifications

Standard <sup>1</sup>	Grade <sup>1</sup>	F <sub>y</sub> , ksi (MPa)	F <sub>u</sub> , 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

###### Electro-Galvanized (EG)

MT-C-L2

###### Hot-Dipped Galvanized (HDG)

MT-C-L2 OC

##### Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-L2	0.57 (0.26)	20	2271518
MT-C-L2 OC	0.57 (0.26)	20	2271519

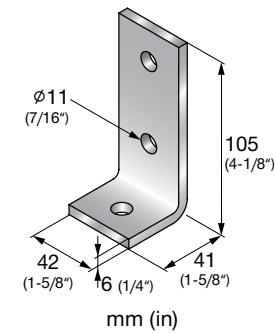
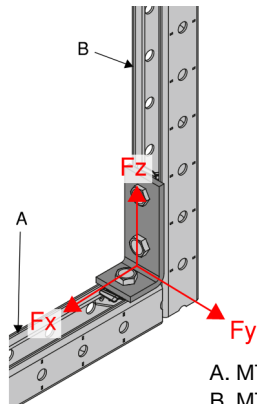


Figure 28 - MT Channel Connection



- A. MT-30/50/60/40D  
B. MT-30/50/60/40D/70/80/90/100

Table 113 - Allowable Strength Design (ASD) Load Data<sup>1,2,3</sup>

F <sub>x</sub> lb (kN)	F <sub>y</sub> lb (kN)	F <sub>z</sub> lb (kN)
490 (2.18)	350 (1.56)	1,120 (5.00)

1. Minimum safety factor,  $\Omega$ , for tabulated values is 2.0.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 28.

Table 114 - Limit State Design (LSD) Load Data<sup>1,2</sup>



F <sub>x</sub> lb (kN)	F <sub>y</sub> lb (kN)	F <sub>z</sub> lb (kN)
735 (3.29)	490 (2.18)	1,370 (6.10)

1. Maximum resistance factor,  $\Phi$ , for tabulated values is 0.75.
2. See Figure 28.