



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

### 3.2.10 MT THREADED ROD CONNECTORS AND PIPE SADDLES

#### MT-CTR-GS OC

##### Description

Threaded rod hanging connector for MT-70 and MT-80 (short side) girders.

##### 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

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

MT-CTR-GS 1/2 OC

MT-CTR-GS 5/8 OC

##### Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-CTR-GS 1/2 OC	1.02 (0.46)	16	2332791
MT-CTR-GS 5/8 OC	1.11 (0.50)	16	2332792

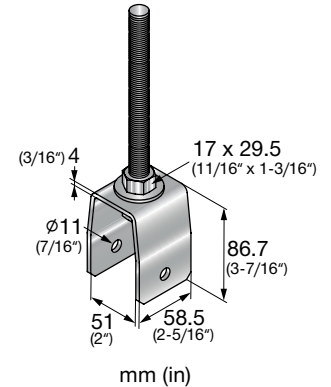
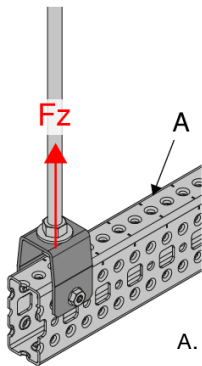


Figure 105 - MT Channel-to-Channel Connection



A. MT-70/80 (short side)

Table 259 - Allowable Strength Design (ASD) Load Data<sup>1,2,3</sup>

F <sub>z</sub> lb (kN)
2,470 (11.00)

1. Minimum safety factor,  $\Omega$ , for tabulated values is 3.6.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 105.

Table 260 - Limit State Design (LSD) Load Data<sup>1,2</sup>



F <sub>z</sub> lb (kN)
3,955 (17.60)

1. Maximum resistance factor,  $\phi$ , for tabulated values is 0.45.
2. See Figure 105.