



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-C-PS

##### Description

Connector for pipe saddle attachment for pipe stanchion applications on MT-80 (long side), MT-90, or MT-100 (short side).

##### 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.

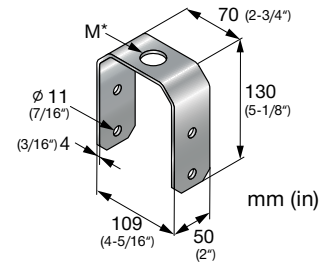
##### Corrosion Protection

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

MT-C-PS 5/8 OC
MT-C-PS 7/8 OC
MT-C-PS 1-1/4 OC

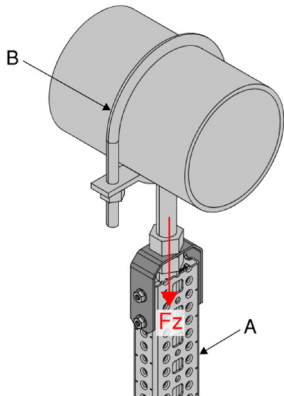
##### Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-PS 5/8 OC	1.20 (0.54)	10	2343196
MT-C-PS 7/8 OC	1.18 (0.54)	10	2343197
MT-C-PS 1-1/4 OC	1.16 (0.53)	10	2343198



\*Hole size, M, varies based on rod diameter of 5/8", 7/8", or 1-1/4".

Figure 107 - Connection to MT Girder



A. MT-80 (long side), MT-90, MT-100 (short side)  
B. B. MI-PSCU / MI-PSU Pipe Saddle

Table 263 - Allowable Strength Design (ASD) Load Data<sup>1,2,3</sup>

F <sub>z</sub> lb (kN)
1,175 (5.24)

1. Minimum safety factor,  $\Omega$ , for tabulated values is 2.7.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 107.

Table 264 - Limit State Design (LSD) Load Data<sup>1,2</sup>

F <sub>z</sub> lb (kN)
1,525 (6.80)

1. Maximum resistance factor,  $\phi$ , for tabulated values is 0.5.
2. See Figure 107.

