



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-A

#### Description

Adjustable brace for anchoring bracing of MT-50 channel.

#### Material Specifications

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

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

MT-AB-A OC

#### Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-AB-A	0.97 (0.44)	12	2346395
MT-AB-A OC	0.97 (0.44)	12	2346396

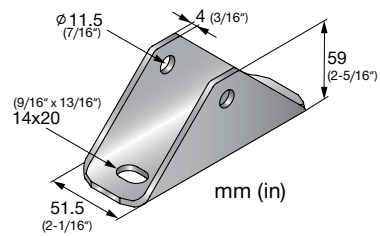
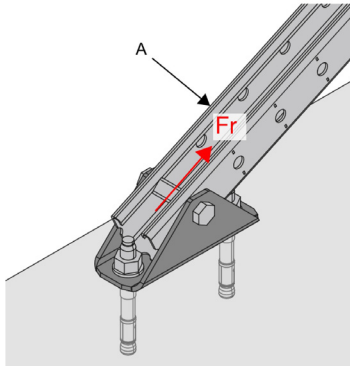


Figure 69 - MT Channel Base Anchorage



A. MT-50

Table 195 - Allowable Strength Design (ASD) Load Data<sup>1,2,3,4</sup>

F <sub>r</sub> lb (kN)
2,060 (9.17)

1. Safety factor,  $\Omega$ , for tabulated values is 3.5.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. Load values are for base connector only. The design professional is responsible for checking base and anchor strength.
4. See Figure 69.

Table 196 - Limit State Design (LSD) Load Data<sup>1,2,3</sup>

F <sub>r</sub> lb (kN)
2,610 (11.61)

1. Resistance factor,  $\phi$ , for tabulated values is 0.4.
2. Load values are for base connector only. The design professional is responsible for checking base and anchor strength.
3. See Figure 69.

