



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-T 3D/2/HL OC

Description

3D connector for channel-to-channel connections on rooftop applications.

Material Specifications

Standard ¹	Grade ¹	F _y , ksi (MPa)	F _u , ksi (MPa)
EN 10025-2	S235 JR	34.08 (235)	53.66 (370)

1. Mechanical properties of EN 10025-2 Grade S235 JR meet or exceed the mechanical properties of ASTM A1011 SS Grade 33.

Corrosion Protection

Hot-Dipped Galvanized (HDG)

MT-C-T 3D/2/HL OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-T 3D/2/HL OC	0.45 (0.21)	8	2320181

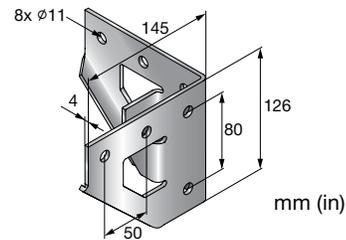


Figure 60 - MT Channel Connection

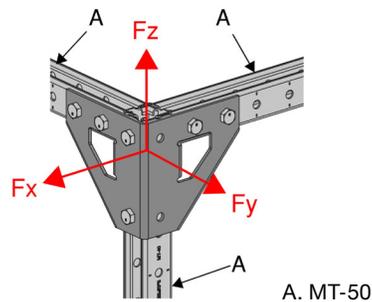


Table 177 - Allowable Strength Design (ASD) Load Data^{1,2,3}

F _x lb (kN)	F _y lb (kN)	F _z lb (kN)	M _x ft lb (kN m)	M _y ft lb (kN m)
965 (4.31)	965 (4.31)	1,315 (5.87)	60 (0.084)	115 (0.156)

1. Minimum safety factor, Ω , 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 60.

Table 178 - Limit State Design (LSD) Load Data^{1,2}



F _x lb (kN)	F _y lb (kN)	F _z lb (kN)	M _x ft lb (kN m)	M _y ft lb (kN m)
1,455 (6.48)	1,375 (6.12)	1,985 (8.83)	90 (0.126)	180 (0.250)

1. Maximum resistance factor, ϕ , for tabulated values is 0.75.
2. See Figure 60.