



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.

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3.0 MODULAR SUPPORT SYSTEM

3.2.3 MT SYSTEM CONNECTORS

MT-C-GL OC

Description

Angle connector for MT-80 (long side), MT-90, and MT-100 girders. Use as base for attachment to concrete or steel (X-BT/S-BT/F-BT compatible).

Material Specifications

Standard ¹	Grade ¹	F _y , ksi (MPa)	F _u , 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-GL OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-GL OC	2.64 (1.2)	10	2272066

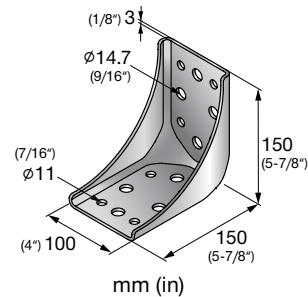
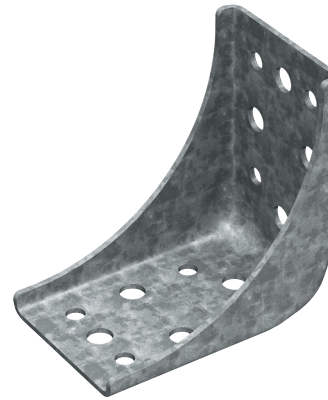
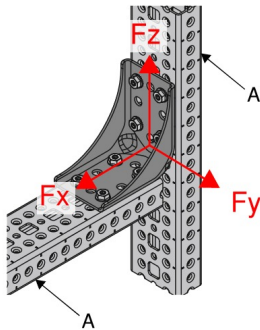
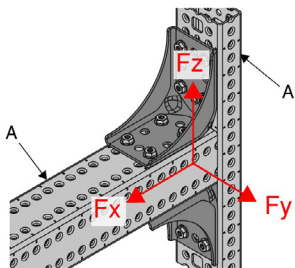


Figure 41 - MT Single Angle Connection



A. MT-80 (long side)/90/100

Figure 42 - MT Double Angle Connection



A. MT-80 (long side)/90/100

Table 139 - Allowable Strength Design (ASD) Load Data^{1,2,3}

F _x lb (kN)	F _y lb (kN)	F _z lb (kN)
3,070 (13.65)	2,610 (11.6)	3,240 (14.45)

1. Minimum safety factor, Ω , for tabulated values is 2.2.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 41.

Table 140 - Limit State Design (LSD) Load Data^{1,2}



F _x lb (kN)	F _y lb (kN)	F _z lb (kN)
4,910 (21.83)	3,680 (16.38)	4,610 (20.52)

1. Maximum resistance factor, Φ , for tabulated values is 0.65.
2. See Figure 41.

Table 141 - Allowable Strength Design (ASD) Load Data^{1,2,3}

F _x lb (kN)	F _y lb (kN)	F _z lb (kN)	M _y ft lb (kN m)	M _z ft lb (kN m)
7,340 (32.65)	5,230 (23.27)	5,620 (25.00)	1,320 (1.79)	875 (1.19)

1. Minimum safety factor, Ω , for tabulated values is 2.2.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. See Figure 42.

Table 142 - Limit State Design (LSD) Load Data^{1,2}



F _x lb (kN)	F _y lb (kN)	F _z lb (kN)	M _y ft lb (kN m)	M _z ft lb (kN m)
10,690 (47.58)	7,360 (32.76)	7,975 (35.49)	1,870 (2.54)	1,140 (1.55)

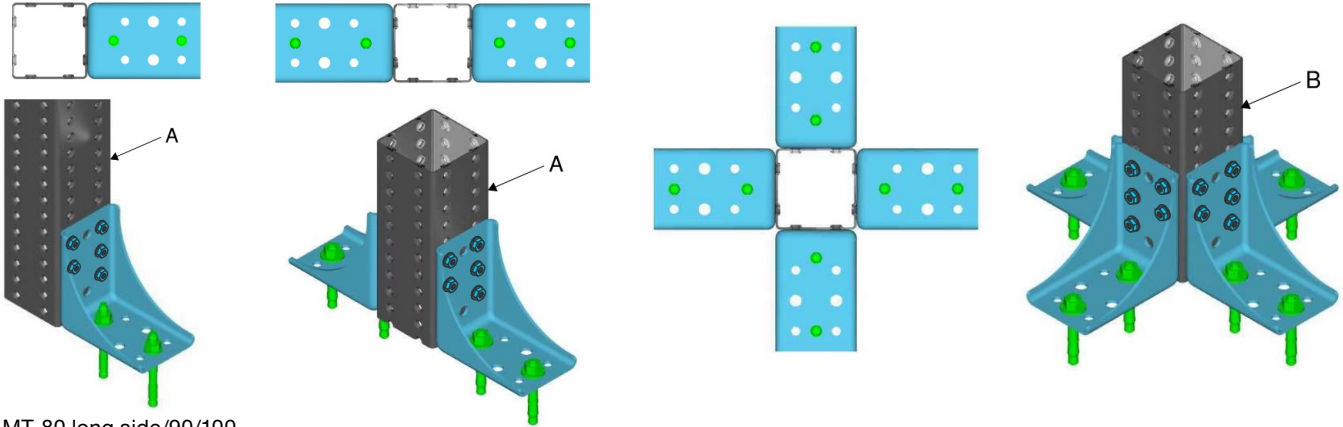
1. Maximum resistance factor, Φ , for tabulated values is 0.65.
2. See Figure 42.

3.0 MODULAR SUPPORT SYSTEM

3.2.3 MT SYSTEM CONNECTORS

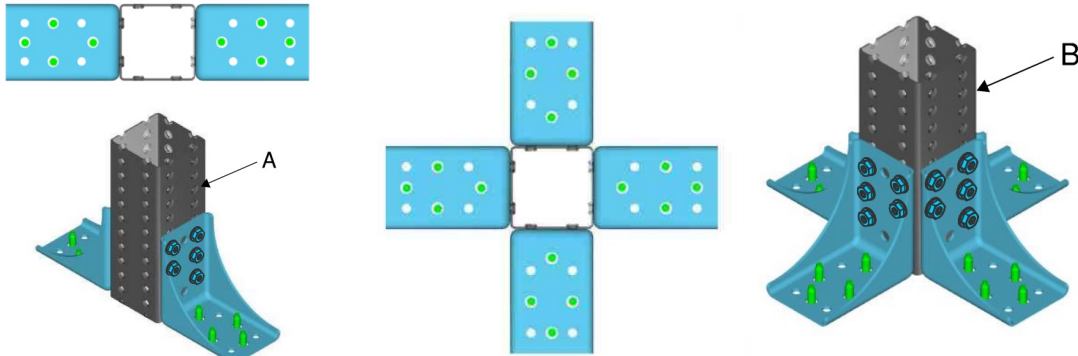
Additional Variants

Base Connector



A. MT-80 long side/90/100
B. MT-90/100

Direct Fasten to Steel



A. MT-80 long side/90/100
B. MT-90/100