



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-GLP X A OC

Description

Adjustable connector plate for cantilever with MT-80 (long side) or MT-90 girders.

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-GLP X A OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-C-GLP X A OC	2.25 (1.02)	10	2332783

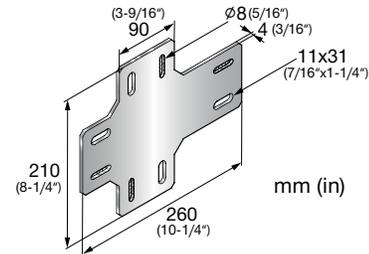
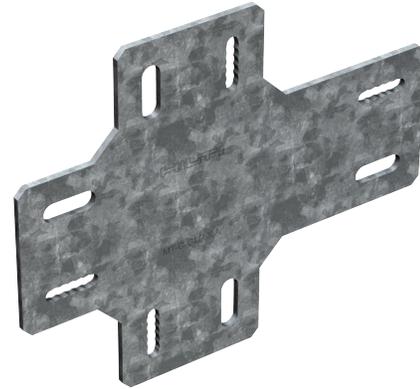
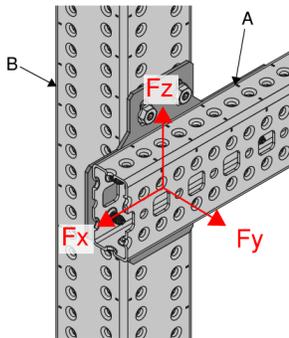


Figure 52 - MT Girder Connection



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

Table 161 - 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)
1,030 (4.59)	970 (4.32)	1,255 (5.60)	1,450 (1.97)

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 52.

Table 162 - 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)
1,460 (6.50)	1,375 (6.12)	1,780 (7.93)	1,885 (2.56)

1. Maximum resistance factor, ϕ , for tabulated values is 0.65.
2. See Figure 52.