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.
US: 877-749-6337 or HNATechnicalServices@hilti.com
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3.0 MODULAR SUPPORT SYSTEM
3.2.11 MT MEDIA FIXATION
MT-FPS-GL OC

Description

Adjustable guiding bracket for fastening sliding pipe shoes to MT-90 and MT-100 girders.

Material Specifications

Standard[1]	Grade[1]	F_y, ksi (MPa)	F_u, 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
Hot-Dipped Galvanized (HDG)

MT-FPS-GL OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-FPS-GL OC	0.87 (0.40)	10	2273701

$\varnothing$ 10.8 (7/16")
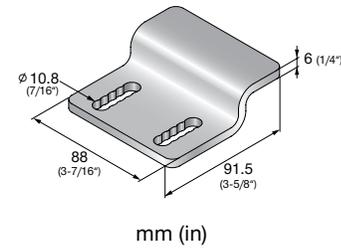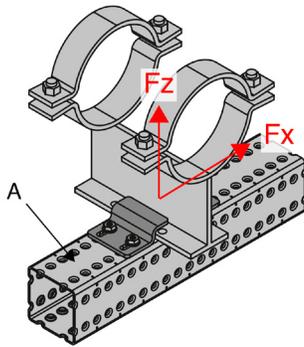88 (3-7/16")
91.5 (3-5/8")
6 (1/4")

mm (in)

Figure 112 - MT Girder Connection

Fz
Fx
A

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

Table 271 - Allowable Strength Design (ASD) Load Data[1,2,3,4]

F_x lb (kN)	F_z lb (kN)
705 (3.14)	530 (2.36)

1. Minimum safety factor, Ω, for tabulated values is 3.0.
2. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
3. Tabulated values are based on brackets being installed in pairs.
4. See Figure 112.

Table 272 - Limit State Design (LSD) Load Data[1,2,3]

F_x lb (kN)	F_z lb (kN)
1,045 (4.67)	790 (3.52)

1. Maximum resistance factor,Φ, for tabulated values is 0.5.
2. Tabulated values are based on brackets being installed in pairs.
3. See Figure 112.