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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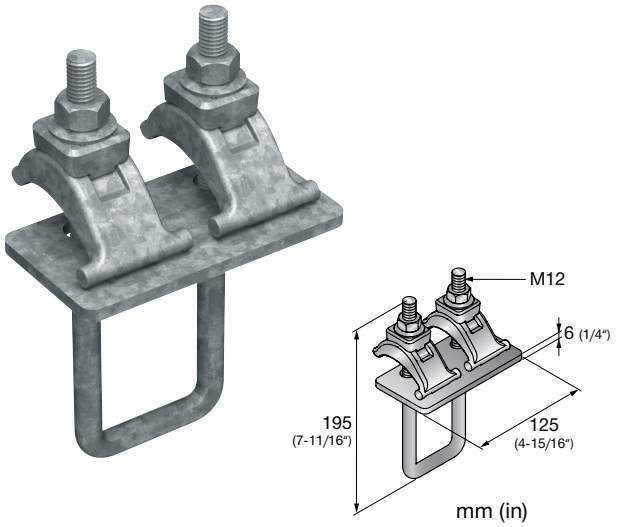
3.0 MODULAR SUPPORT SYSTEM
3.2.9 MT BEAM CLAMPS
MT-BC-GS T OC

Description

Girder beam clamp – MT-70 and MT-80.



Corrosion Protection

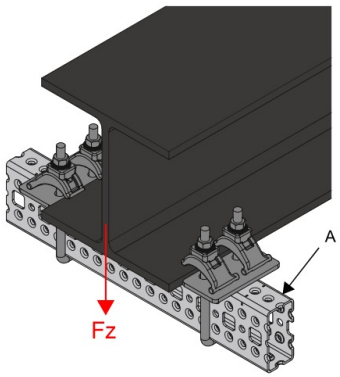
Hot-Dipped Galvanized (HDG)

MT-BC-GS T OC

Ordering Information

Description	Weight Per Piece lbs (kg)	Quantity Piece(s)	Item No.
MT-BC-GS T OC	2.81 (1.28)	12	2273587

Figure 100 - MT Girder-to-Steel



A. MT-70/80

Table 249 - Allowable Strength Design (ASD) Load Data[1,2,3,4,5]

F_z lb (kN)
3,035 (13.52)

1. Safety factor, Ω, for tabulated values is 2.0.
2. Tabulated values represent the total allowable load on a pair of beam clamps. The load resisted by a single beam clamp must not exceed 1,515 lbs (6.76 kN).
3. Multiply tabulated values by 1.5 to obtain minimum Load and Resistance Factor Design (LRFD) values.
4. The design professional must account for moment decoupling when the applied loads do not occur between the pair of beam clamps.
5. See Figure 100.

Table 250 - Limit State Design (LSD) Load Data[1,2,3,4]

F_z lb (kN)
4,555 (20.28)

1. Resistance factor, ϕ, for tabulated values is 0.75.
2. Tabulated values represent the total factored design load on a pair of beam clamps. The load resisted by a single beam clamp must not exceed 2,275 lbs (10.14 kN).
3. The design professional must account for moment decoupling when the applied loads do not occur between the pair of beam clamps.
4. See Figure 100.