

4.2 MQ System Components — Load Data and Material Specifications

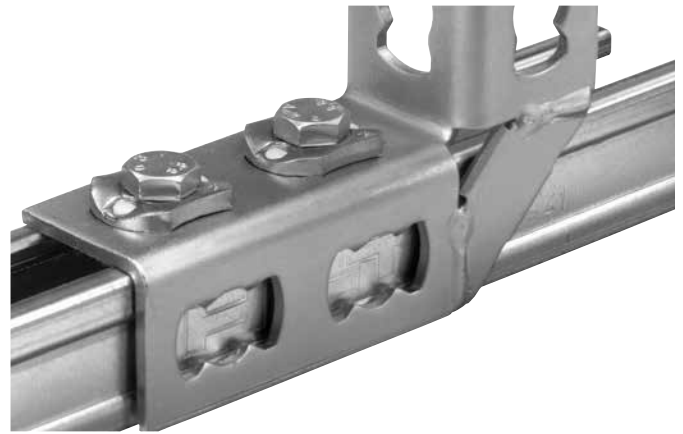
MQN Pushbutton (Connector)

Product Features

- One-part fastener replaces a spring nut, bolt and washer
- Removable and reusable
- Universal — one MQN Pushbutton fits all Hilti strut profiles

Material Specifications

Material	Carbon steel
Bolt	M10 grade 8.8 as per DIN ISO_898 (ASTM A325)
Width across flats	11/16" (17 mm)
Nut	C4C as per DIN EN 10 263
Plate	S 235 JR (DIN EN 10025), ASTM A283 (D)
Galvanizing	Electro-galvanized Hot-dip galvanized, min. 2.2 mil (56 µm) (HDG)
Material	Stainless steel
Bolt	M10 grade A4-70 as per DIN EN ISO 3506-1
Width across flats	(11/16") 17 mm (316)
Nut	1.4581 as per DIN EN 10 283 (316)
Plate	1.4401 (A4) as per DIN 17 440 (316)



Ordering Information

Description	Weight/Piece (lb)	Qty	Item No.
MQN	0.145	50	369623
MQN-F (HDG)	0.185	50	387779
MQN-R (SS316)	0.170	25	304012

Technical Data

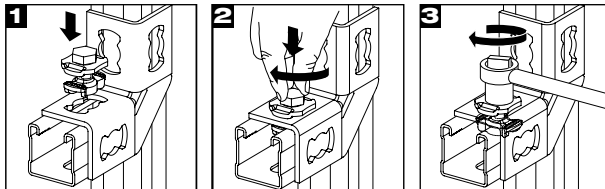
Item	Allowable Loads ²			Tightening Torque M _b (ft-lb)	
	Tension (lb)		Shear single fastening (lb) ¹		Shear double fastening (lb) ¹
	12 ga	14 ga	12 ga or 14 ga		
MQN	1800	1120	1125	2025	30
MQN-F (HDG)	1800	1120	400	720	30
MQN-R (SS)	1800	1120	1125	2025	30

1 Shear loading applies to Hilti serrated strut. Contact Hilti for loading information when using Hilti Pushbuttons in non-serrated strut profiles

2 Based on a safety factor of 2.2.

Installation Instructions

MQN and MQN-F Pushbuttons



Put in position.

Press and turn.

Tighten using 11/16"
socket.

MQN-R Pushbutton

