

4.2 MQ System Components — Load Data and Material Specifications

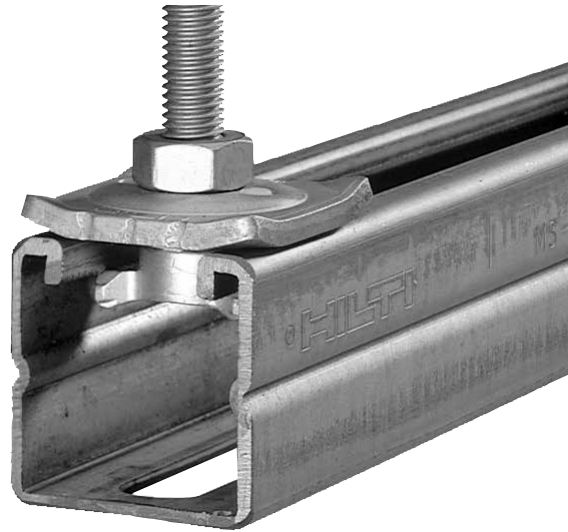
MQA Saddle nut

Product Features

- A single part replacing spring nuts and base plates
- For all strut profiles

Material Specifications

Materials	Carbon steel QS & E 380 TM SEW 92 Stainless steel (316) DIN EN 10283 (SS) Plastic
Finishes	Electro-galvanized Hot-dipped galvanized, min. 2.2 mil (56 µm) (HDG) ASTM A153 (HDG)



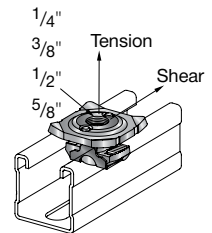
Ordering Information

Description	Connection Thread	Weight/Piece (lb)	Qty	Item No.
MQA-F 1/4"	1/4"	0.194	50	377884
MQA-F 1/4"-R (SS316)	1/4"	0.190	25	401397
MQA-F 3/8"	3/8"	0.192	50	377885
MQA-F 3/8"-F (HDG)	3/8"	0.192	25	304143
MQA-F 3/8"-R (SS316)	3/8"	0.180	25	401398
MQA-F 1/2"	1/2"	0.183	50	377886
MQA-F 1/2"-F (HDG)	1/2"	0.183	25	304144
MQA-F 1/2"-R (SS316)	1/2"	0.160	25	401399
MQA-F 5/8"	5/8"	0.185	50	377887
MQA-F 5/8"-F (HDG)	5/8"	0.185	25	304145
MQA-F 5/8"-R (SS316)	5/8"	0.170	25	401400



Technical Data

Item	Allowable Loads ¹		Tightening Torque M _D (ft-lb)	Finish
	Tension (lb)	Shear (lb) ²		
	12 ga			
MQA-F 1/4"	755	415	7	PG
MQA-F 1/4"-R (SS)	755	415	7	SS
MQA-F 3/8"	1800	1125	15	PG
MQA-F 3/8"-F (HDG)	1800	400	15	HDG
MQA-F 3/8"-R (SS)	1800	1125	15	SS
MQA-F 1/2"	1800	1125	30	PG
MQA-F 1/2"-F (HDG)	1800	400	30	HDG
MQA-F 1/2"-R (SS)	1800	1125	30	SS
MQA-F 5/8"	2100	1125	30	PG
MQA-F 5/8"-F (HDG)	2100	400	30	HDG
MQA-F 5/8"-R (SS)	2100	1125	30	SS



¹ Based on a safety factor of 2.2 when used with Hilti 12 gauge serrated strut profile
² Contact Hilti for loading data when using fasteners in non-serrated strut profiles.