

4.2 MQ System Components — Load Data and Material Specifications

MQM Wing nut

Product Features

- Alternative to spring nut
- Fast, easy installation in all strut profiles
- Eliminates stocking of spring nuts for each depth of strut



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. |
|-----------------------------|-------------------|-------------------|-----|----------|
| MQM-F 1/4" | 1/4" | 0.077 | 50 | 377881 |
| MQM-F 1/4"-R (SS316) | 1/4" | 0.060 | 25 | 304018 |
| MQM-F 3/8" | 3/8" | 0.075 | 50 | 377882 |
| MQM-F 3/8"-F (HDG) | 3/8" | 0.080 | 25 | 304136 |
| MQM-F 3/8"-R (SS316) | 3/8" | 0.050 | 25 | 304019 |
| MQM-F 1/2" | 1/2" | 0.073 | 50 | 377883 |
| MQM-F 1/2"-F (HDG) | 1/2" | 0.080 | 25 | 304137 |
| MQM-F 1/2"-R (SS316) | 1/2" | 0.050 | 25 | 304020 |

Technical Data

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

¹ Based on a safety factor of 2.2 when used with 12 gauge serrated strut profile.

² Contact Hilti for loading data when using Hilti MQM-F fasteners in non-serrated strut profiles.

