

The Universal Girder Tiedown, UGTQ, is a high capacity tiedown designed to resist uplift loads on multi-ply roof trusses. The UGTQ installs with MiTek's WS structural wood screws and is available in left and right models for installation near the end of girders.

Features:

- UGTQs may be installed as a single connector or in pairs
- May be installed elevated from top plate
- Can be installed on trusses, rafters or beam with slope up to 8/12
- May be used with holdown device, bearing plate or embedded/epoxy rod

Materials: 10 gauge

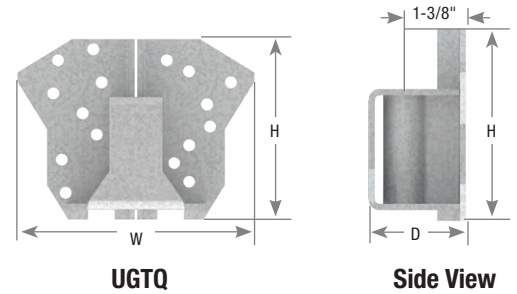
Finish: G90 galvanizing

Patents: U.S. Patent No. 11,821,199

Codes: FL

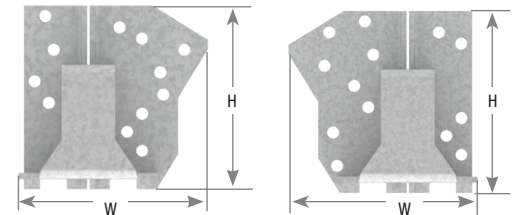
Installation:

- Use all specified fasteners.
- MiTek's WS3 structural wood screws, 1/4" dia. x 3" long, are supplied with UGTQ tiedowns.
- Install UGTQ on minimum 2-ply truss/rafter (or minimum 3" thickness wood).
- Left and right connectors shall be installed as shown.
- UGTQL/R shall be installed a minimum 1/2" from the end of the supported member.



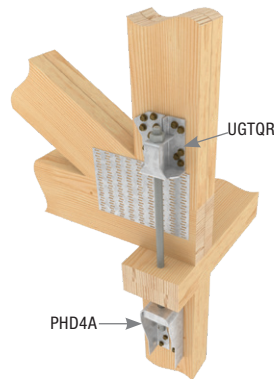
UGTQ

Side View

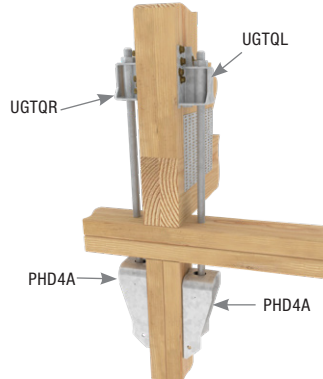


UGTQL

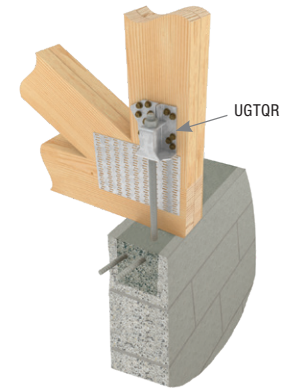
UGTQR



Typical UGTQR single installation with PHD4A



Typical UGTQL/R back-to-back installation with PHD4A



Typical UGTQR masonry installation (right shown)

| MiTek Stock No. | Ref. No. | Steel Gauge | Dimensions (in) | | | Installation Type | Min. No. of Plies ⁴ | Qty of UGTQs | | Fastener Schedule | | | | DF/SP Allowable Loads (Lbs) ^{1,2,5} | Ctn Qty |
|-----------------|----------|-------------|-----------------|-------|-------|-------------------|--------------------------------|--------------|----------|-------------------|------|---------------------------|-------------------|--|---------|
| | | | W | H | D | | | Qty | Type | Connecting Rod | | Truss/Rafter ⁴ | | | |
| | | | | | | | | | | Qty | Type | Qty | Type ³ | | |
| UGTQ | VGT | 10 | 5-9/16 | 4-1/4 | 2-1/8 | 2 | 1 | 1 | 5/8" Rod | 16 | WS3 | 5175 | 6 | | |
| | | | | | | | 2 | 2 | | 32 | | 9690 | | | |
| UGTQL | VGTL | 10 | 4-1/4 | 4-1/4 | 2-1/8 | 2 | 1 | 1 | 5/8" Rod | 12 | WS3 | 3070 | | | |
| UGTQR | VGTR | 10 | 4-1/4 | 4-1/4 | 2-1/8 | 2 | 1 | 1 | 5/8" Rod | 13 | WS3 | 3070 | | | |
| UGTQL/R | VGTL/R | 10 | 4-1/4 | 4-1/4 | 2-1/8 | 2 | 2 | 2 | 5/8" Rod | 25 | WS3 | 7175 | | | |
| | | | | | | | | | | | | 7175 | | | |

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) Designer shall be responsible for design of masonry structure, including any required reinforcement.

3) MiTek's WS3 structural wood screws are 1/4" dia. x 3" long and are included with UGTQ connectors.

4) Truss/rafter plies shall be fastened together to act as a single unit.

5) Anchorage into concrete/masonry must be designed by a designer.