

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 fastened on one side for single connector installations or opposite sides for two connector installations. The UGTQ 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

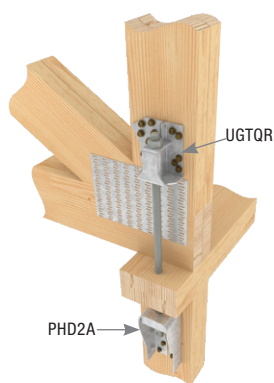
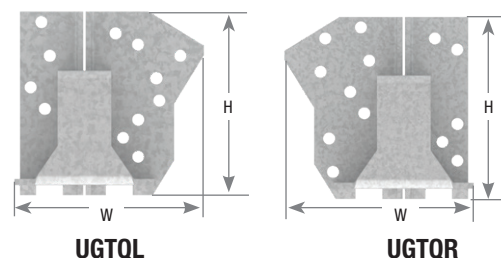
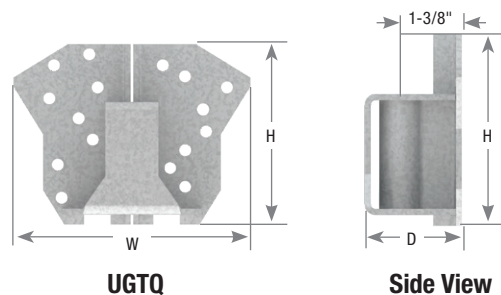
**Finish:** G90 galvanizing

**Patents:** Pending

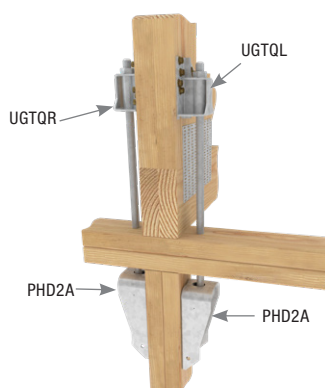
**Codes:** FL

### Installation:

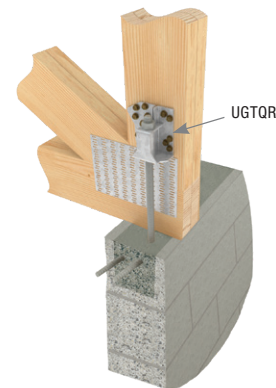
- Use all specified fasteners.
- MiTek's WS3 structural wood screws, 1/4" dia. x 3" long, are supplied with UGTQ tiedowns.
- Left and right connectors shall be installed as shown.
- UGTQL/R shall be installed a minimum 1/2" from the end of the supported member.



**Typical UGTQ single installation with PHD2A**



**Typical UGTQL/R back-to-back installation with PHD2A**



**Typical UGTQR masonry installation (right shown)**

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Installation Type	Min. No. of Plies <sup>5</sup>	Qty of UGTQs		Fastener Schedule				DF/SP Allowable Loads (Lbs) <sup>1,2,3,6</sup>	Ctn Qty	
			W	H	D			Qty	Type	Connecting Rod		Truss/Rafter <sup>5</sup>				Uplift 160%
										Qty	Type	Qty	Type <sup>4</sup>			
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	6			
							2	2		25		7175				
UGTQR	VGTR	10	4-1/4	4-1/4	2-1/8	2	1	1	5/8" Rod	13	WS3	3070	6			
							2	2		25		7175				

1) Allowable loads are for one UGTQ or UGTQL/R installed on one side of a 2-ply minimum truss/rafter (Qty of UGTQs listed as 1) or one UGTQ or UGTQL/R installed on each side of a 2-ply minimum truss/rafter (Qty of UGTQs listed as 2).

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

3) Designer must specify the connection from the connecting rod to the supporting structure.

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

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

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