RFUS Uplift Girder Ties

The RFUS is a multi-purpose engineered solution for attaching trusses to concrete or masonry walls. Screw Anchor fastening eliminates mislocated cast-in-place anchor bolts and allows retrofit installations.

**Materials:** 10 gauge

**Finish:** Primer

**Codes:** FL

**Installation:**
- **Always install in pairs.**
- Use all specified fasteners. See Product Notes, page 18.
- Designer shall be responsible for design of masonry structure, including any required reinforcement.
- MiTek’s WS structural wood screws are included with RFUS connector.
- For 1-ply applications, add filler block. Refer to page 287 for wood filler block installation.
- **Moisture barrier may be required.**

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<table>
<thead>
<tr>
<th>Mitex USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>No. of Piles</th>
<th>Rafter/Truss Qty</th>
<th>Concrete/Masonry Qty</th>
<th>Screw Anchor</th>
<th>DF/SP Allowable Loads Lbs.</th>
<th>Code Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFUS FGTR</td>
<td>10</td>
<td>2 Ply</td>
<td></td>
<td>12</td>
<td>4</td>
<td>3/4&quot; x 6&quot;</td>
<td>160%¹</td>
<td>FL</td>
</tr>
</tbody>
</table>

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

²) Use DeWalt 3/4" x 6" Screw-Bolt™; or equal, installed in accordance with manufacturer’s specifications.

³) DeWalt 3/4" x 6" Screw-Bolt™ are not supplied with RFUS ties. See page 45 for anchor information.

4) Fasteners shall be installed to fully grouted and reinforced masonry units (CMU) type S or better mortar or reinforced concrete (f’c = 2,500 psi at 28 days).

5) Fastener schedule is for two straps used together. The straps shall be installed in pairs.

6) Truss plies shall be fastened together to act as a single unit.

7) MiTek’s WS3 structural wood screws are 1/4” dia. x 3” long and are supplied with RFUS connector.
UGTS – 2-screw anchor shorter girder ties when space is limited
USC – 4-screw anchor high load design

Materials: 10 gauge
Finish: Primer
Codes: FL

Installation:
• Use all specified fasteners. See Product Notes, page 18.
• Place connector over truss or rafter and fasten with specified fasteners.
• Designer shall be responsible for design of masonry structure, including any required reinforcement.
• For 2-ply applications, add filler block. Refer to page 287 for wood filler block installation.
• Works with heel heights up to 14”.
• Moisture barrier may be required.

### Fastener Schedule

<table>
<thead>
<tr>
<th>Description</th>
<th>Mitex USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Dimensions (in)</th>
<th>Fastener Schedule</th>
<th>Uplift (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Ply Flat</td>
<td>UGTS3F</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC3F</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>4-Ply Flat</td>
<td>UGTS4F</td>
<td>--</td>
<td>10</td>
<td>6-1/2 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC4F</td>
<td>--</td>
<td>10</td>
<td>6-1/2 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>4/12 pitch</td>
<td>UGTS43</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC43</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>5/12 pitch</td>
<td>UGTS53</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC53</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>6/12 pitch</td>
<td>UGTS63</td>
<td>--</td>
<td>10</td>
<td>6-1/2 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC63</td>
<td>--</td>
<td>10</td>
<td>6-1/2 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>7/12 pitch</td>
<td>UGTS73</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td></td>
<td>USC73</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 30-1/2 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
<tr>
<td>8/12 pitch</td>
<td>UGTS83</td>
<td>--</td>
<td>10</td>
<td>4-3/4 W 23 H 8 16d Qty 2</td>
<td>3/4” x 6”</td>
<td>7713</td>
</tr>
</tbody>
</table>

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Use DeWalt 3/4” dia. x 6” Screw-Bolt™+ or equal, installed in accordance with manufacturer’s specifications.
3) DeWalt 3/4” dia. x 6” Screw-Bolt™+ are not supplied with ties. See page 45 for anchor information.
4) Fasteners shall be installed to fully grouted and reinforced masonry units (CMU) type S or better mortar or reinforced concrete (f’c = 2,500 psi at 28 days).
5) NAILS: 16d nails are 0.162” dia. x 3-1/2” long.
The LUGT series is an adaptable tiedown for girder trusses and offers several installation options to accommodate different framing conditions. It is an ideal retrofit solution to reinforce truss connections to transfer high wind loads to supporting walls and can be used on either concrete or CMU block walls. Sizes available for 2-ply, 3-ply and 4-ply trusses.

**Materials:** See chart

**Finish:** G90 galvanizing

**Installation:**
- Use all specified fasteners. See Product Notes, page 18.
- All large fastener holes must be filled with specified fasteners to achieve loads listed in the chart. Smaller fastener holes are for girder-to-stud applications (reference page 257) and do not need to be filled when used for concrete/masonry installations.
- MiTek’s WS structural wood screws are included with LUGT3 and LUGT4.
- For concrete and masonry applications, a moisture barrier may be required, check local building code.

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**Concrete/Masonry Installation**

<table>
<thead>
<tr>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>No. of Piles</th>
<th>Fastener Schedule</th>
<th>DF/SP 160%</th>
<th>S-P-F 160%</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUGT2</td>
<td>LGT2</td>
<td>14</td>
<td>2 16 10d</td>
<td>1/4&quot; x 3&quot;</td>
<td>1655 160%</td>
<td>1015 160%</td>
</tr>
<tr>
<td>LUGT3</td>
<td>LGT3-SDS2.5</td>
<td>12</td>
<td>3 12 WS25</td>
<td>3/8&quot; x 5&quot;</td>
<td>3380 160%</td>
<td>-- 160%</td>
</tr>
<tr>
<td>LUGT4</td>
<td>LGT4-SDS3</td>
<td>12 4 16</td>
<td>WS3</td>
<td>3/8&quot; x 5&quot;</td>
<td>3380 160%</td>
<td>-- 160%</td>
</tr>
</tbody>
</table>

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1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Additional anchorage products to be designed by others.
3) Use DeWalt Screw-Bolt™+ 1/4" dia. x 3" or 3/8" dia. x 5" screw anchors; or equal, installed in accordance with manufacturer’s specification.
4) Fasteners must be installed in fully grouted and reinforced concrete masonry (f’m = 1,500 psi) or reinforced concrete (f’c = 2,500 psi).
5) MiTek’s WS25 structural wood screws are 1/4" dia. x 2-1/2" long (supplied with LUGT3) and WS3 structural wood screws are 1/4" dia. x 3" long (supplied with LUGT4).
6) **NAILS:** 10d nails are 0.148" dia. x 3" long. New products or updated product information are designated in **blue font.**
MUGT15 Girder Tiedown

Designed for higher uplift resistance for concrete block construction. The MUGT15 can accommodate variable truss bearing depths.

**Materials:** 12 gauge  
**Finish:** G90 galvanizing  
**Codes:** IBC, FL, LA

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- When straps are wrapped over the truss, install nails in backside of truss. See MUGT15 installation diagram for minimum nail requirements into the face and on top of the truss.  
- If installed straight-up with no wrap over the top of the truss, fill all nail holes.  
- Moisture barrier may be required.

### Fastener Schedule

<table>
<thead>
<tr>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Mounting Condition</th>
<th>Rafter/Truss Bolt Type</th>
<th>DF/SP Allowable Loads (Lbs.)</th>
<th>S-P-F Allowable Loads (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGT15</td>
<td>MGT</td>
<td>12</td>
<td>Face-Max</td>
<td>3/4</td>
<td>28</td>
<td>4240</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Top-Min</td>
<td>3/4</td>
<td>4</td>
<td>3945</td>
</tr>
</tbody>
</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) MiTek CIA-GEL 7000-C may be used to anchor 5/8" threaded rod when installed into an 8" wide reinforced masonry or concrete wall. With 12" minimum embedment, the MUGT15 will achieve loads listed in table. Reinforcement is to be specified by the certified designer.  
3) Additional anchorage products to be designed by others.  
4) Designer must specify anchor bolt type, length, and embedment.  
5) **NAILS:** 10d nails are 0.148" dia. x 3" long.  

New products or updated product information are designated in **blue font**.

**HUGT Girder Tiedowns**

The HUGT series high uplift girder tiedowns can be installed on beams and top chords of trusses with slopes from 0˚ to 34˚.

**Materials:** 7 gauge  
**Finish:** Primer  
**Codes:** FL

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- Install the HUGT over the beam or truss (see “W” dimension on chart for appropriate width).  
- Attached members shall be designed to resist applied loads.  
- Moisture barrier may be required.

<table>
<thead>
<tr>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>O.C. Dim. Between Anchors (in)</th>
<th>Fastener Schedule Type</th>
<th>DF/SP Allowable Loads (Lbs.)</th>
<th>S-P-F Allowable Loads (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUGT2</td>
<td>HGT-2</td>
<td>7</td>
<td>3-5/16</td>
<td>Threaded Rod</td>
<td>9575</td>
<td>6925</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5-3/4</td>
<td>Girder</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>3/4</td>
<td>8</td>
<td>10d</td>
</tr>
<tr>
<td>HUGT3</td>
<td>HGT-3</td>
<td>7</td>
<td>4-15/16</td>
<td>Threaded Rod</td>
<td>9860</td>
<td>7805</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7-3/8</td>
<td>Girder</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>3/4</td>
<td>8</td>
<td>10d</td>
</tr>
<tr>
<td>HUGT4</td>
<td>HGT-4</td>
<td>7</td>
<td>6-7/8</td>
<td>Threaded Rod</td>
<td>9860</td>
<td>7790</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Girder</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td>2</td>
<td>3/4</td>
<td>8</td>
<td>10d</td>
</tr>
</tbody>
</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) Listed loads apply where roof pitch is between 3:12 and 8:12.  
3) Additional anchorage products to be designed by others.  
4) Designer must specify anchor bolt type, length, and embedment.  
5) **NAILS:** 10d nails are 0.148" dia. x 3" long.  

New products or updated product information are designated in **blue font**.
The LUGT series is an adaptable tiedown for girder trusses and offers several installation options to accommodate different framing conditions. It is an ideal retrofit solution to reinforce truss connections to transfer high wind loads to supporting walls. Sizes available for 1-ply, 2-ply, 3-ply and 4-ply trusses.

**Materials:** See chart  
**Finish:** G90 galvanizing  
**Codes:** See chart for code references

### Installation:
- Use all specified fasteners. See Product Notes, page 18.  
- All fastener holes must be filled with specified fasteners to achieve loads listed in the chart. Large fastener holes are for concrete/masonry installations (reference page 253) and do not need to be filled when used for girder-to-stud applications.  
- MiTek’s WS structural wood screws are included with LUGT3 and LUGT4.

### Typical Installation

- **Typical LUGT1 installation**  
- **Typical LUGT2 installation**  
- **Typical LUGT3 installation** (LUGT4 similar)  
- **Typical LUGT4 installation**

### Fastener Schedule

<table>
<thead>
<tr>
<th>No. of Piles</th>
<th>MiTek USP Stock No.</th>
<th>Ref. No.</th>
<th>Steel Gauge</th>
<th>Qty</th>
<th>Type</th>
<th>Qty</th>
<th>Type</th>
<th>Qty</th>
<th>Type</th>
<th>DF/SP Allowable Loads (Lbs.)¹</th>
<th>S-P-F Allowable Loads (Lbs.)¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LUGT1</td>
<td>H10S</td>
<td>18</td>
<td>8</td>
<td>8d x 1-1/2</td>
<td>8</td>
<td>8d x 1-1/2</td>
<td>7</td>
<td>8d x 1-1/2</td>
<td>1045</td>
<td>600</td>
</tr>
<tr>
<td>2</td>
<td>LUGT2</td>
<td>LGT2</td>
<td>14</td>
<td>16</td>
<td>10d</td>
<td>2</td>
<td>10d</td>
<td>14</td>
<td>10d</td>
<td>2020</td>
<td>880</td>
</tr>
<tr>
<td></td>
<td>LUGTC2</td>
<td>--</td>
<td>14</td>
<td>16</td>
<td>10d</td>
<td>2</td>
<td>10d</td>
<td>14</td>
<td>10d</td>
<td>2020</td>
<td>455</td>
</tr>
<tr>
<td>3</td>
<td>LUGT3</td>
<td>LGT3-SDS2.5</td>
<td>12</td>
<td>12</td>
<td>WS2S</td>
<td>4</td>
<td>16d Sinker</td>
<td>24</td>
<td>16d Sinker</td>
<td>3500</td>
<td>1980</td>
</tr>
<tr>
<td>4</td>
<td>LUGT4</td>
<td>LGT4-SDS3</td>
<td>12</td>
<td>16</td>
<td>WS3</td>
<td>5</td>
<td>16d Sinker</td>
<td>32</td>
<td>16d Sinker</td>
<td>4725</td>
<td>4160</td>
</tr>
</tbody>
</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) Additional anchorage products to be designed by others.  
3) For proper installation, the number of studs must be equal-to or greater-than the number of roof truss plies.  
4) The LUGT1 can be installed with the stud offset from the rafter a maximum of 1” (center-to-center) for a reduced allowable uplift load of 955-lb (DF/SP) and 840-lb (S-P-F).  
5) Fasteners must be installed in fully grouted and reinforced concrete masonry (f’y = 1,500 psi) or reinforced concrete (f’c = 2,500 psi).  
6) Use Dewalt Screw-Bolt™+ 1/4” dia. x 3” or 3/8” dia. x 5” screw anchors; or equal, installed in accordance with manufacturer’s specification.  
7) MiTek’s WS25 structural wood screws are 1/4” dia. x 2-1/2” long (supplied with LUGT3) and WS3 structural wood screws are 1/4” dia. x 3” long (supplied with LUGT4).  
8) **NAILS:** 8d x 1-1/2 are 0.131” dia. x 1-1/2” long, 10d nails are 0.148” dia. x 3” long, 16d Sinker are 0.148” dia. x 3-1/4” long.

New products or updated product information are designated in blue font.
**Truss & Rafter**

**MUGT Girder Tiedown**

Designed for higher uplift resistance for wood frame construction. The MUGT15 can accommodate variable truss bearing depths.

**Materials:** 12 gauge  
**Finish:** G90 galvanizing  
**Codes:** IBC, FL, LA

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- When straps are wrapped over the truss, install nails in backside of truss. See MUGT15 installation diagram for minimum nail requirements into the face and on top of the truss.  
- If installed straight-up with no wrap over the top of the truss, fill all nail holes.  
- Moisture barrier may be required.

<table>
<thead>
<tr>
<th>MUGT15 Ref. No.</th>
<th>Steel Gauge</th>
<th>MNTng Cond</th>
<th>Fastener Schedule²</th>
<th>DF/SP Allowable Loads (lbs.)</th>
<th>S-P-F Allowable Loads (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGT15</td>
<td>MGT</td>
<td>12</td>
<td>Face-Max</td>
<td>Qty Dia (in) Top Qty Face Qty</td>
<td>Uplift 160% Uplift 160%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 5/8</td>
<td>26 10d</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Top-Min</td>
<td>4 6 12 10d</td>
<td></td>
</tr>
</tbody>
</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) Additional anchorage products to be designed by others.  
3) Designer must specify anchor bolt type, length, and holdown device.  
4) **NAILS:** 10d nails are 0.148" dia. x 3" long. New products or updated product information are designated in blue font.

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**HUGT Girder Tiedowns**

The HUGT series high uplift girder tiedowns can be installed on beams and top chords of trusses with slopes from 0° to 34°.

**Materials:** 7 gauge  
**Finish:** Primer  
**Codes:** FL

**Installation:**  
- Use all specified fasteners. See Product Notes, page 18.  
- Install the HUGT over the beam or truss (see “W” dimension on chart for appropriate width).  
- Install (4) LBP58-TZ washers for (2) 5/8” tension rod/bolts.  
- Attached members shall be designed to resist applied loads.  
- Moisture barrier may be required.

<table>
<thead>
<tr>
<th>HUGT Ref. No.</th>
<th>Steel Gauge</th>
<th>W (in)</th>
<th>O.C. Dim Between Anchors (in)</th>
<th>Anchor Washers</th>
<th>Threaded Rod</th>
<th>Girder</th>
<th>DF/SP Allowable Loads (lbs.)</th>
<th>S-P-F Allowable Loads (lbs.)</th>
<th>Uplift 160% Uplift 160%</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUGT2</td>
<td>HGT-2</td>
<td>7</td>
<td>3-5/16 5-3/4 4</td>
<td>LBP58-TZ 2 5/8 8 10d</td>
<td></td>
<td></td>
<td>8975</td>
<td>6925</td>
<td>8975</td>
</tr>
<tr>
<td>HUGT3</td>
<td>HGT-3</td>
<td>7</td>
<td>4-15/16 7-3/8 4</td>
<td>LBP58-TZ 2 5/8 8 10d</td>
<td></td>
<td></td>
<td>9860</td>
<td>7805</td>
<td>9860</td>
</tr>
<tr>
<td>HUGT4</td>
<td>HGT-4</td>
<td>7</td>
<td>6-7/8 9</td>
<td>LBP58-TZ 2 5/8 8 10d</td>
<td></td>
<td></td>
<td>9860</td>
<td>7790</td>
<td>9860</td>
</tr>
</tbody>
</table>

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.  
2) Listed loads apply where roof pitch is between 3:12 and 8:12.  
3) Additional anchorage products to be designed by others.  
4) Designer must specify anchor bolt type, length, and holdown device.  
5) **NAILS:** 10d nails are 0.148” dia. x 3” long. New products or updated product information are designated in blue font.
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 and Benefits:**
- UGTQs may be installed as a single connector or in pairs
- May be installed elevated from top plate
- Can be installed on trusses and beams with top chord slopes up to 8/12
- May be used with holdown device, bearing plate or embedded/epoxy rod

**Materials:** 10 gauge  
**Finish:** G90 galvanizing

**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 PHD5A**

**Specifications:**

<table>
<thead>
<tr>
<th>UGTQ</th>
<th>Steel Gauge</th>
<th>Dimensions (in)</th>
<th>Min. No. of Plies</th>
<th>Qty of UGTQs</th>
<th>Connecting Rod</th>
<th>Truss/Rafter</th>
<th>Allowable Loads (Lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGTQ</td>
<td>10</td>
<td>W: 5-9/16, H: 4-1/4, D: 2-1/8</td>
<td>2</td>
<td>1</td>
<td>5/8&quot; Rod</td>
<td>WS3</td>
<td>5175</td>
</tr>
<tr>
<td>UGTQL</td>
<td>10</td>
<td>W: 4-1/4, H: 4-1/4, D: 2-1/8</td>
<td>2</td>
<td>1</td>
<td>5/8&quot; Rod</td>
<td>WS3</td>
<td>3070</td>
</tr>
<tr>
<td>UGTQR</td>
<td>10</td>
<td>W: 4-1/4, H: 4-1/4, D: 2-1/8</td>
<td>2</td>
<td>1</td>
<td>5/8&quot; Rod</td>
<td>WS3</td>
<td>3070</td>
</tr>
</tbody>
</table>

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.  
New products or updated product information are designated in **blue font.**