

GYPSUM, TECTUM® & LIGHTWEIGHT



ROOFING PRODUCTS

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PRODUCT DESCRIPTION

The OMG Toggle Bolt is designed to attach insulation to gypsum, all cementitious wood fiber decks (Permadeck, Insulrock, Tectum®, etc.) and lightweight concrete decks. This fastener can also be used for applications where conditions require a positive locking fastener.

The OMG Toggle Bolt can be ordered assembled with 2" or 3" steel or plastic plate, and wing.

The OMG Toggle Bolt is Factory Mutual and Dade County approved.

APPLICATION

A 3/4" pilot hole must be drilled entirely through the deck. Using a screwshooter, drive the fastener until the wing is drawn up against the underside of the deck and the attachment is tight.

The OMG Toggle Bolt must be long enough to allow a minimum of 1 1/2" clearance on the underside of the deck in order for the wing to open.

Note: Care must be taken not to overdrive the fastener, causing the wing to damage the underside of the deck. Prior to job bid, contact OMG to perform a pullout test to determine the pullout values.

PHYSICAL DATA

| | Cat. No. | Length | Thread Length | Packaging | Weight |
|--|----------|--------|---------------|-----------|--------|
| <p>The data below is constant for each OMG Toggle Bolt.</p> <p>Thread Diameter: .250</p> <p>Head Height: .125</p> <p>Head Diameter: .435</p> <p>Head Style: #3 Phillips Truss Head*</p> <p>Coating: CR-10</p> <p>Toggle Height: (Closed) 1.125</p> <p>Toggle Spread: 2.25</p> <p>*#3 Phillips bit included in each carton.</p> <p>**Indicate to your OMG Sales Rep plate material and diameter.</p> | CRT04 | 4" | 3" | 500 | 23 lb |
| | CRT06 | 6" | 4" | 500 | 34 lb |
| | CRT07 | 7" | 4" | 500 | 39 lb |
| | CRT08 | 8" | 4" | 500 | 43 lb |
| | CRT10 | 10" | 4" | 250 | 27 lb |
| | CRT12 | 12" | 4" | 250 | 34 lb |
| | CRT14 | 14" | 4" | 250 | 37 lb |
| | CRT16 | 16" | 4" | 250 | 42 lb |
| ASSEMBLED TOGGLE BOLTS** | | | | | |
| | RST04** | 4" | 3" | 250 | 27 lb |
| | RST06** | 6" | 4" | 250 | 32 lb |
| | RST07** | 7" | 4" | 250 | 34 lb |
| | RST08** | 8" | 4" | 250 | 37 lb |
| | RST10** | 10" | 4" | 250 | 42 lb |
| | RST12** | 12" | 4" | 150 | 29 lb |
| | RST14** | 14" | 4" | 150 | 32 lb |
| | RST16** | 16" | 4" | 150 | 34 lb |

TOGGLE BOLT STANDARD OR ASSEMBLED



Fast Facts

The OMG Toggle Bolt is designed to attach insulation to gypsum, all cementitious wood fiber, Tectum® and lightweight concrete decks or decks where conditions require a positive locking fastener.

FEATURES & BENEFITS

- F.M. and Dade County approved.
- Assembled Toggle Bolt saves time and money on job.
- The OMG Toggle Bolt is a positive locking fastener.

COATING

OMG CR-10 corrosion resistant coating exhibits less than 15% red rust after 30 Kesternich cycles. CR-10 coating exceeds F.M. Approval Standard 4470.

PLATES & ACCESSORIES

Use a 2" or 3" steel or plastic plate, depending upon the application. See Plates section.

Use a 3/4" drill bit. See Accessories section.

TOGGLE BOLT

STANDARD OR ASSEMBLED

SPECIFICATION

The fastener will be an OMG Toggle Bolt with a major thread diameter of .250 and a head height of .125. The OMG Toggle Bolt will be used with a Factory Mutual approved, OMG round pressure plate or pressure bar. The fastener must be Factory Mutual approved and made in America.

COATING REQUIREMENT

The fastener will be coated with the OMG CR-10 corrosion resistant coating. When subjected to 30 Kesternich cycles (DIN 50018), the fastener must show less than 15% red rust and surpass Factory Mutual Approval Standard 4470.

APPLICATION

Predrill a 3/4" hole using a carbide tip SDS or straight shank bit. Using a screwshooter, drive the fastener until the wing is drawn up against the underside of the deck and the attachment is tight.

The OMG Toggle Bolt must be long enough to allow a minimum of 1 1/2" clearance on the underside of the deck in order for the wing to open.

Note: Care must be taken not to overdrive the fastener, causing the wing to damage the underside of the deck. Prior to job bid, contact OMG to perform a pullout test to determine pullout values.

PHYSICAL DATA

Thread Diameter: .250 Head Style: #3 Phillips Truss Head Head Height: .125
Head Diameter: .435 Packaging: Standard - 500/Carton Assembled - 250/Carton

TOGGLE BOLT LENGTH SELECTION PROCEDURE

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add thickness of deck.
4. Add 1 1/2" minimum deck clearance.
5. If odd size requirement, always size up in length, not down. See example.

Example

| | |
|----------------------|---------------|
| Existing Roofing: | <u>1 3/4"</u> |
| New Insulation: | <u>1/2"</u> |
| Deck Thickness: | <u>3"</u> |
| Min. Deck Clearance: | <u>1 1/2"</u> |
| Total Fastening | <u>6 3/4"</u> |

Range:

The proper Toggle Bolt for this example is 7".

| | |
|----------------------|---------------|
| Existing Roofing: | _____ |
| New Insulation: | _____ |
| Deck Thickness: | _____ |
| Min. Deck Clearance: | <u>1 1/2"</u> |
| Total Fastening | _____ |

Range:

Use this format to calculate your correct fastener size.



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