

# Tremco® Fasteners & Discs

## Premium quality fasteners & insulation discs for securing insulation & structural components to wood & steel roof decks

**Composition:** Tremco Fasteners are manufactured from heat treated carbon steel which has been fully protected with a corrosion resistant coating. The head style is a #3 Phillips trusshead and the tip consists of an extra sharp self piercing drill point. Tremco Discs are manufactured from either Polypropylene or Galvalume® coated steel.

**Basic Use:** Tremco Fasteners and Discs are designed to secure insulation to wood and steel roof decks. In addition, Tremco Fasteners can be used to secure other structural components of the roofing assembly, such as wood blocking, metal flanges, etc. When used in combination with the 2" (51 mm) disc and installed according to specification, Tremco Fasteners can be used to secure mechanically attached single ply roof membranes.

### Packaging:

Fasteners: Available in cases with 1,000 fasteners/case. Except for the Heavy Duty #1410 fasteners, which are packaged 500/case for fasteners of 5" (127 mm) length and greater. Each case contains a #3 Phillips drive bit.

Discs: Available in cases, with 1000 discs/case.

### Color/Finish:

Fasteners: Black

Polymer Discs: Gray

Steel Discs: Galvalume® finish

### References:

Factory Mutual Loss Prevention Data Sheets

- I-28 Wind Loads to Roof Systems and Roof Deck Securement.
- I-29 Above Deck Roof Components

**Pullout Tests:** If required, the pullout resistance strength of a fastener can be measured in the field. Contact your Tremco representative for further information.

**Precautions:** Working on any roof can be dangerous. Every necessary precaution and safety guideline should be observed in accordance with proper roofing trade practices.

**Application:** Tremco Fasteners and Discs are designed to be used in combination with each other. Do not mix fasteners and discs of different brands, unless the combination is Factory Mutual Approved.

When installing fastener/disc assemblies, do not overdrive the fastener. Overdriving may lead to fracture of the insulation and loss of attachment. However, the fastener/disc assembly must be driven tight enough so that the disc will not turn.

Fasteners must be driven perpendicular to the deck.

Product Advantages	
Features	Benefits
Corrosion Resistant Coating	<ul style="list-style-type: none"> <li>• Resists long term deterioration of fastener/disc</li> <li>• Long lasting performance</li> </ul>
Extra Sharp Drill Point	<ul style="list-style-type: none"> <li>• Quick installation into either wood or steel decking</li> </ul>
Deep Thread	<ul style="list-style-type: none"> <li>• Offers higher pullout strength</li> </ul>
Rounded fastener head/ Recessed fastener hole on disc	<ul style="list-style-type: none"> <li>• Minimizes rough edges which may cut/abrade underside of roof membrane</li> </ul>
Round Disc	<ul style="list-style-type: none"> <li>• Distributes wind uplift force across a wide area of insulation</li> </ul>
Factory Mutual Approved	<ul style="list-style-type: none"> <li>• Wind uplift protection</li> </ul>

# TREMCO

Roofing & Weatherproofing Peace of Mind™

**Wood Roof Decks:** Fasteners must penetrate a minimum 1" (25.4 mm) into the wood deck. For a 3/4" (19 mm) plywood deck, approximately 1/4" (6 mm) should extend through the underside of the deck.

**Steel Roof Decks:** Follow the recommendations of Factory Mutual Loss Prevention Data Sheet I-29 Above Deck Roof Components.

Fasteners must engage the top flange of the steel deck, as described by Factory Mutual (see references).

Use the shortest screw which is at least 3/4" (19 mm) longer than the assembly being secured.

**Availability and Cost:** Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

**Maintenance:** Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**Guarantee/Warranty:** Tremco Inc. warrants Fasteners and Discs to be free of defects and to meet published physical properties when properly tested. Under this warranty, any product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Physical Performance Characteristics

### Tremco Roofing Fasteners - Typical Values

	Standard #1211	Heavy Duty #1410
Head Diameter	0.435" (11 mm)	0.435" (11 mm)
Head Style	#3 Phillips Truss Head	#3 Phillips Truss Head
Thread Diameter	0.215" (5.5 mm)	0.245" (6.2 mm)
Shank Diameter	0.170" (4.3 mm)	0.190" (4.8 mm)
Threads/inch	12.5	10
Corrosive Resistance	<15% red rust after 25 Kesternich cycles (DIN 50018)	
Pullout Strength		
•3/4 in. plywood	525 lbf (2335N)	575 lbf (2558N)
•22 gauge steel	450 lbf (2001N)	475 lbf (2113N)

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

### Statement of Policy and

**Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

**TREMCO**

3735 Green Road  
Beachwood, OH 44122  
216-292-5000

220 Wicksteed Ave  
Toronto, ONT M4H 1G7  
416-421-3300