

TRI-BUILT® Standard Drill Point Fastener

FOR STEEL & WOOD ROOF DECKS

PRODUCT DESCRIPTION

The TRI-BUILT® Standard Drill Point Roofing Fastener (#12) is designed to secure insulation to standard steel (18 ga.–24 ga.) and wood. It is available in lengths from 1½-in. to 8-in. The TRI-BUILT® Standard Drill Point Roofing Fastener is Factory Mutual and Miami-Dade County approved.

FEATURES & BENEFITS

- Heavier shank and thread diameters than most “standard” roofing fasteners.
- Deep buttress thread for high pullout resistance.
- Extra sharp drill point for quick installation in new or reroof applications.
- Available with #3 Phillips truss head.

COATING

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

APPLICATION

The TRI-BUILT® Standard Drill Point Roofing Fastener must penetrate steel decks a minimum of ¾-in., wood plank decks a minimum of 1-in. and ½-in. through the underside for plywood decks. Using a screw gun,* drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate does not turn.

For steel decks, Factory Mutual requires that the fastener penetrate the deck at the top flute.

To speed installation, this fastener is also available pre-assembled.

*For best installation result, use a variable speed 0–2500 RPM screw gun.

PLATES & ACCESSORIES

Use appropriate steel or plastic plates, depending upon the application.



APPROVALS



PHYSICAL DATA

PROPERTY	RESULTS
Head	#3 Phillips Truss Head**, 0.435" Diameter
Thread	0.220" Diameter
Shank	0.160" Diameter
Fastener Coating	CR-10

**#3 Phillips bit included in each carton.

ORDERING INFORMATION

CAT. NO.	LENGTH	THREAD	PKG	WEIGHT
33750500	1½"	Full	1000	12 lbs.
33750505	2¼"	Full	1000	16 lbs.
33750510	3"	Full	1000	24 lbs.
33750515	4"	3"	1000	28 lbs.
33750520	5"	3"	1000	35 lbs.
33750525	6"	4"	1000	40 lbs.
33750530	7"	4"	1000	48 lbs.
33750535	8"	4"	1000	50 lbs.



SPECIFICATION

The fastener will be a TRI-BUILT® Standard Drill Point Roofing Fastener (#12) with a thread diameter of .220. The fastener must have 12.5 buttress threads per inch and a drill point. The TRI-BUILT® Standard Drill Point Roofing Fastener will be used with a Factory Mutual approved, TRI-BUILT® 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 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

The TRI-BUILT® Standard Drill Point Roofing Fastener must penetrate steel decks a minimum of 3/4-in. Using a screw gun,* drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate does not turn. Factory Mutual requires that the fastener penetrate the steel deck at the top flute.

*For best installation result, use a variable speed 0–2500 RPM screw gun.

PHYSICAL DATA

PROPERTY	RESULTS
Head	#3 Phillips Truss Head, 0.435" Diameter
Thread	0.220" Diameter
Shank	0.169" Diameter
Fastener Coating	CR-10