

Standard RoofGrip® Drill Point Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The Flex Standard RoofGrip Drill Point 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 Flex Standard RoofGrip Drill Point 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 spade point for quick installation in new or reroof applications.
- Available with #3 Phillips truss head.

COATING

CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

APPLICATION

For steel decks, ¾-in. (20mm) penetration is the minimum allowable. Factory Mutual requires that fasteners penetrate the top flute.

For OSB and plywood*, ¾-in. (20mm) penetration through the underside of the board is the minimum allowable. For wood deck (wood beams, wood plank, tongue & groove), 1-in. (25mm) penetration is the minimum allowable.

Using a screw gun, drive the fastener until a slight depression is seen in the insulation

and the plate. On rigid cover boards, care must be taken not to strip the deck.

The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Call OMG to schedule testing.

Note: Care must be taken not to overdrive the fastener. Fastener must be tight enough so that the plate doesn't turn.

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

To speed installation, this fastener can be used with the AccuTrac® System and is also available pre-assembled. See AccuTrac or ASAP®.

PLATES & ACCESSORIES

Use appropriate steel or plastic plates, depending upon the application. **See Plates section.**

APPROVALS



USE
WITH
S
W
DECK
TYPES

PHYSICAL DATA†

The data below is constant for each Flex Standard RoofGrip Drill Point Fastener.

HEAD	THREAD
#3 Phillips Truss Head**	.220" Diameter
	SHANK
.435" Diameter	.160" Diameter
	COATING
	CR-10

**#3 Phillips bit included in each carton.

ORDERING INFORMATION

CAT. NO.	LENGTH	THREAD	PKG	WEIGHT
RGDP158B	1½"	Full	1000	12 lbs.
RGDP214B	2¼"	Full	1000	16 lbs.
RGDP003B	3"	Full	1000	24 lbs.
RGDP004B	4"	3"	1000	28 lbs.
RGDP005B	5"	3"	1000	35 lbs.
RGDP006B	6"	4"	1000	40 lbs.
RGDP007B	7"	4"	1000	48 lbs.
RGDP008B	8"	4"	1000	50 lbs.

†All dimensions are nominal.

FlexTM
Thermoplastic Single Ply and Multi-Ply
Roofing & Waterproofing Systems

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KEY:

S Steel	SC Structural Concrete
W Wood	LC Lightweight Concrete
G Gypsum	LWIC Lightweight Insulating Concrete
P Purlins	CWF Cementitious Wood Fiber

Standard RoofGrip® Drill Point Fastener

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SPECIFICATION

The fastener will be a Flex Standard RoofGrip Drill Point Fastener (#12) with a thread diameter of .220. The fastener must have 12.5 buttress threads per inch. Also, the fastener must be heat-treated per specification OMG-1. The Flex Standard RoofGrip Drill Point Fastener will be used with a Factory Mutual approved, Flex round pressure plate or pressure bar. The fastener must be Factory Mutual approved.

COATING REQUIREMENT

The fastener will be coated with the CR-10 corrosion resistant coating which passes the corrosion requirements of FM Approval Standard 4470 and ETAG 006.

APPLICATION

The Flex Standard RoofGrip Drill Point Fastener must penetrate steel decks a minimum of 3/4-in. (20mm). Factory Mutual requires that fasteners penetrate the top flute.

For OSB and plywood*, 3/4-in. (20mm) penetration through the underside of the board is the minimum allowable. For wood deck (wood beams, wood plank, tongue & groove), 1-in. (25mm) penetration is the minimum allowable.

Using a screw gun, drive the fastener until a slight depression is seen in the insulation and the plate. On rigid cover boards, care must be taken not to strip the deck.

The strength of different roof decks can vary widely and can be adversely affected by moisture and other conditions. Therefore, it is recommended that a fastener pull test be conducted to help evaluate deck condition and fastener suitability. Call Flex to schedule testing.

Note: Care must be taken not to overdrive the fastener. Fastener must be tight enough so that the plate doesn't turn. For best results, use a variable speed 0–2500 RPM screw gun.

*FM does not approve OSB or plywood deck types.

STANDARD ROOFGrip DRILL POINT FASTENER LENGTH SELECTION PROCEDURE

1. If applicable, determine the thickness of the existing roofing material.
2. Add thickness of new insulation.
3. **For steel:** Add 3/4 to 1-inch fastener penetration depending on deck type (see Application Section for details).
4. If odd size requirement, always size up in length, not down. See example:

	Example:	Your Project:
Existing Roofing	1 3/4"	_____
New Insulation	1/2"	_____
Min. Embedment	3/4"	3/4"
Total Fastening	3"	_____
Correct Length	3"	_____

The proper #12 Standard RoofGrip Fastener for this steel deck example is 3-inches.

FlexTM
*Thermoplastic Single Ply and Multi-Ply
Roofing & Waterproofing Systems*

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