



Standard RoofGrip® Drill Point Fastener

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The OMG Standard RoofGrip Drill Point Fastener (#12) is designed to secure insulation to steel (18 Ga.–24 Ga. [1.25–0.65 mm]) and wood. It is available in lengths from 1½-in. to 8-in. (40 to 200 mm). The OMG 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 drill point for quick installation in new or reroof applications.
- Available with #3 Phillips truss head.

COATING

OMG CR-10 corrosion resistant coating passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

APPLICATION

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

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

PLATES & ACCESSORIES

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

APPROVALS



Factory Mutual listings refer to this product as #12 RoofGrip, #12 Standard RoofGrip, and OMG #12 Standard.



USE WITH
S
W
DECK TYPES

PHYSICAL DATA†

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

| HEAD | THREAD |
|---------------------------|--------------------------|
| #3 Phillips Truss Head** | .220" (5.58 mm) Diameter |
| | SHANK |
| .435" (11.04 mm) Diameter | .160" (4.06 mm) Diameter |
| | COATING |
| | CR-10 |

**#3 Phillips bit included in each carton.

ORDERING INFORMATION

| CAT. NO. | LENGTH IN (MM) | THREAD IN (MM) | PKG QTY | WEIGHT LBS (KG) |
|----------|----------------|----------------|---------|-----------------|
| RGDP158B | 1½ (40) | Full | 1000 | 12 (5.45) |
| RGDP214B | 2¼ (55) | Full | 1000 | 16 (7.26) |
| RGDP003B | 3 (75) | Full | 1000 | 24 (10.89) |
| RGDP004B | 4 (100) | 3 (75) | 1000 | 28 (12.71) |
| RGDP005B | 5 (125) | 3 (75) | 1000 | 35 (15.89) |
| RGDP006B | 6 (150) | 4 (100) | 1000 | 40 (18.16) |
| RGDP007B | 7 (175) | 4 (100) | 1000 | 48 (21.79) |
| RGDP008B | 8 (200) | 4 (100) | 1000 | 50 (22.70) |

†All sizes are nominal.

KEY:

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



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SPECIFICATION

The fastener will be an OMG Standard RoofGrip Drill Point Fastener (#12) with a thread diameter of .220-in. (5.58 mm). The fastener must have 12.5 buttress threads per inch. Also, the fastener must be heat-treated per specification OMG-1. The OMG Standard RoofGrip Drill Point Fastener will be used with a Factory Mutual approved, OMG pressure plate or pressure bar. The fastener must be Factory Mutual approved.

COATING REQUIREMENT

The fastener will be coated with the OMG CR-10 corrosion resistant coating which passes the corrosion requirements of FM Approval Standard 4470 and EAD030351-00-0402.

APPLICATION

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

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

*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-in. (20 to 25 mm) 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" (45 mm) | |
| Cover Board | 1/2" (13 mm) | |
| Min. Penetration | 3/4" (20 mm) | 3/4" (20 mm) |
| Total Fastening | 3" (75 mm) | |
| Correct Length | 3" (75 mm) | |

The proper #12 Standard RoofGrip Drill Point Fastener for this steel deck example is 3 in. (75 mm)



ROOFING PRODUCTS

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