



DRILL-TEC™

Purlin Fastener

Description

The Drill-Tec™ Purlin Fastener is designed for attaching single-ply membrane systems to up to 3/16" (4.76 mm) structural steel purlins (12–18 gauge) in standing seam metal roof retrofit applications. The fastener is coated with the Drill-Tec™ CR-10 corrosion-resistant coating, which passed the corrosion requirements of FM Approval Standard 4470.

Application

Minimum fastener embedment into the purlin should be 1" (25.4 mm). This ensures a minimum of 1/4" (6.35 mm) thread penetration into the structural member.

Note: Be careful not to overdrive the fastener causing stress plate surface to deflect more than 1/16" (1.59 mm).

Plates & Accessories

For proper fastener/plate selection, please refer to the current GAF published application and specifications manual, available at gaf.com, or contact Technical Support at 1-800-766-3411.

For best installation results, use a high-torque, low-RPM screw gun with a maximum of 1,800 RPM.

Code Approvals



Advantages

The Drill-Tec™ Purlin Fastener has a 1/2" (12.7 mm) drill point which allows the screw to quickly drill through the purlin before the threads engage into the standing seam metal roof.

Product Data

Thread Diameter	.230" (5.84 mm)		
Head Diameter	.425" (10.79 mm)		
Hex Head	#3 Square		
Shank	.194" (4.92 mm)		
Coating	CR-10		
Length	Thread Length	Packaging (Box)	Weight
4" (102 mm)	3" (76 mm)	500	35 lb. (15.88 kg)
5" (127 mm)	3" (76 mm)	500	42 lb. (19.05 kg)
6" (152 mm)	3" (76 mm)	500	50 lb. (22.68 kg)
7" (178 mm)	3" (76 mm)	500	61 lb. (27.67 kg)
8" (203 mm)	3" (76 mm)	500	64 lb. (29.03 kg)
10" (254 mm)	3" (76 mm)	500	81 lb. (36.74 kg)

Note: All sizes are nominal



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