

# **Drill-Tec™ Purlin Fastener Data Sheet**

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# DRILL-TEC™

## Purlin Fastener



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### Description

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

### Application

Minimum fastener embedment into the deck should be 1" (25.4 mm). This ensures a minimum of ¼" (6.35 mm) deeper than fastener embedment.

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

### Plates & Accessories

Use 2" (51 mm) steel or plastic plates, depending upon the application.

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 ¾" (19.1 mm) drill point which allows the screw to quickly drill through the purlin before the threads engage into the standing seam metal roof. This greatly reduces the point burnout and breakage and reduces "jacking" between purlin and stand seam metal.

The low-profile hex head has a smooth surface to ensure that there is no damage to the membrane.

### Product Data

Thread Diameter	.210 (5.33 mm)		
Head Diameter	.435 (11.04 mm)		
Hex Head	¼" (6.35 mm)		
Shank	.170" (4.31 mm)		
Coating	CR-10		
Length	Thread Length	Packaging (Box)	Weight
4" (102 mm)	1.125" (28.6 mm)	500	35 lb. (15.88 kg)
5" (127 mm)	Full	500	42 lb. (19.05 kg)
6" (152 mm)	3" (76 mm)	500	50 lb. (22.68 kg)
8" (203 mm)	3" (76 mm)	500	60 lb. (29.03 kg)
10" (254 mm)	3" (76 mm)	500	81 lb. (36.74 kg)

Note: All sizes are nominal