

# HP Purlin Fastener



## Overview

Carlisle's HP Purlin Fastener is specifically designed to secure membrane and Pressure-Sensitive (PS) RUSS to structural steel purlins in Carlisle's metal retrofit roofing systems. HP Purlin Fasteners are compatible with 2" (50.8 mm) HP Polymer Seam Plates and 2 $\frac{3}{8}$ " (60.3 mm) Piranha Plates. Minimum penetration is 1 $\frac{1}{4}$ " (31.75 mm).

*Please note: HP Purlin Fasteners are manufactured with a  $\frac{3}{4}$ " (19 mm) extended point. Actual length of a 3" HP Purlin Fastener is 3 $\frac{3}{4}$ ". The minimum penetration of 1 $\frac{1}{4}$ " includes the  $\frac{3}{4}$ " extension.*

## Features and Benefits

- » Hex head drive for positive bit engagement during the drilling process
- » Self-drilling point can penetrate 12-gauge to 18-gauge steel
- » Superior pull-out and back-out resistance
- » Excellent corrosion resistance; surpasses the FM 4470 corrosion test

## Installation

Insert the HP Purlin Fastener through the approved plate and position as specified. Using a standard clutch drive electric screw gun, install the HP Purlin Fastener flush with the top surface of the plate. The screw gun should be operated at a moderate speed (maximum 1,800 rpm) to avoid burning out the drill point on the HP Purlin Fastener.

*Review Carlisle specifications and details for complete installation information.*

## Precautions

- » Eye protection is recommended during drilling and installation of fasteners.
- » Use care to avoid over-driving the fastener.
- » Pre-drilling may be required for purlins heavier than 12-gauge.
- » Install HP Purlin Fasteners at a moderate speed to avoid burning out the drill point.

## Typical Properties and Characteristics

Size - Inches (mm)	Weight/Carton (Kg)	Thread Length - Inches (mm)	Packaging - Fasteners/ Carton
3 $\frac{3}{4}$ (95)	13 lbs (5.9)	Full	500
4 $\frac{3}{4}$ (121)	13 lbs (7.3)	3 (75)	500
5 $\frac{3}{4}$ (146)	20 lbs (9.1)	3 (75)	500
7 (178)	24 lbs (10.9)	3 (75)	500
8 (203)	27 lbs (12.2)	3 (75)	500
Purlin Gauge	Minimum Pullouts Lbs./Fastener (Kg)		
12 (2.65 mm)	1,000 (450)		
14 (1.90 mm)	1,000 (450)		
16 (1.50 mm)	800 (360)		
18 (1.22 mm)	600 (270)		

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.