

HP-X Fastener



Overview

Carlisle's HP-X Fastener is a specialized, high performance fastener designed to secure Carlisle single-ply membrane and insulation. The HP-X Fastener can be used on steel decks (20-gauge [0.91 mm] or 22-gauge [0.76 mm] or wood [minimum $1\frac{5}{32}$ " [12 mm] CDX plywood]). The HP-X Fastener is designed to offer an optimum combination of driving performance, back-out, and corrosion resistance with excellent pull-out performance.

Features and Benefits

- » Oversized heavy shank and #15 thread diameter for enhanced pull-out resistance
- » Miniature drill point penetrates decks quickly and contributes to exceptional resistance to back-out as well as pull-out
- » Deep buttress threads further increase pull-out and back-out resistance
- » Excellent corrosion resistance, surpassing the FM4470 corrosion test

Installation

1. No pre-drilling is necessary for wood and steel decks. Simply insert the HP-X Fastener through an approved Carlisle plate and install with a standard clutch drive electric screw gun (0–2,500 rpm).
2. Optimum fastener performance is achieved when the fastener is installed perpendicular to the deck and into the top flutes of a steel deck.

Review Carlisle specifications and details for complete installation information.

Precautions

- » The strength of different roof decks varies widely and can be adversely affected by moisture and other conditions. Therefore, Carlisle recommends conducting a fastener pull test to help evaluate deck conditions and fastener suitability.
- » Care must be taken not to overdrive the fastener.
- » Eye protection is recommended during drilling and installation.

Packaging Information

Size Inches (mm)	Weight/Carton (Kg)	Thread Length Inches (mm)	Packaging Fasteners/Carton
2 (50)	20 lbs (9.08)	Full	1,000
3 (75)	29 lbs (13.16)	Full	1,000
4 (100)	38 lbs (17.25)	3 (76)	1,000
5 (125)	24 lbs (10.89)	4 (102)	500
6 (150)	28 lbs (12.71)	4 (102)	500
7 (175)	34 lbs (15.44)	4 (102)	500
8 (200)	38 lbs (17.25)	4 (102)	500
9 (230)	42 lbs (19.07)	4 (102)	500
10 (255)	47 lbs (21.33)	4 (102)	500
11 (280)	52 lbs (23.61)	4 (102)	500
12 (305)	56 lbs (25.42)	4 (102)	500
14 (355)	32 lbs (14.52)	4 (102)	250
16 (405)	38 lbs (17.25)	4 (102)	250

Typical Properties and Characteristics

Head	#3 Phillips Truss Head .435" (11.04 mm) diameter
Thread	.265" (6.73 mm) diameter
Shank	.202" (5.13 mm) diameter
Coating	CR-10

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.