

Product Description:

The IB XHD #15 Roofing Fastener is designed to secure insulation and membrane to various substrates. It is used in conjunction with IB Insulation plates, Isoweld® plates, and IB Barbed Seam plates.

Sizes:

2" - 16" (Lengths over 8" are special order – see table)

Packaging:

The fasteners come pre-packaged in a plastic bucket. See table for quantity and weights. Includes one #3 Phillips bit.

Features:

- Drill point design prevents fastener walking
- 13 threads per inch provides higher pull-out values
- Drill point cuts through gravel and BUR
- Deep #3 recess provides for ultimate bit engagement
- The reduced drill point provides for ultimate pullout values by producing a minimum opening. Thread engagement is superior as compared to standard drill points
- Above average pull out values in 24- & 26-gauge metal
- E-coat meets FM Approval Standard 4470

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)

Application:

The IB XHD #15 Roofing Fastener must penetrate through steel decks a minimum of 3/4", into wood plank decks a minimum of 1", and 1/2" through the underside for plywood decks. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate does not turn.

Typical Pull-out values (lbf. avg):

Steel 26 ga: 301
 Steel 24 ga: 453
 Steel 22 ga: 683
 Steel 20 ga: 898
 Steel 18 ga: 1140
 4000 psi Concrete (1" penetration): 728
 3/4" FR Plywood: 703
 2x Dimensional Lumber (1" penetration): 692



Fastener Length	Thread Length	Packaging	Weight
2"	1.75"	1000	24 lbs
3"	2.75"	1000	30 lbs
4"	3.75"	1000	42 lbs
5"	4"	500	25 lbs
6"	4"	500	30 lbs
7"	4"	500	35 lbs
8"	4"	500	40 lbs
*9"	4"	500	45 lbs
*10"	4"	500	49 lbs
*12"	4"	250	29 lbs
*14"	4"	250	34 lbs
*16"	4"	250	38 lbs

*Size is not stocked. Special order only.
 Note: Thread length measured from tip of drill point to end of threads

Fastener Properties			
Fastener Dimensions		Fastener Strength Values	
Head	#3 Phillips	Property	(lbs. ult)
Head Height	.117"	Tensile	4350
Head Diameter	.437"	Torsional	130 lbf-in
Thread Diameter	.260"	Shear	3700
Blank Diameter	.204"		
Threads per inch	13		

Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.