



Product Description:

IB XHD #15 Roofing Fastener is designed to secure insulation and membrane into steel and wood decks. It is used in conjunction with IB 3" Insulation Plates, IB PVC 3" IW Insulation Plates, IB TPO 3" IW Insulation Plates, IB 2-3/8" Barbes Seam Plates, and IB 2" Barbed Seam Plates.

Features:

- Extra stable #3 Phillips head drive / recessed truss head
- 13 threads per inch provides higher pull-out values
- Drill point design prevents fastener walking
- Cathodic epoxy e-coat

Sizes:

1-1/4" - 12" (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.

Approvals:



Listed with various component assemblies at Florida Building Code (FBC), Factory Mutual (FM), ICC/ES, and Texas Department of Insurance (TDI). Refer to individual assembly approvals for additional information and requirements. Visit our website for links to these agencies and listings at: www.ibroof.com.

Typical Pull-out values (nom):

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



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.

IB HD #14 Roofing Fastener Properties

Fastener Dimensions		Fastener Strength Values	
Head	#3 Phillips Type 1	Property	(lbs. ult)
Head Height	.116"	Tensile	4350
Head Diameter	.437"	Torsional	130 lbf-in
Thread Diameter (major)	.260"	Shear	3700
Thread Diameter (minor)	.170"	Coating and Corrosion	
Blank Diameter	.204"	FM 4470	15/15 Kesternich
Threads per inch	13	ASTM B117	800 salt spray

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"	1000	51 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.
*14"	4"	250	29 lbs.
*16"	4"	250	37 lbs.

*Size is not stocked. Special order only.

Note: Thread length measured from tip of drill point to end of threads



Application:

The IB XHD #15 Roofing Fastener must penetrate through steel, plywood and OSB decks a minimum of 3/4", into wood plank decks a minimum of 1". For structural concrete, 7/32" carbide bit and 1500 rpm screw gun or hammer drill in hammer mode. Structural concrete to be predrilled with standard 7/32" carbide bit to minimum 1/2" deeper than fastener penetration. Using a screw gun capable of 2000-2500 rpm, 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.

Storage:

Store in a dry area, indoors, out of direct sunlight in the original unopened container.

Safety Precautions:

Use proper equipment and assistance when moving, lifting, handling, or transporting membrane rolls to avoid personal injuries as well as damage to the membrane. Safety goggles or protective eye wear are recommended. Refer to the Product Safety Data Sheet for additional safety information.

Go to <https://ibroof.com/tds> for the most up-to-date version of this document.

Toll Free: 800-426-1626

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