

Product Description:

IB #14 Stainless Steel Roofing Fastener is designed to secure insulation and membrane to steel and wood substrates in corrosive environments. It is used in conjunction with IB Insulation plates, Isoweld® plates, and IB Barbed Seam plates.

Sizes:

1-1/2" - 12" (All lengths are special order – see table)

Packaging:

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

Features:

- 13 threads per inch for ease of installation in concrete roof decks
- Low profile truss head
- Deep #3 recess provides for ultimate bit engagement
- 10 stainless steel provides resistance to corrosion in mild to light industrial environments

Approvals:

- Factory Mutual (F.M.)
- Florida Building Code (FBC)

Application:

The IB #14 Stainless Steel Roofing Fastener must penetrate through steel decks a minimum of 3/4", into wood plank decks a minimum of 1", and 3/4" 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 22 ga 40 ksi: 428

Steel 22 ga 80 ksi: 568

19/32" FR Plywood: 582

2x Dimensional Lumber (1" penetration): 605



Fastener Length	Thread Length	Packaging	Weight
*1-1/2"	Full	1000	14 lbs
*2"	Full	1000	18 lbs
*3"	2.875"	1000	25 lbs
*4"	3.875"	1000	32 lbs
*5"	3.875"	1000	39 lbs
*6"	3.875"	1000	46 lbs
*7"	3.875"	500	27 lbs
*8"	3.875"	500	30 lbs
*10"	3.875"	250	39 lbs
*12"	3.875"	250	48 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	.100"	Tensile	4000
Head Diameter	.437"	Shear	2800
Thread Diameter (maj)	.235"	Torsional	100 lbf-in
Thread Diameter (min)	.150"	Drill Point Dia:	.126"
Blank Diameter	.179"	Threads per inch	13

Product details stated are nominal as manufactured, and the results of tests and/or calculations are therefore 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.

