

## Product Description:

The IB SD #12 Insulation Fastener is designed to secure insulation and separation materials to various substrates. It is intended to be used with IB 3" insulation plates.

## Sizes:

1-5/8" - 8" (Lengths 3 - 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
- 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 SD #12 Insulation 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 22 ga: 564

Steel 20 ga: 695

Steel 18 ga: 787

2x Dimensional Lumber (1" penetration): 462

3/4" FR Plywood: 575



Fastener Length	Thread Length	Packaging	Weight
1-5/8"	Full	1000	13 lbs
2-1/4"	Full	1000	17 lbs
*3"	Full	1000	20 lbs
*4"	Full	1000	30 lbs
*5"	4"	1000	34 lbs
*6"	4"	1000	41 lbs
*7"	4"	1000	48 lbs
*8"	4"	1000	56 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	.112"	Tensile	3100
Head Diameter	.437"	Torsional	60 lbf-in
Thread Diameter	.222"	Shear	1800
Blank Diameter	.164"		
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.