

# IB SD #12 Insulation Fastener

**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"

**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 F.M. Approval Standard 4470

**Application:**

The IB SD #12 Insulation Fastener must penetrate steel decks a minimum of 3/4", 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 doesn't turn.

**Approvals:**

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

**Fastener Properties:**

Head: #3 Phillips  
 Head Height: .118" max  
 Head Diameter: .448" max  
 Thread Major Diameter: .222"  
 Shank Diameter: .167"  
 Threads Per Inch: 13



Length	Thread Length	Packaging	Weight
1-5/8"	Full	1000	13 lbs.
2-1/4"	Full	1000	17 lbs.
2-7/8"	Full	1000	17 lbs.
3-1/4"	3"	1000	23 lbs.
3-3/4"	3"	1000	26 lbs.
4-1/2"	4"	1000	26 lbs.
5"	4"	1000	31 lbs.
6"	4"	1000	41 lbs.
7"	4"	1000	24 lbs.
8"	4"	1000	28 lbs.

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

**Strength (lbs. ult.):**

Tensile: 2410  
 Torsional: 76 in-lbs min.  
 Shear: 1815

**Typical Pull-out values (lbs. avg.):**

Steel 22 ga: 513  
 Steel 20 ga: 695  
 Steel 18 ga: 787  
 2x Dimensional Lumber (1" penetration): 462  
 3/4" Plywood: 575