



# DRILL-TEC™

## ASAP® 3S ASSEMBLED SCREW AND 3" STEEL PLATE

### Description

The Drill-Tec™ ASAP® 3S (Assembled Screw and Plate) is designed to secure insulation to steel and wood substrates. The Drill-Tec™ ASAP® 3S is Drill-Tec™ Standard #12 Roofing Fastener assembled with Drill-Tec™ 3" (76 mm) Galvalume® Plate.

The Drill-Tec™ ASAP® 3S is available in lengths from 2 1/4" to 8" (203 mm) in stock. Longer lengths are assembled to order.

The Drill-Tec™ ASAP® 3S is Factory Mutual and Miami-Dade County Product Control approved.

### Application

The Drill-Tec™ ASAP® 3S must penetrate steel decks a minimum of 3/4" (19.1 mm). Drive the fastener until the screw head is seated securely; with very rigid insulation boards, watch for the plate to dimple.

For the fastest, most effective method of installation, use the TallBoy® or ShortBoy® tool.

**Note:** Be careful not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

For steel decks, Factory Mutual requires that the fastener penetrate the deck at the top flute.

### Code Approvals



### Advantages

- The Drill-Tec™ ASAP® 3S greatly reduces installation time and labor costs.
- A Drill-Tec™ Standard #12 Roofing Fastener assembled with a Drill-Tec™ 3" (76 mm) Galvalume® Plate.
- No special installation tool required.
- Steel plate sits flat on DensDeck® and other high-density insulations.

Drill-Tec™  
ASAP® 3S  
Assembled  
Screw And  
3" Steel Plate



### Plates & Accessories

For best installation results, use a variable speed 0-2500 rpm screw gun. For the fastest, most effective method of installation, use the TallBoy® Installation Tool.

### Specifications

The fastener will be a Drill-Tec™ ASAP® 3S with a thread diameter of .220 (5.58 mm). The fastener must have 12.5 threads per inch and a drill point. Also, the fastener must be heat-treated per specification OMG-1. The Drill-Tec™ ASAP® 3S Fastener will be assembled with a Factory Mutual-approved, Drill-Tec™ 3" (76 mm) Galvalume® Plate. The fastener must be Factory Mutual-approved.

### Coating Requirement

The fastener will be coated with the Drill-Tec™ CR-10 corrosion-resistant coating. When subjected to 30 Kesternich cycles (DIN 50018), the fastener must show less than 15% red rust and surpass Factory Mutual Approval Standard 4470.

*Note: TallBoy®, ShortBoy®, and ASAP® are registered trademarks of OMG.*

### Product Data

Thread Diameter	.220 (5.58 mm)
Head Diameter	.435 (11.04 mm)
Head Style	#3 Phillips Truss Head*
Coating	CR-10
Plate Material	Galvalume® Steel

\*#3 Phillips bit included in each carton.

LENGTH	THREAD	PKG (BOX)	WEIGHT
1 5/8" (41.3 mm)	Full	250	14 lb (6.35 kg)
2 1/4" (57.1 mm)	Full	250	15 lb (6.80 kg)
3" (76 mm)	Full	250	16 lb (7.26 kg)
4" (102 mm)	3" (76 mm)	250	19 lb (8.62 kg)
5" (127 mm)	3" (76 mm)	250	21 lb (9.53 kg)
6" (152 mm)	4" (102 mm)	250	23 lb (10.43 kg)
7" (178 mm)	4" (102 mm)	250	25 lb (11.34 kg)
8" (203 mm)	4" (102 mm)	250	26 lb (11.79 kg)

*Note: All sizes are nominal.*

### Example: Drill-Tec™ ASAP® 3S Length Selection Procedure For Steel Deck

1. If applicable, determine thickness of existing roofing material.
2. Add thickness of new insulation.
3. Add 3/4" (19.1 mm) minimum fastener penetration.
4. If odd size requirement, always size up in length, not down. See example below.

### Example

Existing Roofing:	1 3/4" (44.4 mm)
New Insulation:	+ 1/2" (12.7 mm)
Min. Embedment:	+ 3/4" (19.1 mm)
Total Fastening Range:	= 3" (76 mm)

**The proper ASAP® 3S for the example is 3 1/4".**

### Use this format to calculate correct fastener size:

Existing Roof:	
New Insulation:	+
Min. Embedment:	+ 3/4" (19.1 mm)
Total Fastening Range:	=

**The proper ASAP® 3S is:**