

**Drill-Tec™**  
**Heavy Duty ASAP® 2S Assemble**  
**Screw & 2" Steel Barbed Plate**

Updated: 7/17



*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*



# DRILL-TEC™

## HEAVY DUTY ASAP® 2S ASSEMBLED SCREW AND 2" STEEL BARBED PLATE

### Description

The Drill-Tec™ Heavy Duty ASAP® 2S (Assembled Screw and 2" (51 mm) Steel Barbed Plate) is designed to secure single-ply membrane to steel and wood substrates. The Drill-Tec™ Heavy Duty ASAP® 2S is a Drill-Tec™ Heavy Duty #14 Fastener assembled with a Drill-Tec™ 2" (51 mm) Galvalume® Barbed Plate.

The Drill-Tec™ Heavy Duty ASAP® 2S is available in lengths from 2"-16" (51 mm - 406 mm). Longer lengths are assembled to order.

### Application

The Drill-Tec™ Heavy Duty ASAP® 2S must penetrate steel decks a minimum of 3/4" (19.1 mm) and wood decks a minimum of 1" (25.4 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.

For steel decks, Factory Mutual requires that the fastener penetrate the deck at the top flute. Pull test should be performed for wood decks.

### Advantages

- Heavier shank & thread diameters than most "heavy duty" roofing fasteners.
- Deep thread for high pull-out resistance.
- Extra sharp drill point for quick installation in new or reroof applications.
- Assembled with a 2" (51 mm) Barbed Galvalume® 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® or ShortBoy® Installation Tool.

### Specifications

The fastener will be a Drill-Tec™ Heavy Duty ASAP® 2S with a shank diameter of 0.190 (0.423 mm) and a thread diameter of 0.245 (6.22 mm). The fastener must have 10 threads per inch and a 30° drill point. Also, the fastener must be heat-treated per specification OMG-1. The Drill-Tec™ Heavy Duty #14 Fastener will be assembled with a Factory Mutual-approved, Drill-Tec™ 2" (51 mm) Galvalume® Barbed Plate.

### 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	.245 (6.22 mm)
Shank Diameter	.190 (0.423 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 Length	Packaging (Box)	Weight
2" (51 mm)	Full	250	13 lb (5.90 kg)
3" (76 mm)	Full	250	15 lb (6.80 kg)
4" (102 mm)	3" (76 mm)	250	17 lb (7.71 kg)
5" (127 mm)	4" (102 mm)	250	19 lb (8.62 kg)
6" (152 mm)	4" (102 mm)	250	21 lb (9.53 kg)
7" (178 mm)	4" (102 mm)	250	23 lb (10.43 kg)
8" (203 mm)	4" (102 mm)	250	24 lb (10.89 kg)
9" (227 mm)	4" (102 mm)	250	26 lb (11.79 kg)
10" (254 mm)	4" (102 mm)	200	23 lb (10.43 kg)
11" (279 mm)	4" (102 mm)	200	24 lb (10.89 kg)
12" (305 mm)	5" (127 mm)	200	26 lb (11.79 kg)

*Note: All sizes are nominal.*

Drill-Tec™ Heavy Duty ASAP® 2S Assembled Screw And 2" Steel Barbed Plate



### Example: Heavy Duty ASAP® 2S Assembled Screw And 2" (51 mm) Steel Barbed Plate 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)
	(Steel Deck)
Total Fastening Range:	= 3" (76 mm)

**The proper ASAP® 2S for the example is 3" (76 mm).**

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

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

**The proper ASAP® 2S is:**