

Drill-Tec™  
Heavy Duty ASAP® 2S  
Assembled Screw and  
2” Steel Barbed Plate

Data Sheet

Updated: 1/10



*Quality You Can Trust Since 1886...  
From North America's Largest Roofing Manufacturer™*



# DRILL-TEC™

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

Use With:  
**Steel And Wood Decks**

### Description

The Drill-Tec™ Heavy Duty ASAP® 2S (Assembled Screw and 2" 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" Galvalume® Barbed Plate.

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

### Application

The Drill-Tec™ Heavy Duty ASAP® 2S must penetrate steel decks a minimum of 3/4" and wood decks a minimum of 1". 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 spade point for quick installation in new or reroof applications.
- Assembled with a 2" 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 and a thread diameter of 0.245. The fastener must have 10 threads per inch and a 30° spade 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" 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.

### Product Data

Thread Diameter	.245
Shank Diameter	.190
Head Diameter	.435
Head Style	#3 Phillips Truss Head*
Coating	CR-10
Plate Material	Galvalume® Steel

\*#3 Phillips bit included in each carton.

SKU #	Length	Thread Length	Packaging	Weight
862A	2"	Full	250	12 lbs
862B	3"	Full	250	14 lbs
862C	4"	3"	250	16 lbs
862D	5"	4"	250	18 lbs
862E	6"	4"	250	20 lbs
862F	7"	4"	250	22 lbs
862G	8"	4"	250	24 lbs
862H	10"	5"	200	23 lbs
862I	12"	5"	200	26 lbs

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### Example: Heavy Duty ASAP® 2S Assembled Screw And 2" 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" minimum fastener penetration.
4. If odd size requirement, always size up in length, not down. See example below.

#### Example

Existing Roofing: 1 3/4"  
New Insulation: + 1/2"  
Min. Embedment: + 3/4"(Steel Deck)  
Total Fastening Range: = 3"

**The proper ASAP® 2S for the example is 3".**

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

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

**The proper ASAP® 2S is:**