

Drill-Tec™
Extra Heavy Duty ASAP®
Assembled Screw &
2 3/8" Steel Barbed Plate

Data Sheet

Updated: 1/10



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



DRILL-TEC™

EXTRA HEAVY DUTY ASAP® ASSEMBLED SCREW & 2 3/8" STEEL BARBED PLATE

Use
With:
**Steel
Decks**

Description

The Drill-Tec™ Extra Heavy Duty ASAP® (Assembled Screw and Plate) is a specialized, high performance fastener designed to secure insulation and single-ply membrane to steel. The Drill-Tec™ Extra Heavy Duty ASAP® is a Drill-Tec™ Extra Heavy Duty #15 Fastener assembled with a Drill-Tec™ 2 3/8" Barbed Galvalume® Plate.

Application

The Drill-Tec™ Extra Heavy Duty ASAP® must penetrate steel decks a minimum of 3/4". The Drill-Tec™ Extra Heavy Duty ASAP® should always be tested on site by a GAF representative to determine performance and proper installation procedure. Call GAF to schedule testing.

Note: Make sure not to overdrive the fastener. Fastener must be tight enough so that the plate doesn't turn. Factory Mutual requires that the fastener penetrates the steel deck at the top flute.

Advantages

- Oversized heavy shank and thread diameters for enhanced pull-out resistance in light gauge steel and aluminum roof decks.
- Deep buttress threads further increase pull-out resistance.
- Miniature drill point penetrates decks quickly and contributes to exceptional resistance to back-out as well as pull-out.
- Assembled with a 2 3/8" 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 Installation Tool.

Specifications

The fastener will be a Drill-Tec™ Extra Heavy Duty ASAP® with a thread diameter of .275. The fastener must have 12 threads per inch and a drill point. Also, the fastener must be heat treated per specification OMG-1. The Drill-Tec™ Extra Heavy Duty #15 Fastener will be assembled with a 2 3/8" Galvalume® Steel 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

Head Diameter	.435
Thread Diameter	.275
Head Style	#3 Phillips Truss Head
Coating	CR-10
Plate Material	Galvalume® Steel

SKU #	Length	Thread Length	Packaging	Weight
86PN	3"	Full	250	21 lbs
86PO	4"	3"	250	23 lbs
86PP	5"	4"	250	25 lbs
86PQ	6"	4"	250	27 lbs
86PR	7"	4"	250	30 lbs
86PS	8"	4"	250	33 lbs
86PU	10"	4"	200	31 lbs
86PW	12"	4"	200	34 lbs

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Screw
And 2 3/8"
Steel Plate



Example: Extra Heavy Duty ASAP® Length Selection Procedure For Light Gauge 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" (Light Gauge Steel Deck)
Total Fastening Range: = 3"

The proper Extra Heavy Duty ASAP® for the example is 3".

Use this format to calculate correct fastener size:

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

The proper Extra Heavy Duty ASAP® is: