

Drill-Tec™
ASAP® 3S Assembled Screw
and 3” Steel Plate

Data Sheet

Updated: 1/10



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



DRILL-TEC™

ASAP® 3S ASSEMBLED SCREW AND 3" STEEL PLATE

Use With:
**Steel
And
Wood
Decks**

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" Galvalume® Plate.

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

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

Application

The Drill-Tec™ ASAP® 3S must penetrate steel decks a minimum of 3/4". 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" Galvalume® Plate.
- No special installation tool required.
- Steel plate sits flat on Dens-Deck® and other high density insulations.

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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. The fastener must have 12.5 threads per inch and a 30° spade 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" Galvalume® Plate. The fastener must be Factory Mutual approved and made in the U.S.A.

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	.220
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
458D	2 1/4"	Full	250	15 lbs
458E	2 7/8"	2 5/8"	250	16 lbs
458F	3 1/4"	3"	250	17 lbs
458G	3 3/4"	3"	250	18 lbs
458H	4 1/2"	3"	250	19 lbs
458I	5"	3"	250	21 lbs
458J	6"	4"	250	23 lbs
458K	7"	4"	250	25 lbs
458L	8"	4"	250	26 lbs

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" 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"
Total Fastening Range: = 3"

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"
Total Fastening Range: = _____

The proper ASAP® 3S is: