

Drill-Tec™ Heavy Duty #14 Roofing Fastener

Data Sheet

Updated: 1/10



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



DRILL-TEC™

HEAVY DUTY #14

ROOFING FASTENER

Use
With:
**Heavy
Steel
Decks**

Description

The Drill-Tec™ Heavy Duty #14 Roofing Fastener is designed to secure insulation to heavy steel (18 ga.– 20 ga.) and wood decks. It is available in lengths from 1-1/4" – 16". The Drill-Tec™ Heavy Duty Roofing Fastener is Factory Mutual and Dade County approved.

Application

The Drill-Tec™ Heavy Duty #14 Roofing Fastener must penetrate the deck a minimum of 3/4". Using a screwshooter, drive the fastener until the screw head is seated securely; with very rigid insulation boards, watch for the plate to dimple.

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.

Code Approvals



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.

Plates & Accessories

- Use 3" steel or plastic plates, depending upon the application.
- For best installation results, use a variable speed 0-2500 rpm screw gun.

Specifications

The fastener will be a Drill-Tec™ Heavy Duty #14 Roofing Fastener with a shank diameter of .190 and a thread diameter of .245. The fastener must have 10

threads per inch and have a 30° spade point. Also, the fastener must be heat treated per specification OMG-1. The Drill-Tec™ Heavy Duty Roofing Fastener will be used with a Factory Mutual approved, Drill-Tec™ round pressure 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	.245
Shank Diameter	.190
Head Diameter	.435
Head Style	#3 Phillips Truss Head*
Coating	CR-10

*#3 Phillips bit included in each carton.

SKU #	Length	Thread Length	Packaging	Weight
4512	1 3/4"	Full	1000	17 lbs
4513	2"	Full	1000	19 lbs
4514	3"	Full	1000	27 lbs
4515	4"	3"	1000	35 lbs
4516	5"	4"	500	23 lbs
4517	6"	4"	500	26 lbs
4518	7"	4"	500	30 lbs
4519	8"	4"	500	34 lbs
4520	9"	5"	500	37 lbs
4521	10"	5"	500	40 lbs
4522	11"	5"	500	44 lbs
4523	12"	5"	250	25 lbs
4524	14"	5"	250	29 lbs
4525	16"	5"	250	38 lbs

Longer Lengths Available Upon Request.
Call GAF For Information.

Drill-Tec™
Heavy Duty #14
Roofing Fastener



Example: Drill-Tec™ Heavy Duty Roofing Fastener Length Selection Procedure

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 Heavy Duty Roofing Fastener for the example is 3".

Use this format to calculate correct fastener size:

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

The proper Heavy Duty Roofing Fastener is: