

**SIZES AND PERFORMANCE SPECIFICATIONS**



**#15-13 DP1 DRILL POINT TRUSS HEAD CARBON STEEL**

Uses: Wood, concrete or steel (16 ga. - 22 ga.).  
Material: Carbon Steel

Corrosion Protection: Epoxy coating (black) meets or exceeds FM4470 corrosion standards and withstands 15 cycles of the Kesternich DIN 50018 SFW 2.0 test.

Head Height: .095" - .105"  
Head Diameter: .425" - .440"

*Great for retrofit base attachment. Tap up to 1/2" thick steel. Use 1/4" drill bit.*



Screw Length	Thread Length	Pieces/Pail	Weight/Pail
1 1/4	FULL	1000	14#
2	FULL	1000	21#
3	2 7/8	1000	31#
4	3 7/8	1000	40#
5	3 7/8	1000	49#
6	3 7/8	500	29#
7	3 7/8	500	34#
8	3 7/8	500	38#
9	3 7/8	500	43#
10	3 7/8	500	48#
11	3 7/8	500	52#
12	3 7/8	500	57#
14	3 7/8	250/Bx	33#/Bx
16	3 7/8	250/Bx	38#/Bx
18	3 7/8	250/Bx	43#/Bx
20	3 7/8	250/Bx	47#/Bx
22	3 7/8	250/Bx	52#/Bx
24	3 7/8	250/Bx	56#/Bx

**ATTACHMENT TIPS**

Metal Deck: Fastener must penetrate the deck by a minimum of 3/4".

Concrete and Wood: Fastener embedment of 1" or a minimum of 1" penetration through wood decking.

Property	Standard	Average Ultimate Value
Tensile Strength:	ASTM F606-10	4200 lbf.
Shear Strength:	NASM 1312-20	2400 lbf. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	< 15% Red Rust after 30 cycles

**Pullout for #15 DP1 Carbon Steel SENTRY PLUS FIVE®**  
(Loads are average ultimate)

**Drill Bit Size - Steel**

1/4" 135° Split Point

\*Pre-drilling required for steel thicker than 14 Ga.

**Drill Bit Size - Concrete**

7/32" Carbide Tip

Thickness	APA Rated OSB				APA Rated Plywood			SPF #2
	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	
Pullout (lb.)	295	300	310	515	400	525	685	1165*

Thickness	24 ga.	22 ga.			20 ga.			18 ga.			16 ga.		
Yield Strength	36.5 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi
Pullout (lb.)	390	465	695	805	605	855	970	925	1125	1215	1175	1370	1460



**3" METAL STRESS PLATE**

Testing: Meets or exceeds Factory Mutual I-60 or I-90 wind up lift specifications when properly installed on most insulation boards.

Feature: Plate is formed from 26 gauge Galvalume® steel.

Use with Phillips Truss Head fastener.

Uses: They are used with virtually all types of insulation board used for roofing systems.

Galvalume is a trademark of BIEC International, Inc.



**Square, Hex, Round, Steel or Plastic...We have what you need!**

- 3" x 3" Square Recessed Galvalume Metal
- 3" x 3" Square Flat Bottom Galvalume Metal
- 3" Across Flats Hex Galvalume Metal
- 3" Across Flats Hex Plastic
- 2" Round Galvalume Metal (Standard)
- 3" Round Galvalume Metal (Standard)
- 3" Round Plastic



**DISCLAIMER**

The performance specifications published in this literature are based on controlled laboratory tests and are intended as a guideline only. They are not guaranteed in any way by TFC (the manufacturer), since building design, engineering, and construction, including workmanship and materials, are beyond the control of the manufacturer. The manufacturer recommends that pull-out tests be conducted to verify the substrate provides adequate pull-out values.