

SIZES AND PERFORMANCE SPECIFICATIONS



#14-13 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"



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.

Screw Length	Thread Length	Pieces/Box	Weight/Box
1-1/2"	FULL	1000	14#
2"	FULL	1000	18#
3"	FULL	1000	26#
4"	3-7/8"	1000	31#
5"	3-7/8"	1000	42#
6"	3-7/8"	1000	47#
7"	3-7/8"	500	27#
8"	3-7/8"	500	30#
9"	3-7/8"	500	34#
10"	3-7/8"	500	38#
11"	3-7/8"	500	43#
12"	3-7/8"	500	45#

Property	Standard	Average Ultimate Value
Tensile Strength	ASTM F606-10	2500 Lb.
Shear Strength:	NASM 1312-20	2200 Lb. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	<15% Red Rust after 30 cycles



#14 HD STAINLESS STEEL BI-METAL

316 stainless steel alloy with a hardened carbon steel drill point. This all purpose roofing fastener is engineered to secure insulation, coverboards, base sheets and single-ply roof membrane systems to corrugated steel (18-24ga.) and wood substrates. The #2 self-drilling point and exclusive tapered entry thread design penetrates steel quickly.

Uses: Wood or steel (24 ga. - 18 ga.).
 Material: 316 Stainless Steel with a hardened carbon steel drill point.
 Coating: Electro-Zinc

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



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.

SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/Box	Weight/Box
1-1/2"	FULL	1000	12.9#
2"	FULL	1000	15.5#
3"	2-7/8"	1000	23.7#
4"	3-7/8"	1000	30.9#
5"	3-7/8"	1000	37.3#
6"	3-7/8"	1000	44.0#
7"	3-7/8"	500	25.9#
8"	3-7/8"	500	29.7#
10"	3-7/8"	250	17.6#
12"	3-7/8"	250	21.3#

Property	Standard	Average Ultimate Value
Tensile Strength	ASTM F606-10	2000 Lb.
Shear Strength	AISI S904	1400 Lbf. (thread zone)
Corrosion Resistance	FM 4470, DIN 50018	<15% Red Rust after 30 cycles

Pullout for Carbon Steel and Stainless Steel Black SP#14 DPP®

Thickness	24 ga.				22 ga.			20 ga.			18 ga.			16 ga.		*Average Ultimate in Pounds
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 ksi	102.0 ksi	80 ksi	102.0 ksi	
Pullout (lbf.)	255	315	480	560	420	615	710	675	885	985	850	1115	1240			

Thickness	APA Rated OSB				APA Rated Plywood			SPF #2		*Loads are average ultimate
	7/16"	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"	Including tip	Excluding tip	
Pullout (lbf.)	270	290	310	410	360	410	730	600	795	

Drill Bit Size - Concrete

• 3/16" Carbide Tip

NOTE: Drill hole at least 1/2" deeper than screen embedment

Average Ultimate in Pounds
 *Carbon Steel Only

Embedment	3000 PSI Concrete		
	1"	1-1/2"	2"
Pullout (lbf.)	450	675	900

(Loads are average ultimate)

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 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.