

**#12-13 DP1 DRILL POINT
TRUSS HEAD**

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

Back-out Resistance: Typical back-out steel deck
(18 ga. through 24 ga.) 10 - 14 in lbs.

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"



Sentry Plus Five fasteners are FM approved and
meets FM specification #4470.

Contact your TFC product professional for
approval details.

SIZES AND PERFORMANCE SPECIFICATIONS

Screw Length	Thread Length	Pieces/ Box	Weight/Box
1-5/8" (41mm)	FULL	1000	12#
2-1/4" (57mm)	FULL	1000	16#
2-7/8" (73mm)	FULL	1000	19#
3-1/4" (83mm)	2-7/8" (22mm)	1000	22#
3-3/4" (95mm)	2-7/8" (22mm)	1000	25#
4-1/2" (114mm)	4" (101mm)	1000	30#
5" (127mm)	4" (101mm)	1000	32#
6" (152mm)	4" (101mm)	1000	38#
7" (177mm)	4" (101mm)	1000	42#
8" (203mm)	4" (101mm)	1000	48#

**#12-13 DP1 DRILL POINT
1/4" HEX WASHER HEAD**

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

Back-out Resistance: Typical back-out steel deck
(18 ga. through 24 ga.) 10 - 14 in lbs.

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

ATTACHMENT TIPS

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

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



Property	Standard	Average Ultimate Value
Tensile Strength	ASTM F606-10	2500 Lb.
Shear Strength:	NASM 1312-20	1900 Lb. (thread zone)
Corrosion Resistance:	FM 4470, ASTM D6294, DIN 50018	<15% Red Rust after 30 cycles



Pullout for #12 DP1 Carbon Steel SENTRY PLUS FIVE® (Loads are average ultimate)

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.)	265	300	325	440	365	475	720	700*

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.)	230	285	410	465	355	505	580	540	715	800	710	1000	1145

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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.