

#14-13 DP1 - METAL OR WOOD

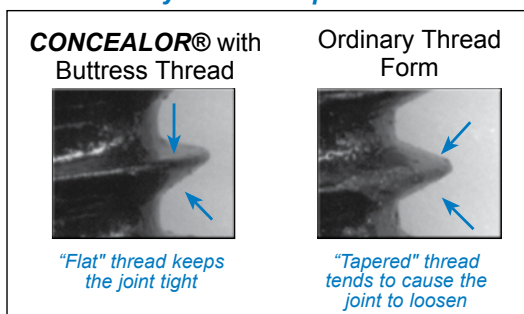
Fasten into metal or wood



#14 DP1 CONCEALOR® is engineered to perform in a variety of applications. Special buttress thread form provides exceptional clamping loads and resists loosening compared to ordinary thread forms. Specified in many metal roofing systems to attached SSR clips over rigid insulation into metal deck.

FM approved for preliminary attachment of nail base insulation without the use of stress plates.

Here is why we use a special thread...



Description	Attachment Thickness	Part Number	Carton Quantity	Wt Per M Pcs
#14-13 x 1-1/2" DP1	<=1.000"	141500C1	2,500 pcs	14.0#
#14-13 x 2" DP1	<=1.500"	142000C1	1,000 pcs	18.0#
#14-13 x 3" DP1	.125" - 2.500"	143000C1	1,000 pcs	26.0#
#14-13 x 4" DP1	.125" - 3.500"	144000C1	1,000 pcs	29.5#
#14-13 x 4-1/2" DP1	.625" - 4.000"	144500C1	1,000 pcs	36.5#
#14-13 x 5" DP1*	1.125" - 4.500"	145000C1	1,000 pcs	40.0#
#14-13 x 6" DP1*	2.125" - 5.500"	146000C1	1,000 pcs	47.0#
#14-13 x 7" DP1*	3.875" - 6.500"	147000C1	500 pcs	54.0#
#14-13 x 8" DP1*	4.875" - 7.500"	148000C1	500 pcs	57.0#
#14-13 x 9" DP1*	5.875" - 8.500"	149000C1	500 pcs	61.0#

Epoxy Coated 15 cycles Kesternich. Exceeds FM 4470

*Longer thread length available.



Now available in lengths up to 9"!



#12-24 DP4 - THICK METAL

Fasten into metal from 14 gauge up to 1/4"

(For optimal strength, consider using our 1/4-14 DP3 listed on page 22.)



#12 DP4 CONCEALOR® Heavy Duty fasteners can drill and tap up to 1/4" steel! Great for heavy gauge applications requiring a low profile head. Coated with an epoxy finish that exceeds FM4470 specification assuring long-life corrosion resistance.



Description	Attachment Thickness	Part Number	Carton Quantity	Wt Per M Pcs
#12-24 x 1-3/8" DP4	<=.375"	121375C35E	2,500 pcs	16#
#12-24 x 2-3/4" DP4	<=1.500"	122750C35E	1,000 pcs	26#
#12-24 x 3-3/4" DP4	.375" - 2.500"	123750C35E	1,000 pcs	34#
#12-24 x 4-3/4" DP4	1.375" - 3.500"	124750C35E	1,000 pcs	40#
#12-24 x 5-3/4" DP4	2.375" - 4.500"	125750C35E	1,000 pcs	48#
#12-24 x 6-3/4" DP4	3.375" - 5.500"	126750C35E	1,000 pcs	54#
#12-24 x 7-3/4" DP4	4.375" - 6.500"	127750C35E	1,000 pcs	62#

Epoxy Coated 15 cycles Kesternich. Exceeds FM 4470



STRUCTURAL INSULATED PANEL (SIP) AND NAIL BASE FASTENERS

We offer the widest selection of fasteners for attaching structural insulated panels and nail base to metal or wood.

SIP Fasteners

For Structural Insulated Panel and Nail Base Construction



PRODUCT FEATURES

- Case hardened and tempered for easy installation and long term durability.
- Large diameter, low profile pancake head provides excellent pull-through resistance without the need for a washer while eliminating “telegraphing” on shingles, metal panels and other roof surface materials.
- 6-Lobe internal drive offers excellent bit engagement during installation, especially in high torque applications.
- Widest selection of fastener lengths in the industry for proper sizing to panel thickness.
- Choice of 3 thread/point styles for job-matched performance in either wood or steel substrates.



SIPTP
Thread Point
for Wood & Timber
Applications



SIPLD
Light Duty -
Drill Point for
Corrugated Steel
Deck & Wood
Applications



SIPHD
Heavy Duty -
Drill Point for
Thick Steel Member
Applications



PRODUCT SPECIFICATIONS

Material: Case hardened and tempered carbon steel
 Head Style/Drive: Pancake Head with T-30 Internal Drive
 Head Diameter: 0.625"
 Nominal Shank Diameter: SIPTP and SIPLD: 0.190"
 SIPHD: 0.212"
 Thread Length: SIPTP* and SIPLD: 2.750"
 SIPHD: 3.875"

Overall Lengths: * 3" and longer fasteners; 2" and 2-1/2" fasteners are full thread
 SIPTP: 2" thru 18"
 SIPLD: 3" thru 18"
 SIPHD: 6" thru 13-3/4"

Point: SIPTP: Gimlet Thread
 SIPLD: #2 (0.135" dia.) Drill Point
 SIPHD: #4 (0.225" dia.) Drill Point

Coating: Epoxy e-coat (black)

Passes more than 15 cycles (Kesternich) in accordance with DIN 50012

Need more pullout, back-out, and corrosion resistance?

Take a look at our #14 CONCEALOR DP1 pancake head screws on page 21. They are FM approved for nail base attachment and are designed with a buttress thread form for superior performance.

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SIP Fasteners

For Structural Insulated Panel and Nail Base Construction

PRODUCT SELECTION

Length in. (mm)	SIPTP Part #	SIPLD Part #	Pkg. Qty.
2 (51)	SIPTP-2000	NA	500/Pail
2-1/2 (64)	SIPTP-2500	NA	500/Pail
3 (76)	SIPTP-3000	SIPLD-3000	500/Pail
3-1/2 (89)	SIPTP-3500	SIPLD-3500	500/Pail
4 (102)	SIPTP-4000	SIPLD-4000	500/Pail
4-1/2 (114)	SIPTP-4500	SIPLD-4500	500/Pail
5 (127)	SIPTP-5000	SIPLD-5000	500/Pail
5-1/2 (140)	SIPTP-5500	SIPLD-5500	500/Pail
6 (152)	SIPTP-6000	SIPLD-6000	500/Pail
6-1/2 (165)	SIPTP-6500	SIPLD-6500	500/Pail
7 (178)	SIPTP-7000	SIPLD-7000	500/Pail
7-1/2 (191)	SIPTP-7500	SIPLD-7500	500/Pail
8 (203)	SIPTP-8000	SIPLD-8000	500/Pail
8-1/2 (216)	NA	SIPLD-8500	250/Pail
9 (229)	SIPTP-9000	SIPLD-9000	250/Pail
10 (254)	SIPTP-10000	SIPLD-10000	250/Pail
11 (279)	SIPTP-11000	SIPLD-11000	250/Pail
12 (305)	SIPTP-12000	SIPLD-12000	250/Pail
13 (330)	SIPTP-13000	SIPLD-13000	250/Box
14 (356)	SIPTP-14000	SIPLD-14000	250/Box
15 (381)	SIPTP-15000	SIPLD-15000	250/Box
16 (406)	SIPTP-16000	SIPLD-16000	250/Box
18 (483)	SIPTP-18000	SIPLD-18000	250/Box

NOTE: Two T-30 Driver Bits included in each package

Length in. (mm)	SIPHD Part #	Pkg. Qty.
6 (152)	SIPHD-6000	500/Pail
8 (203)	SIPHD-8000	250/Pail
9-3/4 (248)	SIPHD-9750	250/Pail
11-3/4 (298)	SIPHD-11750	250/Pail
13-3/4 (349)	SIPHD-13750	250/Box

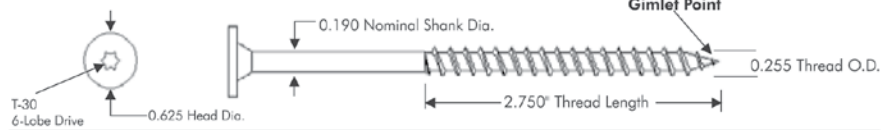
NOTE: Two T-30 Driver Bits included in each package



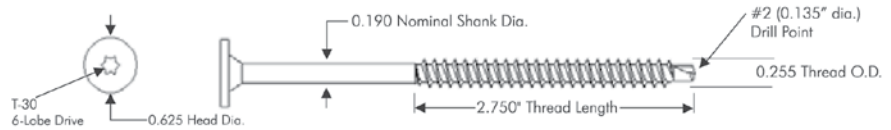
NOTE: All tests were conducted by an independent testing laboratory. Test results are offered only as a guide and are not guaranteed in any way by TRUFAST, LLC. *Head Pull-Thru, *Withdrawal, and *Lateral Load* data reflect average ultimate values.

FASTENER DIMENSIONS

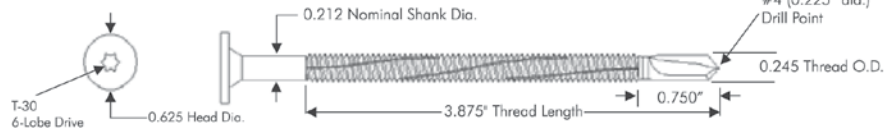
SIPTP THREAD POINT



SIPLD LIGHT DUTY DRILL POINT



SIPHD HEAVY DUTY DRILL POINT



PERFORMANCE DATA

Fastener	Tensile Strength	Shear Strength	Head Pull-Thru Values	
			7/16" OSB	SIP Panel
SIPTP	3380 lbf.	2900 lbf.	545 lbf.	630 lbf.
SIPLD	3380 lbf.	2900 lbf.	545 lbf.	630 lbf.
SIPHD	6000 lbf.	3400 lbf.	545 lbf.	630 lbf.

Withdrawal Values in Wood*

Specific Gravity	0.67	0.55	0.50	0.46	0.43	0.36	0.31
SIPTP & SIPLD:	1429	1173	1067	981	917	768	661

*Values are in lbf/in. of thread penetration

Withdrawal Values in Steel

Type B Corrugated	22 ga	20 ga	18 ga		
SIPLD:	510 lbf	645 lbf	920 lbf		
Structural Steel	16 ga	13 ga	12 ga	3/16"	1/4"
SIPHD:	770 lbf	1130 lbf	1890 lbf	3100 lbf	4500 lbf

Lateral Load Resistance

Fastener	Main Member	Side Member	Load (lbf.)
SIPTP	SPF 2x4	SIP Panel	943
SIPLD	22 ga. Corrugated Steel	Nail Base	411
SIPLD	7/16" OSB	Nail Base	112
SIPHD	1/8" Structural Steel	SIP Panel	929



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