

# SIP Fasteners

For Structural Insulated Panel and Nail Base Construction



## APPLICATION

TRUFAST SIP Fasteners are specifically engineered for attaching structural insulated panels (sips) and nail base panels to wood and metal framing. Featuring a large, pancake head style with a 6-lobe drive, TRUFAST SIP Fasteners drive quickly and smoothly, and draw panels securely without the need of a washer. And only TRUFAST offers three fastener styles for use in wood, corrugated steel, and steel members without pre-drilling! Contact your panel manufacturer or distributor and ask to test drive a TRUFAST SIP Fastener, and see why they're the #1 fastener in the SIP industry.

## 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"

*\* 3" and longer fasteners; 2" and 2-1/2" fasteners are full thread*

Overall Lengths: 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*

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## 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

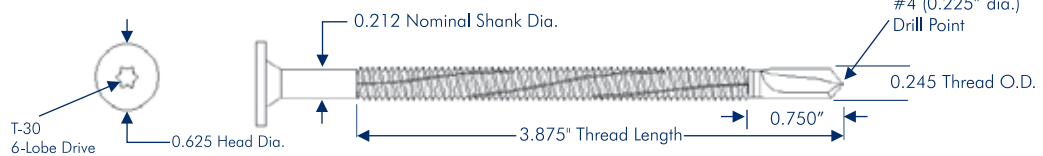
### SIPTP THREAD POINT



### 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
<b>SIPTP &amp; SIPLD:</b>	1429	1173	1067	981	917	768	661

\*Values are in lb/in. of thread penetration

## Withdrawal Values in Steel

Type B Corrugated	22 ga	20 ga	18 ga		
<b>SIPLD:</b>	510 lbf	645 lbf	920 lbf		
Structural Steel	16 ga	13 ga	12 ga	3/16"	1/4"
<b>SIPHD:</b>	770 lbf	1130 lbf	1690 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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