



PREMIER SIPS
STRUCTURAL INSULATED PANELS

SCREWS



PRODUCT OVERVIEW

Premier SIPS screws are engineered and manufactured to give you control over your project installation.

- 6 lobe drive head for less stripping
- Sits tight to Premier SIPS surface
- Heat treated steel for high strength and durability
- Coated for superior corrosion resistance
- Superior wind up lift strength

PREMIER SIPS WOOD SCREWS

Premier SIPS Wood Screws are used to attach Premier SIPS (Structural Insulated Panels) to wood structural members and substrates. The wood Screw is strong and costs less than other systems utilizing screws and stress plates or spikes.

AVAILABLE IN THE FOLLOWING LENGTHS

3 in.	3 1/2 in.	4 in.	4 1/2 in.	5 in.
5 1/2 in.	6 in.	6 1/2 in.	7 in.	7 1/2 in.
8 in.	8 1/2 in.	9 in.	10 in.	11 in.
12 in.	13 in.	14 in.	15 in.	16 in.
18 in.				

Premier SIPS wood screws may also be used for installation into concrete or CMU. Simply predrill with 3/16 in. masonry bit, and install using a low rpm/high torque screw gun.

PREMIER SIPS LIGHT DUTY METAL SCREWS

Premier SIPS Light Duty Metal Screw are for securing to wood and light gauge steel framing. (22 - 18 ga.)

AVAILABLE IN THE FOLLOWING LENGTHS

3 in.	3 1/2 in.	4 in.	4 1/2 in.	5 in.
5 1/2 in.	6 in.	6 1/2 in.	7 in.	7 1/2 in.
8 in.	8 1/2 in.	9 in.	10 in.	11 in.
12 in.	13 in.	14 in.	15 in.	16 in.
18 in.				

Premier SIPS light duty metal screws may also be used for installation into concrete or CMU. Simply predrill with 3/16 in. masonry bit, and install using a maximum 2,500 rpm screw gun.

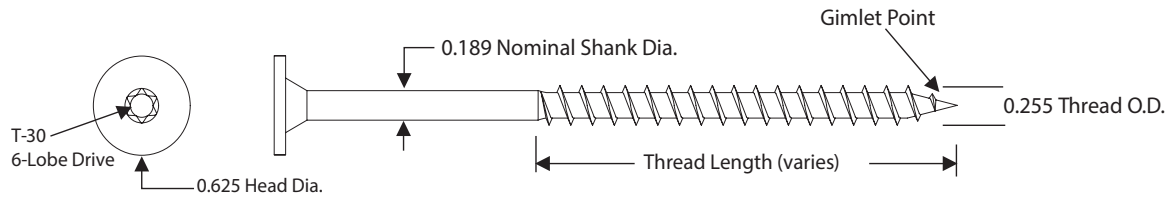
PREMIER SIPS HEAVY DUTY METAL SCREWS

Premier SIPS Heavy Duty Metal Screws are for installation into 16 ga. to 3/8 in. steel members. For installation into steel over 3/8 in. thickness, predrill with a #8 bit (0.199 in.) Install using a maximum 2,000 rpm screw gun.

AVAILABLE IN THE FOLLOWING LENGTHS

6 in.	8 in.	9 3/4 in.	11 3/4 in.	13 3/4 in.
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PREMIER SIPS WOOD SCREWS



All values provided below are average ultimate values. As determined by the project architect/engineer, appropriate safety factors must be used in design.

WOOD SCREW PROPERTIES			
Tensile (lbs) AISI S904	Shear (lbs) AISI S904	Bending Yield Strength -Fyb(psi) ASTM F1575	Corrosion Resistance ASTM D6294, ETAG 006
3555	2580	185,000	<15% Red Rust after 30 cycles

WITHDRAWAL: LUMBER & ENGINEERED WOOD (lbs/in.) ¹							
SPF/HF (0.42)		DF/SP (0.50)		LVL (0.50)		LSL (0.50)	OSB (7/16")
Face Grain	Edge Grain	Face Grain	Edge Grain	Face Grain	Edge Grain	Face Grain	Face
779	615	899	702	556	495	711	265

1. Load values include fastener tip

HEAD PULL THRU (lbs)	
7/16" OSB	SIP
490	630

WITHDRAWAL: CONCRETE & CMU (lbs) ¹		
2500 psi Concrete	5000 psi Concrete	CMU ²
682	859	713

1. Fastener penetrates 1" into the concrete or CMU block, including the tip.
2. Concrete masonry unit (CMU) conforming to ASTM C90.

LATERAL LOAD RESISTANCE (lbs)		
Main Member	Side Member	Load
SPF ¹	8-1/4" SIP	943

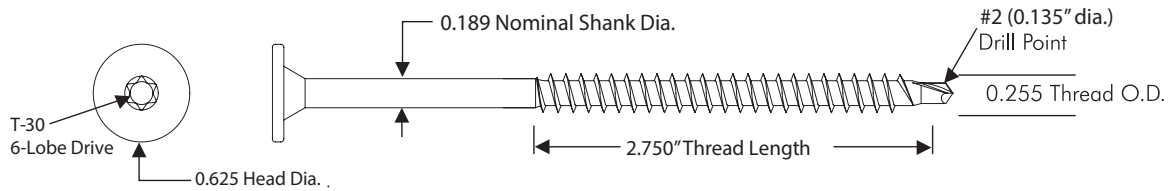
1. 1-3/4" fastener embedment into edge grain, including tip.



Website: premierrips.com Toll Free: 800-275-7086



PREMIER SIPS LIGHT DUTY METAL SCREWS



All values provided below are average ultimate values. As determined by the project architect/engineer, appropriate safety factors must be used in design.

LIGHT DUTY METAL SCREW PROPERTIES			
Tensile (lbs) AISI S904	Shear (lbs) AISI S904	Bending Yield Strength -Fyb(psi) ASTM F1575	Corrosion Resistance ASTM D6294, ETAG 006
3390	2490	185,000	<15% Red Rust after 30 cycles

WITHDRAWAL: CORRUGATED STEEL DECK (lbs)						
24 ga. (36 ksi)	22 ga. (36 ksi)	22 ga. (85 ksi)	20 ga. (36 ksi)	18 ga. (36 ksi)	16 ga. (36 ksi)	16 ga. (100 ksi)
250	381	435	449	694	896	1186

HEAD PULL THRU (lbs)	
7/16" OSB	SIP
490	630

* Minimum 3/4" penetration of fastener through deck from underside of deck

WITHDRAWAL: LUMBER & ENGINEERED WOOD (lbs/in.) ¹							
SPF/HF (0.42)		DF/SP (0.50)		LVL (0.50)		LSL (0.50)	OSB (7/16")
Face Grain	Edge Grain	Face Grain	Edge Grain	Face Grain	Edge Grain	Face Grain	Face
662	497	732	720	540	469	646	284

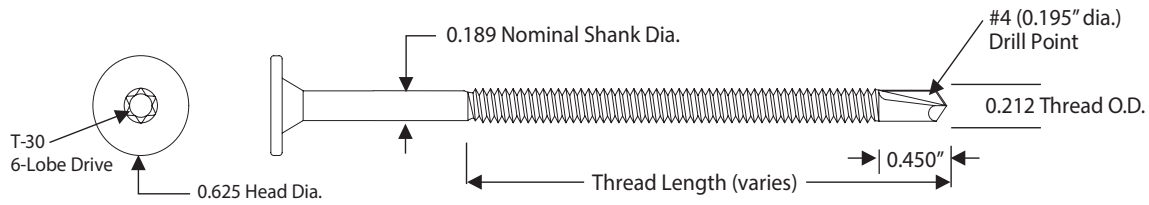
¹ Load values include fastener tip



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PREMIER SIPS HEAVY DUTY METAL SCREWS



All values provided below are average ultimate values. As determined by the project architect/engineer, appropriate safety factors must be used in design.

HEAVY DUTY METAL SCREW PROPERTIES			
Tensile (lbs) AISI S904	Shear (lbs) AISI S904	Bending Yield Strength - Fyb (psi) ASTM F1575	Corrosion Resistance ASTM D6294, ETAG 006
3855	2625	185,000	<15% Red Rust after 30 cycles

WITHDRAWAL: STRUCTURE STEEL (lbs) ¹					
16 ga. (36 ksi)	16 ga. (100 ksi)	12 ga. (50 ksi)	1/8" (36 ksi)	3/16" (60 ksi)	1/4" (60 ksi)
491	794	1255	1454	3098	3814

HEAD PULL THRU (lbs)	
7/16" OSB	SIP
490	630

1. Minimum (3) threads of penetration of fastener through deck as measured from underside of steel

LATERAL LOAD RESISTANCE (lbs)		
Main Member	Side Member	Load
1/8" Structural Steel ¹	8-1/4" SIP	929

1. Minimum (3) threads of penetration through steel as measured from underside of steel



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