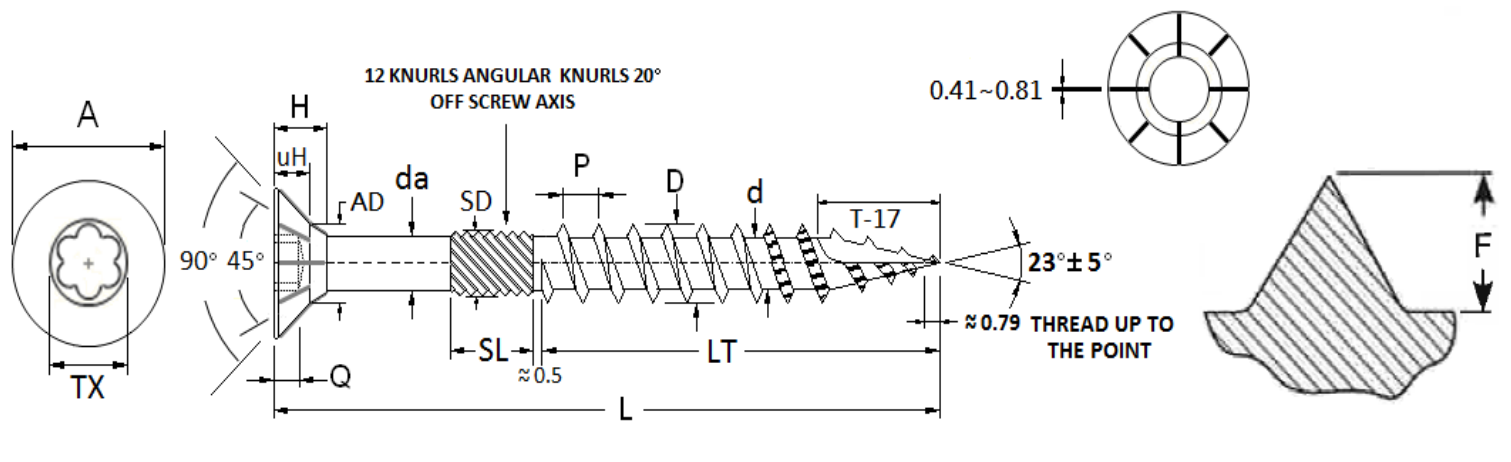


The information below lists the required dimensional, chemical and physical characteristics. If the order received does not meet the requirements; it may result in supplier corrective action, which would jeopardize your status as an approved vendor. Unless otherwise specified, all referenced consensus standards must be adhered to in their entirety.

**Product drawing**



The recess must be centered on the head.

**Product sizing information (Unit : mm)**

**Standard:** ASME B18.6.1 (Table: Dimensions of Threads and Body Diameters of Wood Screws)

**Note:** All dimensions are for the final product after the screws are galvanized and coated

Thread Size	Head Outer Diameter		Diameter at First Countersink	Head Thickness up to First Countersink	Total Head Thickness	Knurled Length	Knurl Thickness	Body Diameter		Major Diameter		Minor Diameter		Thread Depth
	A		AD	uH	H	SL	SD	da		D		d		F
	Min	Max	Ref	Ref	Ref	Ref	Ref	Min	Max	Min	Max	Min	Max	
#8	8.00	8.25	4.04	2.38	3.98	7.62	3.18	3.17	3.45	4.35	4.70	2.80	3.05	1.5 min
#9	8.50	8.76	4.42	2.38	4.19	8.89	3.48	3.45	3.73	4.60	5.00	3.00	3.30	1.6 min
#10	9.27	9.53	4.42	2.38	4.19	8.89	3.81	3.70	3.98	5.03	5.30	3.33	3.55	1.7 min

Thread Size	Recess Type	Recess Depth		Point Type	Point Length	
		Q			Min	Max
	TX	Min	Max			
#8	T-20 Star	1.27	1.65	Type 17 Point	8.71	12
#9	T-25 Star	1.50	1.91	Type 17 Point	8.71	12
#10	T-25 Star	1.50	1.91	Type 17 Point	8.71	12

Nominal Length	Total Length		Thread Length		Pitch
	L		LT		P
	Min	Max	Min	Max	Ref
* #8 X 1-1/4"	30.56	32.75	19.65	22.65	2.54
#8 X 1-5/8"	39.68	41.27	23.90	26.90	2.54
#8 X 2"	49.20	50.80	30.25	33.25	2.54
#9 X 2-1/2"	61.90	63.50	36.60	39.60	2.82
#9 X 3"	73.82	76.20	36.60	39.60	2.82
#10 X 3-1/2"	86.52	88.90	49.30	53.30	2.82
#10 X 4"	99.22	101.60	49.30	53.30	2.82
#10 X 5"	124.62	127.00	62.00	65.00	2.82
#10 X 6"	150.02	152.40	62.00	65.00	2.82

\* For L ≤ 1-1/2" Knurls not needed



**Specification Requirements**

**ASME B18.6.1** (Table: Dimensions of Threads and Body Diameters of Wood Screws)

**Material:** AISI C1022 Carbon Steel or equivalent

**Breaking Torque:**

#8	Min 35 kg-cm
#9	Min 45 kg-cm
#10	Min 55 kg-cm

**Core Hardness:** HRC 36- 45

**Surface Hardness:** HRC 45-62

**Case Hardening Depth:** 0.10 mm ~ 0.23 mm

**Bending Angle:** >15° minimum

**Coating:** Screws must have a coating in accordance to the requirements given below.

All screws must withstand the Minimum Hours in the Salt Spray Chamber. The Salt spray is test conducted as per ASTM B117 – 16. The coating must be compatible for use with all treated lumber.

Please refer the Supplier Quality Manual for sample size, test frequency and the pass/fail criteria.

Screw Grade	Hours in Salt Spray Chamber before failure	Coating Material
Platinum	1500 hours minimum	MAGNI 599 or equivalent*
* Any equivalent coating must be approved by Huttig before shipment		

**Coating Color:**

Huttig Color Name	Magni 599 Color name	Pantone Code	Magni 599 Code
Green	Gray Green	P5615	W75
Red	Redwood	P4705	W52
Brown	Dark Brown	P4625	W137
Bronze	Gold	P126	W129
Gray	Dark Gray	P425	W57
Tan*	-	P111	-

\* Do not use Magni 599 top coat. An equivalent organic top coat with performance matching or exceeding Magni 599 coat should be used with the specified pantone color.