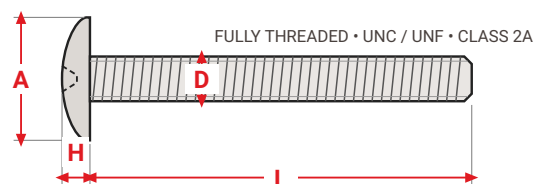
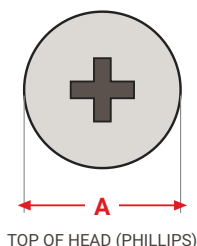




PRODUCT DATA SHEET

Truss Head Machine Screws – Inch Series

1.0 Dimensions As per ASME B18.6.3 (inches) • Phillips drive • zinc plated steel & 18-8 stainless



Nominal Size	Threads per Inch	D	A		H		M		G	N	Phillips Driver Size
		Basic Major Dia. Max	Head Diameter Max	Min	Head Height Max	Min	Recess Diameter Max	Min	Recess Depth Ref	Recess Width Ref	
#4	40	0.1120	0.257	0.241	0.069	0.059	0.112	0.099	0.069	0.018	1
#6	32	0.1380	0.321	0.303	0.086	0.074	0.158	0.145	0.084	0.027	2
#8	32	0.1640	0.384	0.364	0.102	0.088	0.173	0.160	0.099	0.029	2
#10	24	0.1900	0.448	0.425	0.118	0.103	0.188	0.175	0.115	0.030	2
#10	32	0.1900	0.448	0.425	0.118	0.103	0.188	0.175	0.115	0.030	2
#12	24	0.2160	0.511	0.487	0.134	0.118	0.248	0.235	0.128	0.032	3
1/4	20	0.2500	0.573	0.546	0.150	0.133	0.263	0.250	0.143	0.033	3
5/16	18	0.3125	0.698	0.666	0.183	0.162	0.352	0.339	0.193	0.059	4
3/8	16	0.3750	0.823	0.787	0.215	0.191	0.383	0.370	0.226	0.063	4

Notes:

- Length (L) is measured from the underside of the head to the end of the screw.
- Screws are fully threaded. Unified inch threads (UNC / UNF), class of fit 2A per ASME B1.1.
- Phillips recess: M = diameter, G = depth, N = width. Zinc plated 8-32 truss screws are also stocked with a Phillips / slotted combination drive.

1.1 Sizes Stocked Lengths in inches • Phillips drive

Thread	Zinc Plated Steel – Lengths Stocked	18-8 Stainless Steel – Lengths Stocked
6-32	–	3/8", 1/2", 5/8", 3/4"
8-32	1", 1-1/4", 1-1/2", 1-3/4" (<i>Phillips & Phillips/slotted combo</i>)	3/8", 1/2", 5/8", 3/4"
10-24	–	3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2"
10-32	–	3/8", 1/2", 5/8", 3/4", 1"
1/4-20	3/8", 1/2", 5/8", 3/4", 1"	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2"
5/16-18	–	3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"

2.0 Mechanical Properties

2.1 ZINC PLATED STEEL – LOW CARBON STEEL

Material	Tensile Strength Min.	Rockwell Hardness	Grade Marking
Low carbon steel (AISI 1008 – 1022)	60,000 psi	B70 to B100	None

2.2 STAINLESS STEEL – ASTM F593

Type	Nominal Size	Condition	Tensile Strength (ksi)	Yield Strength Min. (ksi)	Rockwell Hardness
18-8 (304)	1/4 to 5/8 incl.	CW1	100 to 150	65	B95 to C32

1 ksi = 1,000 psi. ASTM F593 covers 1/4" and larger; #2 – #12 are cold-worked 18-8 (304) stainless and may be slightly magnetic.

3.0 Surface Finish

Properties	Zinc Plated Steel	18-8 Stainless Steel
Type	Zinc, trivalent (Cr+3) clear • RoHS compliant	Plain, passivated
Color	Clear / bright silver-blue	Natural stainless
Minimum Coating Thickness	0.0001" / 3 microns	–
Specification	ASTM F1941/F1941M Fe/Zn 3AN	Passivated per ASTM A967 or A380

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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