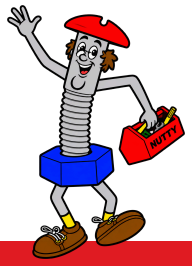
THE NUTTY COMPANY INC
FASTENER SPECIALISTS SINCE 1977

19 Seemans Lane • Milford, CT 06460 USA
203.877.1709 • 1.800.4NUTTY.1 • Fax 203.735.1097
sales@nutty.com • www.nutty.com

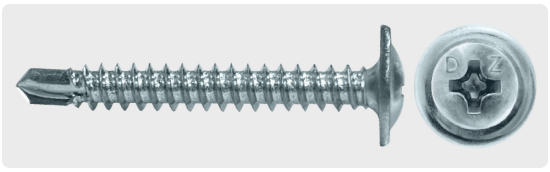


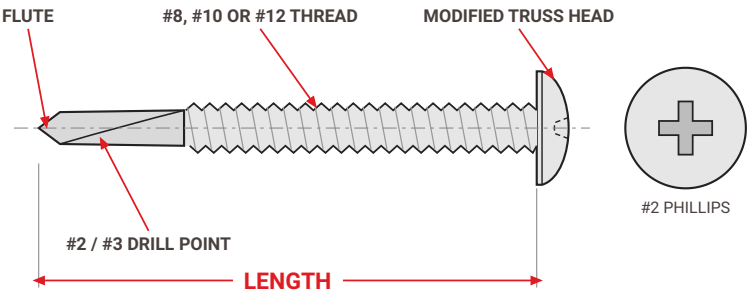
PRODUCT DATA SHEET

Phillips Modified Truss Head Self-Drilling Screws

1.0 Sizes Stocked

Modified truss head • #2 Phillips drive • #2 / #3 drill point • zinc plated





LENGTH FROM UNDER HEAD • MAX DRILL 0.112" (#2) / 0.175"–0.210" (#3)

Diameter	Length	Threads / Inch	Drive	Drill Point	Max Drill Capacity	Nutty Stock #
#8	1/2"	18	#2 Phillips	#2	0.112"	MTTP812
#8	3/4"	18	#2 Phillips	#2	0.112"	MTTP834
#8	1"	18	#2 Phillips	#2	0.112"	MTTP81
#8	1-1/4"	18	#2 Phillips	#2	0.112"	MTTP8114
#8	1-5/8"	18	#2 Phillips	#2	0.112"	MTTP8158
#8	1-7/8"	18	#2 Phillips	#2	0.112"	MTTP8178
#8	2"	18	#2 Phillips	#2	0.112"	MTTP82
#8	2-1/2"	18	#2 Phillips	#2	0.112"	MTTP8212
#8	3"	18	#2 Phillips	#2	0.112"	MTTP83
#10	3/4"	16	#2 Phillips	#3	0.175"	MTTP1034
#10	3-1/2"	16	#2 Phillips	#3	0.175"	MTTP10312
#10	4"	16	#2 Phillips	#3	0.175"	MTTP104
#10	5"	16	#2 Phillips	#3	0.175"	MTTP105
#10	6"	16	#2 Phillips	#3	0.175"	MTTP106
#12	3/4"	14	#2 Phillips	#3	0.210"	MTTP1234

2.0 Performance Ultimate values

Load	Diameter	Steel Thickness Fastened					Min. Torsional Strength (in-lb)
		20 Ga.	18 Ga.	16 Ga.	14 Ga.	12 Ga.	
Tension (lb) – Pullout	#8	247	358	473	616	824	42
Shear (lb) – Bearing	#8	604	935	1,049	1,089	944	
Tension (lb) – Pullout	#10	248	344	482	614	904	61
Shear (lb) – Bearing	#10	614	918	1,195	1,443	1,743	
Tension (lb) – Pullout	#12	267	360	480	669	904	92
Shear (lb) – Bearing	#12	614	918	1,280	1,682	2,191	

Gauge = thickness of the steel being fastened.

3.0 Material & Specifications

Property	Specification
Material	C1022 low carbon steel. Core hardness HRC 32–40
Finish	Zinc plating – 24-hour minimum salt spray corrosion resistance (ASTM B117)
Application	Metal to metal applications
Installation	Screw gun with depth-sensitive nosepiece; speed not to exceed 2,500 RPM (#8, #10) or 1,800 RPM (#12). Overdriving may cause fastener failure or strip-out of the work surface. The fastener is fully seated when the head's bearing surface is flush with the material being attached. Impact drivers are not recommended – they can strip or break the screw.

4.0 Reference Standards

Standard	Description
ICC-ES AC118	Acceptance criteria for tapping screw fasteners used in steel-to-steel connections
ASTM A510	General requirements for carbon steel wire rods (minimum grade 1018)
ASTM B117	Standard practice for operating salt spray (fog) apparatus
ASTM C1513	Steel tapping screws for cold-formed steel framing connections
ASTM C954	Steel drill screws for attaching gypsum panel products or metal plaster bases to steel studs 0.033" to 0.112" thick
SAE J78	Dimensional, mechanical & performance requirements for steel self-drilling tapping screws

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.



Need a size, finish or quantity you don't see?

Call 203.877.1709 or email sales@nutty.com – shop online at nutty.com