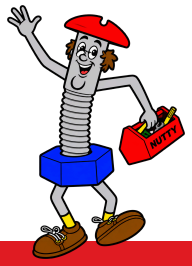
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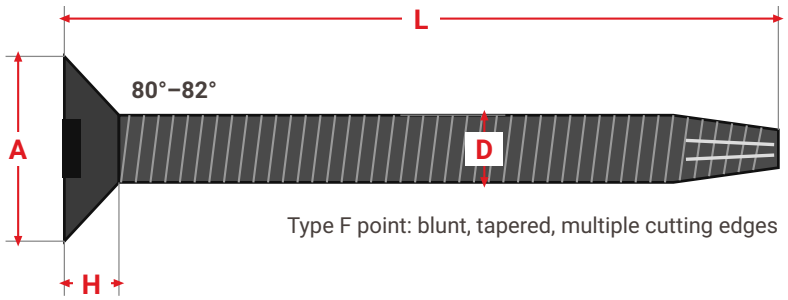
PRODUCT DATA SHEET

Trailer Flooring Screws – Flat Head Torx Type F

1.0 Dimensions

Flat head Torx drive • Type F thread cutting • inches





Type F point: blunt, tapered, multiple cutting edges

Nominal Size	Threads per Inch	D – Major Diameter		A – Head Diameter		H – Head Height	Recess Penetration		Torx Drive	Pilot Drill*	Min. Torsional Strength (lb-in)
		Max	Min	Max Sharp	Abs. Min	Ref	Max	Min			
1/4	20	.2500	.2408	.520	.452	.160	.104	.085	T30	**7/32"**	140
5/16	18	.3125	.3026	.648	.568	.199	.109	.090	T40	**17/64"**	306
3/8	16	.3750	.3643	.762	.685	.230	.109	.090	T40	**21/64"**	560

*Pilot drill size depends on the thickness of the steel being drilled. Length (L) of flat head screws is measured overall, from the top of the head to the end of the point.

2.0 Features

Feature	Benefit
Type F thread cutting point	Blunt point with tapered entering threads and multiple cutting edges cuts its own machine-screw thread in the steel cross member
Machine screw thread	UNC thread pitch for strong, vibration-resistant holding in steel
Flat countersunk head (80°–82°)	Sits flush with the deck surface – nothing to snag freight, forklifts or pallet jacks
Torx (6-lobe) drive	Deep recess transmits high torque without cam-out or stripping
Heat treated steel	Case hardened to Rockwell C45 min. so the threads cut cleanly
Long lengths	Floorboard screws come in longer lengths than standard Type F screws to pass through thick decking

3.0 Sizes Stocked

Thread	Length	Size	Torx Drive	Finish	Nutty Stock #
1/4-20	1"	1/4-20 x 1"	T30	Black Phosphate & Oil	**TRXF14201**
1/4-20	1-1/4"	1/4-20 x 1-1/4"	T30	Black Phosphate & Oil	**TRXF1420114**
1/4-20	1-1/2"	1/4-20 x 1-1/2"	T30	Black Phosphate & Oil	**TRXF1420112**
1/4-20	2"	1/4-20 x 2"	T30	Black Phosphate & Oil	**TRXF14202**
1/4-20	2-1/2"	1/4-20 x 2-1/2"	T30	Black Phosphate & Oil	**TRXF1420212**
1/4-20	3"	1/4-20 x 3"	T30	Black Phosphate & Oil	**TRXF14203**
1/4-20	3-1/2"	1/4-20 x 3-1/2"	T30	Black Phosphate & Oil	**TRXF1420312**
5/16-18	1-1/2"	5/16-18 x 1-1/2"	T40	Black Phosphate & Oil	**TRXF51618112**
5/16-18	2"	5/16-18 x 2"	T40	Black Phosphate & Oil	**TRXF516182**
5/16-18	2-1/2"	5/16-18 x 2-1/2"	T40	Black Phosphate & Oil	**TRXF51618212**
5/16-18	3"	5/16-18 x 3"	T40	Black Phosphate & Oil	**TRXF516183**
5/16-18	3-1/2"	5/16-18 x 3-1/2"	T40	Black Phosphate & Oil	**TRXF51618312**
3/8-16	2"	3/8-16 x 2"	T40	Black Phosphate & Oil	**TRXF38162**
3/8-16	2-1/2"	3/8-16 x 2-1/2"	T40	Black Phosphate & Oil	**TRXF3816212**
3/8-16	3"	3/8-16 x 3"	T40	Black Phosphate & Oil	**TRXF38163**

4.0 Material & Specifications

Property	Specification
Description	A countersunk, Torx drive thread cutting screw with a machine screw thread pitch, a blunt point, tapered entering threads and multiple cutting edges.
Application	Designed for installing wood floors into truck trailers – fastens wood decking to the steel cross members of flatbed, utility and van trailers.
Material	AISI 1016 – 1024 carbon steel or equivalent
Heat Treatment	Quenched in liquid, then tempered by reheating to 650°F minimum
Surface Hardness	Rockwell C45 minimum
Case Depth	1/4" diameter & larger: .005" – .011"
Core Hardness	Rockwell C28 – 38 (after tempering)
Threads	Type F thread cutting – ASME B18.6.4; 2–3 pitch tapered lead
Finish	Black Phosphate & Oil
Length Tolerance	Over 3/4" to 1-1/2": −0.05" • Over 1-1/2": −0.06"
Installation	Drill a pilot hole through the decking and steel using the pilot drill listed in section 1.0. Drill size depends on the thickness of the steel. For best results the steel being tapped should be at least 10–20 Rockwell points softer than the screw.

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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