

TORX PLUS® MAXX FASTENERS

HIGH STRENGTH HOLD & DRIVE SYSTEM

THE BEST FASTENER DRIVE SYSTEM AVAILABLE GETS EVEN BETTER

For years, the TORX PLUS® Drive System has been regarded as the premium standard in fastener drive systems. In fact, the TORX PLUS Drive System has outperformed and outlasted every competitive fastener drive system available.

Now the standard rises even higher with TORX PLUS Maxx High Strength Hold & Drive design. This enhanced, high strength stem drive version of the TORX PLUS Drive System addresses assembly speed, downtime, worker comfort, scrapped and reworked component issues even more effectively. TORX PLUS Maxx High Strength Drive System allows the highest level of torque delivery that can be placed on the end of a fastener or ball stud versus previous design methods.

FEATURES

- Allows a threaded part to be held by the TORX PLUS Maxx stem end while the nut is rotated
- Engineered high-torque solution to holding a stud in place as a nut is tightened
- Drive lobes that extend into the threaded portion of the fastener point and fully engages the drive socket

BENEFITS

- Extremely high level of torque delivery in a small envelope
- Extended tooling life
- Eliminates thread damage and other failures experienced with alternate designs
- Traditional seating torques can be attained on stud products

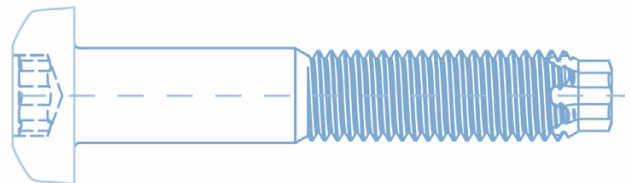


SPECIFICATIONS

- Available for M3.5 (#8) through M24 (7/8") thread sizes

INDUSTRY APPLICATIONS

- Drive Train
- Steering
- Suspension



HIGHEST LEVEL OF TORQUE

TORX PLUS Maxx stems allow the highest level of torque that can be applied to a fastener versus previous design methods. Assembly speed, downtime, worker comfort, scrap and rework are all improved while attaining the tightest joints possible for an improved product.



1304 Kerr Drive • Decorah, IA 52101-2494
voice: 563.382.4216 • fax: 563.387.3326
1-800-544-6117 • infastech.com

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PERFORMANCE SPECIFICATIONS

TORX PLUS® Maxx lobes extend into the conical area of the fastener and assembly tool. This allows typical seating torques equal to 65 – 70% of blind hole torque to be achieved. TORX PLUS stem products typically are capable of achieving 50 – 60% of blind hole torque before failure. TORX PLUS Maxx stems will typically achieve 90 – 95% of blind hole torque before failure.

TP Maxx Size	Fastener Size	Mat'l Prop. Class	Plating		Ave. Failure Torque (Nm)	% of Fastener Torsional Strength	% of TORX PLUS Torsional Strength	Plating		Ave. Failure Torque (Nm)	% of Fastener Torsional Strength	% of TORX PLUS Torsional Strength				
5EPH	M6 x 1.0	10.9	Zinc Electroplate, Trivalent Chromate, Sealer and Lubricant	Max. Tors. Strength of Fastener	21.20	100	NA	Zinc-Rich Inorganic Basecoat with Lubricated Aluminum-Rich Organic Topcoat	Max. Tors. Strength of Fastener	21.20	100	NA				
				Std. TORX PLUS Tors. Strength	13.43	63	NA		Std. TORX PLUS Tors. Strength	13.32	63	NA				
				TORX PLUS Maxx Tors. Strength	20.11	95	150		TORX PLUS Maxx Tors. Strength	20.00	94	150				
7EPH	M8 x 1.25	10.9	Zinc Electroplate, Trivalent Chromate, Sealer and Lubricant	Max. Tors. Strength of Fastener	46.31	100	NA	Zinc-Rich Inorganic Basecoat with Lubricated Aluminum-Rich Organic Topcoat	Max. Tors. Strength of Fastener	46.31	100	NA				
				Std. TORX PLUS Tors. Strength	24.89	54	NA		Std. TORX PLUS Tors. Strength	24.86	54	NA				
				TORX PLUS Maxx Tors. Strength	41.45	90	167		TORX PLUS Maxx Tors. Strength	40.99	89	165				
8EPH	M10 x 1.5	10.9	Zinc Electroplate, Trivalent Chromate, Sealer and Lubricant	Max. Tors. Strength of Fastener	101.87	100	NA	Zinc-Rich Inorganic Basecoat with Lubricated Aluminum-Rich Organic Topcoat	Max. Tors. Strength of Fastener	101.87	100	NA				
				Std. TORX PLUS Tors. Strength	50.33	49	NA		Std. TORX PLUS Tors. Strength	50.13	49	NA				
				TORX PLUS Maxx Tors. Strength	92.06	90	183		TORX PLUS Maxx Tors. Strength	89.65	88	179				
11 EPH	M12 x 1.75	10.9						Zinc-Rich Inorganic Basecoat with Lubricated Aluminum-Rich Organic Topcoat	Max. Tors. Strength of Fastener	171.11	100	NA				
									Std. TORX PLUS Tors. Strength	128.74	75	NA	Std. TORX PLUS Tors. Strength	128.74	75	NA
									TORX PLUS Maxx Tors. Strength	176.28	103	137	TORX PLUS Maxx Tors. Strength	176.28	103	137
12 EPH	M14 x 2.0	10.9	Zinc Electroplate, Trivalent Chromate, Sealer and Lubricant	Max. Tors. Strength of Fastener	288.68	100	NA	Zinc-Rich Inorganic Basecoat with Lubricated Aluminum-Rich Organic Topcoat	Max. Tors. Strength of Fastener	288.68	100	NA				
				Std. TORX PLUS Tors. Strength	170.57	59	NA		Std. TORX PLUS Tors. Strength	170.57	59	NA				
				TORX PLUS Maxx Tors. Strength	262.87	91	154		TORX PLUS Maxx Tors. Strength	259.66	90	152				