

TORX PLUS[®] Maxx

High Strength Hold & Drive System



Acument[®] Global Technologies

Quality first. Engineered to last.[®]

Applied solutions.

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.

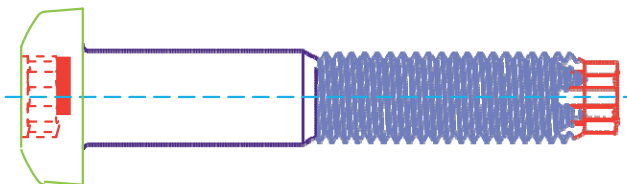
Now the standard rises even higher with TORX PLUS[®] Maxx Hold & Drive design. This enhanced, high strength stem drive version of the TORX PLUS[®] Drive System addresses assembly speed, downtime, worker comfort, scrapped and reworked component issues even more effectively. TORX PLUS[®] Maxx High Strength 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



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The best fastener drive system available gets even better. 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.



Specifications

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

Industry Applications

- Drive Train
- Steering
- Suspension



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TORX PLUS[®] Maxx

High Strength Stem Drive System

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.

Torx Plus Maxx size	Fastener Size	Material Property Class	Plating		Average Failure Torque (Nm)	% of Fastener Torsional Strength	% of Torx Plus Torsional Strength	Plating		Average Failure Torque (Nm)	% of Fastener Torsional Strength	% of Torx Plus Torsional Strength
5 EPH	M6 x 1.0	10.9	Zinc Electroplate, Trivalent chromate, Sealer, and Lubricant	Maximum Torsional Strength of Fastener	21.2	100	NA	Zinc-Rich Inorganic basecoat and a Lubricated Aluminum-Rich Organic Topcoat	Maximum Torsional Strength of Fastener	21.2	100	NA
				Standard Torx Plus Torsional Strength	13.43	63	NA		Standard Torx Plus Torsional Strength	13.32	63	NA
				Torx Plus Maxx Torsional Strength	20.11	95	150		Torx Plus Maxx Torsional Strength	20	94	150
7 EPH	M8 x 1.25	10.9	Zinc Electroplate, Trivalent chromate, Sealer, and Lubricant	Maximum Torsional Strength of Fastener	46.31	100	NA	Zinc-Rich Inorganic basecoat and a Lubricated Aluminum-Rich Organic Topcoat	Maximum Torsional Strength of Fastener	46.31	100	NA
				Standard Torx Plus Torsional Strength	24.89	54	NA		Standard Torx Plus Torsional Strength	24.86	54	NA
				Torx Plus Maxx Torsional Strength	41.45	90	167		Torx Plus Maxx Torsional Strength	40.99	89	165
8 EPH	M10 x 1.5	10.9	Zinc Electroplate, Trivalent chromate, Sealer, and Lubricant	Maximum Torsional Strength of Fastener	101.87	100	NA	Zinc-Rich Inorganic basecoat and a Lubricated Aluminum-Rich Organic Topcoat	Maximum Torsional Strength of Fastener	101.87	100	NA
				Standard Torx Plus Torsional Strength	50.33	49	NA		Standard Torx Plus Torsional Strength	50.13	49	NA
				Torx Plus Maxx Torsional Strength	92.06	90	183		Torx Plus Maxx Torsional Strength	89.65	88	179
11 EPH	M12 x 1.75	10.9	Zinc Electroplate, Trivalent chromate, Sealer, and Lubricant	Maximum Torsional Strength of Fastener	171.11	100	NA	Zinc-Rich Inorganic basecoat and a Lubricated Aluminum-Rich Organic Topcoat	Maximum Torsional Strength of Fastener	171.11	100	NA
				Standard Torx Plus Torsional Strength	128.74	75	NA		Standard Torx Plus Torsional Strength	128.74	75	NA
				Torx Plus Maxx Torsional Strength	176.28	103	137		Torx Plus Maxx Torsional Strength	176.28	103	137
12 EPH	M14 x 2.0	10.9	Zinc Electroplate, Trivalent chromate, Sealer, and Lubricant	Maximum Torsional Strength of Fastener	288.68	100	NA	Zinc-Rich Inorganic basecoat and a Lubricated Aluminum-Rich Organic Topcoat	Maximum Torsional Strength of Fastener	288.68	100	NA
				Standard Torx Plus Torsional Strength	170.57	59	NA		Standard Torx Plus Torsional Strength	170.57	59	NA
				Torx Plus Maxx Torsional Strength	262.87	91	154		Torx Plus Maxx Torsional Strength	259.66	90	152