



Product Bulletin



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TLS Pro

Preset Torque Limiting Screwdriver (Internally Adjustable)

The new TLS Pro torque screwdrivers are an upgrade to our reliable and trusted cam-over torque technology. It's designed to enhance the user experience during the fastening process. The new screwdriver offers the same performance, same quality, same torque results as the old dependable TLS screwdriver. The new modern design of the TLS PRO improves the durability and the ergonomic experience for the assembly operator.

Key Features

- Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789: 2003 (+/- 6% of setting)
- Various models that range from 0.45 to 120 lbf.in.
- Precision radial ball clutch "slips-free" when the preset torque is reached preventing over-torquing.
- Thrust bearings insure that the torque setting is independent of any end load applied by the operator.
- Built with a cam-over design, the accurate torque screwdriver prevents a fastener or bolt from being under and over tightened.
- Tamper-proof internal adjustment. No external adjustment scale - must be preset using a torque analyzer.
- Same internal mechanism as the TLS torque screwdriver. Same cam-over technology, accuracy, quality and durability.
- All models provide bi-directional operation and are calibrated in either the CW or CCW direction.
- Improved ergonomic experience for the operator: lightweight, two touch design, grip and feel of the tool and reduces operator fatigue.
- Durability and less cosmetic damage with paint fading or chipping away.
- ESD compliant model options.
- Quick conversion from ¼ F/Hex to 1/4 Sq Drive with accessory # 020175.
- Quick change of the end cap for color coding identification of the preset torque value. Simply replace the color cap at the end the tools (4 color pack accessory option - Black, Red, Green & Blue)



Accessory

Model: End Caps 4 Color Pack (Black, Blue, Red, Green)
Item # 020718

TLS Pro Models

Model	Item #	Torque Ranges			Drive	Length		Weight	
		lbf.in	N.m	kgf.cm		in.	mm	oz.	gm.
TLS Pro 25	020702	0.45 - 2.2	0.05 - 0.25	0.5 - 2.5	1/4 F/Hex	5.2	132	7.4	210
TLS Pro 150	020703	1.8 - 13	0.2 - 1.5	2 - 15.3	1/4 F/Hex	5.2	132	7.4	210
TLS Pro 450*	020704	4.5 - 40	0.5 - 4.5	5.1 - 45.9	1/4 F/Hex	5.5	140	8.1	230
TLS Pro 1350*	020705	22 - 120	2.5 - 13.5	25.5 - 137.7	1/4 F/Hex	5.5	140	8.1	230

* Supplied with T-Bar

TLS Pro ESD Models

Model	Item #	Torque Ranges			Drive	Length		Weight	
		lbf.in	N.m	kgf.cm		in.	mm	oz.	gm.
TLS Pro 25 ESD	020706	0.45 - 2.2	0.05 - 0.25	0.5 - 2.5	1/4 F/Hex	5.2	132	7.4	210
TLS Pro 150 ESD	020707	1.8 - 13	0.2 - 1.5	2 - 15.3	1/4 F/Hex	5.2	132	7.4	210
TLS Pro 450 ESD*	020708	4.5 - 40	0.5 - 4.5	5.1 - 45.9	1/4 F/Hex	5.5	140	8.1	230
TLS Pro 1350 ESD*	020709	22 - 120	2.5 - 13.5	25.5 - 137.7	1/4 F/Hex	5.5	140	8.1	230

* Supplied with T-Bar



TLS Pro 25 & 150



TLS Pro 450 & 1350



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TLS Pro ESD 25 & 150



TLS Pro ESD 450 & 1350



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TLS Pro to TLS Model Reference Guide

TLS

Minimaster (TLS0022)
 Minor (TLS0135)
 Standard (TLS0406)
 TLS1360

TLS Pro

TLS Pro 25
 TLS Pro 150
 TLS Pro 450
 TLS Pro 1350