

Signal Output Wrenches

Electric Signal Wrench

KEY FEATURES

PR wrenches are designed with a "Push Rod" connected to the mechanism of the wrench. When the wrench achieves its set torque, the rod makes contact with the microswitch housed within the Rotary Switch Module.

Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789:2003

- Tools < 10 N.m (± 6% of setting): MTBN2-PR & MTBN10-PR, TSP5/45-PR, TSP10/90-PR
- Tools > 10 N.m are (± 4% of setting): MTBN25-PR, MTBN65-PR & MTBN135-PR, MTBN200-PR, TSN25D-PR, TSN25A-PR, TSN55-PR, TSN125-PR, STB35-PR & STB70-PR

TSN - PUSH ROD WRENCH (Cam-Over Wrench style)

Model	Item #	Torque Ranges			Length		Square Drive	Weight	
		lbf.ft	N.m	kgf.m	inches	mm		oz.	gm.
TSN25D-PR	020500	2 - 18	3 - 25	0.3 - 2.5	9 3/4	247	1/4"	13.8	390
TSN25A-PR	020504	2 - 18	3 - 25	0.3 - 2.5	9 3/4	247	3/8"	13.8	390
TSN55-PR	020502	10 - 40	15 - 55	1.5 - 5.6	13	328	3/8"	30.1	850
TSN125-PR	020503	30 - 90	40 - 125	4 - 12.7	18 1/4	464	1/2"	50.8	1430

MTBN - PUSH ROD WRENCH (Break-Over Wrench style)

Model	Item #	Torque Ranges			Length		Drive Type	Weight		Break
		lbf.in	N.m	kgf.cm	inches	mm		oz.	gm.	
MTBN2-PR	020538	1.8 - 18	0.2 - 2	2 - 20	5 3/4	147	Captive Pin	5.7	160	20° or 90°
MTBN10-PR	020539	9 - 89	1 - 10	10 - 102	5 3/4	147	Captive Pin	6.4	180	20° or 90°
MTBN25-PR*	020494	44 - 221	5 - 25	51 - 255	10 5/8	270	16mm Spigot	16.3	460	20°
MTBN65-PR*	020495	89 - 575	10 - 65	102 - 663	13 1/2	345	16mm Spigot	29	820	20°
MTBN135-PR*	020505	177 - 1194	20 - 135	204 - 1377	17 1/8	435	16mm Spigot	38.2	1080	20°
MTBN200-PR*	020595	354 - 1770	40 - 200	408 - 2039	21	535	16mm Spigot	51	1450	20°

*Models operate in single direction (clockwise).

STB - PUSH ROD WRENCH (Cam-Over Breaking Wrench style)

Model	Item #	Torque Ranges			Length		Drive Type	Weight		Break
		lbf.ft	N.m	kgf.m	inches	mm		oz.	gm.	
STB35-PR	020575	5.2 - 25	7 - 35	0.7 - 3.5	10	256	16mm Spigot	19.1	540	110°
STB70-PR	020576	14 - 51	20 - 70	2 - 7.1	14 1/2	369	16mm Spigot	34	960	110°

TSP - PUSH ROD WRENCH (Cam-Over Wrench style)

Model	Item #	Torque Ranges			Length		Square Drive	Weight	
		lbf.in	N.m	kgf.cm	inches	mm		oz.	gm.
TSP5/45-PR	020537	10 - 45	1 - 5	10.2 - 51	7 7/8	200	1/4"	8.5	240
TSP10/90-PR	020549	20 - 90	20 - 90	20.4 - 102	7 7/8	200	1/4"	8.5	240



NOTE!

The weight and length does not include the Universal Rotary Switch Module attached to the wrenches.

SIGNAL OUTPUT WRENCHES (Electric Signal Wrenches)

Requires 3 components:



PUSH ROD WRENCH
Item # (Select from above)



UNIVERSAL ROTARY SWITCH MODULE
Item #20-B25900



STRAIGHT CABLE (pictured)
Length 20.5 ft. Item #20-D94402

SPIRAL CABLE
Free Length 5 ft., Max. Extension 19.6 ft.
Item #20-D94406

KEY FEATURES

Push Rod Tools are fitted with a Universal Rotary Switch Module (360° rotating connector prevents twisting or kinking of the cable), which signals when a pre-set torque value is reached.

Signal Output Wrenches can be connected to a Signal Delay Unit (accessory item) to monitor the use of the wrenches as the electrical signal is displayed each time the wrench achieves its pre-set torque value.

Micro-switch contained in internal shock-resistant housing.

Signal Output Wrenches can be interfaced with computers, counters, or gate switch.

Possible use in Production Line Control: Allowing only components with correctly torque fasteners to pass through a work station. This could be a simple matter of actuating a gate switch or signaling a computer controlled work station.

Counting Function: Count the number of times the torque has been applied - check against finished goods.

ACCESSORIES

SIGNAL DELAY UNIT

Item #20-C12870



Designed to exceed the duration of the electrical circuit completed and guarantee interface quality. It minimizes risk of multiple signals caused by rapid use or variable signal duration. The wall mountable box features adjustable signal duration and LED's to monitor the signal.

POWER SUPPLY for SIGNAL DELAY UNIT

Item #81-1060