

Switch Operated Signal Torque Wrenches

Torque range from 0.4 to 200 N.m

Switch Operated Signal Torque Wrenches are process control tools that provide absolute confidence that the correct level of torque has been applied. As well as the Slipping or Breaking Mechanism, that reduces or eliminates the risk of incorrect tightening, the tool also sends a signal each

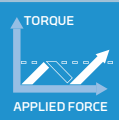
time the wrench achieves its pre-set torque value. This makes these tools suitable for production line control or to provide a counting function, as they can be connected to the customers production systems.



Slipping Mechanism
Incorrect tightening is impossible



Breaking Mechanism
Incorrect tightening is unlikely



INDUSTRY SECTORS

Manufacturing



Switch Operated Signal Torque Wrenches

Ranges: TSP, TSN & TBN

Absolute accuracy and consistency. Accurate process control is ensured by eliminating or reducing under and over tightening, due to the unique Slipping or Breaking Technology

Better production control. These wrenches confirm that the tightening process has been performed by validating that the torque wrenches have operated at a pre-set torque value. A signal is sent upon each successful activation of the wrench, that can be used to control production flow or count completed tightenings

Cost effective. These tools can easily be integrated into most Production Lines as the output signal is simply a switch opening and closing

Ease of use. Tools can be used with confidence by operators at any skill level, due to unique slipping or breaking mechanism

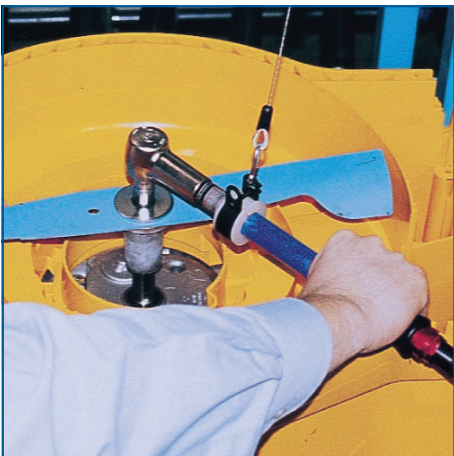
Additional features

A Signal Delay Unit (SDU) can be used to reduce the risk of missing wrench activations by extending the time of the signal output

Two types of cables are available - either a 5 metre, straight cable (Order Code: D94402) or a 1.5 metre coiled cable (Order Code: D94406)

Universal Switch Module (Order Code: B25900) is connected via cable to the Production Line Control System

For End Fittings, see pages 84-86



Signal Delay Unit (SDU)
Order Code: C12870

Order Code	Model	Range		Drive	k mm* >	kg	Repeatability	ISO 6789 Class
		ISO	Imperial					
056093	TSP 5 Sw	1-5 N.m	10-45 lbf.in	1/4"	335	0.53	+/- 6%	2C
056103	TSP 10 Sw	2-10 N.m	20-90 lbf.in	1/4"	335	0.53	+/- 6%	2C
011003	TSN 25 D Sw	5-25 N.m	4-18 lbf.ft	1/4"	366	0.68	+/- 4%	2C
011013	TSN 25 A Sw	5-25 N.m	4-18 lbf.ft	3/16"	366	0.68	+/- 4%	2C
011033	TSN 55 Sw	15-55 N.m	10-40 lbf.ft	3/8"	474	1.14	+/- 4%	2C
011053	TSN 125 Sw	40-125 N.m	30-90 lbf.ft	1/2"	610	1.70	+/- 4%	2C
011103	TBN 2 Sw	0.4-2 N.m	3.5-18 lbf.in	Captive Pin	255	0.45	+/- 6%	2C
011113	TBN 2 G Sw	0.4-2 N.m	3.5-18 lbf.in	9/32"	133	0.13	+/- 6%	2C
011203	TBN 10 Sw	1-10 N.m	9-89 lbf.in	Captive Pin	255	0.47	+/- 6%	2C
011213	TBN 10 G Sw	1-10 N.m	9-89 lbf.in	9/32"	133	0.15	+/- 6%	2C
050003	TBN 25 Sw	5-25 N.m	4-18 lbf.ft	16	415	0.75	+/- 4%	2C
050013	TBN 25 G Sw	5-25 N.m	4-18 lbf.ft	9/32"	415	0.75	+/- 4%	2C
050103	TBN 65 Sw	10-65 N.m	7-48 lbf.ft	16	452	1.09	+/- 4%	2C
050113	TBN 65 G Sw	10-65 N.m	7-48 lbf.ft	9/32"	452	1.09	+/- 4%	2C
050203	TBN 135 Sw	27-135 N.m	18-100 lbf.ft	16	558	1.68	+/- 4%	2C
050213	TBN 135 G Sw	27-135 N.m	18-100 lbf.ft	9/32"	558	1.68	+/- 4%	2C
050303	TBN 200 Sw	40-200 N.m	29-147 lbf.ft	16	670	1.74	+/- 4%	2C
050313	TBN 200 G Sw	40-200 N.m	29-147 lbf.ft	14 x 8	670	1.74	+/- 4%	2C

* Length of tool and switch not including cable