

# Torqueleader TSC Calibrated and TSP Production Slipper Wrenches

A versatile new range of calibrated and production wrenches based on the proven Torqueleader 'slip free' principle.

## TSC Models

Four models covering a torque range of 1 - 10 N.m and 10 - 90 lbf.in.

TSC Calibrated Slipping Wrenches incorporate a micrometer-style fine adjustment with a positive locking system providing fast, easy and accurate setting.

Available with either ISO or Imperial scales.

## TSP Models

Two models covering a torque range of 1 - 10 N.m (10 - 90 lbf.in).

TSP Pre-Set Slipping Wrenches are easily set on a Torqueleader TCA Torque Analyser. Adjustment is made using the 'Double Positive' torque adjustment locking system, ensuring tamperproof setting reliability.

## Automatic resetting

Automatic audible resetting when the wrench 'slips'. Completely eliminates the possibility of overtightening.

## Non-length dependent



Accuracy and repeatability  $\pm 6\%$  of set torque in accordance with the anticipated revision of standard ISO 6789:2003



## Accurate Repeatability

Accurate repeatability for equal tightness every time.

## Fine ratchet head

Robust  $\frac{1}{4}$ " square fine ratchet head with fully enclosed multi-lobe cam mechanism.

## Modern Materials

Stainless steel heads with direction arrow, aircraft spec. aluminium handles and comfortable nitrile rubber grips with dust caps.

## Low maintenance

No special maintenance required.

## Versatile

Designed to operate in any environment, from the toughest engineering production line to the most delicate electrical and electronic assembly areas.

## Options

Available for anti-clockwise use on special request. TSP Wrenches available with electrical switch (Sw) or RF Transceiver to special order.

## Hanging Loops

Optional Hanging Loop End Caps are available to allow use of the TSP models with a lanyard or tool balance (See page 52).

## ESD compliant

See page 40.

## TSC Wrenches

Model	Ordering Code	Range	Increments	Length		Weight		Ratchet	ESD
				mm	in	g	oz		
TSC 5	056020	1 - 5 N.m	0.05 N.m	195	7.68	235	8.3	1/4"	
TSC 10	056040	2 - 10 N.m	0.1 N.m	195	7.68	235	8.3	1/4"	
TSC 45	056060	10 - 45 lbf.in	0.5 lbf.in	195	7.68	235	8.3	1/4"	
TSC 90	056080	20 - 90 lbf.in	1.0 lbf.in	195	7.68	235	8.3	1/4"	

## TSP Wrenches

Model	Ordering Code	Range		Length		Weight		Ratchet	ESD
		N.m	lbf.in	mm	in	g	oz		
TSP 5/45	056090	1 - 5	10 - 45	185	7.28	190	6.7	1/4"	
TSP 10/90	056100	2 - 10	20 - 90	185	7.28	190	6.7	1/4"	