



# CALIBRATED MICROMETER TORQUE WRENCH

3/4"SQ PUSH-THROUGH DRIVE 237-983NM

MODEL NO: STW601

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.**



Refer to  
instruction  
manual



Wear  
safety  
glasses

## 1. SAFETY

- WARNING! DO NOT** use the wrench if damaged or thought to be faulty.  
Ensure all workshop safety rules, regulations and conditions are complied with when using this torque wrench.
- Maintain correct balance and footing. Ensure the floor is not slippery and wear steel toe-capped non-slip shoes / boots.
- Always wear eye protection when using the torque wrench.
- Keep children and unauthorised persons away from the working area.
- Ensure that all hand tools, sockets and extensions are not damaged, use of such items may result in personal injury.
- DO NOT** subject the wrench to excessive force or shocks.
- DO NOT** use the torque wrench to break fasteners.
- DO NOT** use the torque wrench as a hammer or lever bar.
- DO NOT** use extensions on the handle as this may result in damage to the torque wrench and/or cause personal injury.
- DO NOT** drop or throw the wrench.
- DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- DO NOT** leave the wrench in any place exposed to excessive heat, humidity or direct sunlight.
- DO NOT** use organic solvents such as alcohol or thinners to clean the wrench.
- Always back off the pressure after use.
- After use clean with a soft dry cloth and store in a safe, dry, childproof location.

## 2. INTRODUCTION

Manufactured from Chrome Vanadium steel. Hardened and tempered with a chrome plated polished finish. Ratchet head features flip reverse action and push-through drive to allow torquing either clockwise or anticlockwise. Comfort grip with easy-to-use torque adjustment, locks when required setting is selected. Calibration tolerance in accordance with BS EN ISO 6789-1:2017. Suitable for commercial and industrial applications. Scales graduated in both lb.ft and Nm. Individually tested for  $\pm 4\%$  accuracy and issued with an individually numbered calibration certificate. Supplied in storage case with padlock.

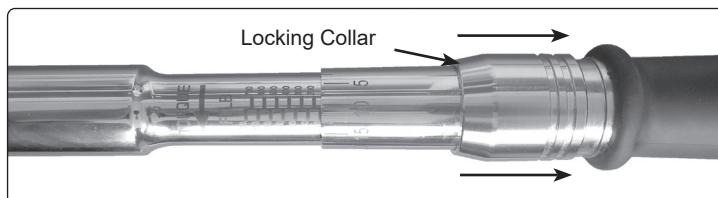
## 3. SPECIFICATION

Model no: ..... **STW601**  
Drive: ..... 3/4" Sq  
Length: ..... 1225mm  
Torque range: ..... 237-983Nm (150-750lb.ft)

## 4. OPERATION

- 4.1. To adjust the torque setting, pull back the locking collar fig.1 and twist the handle clockwise to the required torque.
- 4.2. For right handed threads the push through drive must be as shown in fig.2.
- 4.3. For left handed threads, push the drive through, see fig.3 so that the socket fits onto the same side as the reverse direction switch.
- NOTE:** The wrench will only torque in one direction as marked by the arrow above the torque scale, see fig.1. Ensure that the torque wrench is only used in this direction, failure to do so will mean that the incorrect torque will be applied. The reverse switch should always be in the position shown in fig.2 during the torquing operation.
- 4.4. When using the torque wrench, a click will be heard when the desired torque is reached, **DO NOT** continue to apply pressure once this point has been reached.
- 4.5. When not in use wind the handle back anti-clockwise to release the pressure from the torque wrench.

**fig.1**





**fig.2**



**fig.3**

## 5. CALIBRATION & MAINTENANCE

- 5.1. In order to ensure continued accuracy the torque wrench should be re-calibrated annually and after any impact or other misuse.
- 5.2. The torque wrench is lubricated for life with the exception of the ratchet head, which may require occasional lubrication for smooth operation. Contact your Sealey stockist for any maintenance and re-calibration.



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Lifetime guarantee. Proof of purchase required for any claim.

**Jack Sealey Ltd t/a Sealey Group**, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk, IP32 7AR UK  
**Jack Sealey (EU) Ltd t/a Sealey Group**, Farney Street, Carrickmacross, Co. Monaghan, A81 PK68 Ireland  
Tel: 01284 757500 • Email: [sales@sealey.co.uk](mailto:sales@sealey.co.uk) • Web: [www.sealey.co.uk](http://www.sealey.co.uk)



## TORQUE TOOL CALIBRATION CERTIFICATE

### Declaration of Conformance

(in accordance with BS EN ISO 6789-1:2017)<sup>1</sup>

Test machine type/name	TORQUE TESTER
Test machine serial No.	
Test machine calibration date	
Measurement error <sup>2</sup>	±1%

Measurement uncertainty	0.20%
Ambient temperature	26°C
Humidity	52%
Test units: (Nm, lb/ft etc)	Nm

1	Min Torque:	237	Clockwise
	Max torque:	983	
Target Torque N.m	Maximum Permissible Deviation (± 4 %) N.m		Completed test reading <sup>3</sup>
	Min	Max	
196.6	188.74	204.46	
589.8	566.21	613.39	
983	943.68	1022.32	

2	Min Torque:	237	Anti-clockwise
	Max torque:	983	
Target Torque N.m	Maximum Permissible Deviation (± 4 %) N.m		Completed test reading <sup>3</sup>
	Min	Max	
196.6	188.74	204.46	
589.8	566.21	613.39	
983	943.68	1022.32	

Tool Model Number	STW601
Tool Serial Number	
Tested by (print name)	
Date of test <sup>4</sup>	

**Notes:** <sup>1</sup> Testing is in compliance with International Standard procedures, with test equipment calibrated by a laboratory traceable to International Standards.

<sup>2</sup> Measurement error shall be less than ¼ of the maximum permissible relative deviation of the torque tool.

<sup>3</sup> The observed values fall within the maximum permissible deviation (tolerance). For tools with a flexible head, the result is valid only if the measuring axis is perpendicular to the axis of the tool.

<sup>4</sup> This Sealey Declaration of Conformance is issued at the time of manufacture. Its' validity is open ended until the torque tool is used for the first time. The default re-calibration period of 12 months (or 5,000 cycles, whichever occurs first) starts after first use of the torque tool (BS EN ISO 6789-1:2017, clause 5.3 refers).