



3/4"SQ DRIVE BREAKBACK TORQUE WRENCH

300-1000NM

MODEL NO:STW501.V2

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 eye
protection

1. SAFETY

- ✓ Ensure all workshop safety rules, regulations, and conditions are complied with when using the torque wrench.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ After use adjust to lowest torque setting (but not below), clean and store in a safe, dry, childproof location.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ The wrench is a precision tool, handle with care.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ If it is suspect that the wrench is damaged or faulty, have it checked by Sealey or one of our Service Agents.
- ✗ **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- ✗ **DO NOT** use any cleaner which might affect the high pressure grease with which the wrench is packed.
- ✗ **DO NOT** use torque wrench as a lever bar.
- ✗ **DO NOT** Use with damaged hand tools, sockets, extensions and accessories may result in injury.
- ✗ If the Torque wrench is not kept in calibration this may cause damage to parts or tools.
- ✗ **DO NOT** use extensions on handle as damage to torque wrench will result and will invalidate the Warranty.
- ✗ **DO NOT** Over tighten of fasteners may result in breakage.
- ✗ Handle is not insulated, **DO NOT** use on live electrical or high voltage circuits.
- ✗ **DO NOT** drop or throw the wrench.
- **WARNING! DO NOT** use the wrench if damaged or thought to be faulty. (Contact Service Agent).

2. INSTRUCTIONS

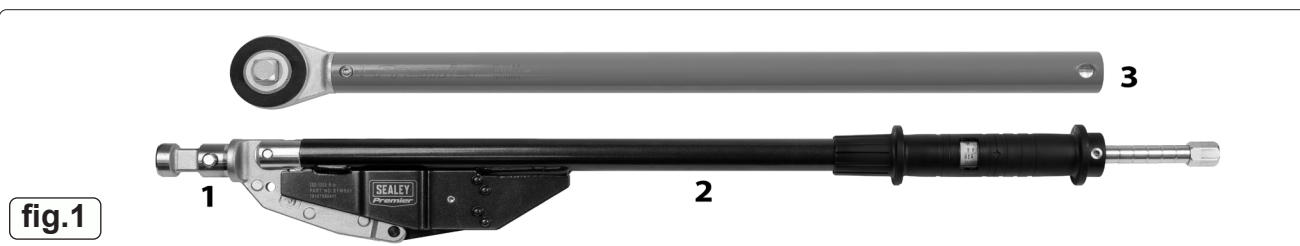
Range 300-1000Nm(200-750lb.ft). Scales graduated in both lb.ft and Nm giving accurate results to $\pm 4\%$. Calibration tolerance in accordance with BS EN ISO 6789:2017. Every wrench is tested and supplied with an individually numbered test certificate. Breakback design significantly reduces the risk of over torquing. Ratchet head features push-through drive to allow torquing either clockwise or anti-clockwise. Comfortable soft grip handle. Supplied with additional tool to drive the external nut at base of grip clockwise/anti-clockwise for easy torque adjustment/setting. Supplied in storage case.

3. SPECIFICATION

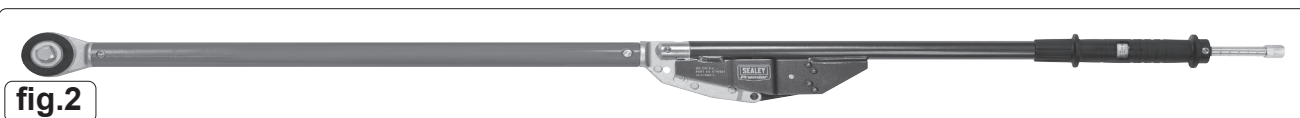
Model No:.....STW501.V2
Drive 3/4"Sq
Length..... 1870mm
Range 300-1000Nm(200-750lb.ft)

Nett Weight:7.40kg

4. ASSEMBLY



Push in Pin locator (fig1.1) and push bar (Fig.1.2) into ratchet head (fig1.3) making sure that the pin clicks into place. The assembled bar will look as in (fig.2).



5. OPERATION

- 5.1. Hold the torque wrench in your left hand (if right handed) so that the required scale on the shaft, just above the hand grip - is uppermost and visible. (fig.3).
- 5.2. Turn the lock handle provided, at the end of the grip (fig.4). Use either nm or lbf.ft scales and set to the required torque then remove handle.



fig.3



fig.4

- 5.3. When tightening the nut/bolt, press down smoothly, you will see the handle 'break' meaning that the torque point has been reached (there is no audible 'click' sound). STOP pressing down. **DO NOT** force the wrench to avoid over-tightening the nut/bolt. The wrench will reset ready for the next application.
- 5.4. In order to change the drive direction see fig.5
- 5.5. After use adjust to lowest torque setting (but not below), clean and store in a safe, dry, childproof location.
NOTE: If the Torque Wrench has not been used for a period of time, operate a few times, ideally at the maximum setting. This can also be completed at target torque, to ensure all internal parts are coated with grease.

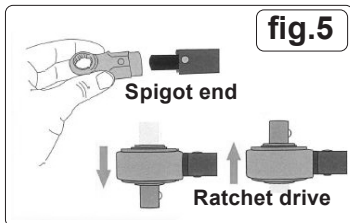


fig.5

Lubrication Points

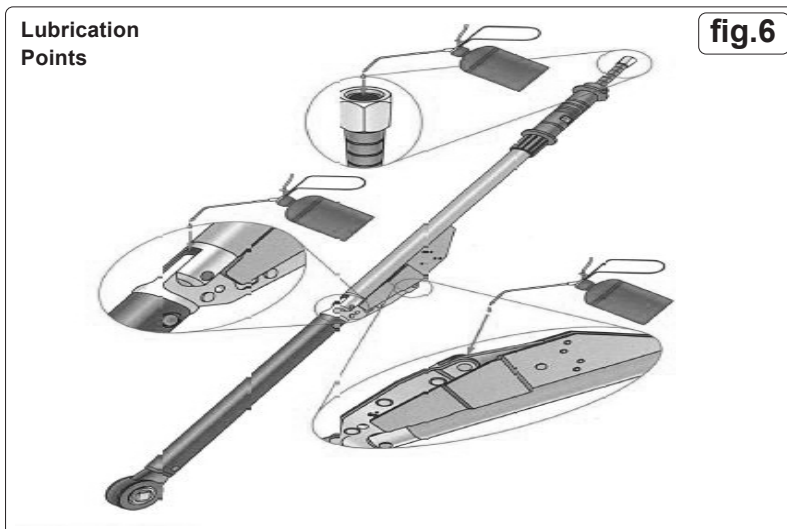


fig.6

6. RECALIBRATION

- 6.1. The default calibration period of 12 months (or 5000 cycles which ever occurs first) starts after the first use of the torque tool (BS EN ISO 6789-1 refers).
- 6.2. Calibration should be checked periodically, depending on use and after any impact or other misuse. Also the interval between tests shall be chosen on the basis such as: maximum permissible deviation, frequency of use, typical load during operation as well as ambient conditions during operation and storage.

7. MAINTENANCE

- 7.1. Lubricate after use see fig.6.



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.



REGISTER YOUR PURCHASE HERE

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

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TORQUE TOOL CALIBRATION CERTIFICATE

Declaration of Conformance

(in accordance with BS EN ISO 6789-1:2017)¹

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

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

1		Min Torque:	300	Clockwise					
		Max torque:	1000						
Test %	Test Load	Tolerance ± 4 % of Test Load		Completed test reading ³					
		Min	Max	1	2	3	4	5	Average
20%	200	192.00	208.00						
60%	600	576.00	624.00						
100%	1000	960.00	1040.00						

2		Min Torque:	300	Anti-clockwise (This part 2 to be completed only where applicable)					
		Max torque:	1000						
Test %	Test Load	Tolerance ± 4 % of Test Load		Completed test reading ³					
		Min	Max	1	2	3	4	5	Average
20%	200	192.00	208.00						
60%	600	576.00	624.00						
100%	1000	960.00	1040.00						

Tool Model Number	STW501.V2
Tool Serial Number	
Tested by (print name)	
Date of test ⁴	

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

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

³ 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.

⁴ 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).