



Instructions for: TORQUE WRENCHES

Model No's: **AK623, AK624 & AK628**

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



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- x Ensure all workshop safety rules, regulations, and conditions are complied with when using torque wrench.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. *Use genuine parts only. Non-authorized parts may be dangerous and will invalidate the warranty.*
- x The wrench is a precision tool, **DO NOT** abuse it.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- **WARNING! DO NOT** use the wrench if damaged or thought to be faulty. (Contact Service Agent).
- x **DO NOT** drop or throw the wrench.
- x **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- x **DO NOT** use any cleaner which might affect the high pressure grease with which the wrench it is packed.
- ✓ After use adjust to lowest torque setting (but not below), clean and store in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATIONS

Heat treated steel ratchet head. Fully hardened and tempered. Chrome plated for corrosion resistance. Calibration tolerance in accordance with BS EN ISO 6789:2003. Every wrench is tested and supplied with an individually numbered test certificate. Micrometer type torque range adjustment with scale graduated in both lb.ft and Nm. Flip reverse ratchet mechanism. Supplied in storage case.

Model No:	AK623	AK624	AK628
Torque Range (lb.ft/Nm):	20-80/27.1-108.5	20-150/27.1-203.5	50-300/67.8-406.8
Drive ("sq.):	3/8	1/2	3/4
Length (mm):	275	465	660

3. OPERATION

- 3.1. Hold torque wrench in one hand so that required scale (lb.ft or Nm) is uppermost and visible.
 - 3.2. Turn knurled lock screw at end of handle anticlockwise to unlock knurled adjusting grip.
 - 3.3. Turn adjusting grip to select torque setting as follows:
 - Required setting - 56lb.ft
 - Turn grip until top edge of grip is level with the 50lb.ft line on the handle scale and the zero graduation on the grip is aligned with the centre line of the handle scale.
 - Rotate the handle further, clockwise, until the '6' graduation on the grip is aligned with the centre line to give a setting of $50 + 6 = 56$ lb.ft.
- Note:** If using the Nm scale then each division on the grip graduation is equivalent to 1.36Nm.
Therefore to set wrench at 100Nm:
- Turn grip until top edge of grip is level with the 94.9Nm line on the handle scale and the zero graduation on the grip is aligned with the centre line of the handle scale.
 - Rotate the handle further, clockwise, until the '4' graduation on the grip is aligned with the centre line to give a setting of $94.9 + (4 \times 1.36) = 94.9 + 5.44 = 100.34$ Nm
- 3.4. Tighten the knurled lock screw at the end of the handle to prevent accidental alteration of the setting.
 - 3.5. When tightening the nut/bolt you will feel and hear the wrench mechanism click when the set torque is reached. Immediately stop applying force to the wrench to avoid overtightening the nut/bolt. The torque wrench will reset ready for the next application.

Note: If the torque wrench has not been used for some time, operate it a few times, at a low setting, to ensure all internal parts are coated in grease.

4. RECALIBRATION

- 4.1. In order to ensure continued accuracy, the torque wrench should be recalibrated annually and after any impact or other misuse. Contact a NAMAS accredited laboratory.

TORQUE WRENCH CALIBRATION CERTIFICATE

Model No's: AK623, AK624, AK628

Serial Number & Certificate Number

Test Machine Serial Number

Tested by

Date

Model No	Test %		Test Load Nm	Tolerance + 4% of Test Load		Test Reading Nm
AK623	Minimum Nm	Maximum Nm	Minimum	Maximum	Minimum	Maximum
	125%	136				Completed
27.1	20%	43	41.6	45.1		
Maximum Nm	60%	76	72.9	79.0		
108.5	100%	109	104.2	112.8		

Model No	Test %		Test Load Nm	Tolerance + 4% of Test Load		Test Reading Nm
AK624	Minimum Nm	Maximum Nm	Minimum	Maximum	Minimum	Maximum
	125%	254				Completed
27.1	20%	62	59.9	64.9		
Maximum Nm	60%	133	127.6	138.3		
203.5	100%	204	195.4	211.6		

Model No	Test %		Test Load Nm	Tolerance + 4% of Test Load		Test Reading Nm
AK628	Minimum Nm	Maximum Nm	Minimum	Maximum	Minimum	Maximum
	125%	509				Completed
67.8	20%	136	130.2	141.0		
Maximum Nm	60%	271	260.4	282.0		
406.8	100%	407	390.5	423.1		

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 will be required for any claim.

INFORMATION: For a copy of our catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.



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