



# INSTRUCTIONS FOR: TORQUE WRENCHES

## Model Nos.: 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

#### 2.1. Introduction

The AK623, AK624 and AK628 Torque Wrenches are precision tools and each is supplied with a calibration certificate. Torque setting is by means of a micrometer type adjuster and the drive head has a reversible ratchet.

#### 2.2. Specifications

	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 left hand (if right handed) so that required scale - pounds feet or Newton metres - 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 = 56lb.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 x 1.36) = 94.9 + 5.44 = 100.34Nm
- 3.4. Tighten lock screw at end of 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 wrench to avoid overtightening the nut/bolt. Wrench will reset ready for the next application.

**Note: If the 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 wrench should be recalibrated annually and after any impact or other misuse. Contact a NAMAS accredited laboratory.