

INSTRUCTIONS FOR: TORQUE MULTIPLIER Model No: AK629

Thank you for purchasing a Sealeys 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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS TOOL 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. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- D WARNING! Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- **WARNING! DO NOT** use the tool if damaged or thought to be faulty (Contact Service Agent).
- ✓ Ensure the work area is clean and tidy and free from unrelated materials and there is adequate lighting.
- **X DO NOT** exceed the rated capacity of the torque multiplier.
- X DO NOT use the torque multiplier for any purpose other than that for which it is designed.
- X DO NOT operate the torque multiplier when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- **X** The torque multiplier 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.
- **X DO NOT** drop or throw the torque multiplier.
- X DO NOT use the torque multiplier unless you have been instructed in its use by a qualified person.
- X DO NOT use the torque multiplier with air or electric impact guns.
- ✓ After use clean and store in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

The AK629 Torque multiplier is robustly constructed with a 1/2" Sq. Drive Female input and a 3/4" Sq. Drive Male output. Multiplication of torque is achieved by a planetary gear train with a ratio of 3.3:1. Compatible with a wide range of drive tools including torque and ratchet wrenches. Adjustable length reaction arm make it ideal for limited access use.

Model:	AK629
Input Drive: .1/2" So Output Drive .3/4" Max. Rated Input: .30 Max. Rated Output: .100 Gear Ratio .100	Square Male 0Nm(225lb.ft) 0Nm(750lb.ft)
Length:	.420-450mm



3. OPERATING INSTRUCTIONS

Please refer to the makers instructions for correct use and setting of the torque wrench.

- 3.1 The AK629 is used in combination with a suitable drive tool, such as a ratchet wrench or torque wrench fitted into the 1/2" female input socket and a suitable size socket fitted onto the male 3/4" drive square (fig.1).
- 3.2 If using a torque wrench, calculate the required input figure for the torque wrench by dividing the torque setting for the fixing by a factor of 3.3 or refer to the quick conversion chart overleaf.
- 3.3 This assembly (fig.2) is now placed on the nut or bolt to be tightened with the reaction arm if possible restrained against some substantial part of the equipment being serviced. Any force applied to the input drive is multiplied by a factor of 3.3 at the output drive of the multiplier. Note: Because the multiplier uses a system of gears, the output drive turns substantially slower than the input drive. When the preset torque setting is reached, the torque wrench mechanism will "click". Stop applying force immediately to avoid overtightening the nut/bolt.
- 3.4 If required the radius arm can be extended or retracted, use a small screwdriver or similar to push in the locking pin whilst twisting the radius arm and simply manoeuvre the arm until the pin relocates as required (fig.3).



4. CONVERSION CHART

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Select the figure in the 'Output required' column that corresponds with the required torque setting for the fixing to be tightened, then simply select the adjacent setting for your torque wrench. If the exact figure does not appear then simply divide your required output figure by 3.3.

 Declaration of Conformity
 We, the sole importer into the UK, declare that the products listed below are in conformity with the following standards & directives.

 AK629 Torque Multiplier
 98/37/EC Machinery Directive

 98/37/EC Machinery Directive
 The construction files for these products are held by the Manufacturer and may be inspected on request by a national authority to Jack Sealey Ltd.

 Signed by Steve Buckle
 Jutter 17th January 2006

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: Guarantee is 12 months from purchase date, proof of which 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.

