



TORQUE MULTIPLIER 1/2" - 3/4"SQ DRIVE

MODEL NO: **AK629**

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 instructions

1. SAFETY

- 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.
- ✗ **DO NOT** exceed the rated capacity of the torque multiplier.
- ✗ **DO NOT** use the torque multiplier for any purpose other than that for which it is designed.
- ✗ **DO NOT** operate the torque multiplier when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ 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.
- ✗ **DO NOT** drop or throw the torque multiplier.
- ✗ **DO NOT** use the torque multiplier unless you have been instructed in its use by a qualified person.
- ✗ **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

Robust construction with 1/2"sq drive female input and 3/4"sq drive male output. Multiplication achieved by planetary gear train with a gear ratio of 1:3.3. Compatible with a wide range of drive tools including torque and ratchet wrenches. Adjustable length reaction arm makes it ideal for limited access use.

***Note:** Breakaway adaptors are not covered by the lifetime guarantee and are treated as consumable items.

3. SPECIFICATION

Model No.....	AK629
Input Drive.....	1/2"SQ(Female)
Output Drive.....	3/4"SQ(Male)
Maximum Rated Input.....	300Nm(225lb.ft)
Maximum Rated Output.....	1000Nm(750lb.ft)
Gear Ratio.....	1:3.3
Torque Ratio.....	1:3.3
Length.....	420-450mm
Breakaway adaptor.....	Part No. AK629.01

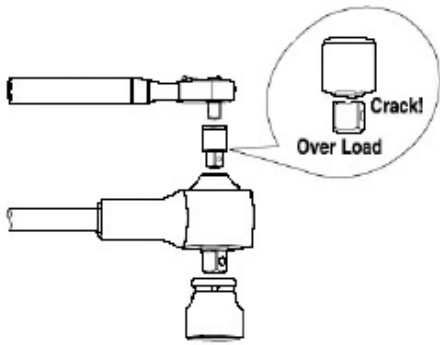
4. OPERATION

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

- 4.1. 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. (Assemble as per fig.1.)
- 4.2. 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.
- 4.3. This assembly 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 (3.3 turns of the drive tool = 1 output turn to nut/bolt). When the preset torque setting is reached, the torque wrench mechanism will 'click'. Stop applying force immediately to avoid overtightening the nut/bolt.
- 4.4. 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.2).

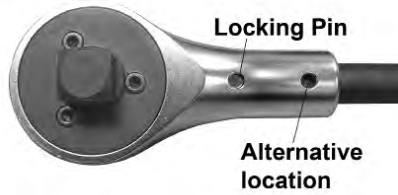
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fig.1



Break-Away Adapter will protect it from harm.

fig.2



Locking Pin

Alternative location



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: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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