QUALITY GUARANTEE & WARRANTY

KENNEDY TOOLS carry a one year manufacturer's warranty.

KENNEDY TOOLS are designed & manufactured to the highest standards & specifications.
Assuring the quality and performance required by all sectors of industry.

KENNEDY TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

AVAILABLE FROM YOUR DISTRIBUTOR

Whilst every effort has been made to ensure the accuracy of information contained in this instruction manual, the Kennedy Tools policy of continuous improvement determines the right to change data, specifications and component parts without prior notice.

KENNEDY TOOLS
Wigston, Leicester, England, LE18 2FS.

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QTORQ
Quality Torque

5:1 TORQUE MULTIPLIER

TM1500 KEN-557-3620K — **MAX TORQUE 1500 Nm**
TM2700 KEN-557-3630K — **MAX TORQUE 2700 Nm**

- Heavy duty construction with square drive female input and square drive male output
- Suitable for use with torque wrenches
- Multiplies the torque applied to the input drive by 5 times
- Ideal for maintenance and servicing applications in automotive and construction industries
- Includes straight reaction bar & reaction arm
- Supplied with carry case



OPERATOR'S MANUAL

Please retain this information for future reference.

MAINTENANCE

1. Inspect the tool for signs of wear and tear and damage before every use. Remove from service if found to be damaged until it is repaired by a qualified person.
2. Do not attempt to repair the tool yourself only a qualified person should repair the tool.
3. We recommend that your torque multiplier tool is calibrated annually **(See section 'service and repair').**
4. To clean the torque multiplier use a clean soft dry cloth only to wipe away any dirt or debris.
5. Store away in case supplied when not in use.
6. Keep dry and clean at all times. Store away in a dry, child free environment.

THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

SERVICE & REPAIR

A comprehensive repair and service facility is available through your local Kennedy agent.





5. Fit your chosen drive tool for example a torque wrench to the female input square drive **(4)**. Also fit a suitable sized socket onto the male output square drive **(5)**. **(See fig 3)**
6. If using a torque wrench calculate the required input figure for the torque wrench by dividing the required torque setting for the fastener by a factor of 5.

   Example:
   Fastener requires a torque of 1200nm/885lb.ft.
   SO: Divide 1200Nm/885lb.ft by 5 = 240Nm/177lb.ft
   (This will be setting required for torque wrench).
7. Once assembled as desired place the tool on the nut or bolt to be fastened, making sure the straight reaction bar **(3)** or the reaction arm **(2)** if possible is restrained against some substantial part of the equipment being serviced **(See fig 4)**

PLEASE NOTE: Any force being applied to the input drive **(4)** is multiplied by a factor of 5 at the output drive **(5)** of the multiplier.



Fig.3

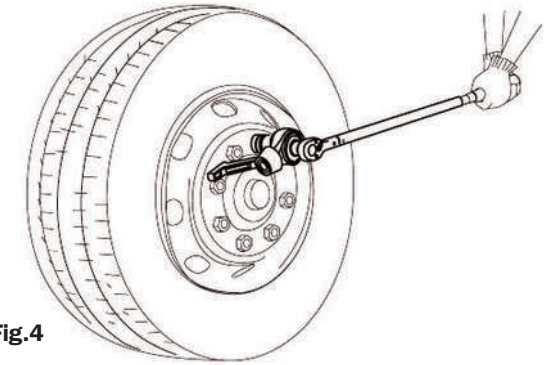


Fig.4

CAUTION: *The torque multiplier uses a system of gears. This means the output drive **(5)** turns substantially slower than the input drive **(4)**. Once the torque setting is reached, the torque wrench mechanism will "Click". Immediately stop applying force to avoid damaging/over tightening of the fastener.*

SAFETY INSTRUCTIONS

You have purchased a Q-TORQ product that is designed for high performance and a long service life. If safety and maintenance procedures are followed and the tool is used correctly it will last for many years.

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 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.
- 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** 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.
- **DO NOT** drop the multiplier or subject the multiplier to heavy blows
- When using torque tools it is possible that fasteners may break or slip. Always stand with both feet on the floor and avoid applying torque in awkward positions
- Always store tools away from dirt, oil and swarf as this can damage mechanisms. Return the multiplier to its case when not in use
- Standard square drive extensions must not be used as this may cause serious damage to the Output Square Drive
- **DO NOT** use impact wrench with torque multiplier
- When torque wrench "clicks" or "Breaks, discontinue use immediately"

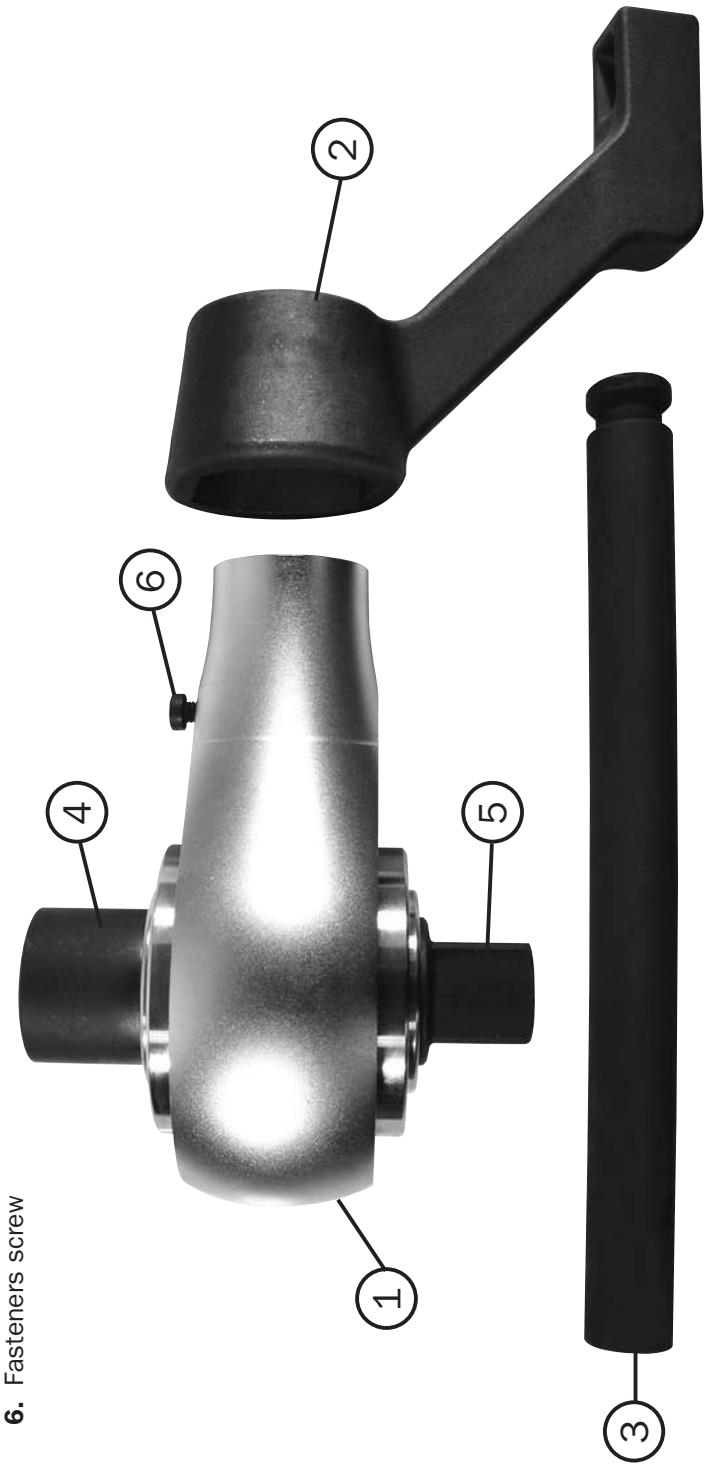
WARNING! Failure to heed safety and warning instructions may result in damage and/or personal injury and will invalidate the warranty.

WARNING! The warnings, cautions and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product but must be applied by the operator.

SPECIFICATIONS

MODEL	TM1500	TM2700
Order code	KEN-557-3620K	KEN-557-3630K
Input drive	½" SQ (Female)	¾" SQ (Female)
Output drive	¾"SQ (Male)	1"SQ (Male)
Max rated input	300Nm (220lb.ft)	540Nm (398lb.ft)
Max rated output	1500Nm (1100lb.ft)	2700Nm (1990lb.ft)
Torque ratio	1:5	1:5
Net weight	6.28kg	6.56kg

IDENTIFICATION



1. Torque multiplier head
2. Reaction arm
3. Straight reaction bar
4. Input square drive (female)
5. Output square drive (male)
6. Fasteners screw

OPERATING INSTRUCTIONS

⚠ WARNING!

DETERMINE THE REQUIRED TORQUE SETTING OF FASTENER BEFORE USE TO AVOID DAMAGE OF WRENCH OR MULTIPLIER.

1. The torque multiplier can be used with either the straight reaction bar **(3)** or the reaction arm **(2)**
2. Remove the fastener screw **(6)** from the neck of the torque multiplier head **(1)**
3. Attach the chosen component and replace the fastener screw **(6)** tightly to secure,
   – Straight reaction bar **(3)** **(See fig 1)**
   – Reaction arm **(2)** **(See fig. 2)**
4. The torque multiplier is used in combination with a torque wrench (not supplied) (Please refer to the manufacturer's instructions for correct use of the tools).

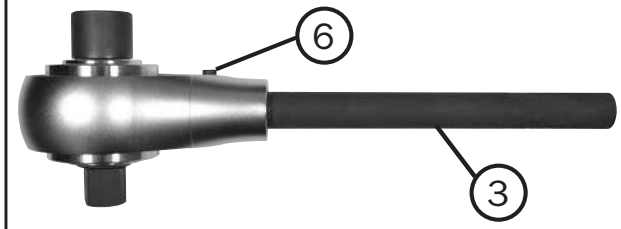


Fig.1

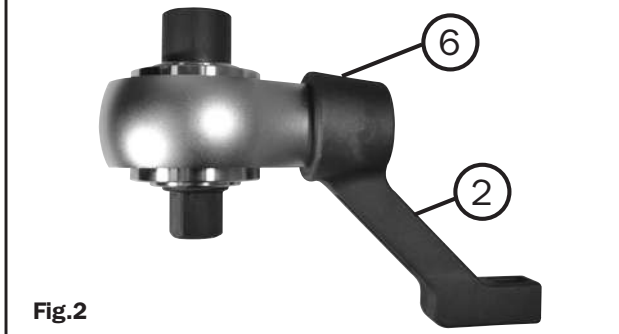


Fig.2

⚠ WARNING!

THE TORQUE MULTIPLIER HAS BEEN DESIGNED TO RECEIVE A MAXIMUM INPUT (PLEASE SEE SPECIFICATIONS TO RELATE TO EACH MODEL PAGE 3) DO NOT EXCEED RATED MAXIMUM INPUT TO AVOID DAMAGE TO THE TORQUE MULTIPLIER HEAD.