KINCROME

Micrometer Torque Wrenches

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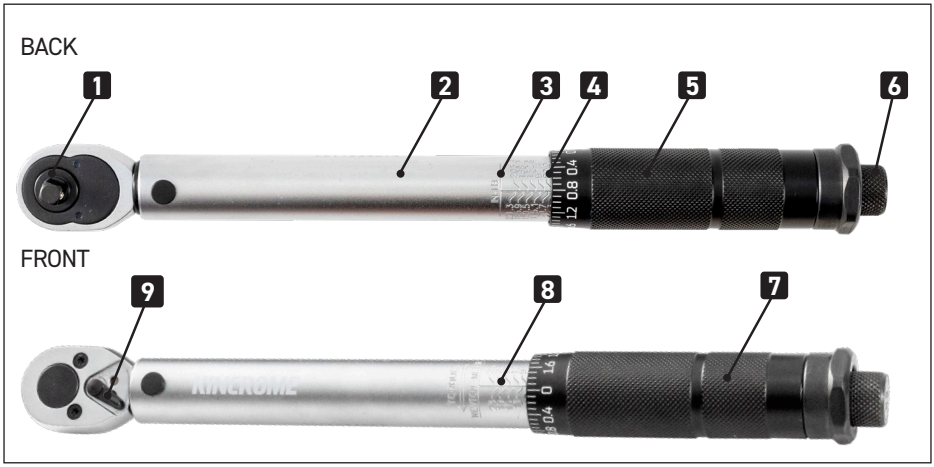
Know Your Product



1. Square Drive
2. Serial Number
3. Inch/Pound Scale | Foot/Pound Scale (MTW200I, MTW150F, MTW80F)
4. Fine Scale
5. Knurled Handle
6. Locking Knob
7. Centre Line
8. N/m Scale
9. Forward / Reverse Lever

NOTE: ONLY MEASURE TORQ IN CLOCKWISE DIRECTION

SPECIFICATIONS

	MTW150F	MTW80F	MTW200I
Drive Size:	1/2" Square Drive	3/8" Square Drive	1/4" Square Drive
Torque Range:	31.0-154.9 ft/lbs	14.8-81.1 ft/lbs	44.3-221.3 in/lbs
	42-210Nm	20-110Nm	5-25Nm
Accuracy:	+/- 4% of Setting*	+/- 4% of Setting*	+/- 4% of Setting*
Tool Length:	450mm	370mm	280mm
Weight:	1.8kg	1.17kg	0.91kg

*This torque wrench is accurate to ±4% of the test load as noted on the supplied certificate of calibration and has been manufactured and tested in accordance with ISO 6789-1:2017. Accuracy outside the stated minimum and maximum test load is not guaranteed.

ED5 February 2023

General Safety Warnings

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury.

Save all warnings and instructions for future reference.

Keep out of reach of Childern

Never apply more torque than the maximum scale reading.

This torque wrench is designed for manual tightening of thread fasteners only.

DO NOT USE IT AS A NUT-BREAKER OR FOR ANY OTHER PURPOSE.

Over torqued or defective fasteners and sockets may suddenly break. TO PREVENT INJURY, KEEP PROPER FOOTING AND BALANCE AT ALL TIMES. DO NOT USE THE WRENCH IN PLACES FROM WHICH YOU MAY FALL OR SLIP, OR AROUND ROTATING MACHINERY.

This torque wrench will not prevent you from applying more torque than set - this is not a torque limiting tool. Do not continue applying torque when preset torque has been reached (audible "Click"). Learn how different amounts of torque 'feel' so you will reduce the possibility of damage and/or injury due to accidental overtorquing.

APPLY FORCE TO THE GRIP ONLY. DO NOT USE 'CHEATER BARS' (A piece of pipe placed over the hand grip).

Always measure torque by pulling on the handle with the centre of the palm of your hand placed over the grip centre line (7).

This tool is NOT "user serviceable" and spare parts are not available. Only a NATA certified calibration laboratory should calibrate this tool.

CAUTION: All torque wrenches should be calibrated at least once a year or every 5,000 cycles, whichever comes first.

Use only sockets with the correct drive and rated to at least the torque that will be applied to it.

Never torque a fastener that is already tightened. Loosen it first, then re-torque to the desired value. The same applies to fasteners that are over-torqued.
This torque wrench DOES NOT provide a torque output reading, when removing a fastener!
CAUTION: Only use a K8035 Digital Torque Adapter, to measure the breaking torque of an existing fastener being removed.
Only use a Ratchet, breaker bar or Spanners to loosen a fastener.

Lifetime Warranty does not cover the cost for periodic calibration of the tool.

A torque wrench is a precision instrument, if you drop, heavily knock or leave a torque measure set on your tool for an extended period of time, will require the calibration checked by an authorized calibration center to verify the tool conforms to the tools noted calibration tolerance %. Failure to do so, could lead to damage of your tool, fastener or goods being worked on and is not covered by the products warranty.

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

How to use your Torque Wrench

WARNING!

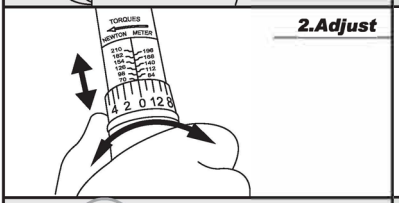
1. DO NOT continue to pull or rotate the torque wrench after the preset torque has been reached (audible "Click"). Use special care at low torque settings as click is less pronounced.
2. Your Torque Wrench is a precision instrument and should be treated as such.
3. Always store your Torque Wrench in the protective blow mould case.
4. Do not attempt to rotate the grip when your desired torque measurement has been selected or locked, or the calibration accuracy maybe effected.
5. Do not rotate grip more than one full turn below the lowest scale or one full turn past the highest scale reading.
6. Always ensure the locking knob is tight before use.
   Always return your wrench to just above zero after use.

Caution: For accuracy, always start setting the Torque Wrench from below the torque figure you require and rotate clockwise/up to the required torque figure. DO NOT set the torque figure by rotating clockwise/ downwards, from a higher torque rating

How to use Torque Wrench

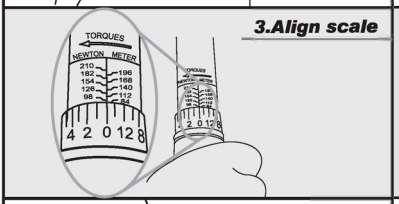
WARNING:! Always use eye protection while using hand tools.

1. Set desired torque, then tighten the locking knob (6) in a clockwise rotation.



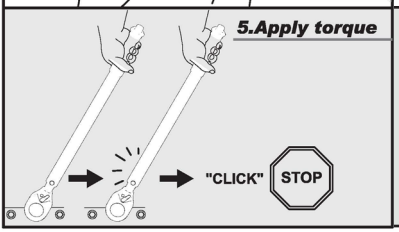
2. Attach the socket to the Square Drive (1) and ensure the Forward / Reverse Lever (9) is set to tighten.

Setting of the Nm scale is done in the same way as above, by necessity, the scale is not calibrated in even numbers, so the setting will be more approximate. Alternatively, use the conversion scale below.



3. Place socket and wrench on bolt/nut and apply slow, gradual force to the torque wrench to tighten the fastener.

4. When the torque setting has been attained, the torque wrench will make a "click" type sound and you should feel a "knock" through the torque handle the same time. Immediately STOP applying force to the torque wrench.
Continuing to apply force after you hear or feel the click notification will over-tighten the fastener.



Conversion Table

Nm	ft/lbs	kgm	Nm	ft/lbs	kgm	Nm	ft/lbs	kgm	Nm	ft/lbs	kgm
5	3.69	0.51	65	47.94	6.63	125	92.20	12.75	185	136.45	18.86
10	7.38	1.02	70	51.63	7.14	130	95.88	13.26	190	140.14	19.37
15	11.06	1.53	75	55.32	7.65	135	99.57	13.77	195	143.82	19.88
20	14.75	2.04	80	59.00	8.16	140	103.26	14.28	200	147.51	20.39
25	18.44	2.55	85	62.69	8.67	145	106.95	14.79	205	151.20	20.90
30	22.13	3.06	90	66.38	9.18	150	110.63	15.30	210	154.89	21.41
35	25.81	3.57	95	70.07	9.69	155	114.32	15.81	215	158.58	21.92
40	29.50	4.08	100	73.76	10.20	160	118.01	16.32	220	162.26	22.43
45	33.19	4.59	105	77.44	10.71	165	121.70	16.83	225	165.95	22.94
50	36.88	5.10	110	81.13	11.22	170	125.39	17.33			
55	40.57	5.61	115	84.82	11.73	175	129.07	17.84			
60	44.25	6.12	120	88.51	12.24	180	132.76	18.35			

Care and Maintenance

1. Ensure the torque wrench is stored at it's lowest setting. Calibration costs are the responsibility of the owner/user.
2. The torque wrench is a precision instrument, and should be stored with care. Don't throw it around, use hammer with it, or use it as pry bar.
3. The torque wrench is lubricated for life and should not be oiled. The only exception is the ratchet head which may be lubricated as needed for smooth operation.
4. The torque wrench is a precision measuring instrument. It is recommended that this tool is recalibrated every 12 months or 5,000 cycles. Kincrome will not be liable for any damage caused from using an uncalibrated or defective torque wrench, as a result of failing to follow the correct maintenance, calibration, storage or handling as advised in this manual.
5. Always store the torque wrench in the box after use to stay away from dirt and humidity.
6. Never disassemble the torque wrench by yourself. For any need to disassemble the torque wrench or repair it, please look for assistance from qualified service station. Any incorrect action to disassemble the torque wrench may result in damage of this instrument.

Office Contact Details

Phone: 1300 657 528 Email: enquiries@kincrome.com.au Fax: 1300 556 005 Website: www.kincrome.com.au

Spare Parts

There are no user spare parts available for these wrenches.

Warranty

12 MONTH WARRANTY

Warranty given by Kincrome Australia Pty Ltd of Lakeview Drive, Carribbean Park, Scoresby, Victoria, Australia (Tel +61 3 9730 7100) If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.