CONVERSION TABLE

Foot Pounds (ft. lbs)	Kilo-gram Metres (Kgm or mkp)	Newton Metres (Nm)	Newton Metres (Nm)	Foot Pounds (ft.lbs)	Kilo-gram Meters (Kgm or mkp)	Kilo-gram Meters (Kgm or mkp)	Newton Meters (Nm)	Foot Pounds (ft. lbs)
5.00	0.69	6.78	10.00	7.38	1.02	1.00	9.81	7.23
10.00	1.38	13.56	20.00	14.75	2.04	2.00	19.61	14.47
15.00	2.07	20.34	30.00	22.13	3.06	3.00	29.42	21.70
20.00	2.76	27.12	40.00	29.50	4.08	4.00	39.23	28.93
25.00	3.46	33.90	50.00	36.88	5.10	5.00	49.04	36.17
30.00	4.15	40.68	60.00	44.26	6.12	6.00	58.84	43.40
35.00	4.84	47.46	70.00	51.63	7.14	7.00	68.65	50.63
40.00	5.53	54.24	80.00	59.01	8.16	8.00	78.46	47.87
45.00	6.22	61.02	90.00	66.38	9.18	9.00	88.26	65.10
50.00	6.91	67.80	100.00	73.76	10.20	10.00	98.07	72.33
55.00	7.60	74.58	110.00	81.14	11.22	11.00	107.88	79.57
60.00	8.29	81.36	120.00	88.51	12.24	12.00	117.68	86.80
65.00	8.98	88.14	130.00	95.89	13.26	13.00	127.49	94.03
70.00	9.67	94.92	140.00	103.26	14.28	14.00	137.30	101.27
75.00	10.37	101.70	150.00	110.64	15.30	15.00	147.11	108.50
80.00	11.06	108.48	160.00	118.02	16.32	16.00	156.91	115.74
85.00	11.75	115.26	170.00	125.39	17.34	17.00	166.72	122.97
90.00	12.44	122.04	180.00	132.77	18.36	18.00	176.53	130.20
95.00	13.13	128.82	190.00	140.14	19.38	19.00	186.33	137.43
100.00	13.82	135.60	200.00	147.52	20.40	20.00	196.14	144.67
105.00	14.51	142.38	210.00	154.90	21.42	21.00	205.95	151.90
110.00	15.20	149.16	220.00	162.27	22.44	22.00	215.75	159.13
115.00	15.89	155.94	230.00	169.65	22.46	23.00	225.37	166.37
120.00	16.58	162.72	240.00	177.02	24.48	24.00	235.37	173.60
125.00	17.28	169.50	250.00	184.40	25.50	25.00	245.18	180.84
130.00	17.97	176.28	260.00	191.78	26.52	26.00	254.98	188.08
135.00	18.66	183.06	270.00	199.15	27.54	27.00	264.79	195.30
140.00	19.35	189.84	280.00	206.53	28.56	28.00	274.60	202.54
145.00	20.04	196.62	290.00	213.91	29.58	29.00	284.41	209.77
150.00	20.73	203.40	300.00	221.29	30.60	30.00	294.22	217.00
155.00	21.42	210.18	310.00	228.67	31.62	31.00	304.03	224.23
160.00	22.11	216.96	320.00	236.05	32.64	32.00	313.84	231.46
165.00	22.80	223.74	330.00	243.43	33.66	33.00	323.65	238.69
170.00	23.49	230.52	340.00	250.81	34.68	34.00	333.46	245.92
175.00	24.19	237.70	350.00	258.30	35.70	35.00	343.35	253.05
180.00	24.88	244.08	360.00	265.68	36.72	36.00	353.16	260.28
185.00	25.57	250.86	370.00	273.06	37.74	37.00	362.97	267.51
190.00	26.26	257.64	380.00	280.44	38.76	38.00	372.78	274.74
195.00	26.59	264.42	390.00	287.82	39.78	39.00	382.59	281.97
200.00	27.64	271.20	400.00	295.20	40.80	40.00	392.40	289.20
205.00	28.33	277.98	410.00	302.58	41.82	41.00	402.21	296.43
210.00	29.02	284.76						
215.00	29.71	291.54						
220.00	30.40	298.32						
225.00	31.09	305.10						
230.00	31.78	311.88						
235.00	32.47	318.66						
240.00	33.16	325.44						
245.00	33.85	332.22						
250.00	34.54	339.00						
260.00	35.88	352.56						
270.00	37.26	366.12						
280.00	38.64	379.68						
290.00	40.02	393.24						
300.00	41.40	406.80						

KENNEDY TOOLS
Wigston Works, Leicester, England.

AVAILABLE FROM YOUR DISTRIBUTOR

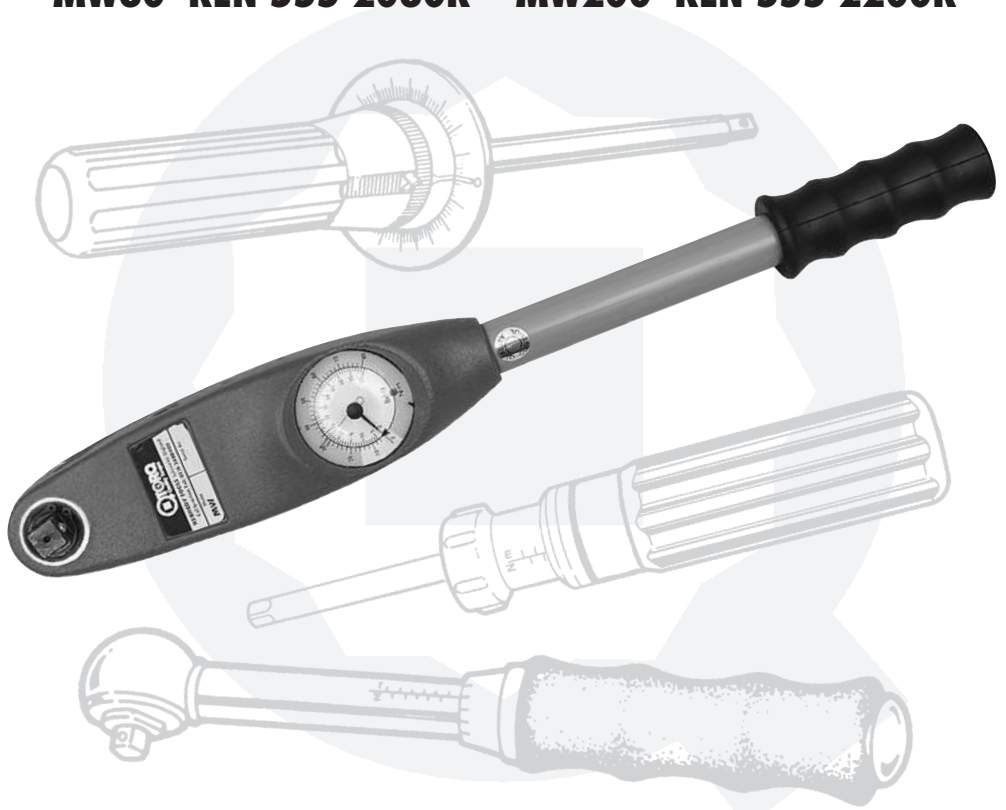
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Made in England

QTORQ Quality Torque

DIAL INDICATING TORQUE WRENCHES

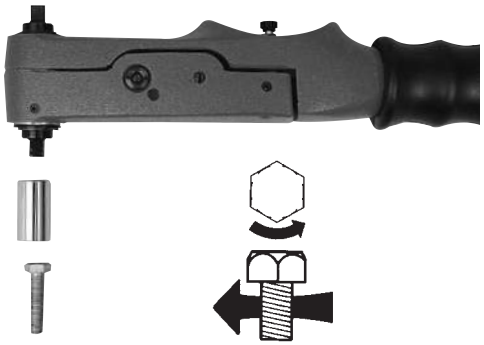
MW80 KEN-555-2080K MW200 KEN-555-2200K



OPERATORS MANUAL

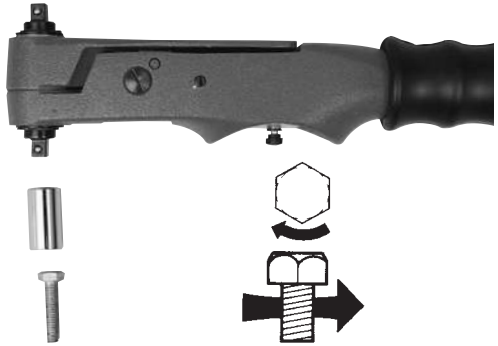
OPERATING INSTRUCTIONS

1



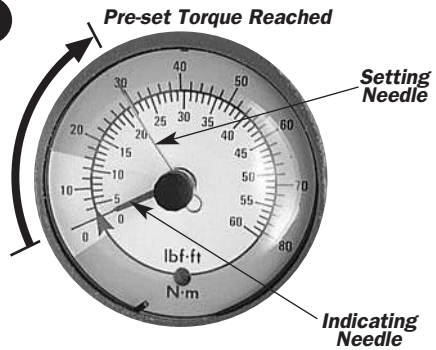
Fix Socket and use to tighten right handed threads.

2



Tightening of left handed threads can be achieved by turning the wrench over and repeating step 1.

3

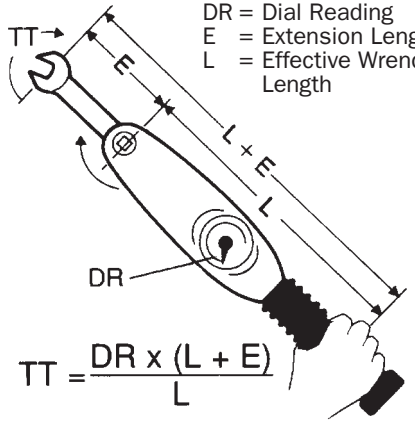


The "indicating" needle displays torque as it is applied. The "setting" needle is used to select and pre-set torque.If the "setting" needle has been used to pre-set torque, the operator must apply torque until the "indicating" needle meets the "setting needle." At this point pre-set torque has been reached.

4

Restricted Access

TT = True Torque
DR = Dial Reading
E = Extension Length
L = Effective Wrench Length



$$TT = \frac{DR \times (L + E)}{L}$$

Please Note: If you use your torque wrench with any kind of extension, the torque applied will be greater than that displayed on the dial. To calculate the increase, the formula indicated *fig 4* should be used.

Dimension L(=)	Model No.
368mm(14.5")	MW80
445mm(17.5")	MW200

MW wrenches are suitable for use with special extension spanners and adaptors.

Extension adaptors enable a wide variety of end fittings to be used.

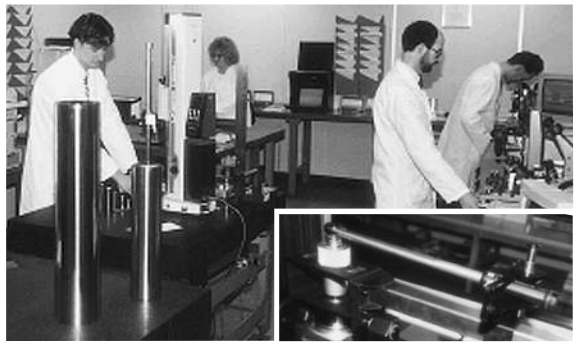
For details of extensions and adaptors please contact you local TORQ Quality Torque Distributor.

You have purchased a TORQ Quality Torque 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.

SAFETY & MAINTENANCE

- Always follow instructions for assembly before operation.
- Ensure your workpiece is firmly held or fixed before commencing work.
- 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.
- The drive part of the tool and any accessories should always be in line with the fastener. Misalignment and uncontrolled movement will affect accuracy.
- Only use the tool on the job that it has been designed for.
- Keep the tool clean by wiping. Never dip in cleaning fluid.
- Always store tools away from dirt, oil and swarf as this can damage mechanisms.
- We recommend that your torque tool be calibrated annually.

All TORQ Quality Torque tools are supplied with a calibration certificate valid for 12 months from date of purchase. (Please retain invoice as proof of purchase.)



UKAS CALIBRATION 0244
CROMWELL metrology

Calibration

Telephone: 0116 257 2338
Fax: 0116 288 8843
Email: metrology@cromwell-tools.co.uk

Manufactured to **ISO 6789: 1992.**

Accuracy: = ±4% of the reading within the effective working range of the tool. *

* **ISO6789: 1992** states the effective working range of the tool is from 20% to 100% of its maximum torque value.

QUALITY GUARANTEE & WARRANTY

TORQ Quality Torque PRODUCTS carry one years manufacturers warranty.

TORQ Quality Torque PRODUCTS are designed & manufactured to the highest standards & specifications
Assuring the quality and performance required by all sectors of industry.

TORQ Quality Torque PRODUCTS 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.