

torque master®

Torque Wrenches



Torque wrench is now a must have tool for all garages and workshops. A torque wrench allows a user to precisely tighten a nut or a bolt to an optimum rotational force or torque.

Advantages of **torque master®** torque wrenches:

- **Extra Heavy Duty:** With the use of **high strength alloy steel** and precise heat treatment the torque wrenches are built to last.
- **Sturdy Storage:** Supplied with an aesthetically pleasing rugged blow molded case for extra care and protection for your valuable tool. #
- **Accuracy:** With a torque tolerance of $\pm 3\%$, the accuracy exceeds any national or international torque standard including ISO 6789: 2003.
- **Three phase mechanism:** Sight, Touch and sound signal unmistakably lets the user know that the torque has been achieved even in noisy environment.
- **Comfort:** The synthetic handle is manufactured by specially selected resin (Up to TM 250/TM 250R) which provides comfort and durability and resists chemicals in automotive and industrial usage.
- **Bi-Directional torque:** Torque can be applied in both right handed and left handed threaded nuts and bolts
- **Available in** both Standard and Ratcheting type. Production type and open end type can be supplied against specific orders.

During development, durability has been on top of our priority, both in terms of the **life of the tool** and the **calibration of the tool**. Full load **torture tests** are carried out on **each and every** torque wrench prior to dispatch. The result is a product that you can use with complete confidence that you have the best tool for the job.

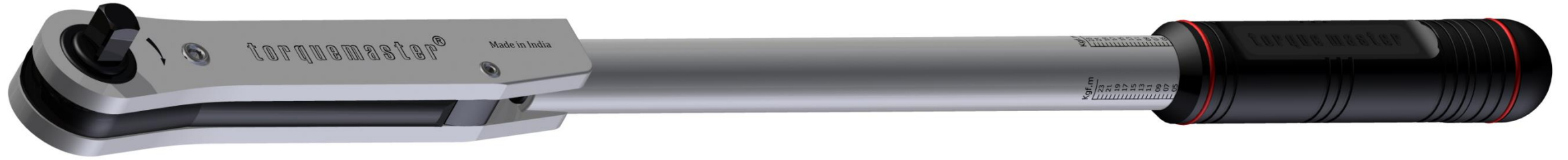


Technical Specifications Non Ratchet Type: *

Model	Square Drive	Range N.M	Least Count	Range Lbf. Ft	Least Count	Range Kgf.mts	Least Count	Range Lbf.Ins	Least Count	Head Width	Head Depth	Approx. OAL at min cap.	Weight Approx.(Kg)
TM 10	3/8"	3-14	.5	2-10	.5	0.2-1.4	0.1	20-120	5	23 mm	33 mm	310mm	0.600
TM 25	3/8"	5-35	2	5-25	1	0.5-3.5	0.2	40-300	10	23 mm	33 mm	340mm	0.700
TM 50	1/2"	10-70	2	8-50	2	1-7	0.2	100-600	20	28 mm	39 mm	470mm	1.00
TM 100	1/2"	25-135	5	20-100	2	3-14	0.5	250-1200	25	28 mm	42 mm	550mm	1.30
TM 160	1/2"	50-220	5	40-160	5	5-23	1	450-2000	50	32 mm	48 mm	615mm	2.40
TM 250	1/2"	70-340	10	50-250	5	7-35	1	600-3000	50	32 mm	48 mm	770mm	2.70
TM 400	3/4"	135-540	15	100-400	10	14-56	1	N. A	N. A	48 mm	62 mm	1025mm	6.50
TM 500	3/4"	135-675	15	100-500	10	14-70	2	N. A	N. A	48 mm	62 mm	1030mm	6.60
TM 600	3/4"	200-815	15	150-600	10	20-84	2	N. A	N. A	48 mm	62 mm	1075mm	7.10
TM 750	3/4"	475-1015	20	350-750	20	49-105	2	N. A	N. A	48 mm	62 mm	1120mm	7.90
TM 750s	1"	475-1015	20	350-750	20	49-105	2	N. A	N. A	48 mm	74 mm	1120mm	8.00
TM 1000	1"	540-1380	40	400-1000	20	55-140	5	N. A	N. A	56 mm	84 mm	1370 mm	13.80
TM 1400	1"	1000-1900	50	1000-1900	25	105-195	5	N. A	N. A	70 mm	84 mm	1410 mm	15.50
TM 2000	1"	1350-2700	50	1350-2700	50	135-275	5	N. A	N. A	70 mm	84 mm	1550 mm	18.00

#For Torque wrenches up to TM 250/TM 250R

*Specifications are subject to change without any prior notice.



Technical Specifications Ratchet Type: *

Model	Square Drive	Range N.M	Least Count	Range Lbf. Ft	Least Count	Range Kgf.mts	Least Count	Range Lbf.Ins	Least Count	Head Width	Head Depth	Swing Arc	Approx. OAL at min cap.	Weight Approx.(Kg)
TM 10R	3/8"	3-14	.5	2-10	.5	0.2-1.4	0.1	20-120	5	38 mm	33 mm	10°	320mm	0.70
TM 25R	3/8"	5-35	2	5-25	1	0.5-3.5	0.2	40-300	10	38 mm	33 mm	10°	350mm	0.80
TM 50R	1/2"	10-70	2	8-50	2	1-7	0.2	100-600	20	43 mm	42 mm	12°	470mm	1.10
TM 100R	1/2"	25-135	5	20-100	2	3-14	0.5	250-1200	25	43 mm	45 mm	12°	560mm	1.60
TM 160R	1/2"	50-220	5	40-160	5	5-23	1	450-2000	50	43 mm	48 mm	12°	620mm	2.50
TM 250R	1/2"	70-340	10	50-250	5	7-35	1	600-3000	50	49 mm	52 mm	12.8°	780mm	3.10
TM 400R	3/4"	135-540	15	100-400	10	14-56	1	N.A	N.A	70 mm	62 mm	12.8°	1095mm	7.30
TM 500R	3/4"	135-675	15	100-500	10	14-70	2	N.A	N.A	70 mm	62 mm	12.8°	1100mm	7.40
TM 600R	3/4"	200-815	15	150-600	10	20-84	2	N.A	N.A	70 mm	62 mm	12.8°	1145mm	7.90
TM 750R	3/4"	475-1015	20	350-750	20	49-105	2	N.A	N.A	80 mm	72 mm	12.8°	1200mm	9.00
TM 750sR	1"	475-1015	20	350-750	20	49-105	2	N.A	N.A	80 mm	74 mm	12.8°	1200mm	9.10
TM 1000R	1"	540-1380	40	400-1000	20	55-140	5	N.A	N.A	100 mm	84 mm	12.8°	1470 mm	18.80
TM 1400R	1"	1000-1900	50	1000-1900	25	105-195	5	N.A	N.A	100 mm	84 mm	12.8°	1510 mm	17.50
TM 2000R	1"	1350-2700	50	1350-2700	50	135-275	5	N.A	N.A	100 mm	84 mm	12.8°	1650 mm	20.00

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Usage Instructions and manual



1) Pull out the knob as shown.



2) Turn the Knob 90° as shown.



2) Turn the knob clockwise until the desired reading is reached on the scale



4) Push the Knob back to its original position



5) Insert the socket on the torque wrench and start applying the torque in the direction of arrow.



6) Stop applying the force once the click sound is heard.

7) Return the scale to minimum position after usage and store the torque wrench in the box.