



TQ Thumb Wheel Series

Wrenches feature an innovative design that provides consistently accurate readings and rugged, trouble-free performance. A unique "split-beam" measuring element provides the accuracy and eliminates the heavy coil spring used in conventional click-type wrenches, which makes for fewer moving parts, reducing friction and wear to a minimum. Fast setting of the desired torque is easily accomplished by rotating the micrometer-style adjustment knob until the required value is displayed in the torque window. Designed for measuring torque in a clockwise direction only. Wrenches are not reversible.

- Flex-ratchet models offer sealed Snap-on® ratchets, which flex up to 15° to provide knuckle and obstruction clearance.
- Ratchet models have the same strong sealed ratchet head, but ratchet heads are rigidly fixed in line with the torque body.

Guaranteed Accuracy:

TQ Series—Within ±4% of any clockwise setting from 20% of full scale to full scale.
TQR400E/TQR600E Only: ±4% of setting when used in the following orientations:
Main body vertical orientation. Torque wrench square drive axis with vertical orientation. In all other positions, guaranteed accuracy is ±5%. Accuracy is guaranteed in the clockwise direction from 20% of capacity to full capacity.

U.S. Reading Torque Wrenches with Conversion Scale

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Gear Action	Range,		Increments	Length, inches	Head Width, inches	Head Depth, inches	Ratchet Service Kit
3/8	TQFR50E**	Flex-Ratchet	36	10°	100 in. lb.	600 in. lb.	10 in. lb.	18 3/8	1 3/32	5/8	RKRF936
	TQFR100E**	Flex-Ratchet	36	10°	20 ft. lb.	100 ft. lb.	2 ft. lb.	18 3/8	1 3/32	5/8	RKRF936
1/2	TQFR250E**	Flex-Ratchet	36	10°	40 ft. lb.	250 ft. lb.	5 ft. lb.	22 3/8	1 3/8	3/4	RKRS936
3/4	TQR400E†**	Detach-Ratchet	32	11°	130 ft. lb.	400 ft. lb.	10 ft. lb.	38 3/8	2 1/2	1 1/4	RKRQC4
	TQR600E†**	Detach-Ratchet	32	11°	200 ft. lb.	600 ft. lb.	10 ft. lb.	48 3/8	2 1/2	1 1/4	RKRQC4

Newton Meter Torque Wrenches with Conversion Scale

3/8	TQFRN68E**	Flex-Ratchet	36	10°	14 N•m	68 N•m	2 N•m	18 3/8	1 3/32	5/8	RKRF936
	TQFRN130E**	Flex-Ratchet	36	10°	25 N•m	130 N•m	5 N•m	18 3/8	1 3/32	5/8	RKRF936
1/2	TQFRN350E**	Flex-Ratchet	36	10°	60 N•m	350 N•m	5 N•m	22 3/8	1 3/8	3/4	RKRS936

*Does not include square drive dimension.

**Not Reversible

†Four-piece construction disassembles for storage or transport.



WARNING

- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Do not force head against flex stops.
- Frequently inspect, clean, and lubricate ratchet mechanism with light oil.



- Do not replace worn parts individually; use entire contents of the service kit.
- Periodic recalibration is necessary to maintain accuracy of any torque wrench. Recalibrate every 6 months or more depending on use. ASME B107.14M specifies that accuracy is maintained through 5000 cycles for click-type torque wrenches.
- Read additional safety precautions on pages M1 to M4, CAT700.

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