

**Torque Tools**

Our torque wrenches are made in the US where the best torque products come from. Each unit is factory calibrated and certified to meet accuracy specified in ASME on a torque standard traceable to the National Institute of Standards (NIST).

Designs like the sealed high strength ratchet head keeps out dirt and moisture in the harshest environment giving you a reliable tool that constantly deliver accurate results. Its internal mechanism is also permanently lubricated during assembly for a trouble free service life. You can thus be assured of accuracy, reliability and maintenance-free equipment when getting our torque products.

**Torque Tools**

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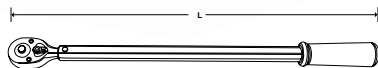
Adjustable Click Type Torque Wrench



- Dual scale, calibrated dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Most feature quick release buttons which provide good socket retention as well as easy socket removal
- Accuracy:  $\pm 3\%$  CW  $\pm 4\%$  CCW of indicated value, CW, from 20% to 100% of full scale
- Meets or exceeds ASME B107.14-2004, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.

Stock No.	Square Drive (inches)	Range (Nm)	Increase ment (Nm)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (g)
BP501NMRMH	1/4	1.4 - 5.4	0.06	258	27	24	27	386
BP2502NMRMH	3/8	4.0 - 27.7	0.12	286	27	24	27	431
BP602NMRMH	3/8	10 - 60	0.5	406	36	30	36	1,134
BP1002NMRMH	3/8	20 - 100	0.5	406	36	30	36	1,134
BP2003NMRMH	1/2	40 - 200	2	483	43	36	36	1,474
BP3403NMRMH	1/2	60 - 340	2	620	43	36	36	1,542
BP8004NMRMH	3/4	150 - 800	5	1,067	64	53	36	5,375
BP15005NMRMH	1	300 - 1500	10	1,778	76	76	38	11,385

Pre-set Click Type Torque Wrench, Ratcheting

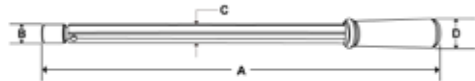


- Torques in both left and right hand directions
- Automatic re-set when force on handle is released
- Torque limiting positive sensory "click" when pre-set
- Smooth knurled steel hand hold for comfortable, safe grip
- Handle length proportioned to torque range of wrench for minimum user fatigue
- Tamper proof torque setting for production line use
- Torque values can be calibrated in English and Metric settings
- All parts are made of alloy steel for maximum life and calibration retention
- Square drives meet industrial requirements and government specifications

Stock No.	Square Drive (inches)	Range (Ft.Lb.)	Range (In.Lb.)	Range (M Kg)	Range (Nm)	Length (mm)	Weight (g)
BPST-1R	1/4	1 - 5	12 - 60	0.10 - 0.70	2 - 7	165	227
BP10T-2R	3/8	3 - 9	36 - 108	0.42 - 1.24	4 - 12	184	397
BP50T-2R	3/8	10 - 50	120 - 600	1.25 - 7.00	13 - 67	292	680
BP100T-3R	1/2	45 - 150	540 - 1800	6.00 - 20.00	60 - 200	502	1,247
BP200T-3R	1/2	45 - 200	540 - 2400	6.00 - 27.00	60 - 270	603	1,361
BP300T-4R	3/4	100 - 300	1200 - 3600	14.00 - 42.00	140 - 420	711	2,155
BP600T-4R	3/4	200 - 600	2400 - 7200	28.00 - 83.00	280 - 830	1,321	5,443



Pre-set Click Type Torque Wrench, Interchangeable Head



- Eight models available with torque ranges from 10 in. lbs. to 600 ft. lbs.
- Featuring a durable, non-slip cushion grip
- Uses universal round shank heads
- Audible click and feel impulse torque control mechanism
- Tamper proof torque setting for production line use
- Torque values can be calibrated in english or metric setting
- Accuracy:  $\pm 4\%$  of indicated value, from 20% to 100% of full scale
- Meets or exceeds ASME B107.14-2004, ISO 6789
- Calibration certificate available at additional cost

Stock No.	Shank Size	English Range	Range (Nm)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (g)
BP5T-I	J	10 - 50 in.lb.	1.1 - 5.6	165	16	15	25	159
BP10T-I	J	50 - 250 in.lb.	5.6 - 28	254	16	15	25	249
BP105T-I	J	60 - 300 in.lb.	6.8 - 34	157	17	22	36	340
BP50T-I	J	15 - 75 ft.lb.	20 - 102	279	17	22	36	635
BP100T-I	Y	30 - 150 ft.lb.	41 - 203	495	24	22	36	1,043
BP200T-I	Y	40 - 200 ft.lb.	54 - 271	597	24	22	36	1,179
BP300T-I	X	100 - 300 ft.lb.	135 - 406	704	28	25	36	1,769
BP600T-I*	Z	120 - 600 ft.lb.	162 - 814	1,397	38	32	32	4,740

Ratcheting Interchangeable Head



Center of fastener to retaining pin:  
\* J Series - 2.50"  
\* Y Series - 3.00"  
\* X Series - 4.50"  
\* Z Series - 5.75"

- Allow use of torque wrenches bodies above with sockets, crowfoot wrenches, or other similar attachment

Square Drive (inches)	Shank Size J	Shank Size Y	Shank Size X	Shank Size Z	Head O.D. (mm)	Depth (mm)	Ratchet Service Kit
1/4	QJD8A-72* (350)	—	—	—	3	3.5	RKRT936
3/8	QJD12A* (900)	QYD12A* (1,200)	—	—	17	4.4	RKRF936
1/2	QJD16A* (900)	QYD16A* (2,400)	QXD16A* (3,000)	—	17	4.4	RKRS936
3/4	—	—	QXD24A (3,600)	QZD24B (7,200)	20	4.4	RKRQC4
1	—	—	QXD32A (3,600)	QZD32B (7,200)	20	4.4	RKRQC5

\* U.S. Patent 6,125,722 applies to these ratchet heads  
Value in parentheses in chart is the Maximum Recommended Working Torque, in. lb.




WARNING



• Do not exceed rated torque • Do not use to break fasteners loose  
• Periodic recalibration is necessary to maintain accuracy • Read safety precautions on page 152



Open End Head, mm



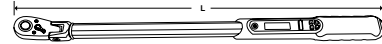

Center of fastener to retaining pin:  
\* J Series - 2.50"  
\* Y Series - 3.00"  
\* X Series - 4.50"  
\* Z Series - 5.75"

- Allow use of torque wrenches bodies above with sockets, crowfoot wrenches, or other similar attachment

mm	Shank Size J	Shank Size Y	Shank Size X	Shank Size Z	Head O.D. (mm)	Head Depth (mm)
6	QJOM6A (60)	—	—	—	13.5	3.6
7	QJOM7A (75)	—	—	—	13.5	3.6
8	QJOM8A (120)	—	—	—	16.5	3.3
9	QJOM9A (170)	—	—	—	19.8	4.8
10	QJOM10A (265)	—	—	—	19.8	4.8
11	QJOM11A (400)	—	—	—	22.9	5.6
12	QJOM12A (430)	—	—	—	26.9	6.1
13	QJOM13A (495)	—	—	—	26.9	6.1
14	QJOM14A (665)	QYOM14A (665)	—	—	29.5	6.6
15	QJOM15A (885)	QYOM15A (885)	—	—	33.3	6.9
16	QJOM16A (900)	QYOM16A (1,060)	—	—	33.3	6.9
17	QJOM17A (900)	QYOM17A (1,235)	—	—	37.1	7.3
18	QJOM18A (900)	QYOM18A (1,375)	QXOM18A (1,375)	—	37.1	7.3
19	QJOM19A (900)	QYOM19A (1,650)	QXOM19A (1,650)	—	40.4	7.6
20	—	QYOM20A (1,925)	QXOM20A (1,925)	—	43.7	9.2
21	QJOM21A (900)	QYOM21A (2,160)	QXOM21A (2,160)	—	43.7	9.2
22	QJOM22A (900)	QYOM22A (2,400)	QXOM22A (2,470)	—	43.7	9.2
23	QJOM23A (900)	QYOM23A (2,400)	QXOM23A (2,745)	—	47	10
24	QJOM24A (900)	QYOM24A (2,400)	QXOM24A (2,970)	QZOM24A (2,970)	49	11
25	QJOM25A (900)	QYOM25A (2,400)	—	QZOM25A (3,295)	52	11
26	QJOM26A (900)	—	QXOM26A (3,570)	QZOM26A (3,570)	53	11
27	QJOM27A (900)	QYOM27A (2,400)	—	QZOM27A (3,825)	55	12
29	—	QYOM29A (2,400)	QXOM29A (3,600)	QZOM29A (4,550)	58	12
30	—	QYOM30A (2,400)	QXOM30A (3,600)	QZOM30A (4,950)	61	13
32	—	QYOM32A (2,400)	QXOM32A (3,600)	QZOM32A (5,755)	65	14
34	—	QYOM34A (2,400)	QXOM34A (3,600)	QZOM34A (6,595)	68	14
36	—	QYOM36A (2,400)	QXOM36A (3,600)	QZOM36A (7,200)	74	15

Value in parentheses is the Maximum Recommended Working Torque, in. lb.

Computorq 3 Digital Torque Wrench



- Sleek new design
- 15-degree flex ratcheting head
- Push button socket release head
- Large, easy to read digital display
- Long battery life, uses 2 each CR123 lithium batteries
- Ergonomically designed molded non-slip rubber grip
- Torques in both clockwise and counterclockwise directions
- Battery saving auto-shutoff after two minutes
- COMPUTORQ 3 remembers last unit and torque setting selected
- Audible tone sounds when set torque value is reached, if the set torque value is exceeded, an alarm tone will sound
- 3 color LED light bar
  - YELLOW LED indicates approaching desired torque setting
  - GREEN LED indicates desired torque value is reached
  - RED LED indicates fastener was overtorqued, loosen and retighten
- When desired torque value is reached, display will hold value and fl ash for ten seconds
- COMPUTORQ 3 will operate in any of four torque units, foot pounds (ft. lbs.), inch pounds (in. lbs.), newton meter (Nm) or kilogram centimeter (kg. cm.)
- ACCURACY:**
  - ± 2% CW of readings from 20% to 100% of full scale
  - ± 3% CCW of readings from 20% to 100% of full scale
- N.I.S.T. traceable certificate of calibration included
- Meets or exceeds ASME B107.28 - 2005

Stock No.	Square Drive (inches)	Range (Ft. Lb.)	Range (In. Lb.)	Range (Nm)	Range (Kg. Cm.)	Length (mm)	Weight (g)
BP2401C3	1/4	2.0 - 20.0	24 - 240	2.71 - 27.10	27.6 - 276	381	910
BP1002CF3	3/8	10.0 - 100.0	120 - 1200	13.6 - 135.6	138 - 1382	432	1,000
BP2503CF3	1/2	25 - 250	300 - 3000	33.8 - 338	345 - 3456	686	1,590

Digital Torque Tester



- Integral Transducer and sturdy housing allow mounting in virtually any position
- Integral Transducer: Full bridge strain gage, 350 ohm, 1500uE, 3mV/V F.S, 3.75 excitation
- Units of Torque: Nm, kgcm, ft.lb., in.lb., in-oz.
- Audible (tone)
- Torque Accuracy: ±0.5% ±1 count CW and CCW from 10 to 100% of full scale at 25° C
- LCD Touch Screen: 4.7 in. color graphics display
- Screen resolution: 480 X 272 pixels
- Display Accuracy: 4 digits, 9999 cycle counts
- Six "AA" Alkaline cells for battery power included
- Track, Peak and First Peak modes of operation
- Operating Temperature: 40 to 110° F (5 to 42° C)
- Storage Temperature: 0 to 122° F (-20 to 50° C)
- Humidity up to 85% non-condensing
- ISO-6789-2003 and ASME B107-28-2005 standards compliant
- Certificate of N.I.S.T. traceability from 10% to 100% of full scale
- Includes storage case, AC adapter and USB cable

Stock No.	Square Drive (inches)	English Range	Range (Nm)
BP1001-O-DTT	1/4	10 - 100 in.oz.	0.07 - 0.706
BP501-I-DTT	1/4	5 - 50 in.lb.	0.56 - 5.65
BP2502-I-DTT	3/8	25 - 250 in.lb.	2.82 - 28.25
BP2503-F-DTT	1/2	25 - 250 ft.lb.	33.90 - 338.9
BP6004-F-DTT	3/4	60 - 600 ft.lb.	81.35 - 813.5



WARNING





Do not exceed rated torque • Do not use to break fasteners loose  
• Periodic recalibration is necessary to maintain accuracy • Read safety precautions on page 152