



ATECH1FS240



ATECH1FQS240



ATECH2FM100



ATECH2CS240

TechAngle® Models (□% Accuracy)

- DUAL PROGRESSIVE LEDs allow user to see active torque at various work positions; enables the user to anticipate torque target for more accurate torque application
- LARGE LCD SCREEN with bright backlight; numbers become larger and bolder during active torque for optimal viewing
- FOUR ALERT MODES (LCD, LED, Audible, Vibratory) provide excellent feedback in all working conditions
- SIX MEASUREMENT MODES (ft-lb, in-lb, Nm, dNm, kg-cm, and angle) at the touch of a button
- □ PRESETS allow programming of common torque applications which saves time
- ADVANCED FEATURES include cycle counter, customizable sleep timer, language selection, auto torque calculation for torque adaptors, calibration alerts, battery level indication, and numerous alert mode customizations, allowing the user to customize the torque wrench to your work preferences
- TORQUE-THEN-ANGLE MODE allows the user to torque fasteners and then switch to angle mode without removing the torque wrench from a fastener

- MULTI-AXIS GYRO COMPENSATION patent pending mechanism compensates for tilt angle while tightening in a flexed position providing greater accuracy
- MULTI-LINGUAL DISPLAY programmable to display commands and signals in English, Spanish, French or German
- LOW-PROFILE BUTTONS protect against accidental activation
- HIGHLY ACCURATE torque measurement; □% CW and □% CCW
- POWER INTERRUPTION TECHNOLOGY prevents loss of continuity if dropped; prevents loss of work during head bolt pattern applications
- COMFORTABLE HANDLE WITH FLARED END provides a secure, non-slip grip during high-leverage applications
- PROTECTED BATTERY CAP design with solid brass contacts prevents accidental loosening and ensures continuity
- TWO YEAR WARRANTY standard on ATECH and CTECH models
- STORAGE CASE included
- LOW END ACCURACY (ATECH□□□ MODELS) ±□% CW ±□% CCW, □□-□□% F.S.; ±□% CW ±□% CCW, □-□□% F.S.

TechAngle® Models (□% Accuracy)

Specifications	ATECH1FS240	ATECH1FQS240	ATECH2FM100	ATECH2CS240
Square Drive, inches	1/4	1/4	3/8	3/8
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head
Gear Teeth	72	72	80	72
Gear Action	5°	5°	5°	5°
Range, in-lb	12-240	12-240	60-1,200	12-240
Range, ft-lb	1-20	1-20	5-100	1-20
Range, N•m	1.36-27.12	1.36-27.12	7-135	1.5-30
Head Depth, inches	7/16	7/16	1-1/16	29/32
Head Width, inches	7/8	7/8	1-3/16	7/8
Weight (without batteries), lb (kg)	.93 (.42)	.93 (.42)	1.6 (.73)	.93 (.42)
Battery, Type (qty)	Lithium Metal (1)	Lithium Metal (1)	Lithium Metal (1)	Lithium Metal (1)
Length, inches	11.6	11.6	15.4	11.5
Storage Case	PBATECH240M	PBATECH240M	PBQD2	PBQD1

(US #9156148, #9395257, #9242356, #D702519)

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated). All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from □□-□□% of full scale, using NIST® traceable equipment. Angle accuracy ±□% of reading, ±□ degree at angular velocity >□□ deg/sec <□□□ deg/sec, +/- □ deg of test fixture; angle range □-□□°. Operating/storage temperature □-□□° F. Humidity: up to □□% non-condensing. CE approved.

WARNING



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4



ATECH2FQ125B



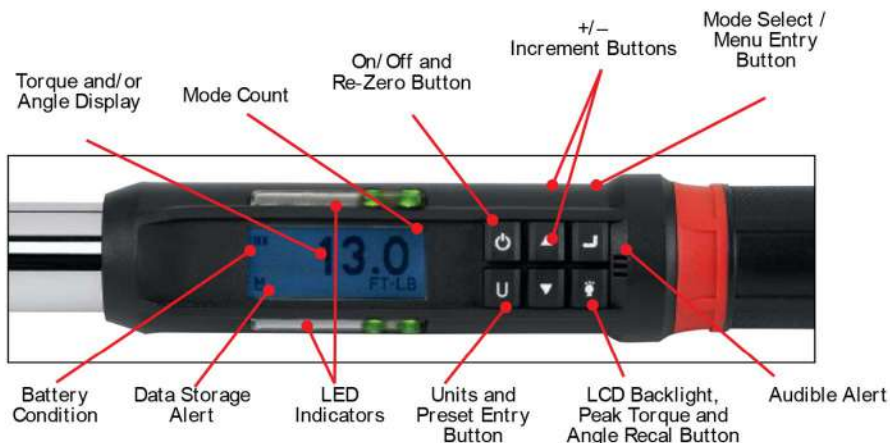
ATECH3FS250



ATECH3FR250B



ATECH4RS600



Protected Battery Cap
Designed with solid brass contacts prevents accidental loosening and ensures continuity.

Specifications	ATECH2FQ125B	ATECH3FS250	ATECH3FR250B	ATECH4RS600*
Square Drive, inches	3/8	1/2	1/2	3/4
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head
Gear Teeth	80	80	80	32
Gear Action	4.5°	4.5°	4.5°	11°
Range, in-lb	60-1,500	150-3,000	150-3,000	360-7,200
Range, ft-lb	5-125	12.5-250	12.5-250	30-600
Range, N·m	6.78-169.48	16.9-339	16.9-339	40.7-813.5
Head Depth, inches	9/16	3/4	3/4	1-1/4
Head Width, inches	1-1/4	1-5/8	1-5/8	2-1/2
Weight (without batteries), lb (kg)	2.2 (0.9)	4.35 (1.97)	3.75 (1.68)	10.95 (4.96)
Battery, Type (qty)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)
Length, inches	17-25/32	26.7	26.6	48.7
Storage Case	PBATECH100B	PBATECH250B	PBATECH250B	PBATECH4

(US #9156148, #9395257, #9242356, #D702519)

Colors Available



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Standard Models/ \pm % Accuracy/ Ratcheting Head

FEATURES:

- Torque and angle combo modes provide the most accurate and fastest way to achieve torque plus angle in a single motion (patent pending)
- Snap-on® Control Tech® Industrial Electronic Torque Wrenches are fully programmable for reliable and consistent torque application
- Torque Plus Angle combo modes allow the user to simultaneously complete precise "torque plus turn" specifications in a single motion
- In addition to the LED indicator lights, an audible beep and handle vibration alert the user when target torque is achieved

- The rugged all-steel construction is designed to stand-up to even the toughest work conditions
- Dual side LED indicator lights with configurable settings
- Large LCD screen with backlight
- Four indicator modes: LCD, LED, audible, vibratory
- Presets with lockout ability
- Sequence programming and job mode
- USB downloadable data
- Industry-leading two year warranty
- Includes storage case
- Complies with ISO®- 9000-1:2000 and ASME® B107.300 (B107.29)

- CTECH wrenches are manufactured with an all-steel body for strength
- CTECHL wrenches are manufactured for rugged black anodized aluminum for durability and reduced weight
- Torque Accuracy: \pm %CW, \pm CCW
- Angle Accuracy: \pm % of reading, \pm @ Angular Velocity > 100°/Sec. < 100°/Sec. +/- of fixture
- Angle Range: 0-360°
- Storage Capacity: 1000 readings
- Number of Presets: 10
- Operating Temperature: 0-100°F (-20-38°C)
- Storage Temperature: 0-100°F (-20-38°C)

Standard Models/ \pm % Accuracy/ Interchangeable Head

- Built-in calibration factor for different head lengths (patent pending)

Stock No.	Head Type	Square Drive, inches	Gear Teeth	Gear Action	Torque Range, in-lb	Torque Range, ft-lb	Torque Range, N•m	Shank Diameter, inches	Weight, lb (kg)	Length, inches (mm)
CTECH1MR100	Sealed Fixed Ratchet	1/4	72	5°	5-100	0.42-8.33	0.57-11.30	—	0.9 (0.41)	10.9 (277)
CTECHL1R240A	Sealed Fixed Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	1.2 (0.54)	14.1 (358)
CTECH4R600A†	Sealed Fixed Ratchet	3/4	32	11°	360-7,200	30-600	40.7-813.5	—	10.5 (4.8)	48.6 (1,234)
CTECH1FR240A*	Sealed Flex Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	2.0 (0.91)	14.1 (358)
CTECH2FR100A	Sealed Flex Ratchet	3/8	80	4.5°	60-1,200	5.0-100.0	6.8-135.6	—	2.7 (1.2)	17.2 (437)
CTECH3FR250A***	Sealed Flex Ratchet	1/2	80	4.5°	150-3,000	12.5-250	16.9-339	—	4.5 (2.10)	26.7 (678)
CTECH1R240A*	Fixed Ratchet	1/4	72	5°	12-240	1.0-20.0	1.4-27.2	—	2.0 (0.91)	14.1 (358)
CTECH1MR240	Fixed Ratchet	1/4	72	5°	12-240	1-20	1.36-27.12	—	0.93 (0.42)	11.6 (295)
CTECH2MR100	Fixed Ratchet	3/8	72	5°	5-100	0.42-8.33	0.57-11.30	—	0.9 (0.41)	10.9 (277)
CTECH2MR1200	Fixed Ratchet	3/8	80	4.5°	60-1,200	5-100	6.8-135.6	—	1.6 (.73)	15.4 (391)
CTECH2MR240	Fixed Ratchet	3/8	80	4.5°	12-240	1-20	1.36-27.12	—	0.93 (0.42)	11.6 (295)
CTECH3R250A	Fixed Ratchet	1/2	80	4.5°	150-3,000	12.5-250	16.8-339	—	—	—
CTECHL1240A	Fixed Head	1/4	—	—	12-240	1.0-20.0	1.4-27.2	—	1.1 (0.49)	12.4 (315)
CTECHYM1200	Interchangeable	—	—	—	60-1,200	5-100	6.8-135.6	Y (0.560")	1.4 (.63)	13.75 (349)
CTECHL1J240A	Interchangeable	—	—	—	12-240	1.0-20.0	1.4-27.2	J (0.425")	1.0 (0.45)	12.5 (318)
CTECH1JM240	Interchangeable	—	—	—	12-240	1-20	1.36-27.12	J (0.425")	0.80 (0.36) w/battery, excluding case	10.15 (258)
CTECH1J240A	Interchangeable	—	—	—	12-240	1.0-20.0	1.4-27.2	J (0.425")	1.8 (0.8)	12.5 (318)
CTECH2Y100A	Interchangeable	—	—	—	60-1,200	5-100	6.8-135.6	—	2.7 (1.2)	17.2 (437)
CTECH3X250A	Interchangeable	—	—	—	150-3,000	12.5-250	16.9-339	X (0.735")	—	24.1 (612)
CTECH4Z600A	Interchangeable	—	—	—	30-600	360-7,200	40.7-813.5	Z (0.990")	7.6 (3.5)	44.8 (1,138)
CTECHAN135A	IZO/ISO (Interchangeable)	—	—	—	60-1,195	5.0-99.6	6.8-135.0	9 x 12 mm	2.85 (1.2) w/o head, w/batteries	17.8 (452) w/o head
CTECHAN30A	IZO/ISO (Interchangeable)	—	—	—	1.11-22.13	13.3-365.5	1.50-30.00	9 x 12 mm	2.0 (.9) w/o head, w/batteries	13.3 (338) w/o head
CTECHBN340A	IZO/ISO (Interchangeable)	—	—	—	150-3,009	12.5-250.8	17.0-340.0	14 x 18 mm	3.75 (1.7) w/o head, w/batteries	23.9 (607) w/o head

*Uses Ratchet Service Kit RKRT72A. Includes three AAA Lithium batteries.
 †Uses Ratchet Service Kit RKRQC4. Includes three AA Lithium batteries.

***Uses Ratchet Service Kit RKRS80A. Includes three AA Lithium batteries.
 Torque parameters comply with ISO® 6789:2003 and ASME® B107.300-2010 (B107.29)



- Always pull wrench in direction of fixed jaw.
- Do not exceed rated torque
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4



TECH2R100



TECH4R600

Standard Models/ □% Accuracy/ Fixed Head

- Manual preset, automatic track and peak hold modes
- Torque units conversion: N•m, ft-lb, in-lb
- Audible (tone) and tactile (vibrating handle) preset alerts
- Stand on handle bottom keeps tool from rolling off flat surface
- Dual □□ Technology on all □□- and □□-tooth ratchet heads
- Low battery indicator and auto shutoff (after two minutes idle)
- ISO® □□□□-□□□□ and ASME® B□□□ □□□□-□□□□ standards compliant
- Certificate of NIST® traceability for □□-□□□% of full scale

Specifications	TECH1R240	TECH2R100	TECH3R250	TECH4R600
Square Drive, inches	1/4	3/8	1/2	3/4
Head Type	Sealed Fixed Ratchet	Sealed Fixed Ratchet	Sealed Fixed Ratchet	Sealed Fixed Ratchet
Gear Teeth	72	80	80	32
Gear Action	5°	4.5°	4.5°	11°
Range, in-lb	24-240	60-1,200	300-3,000	720-7,200
Range, ft-lb	1-20	5-100	25-250	60-600
Range, N•m	2.71-27.12	6.8-135	34-339	81-813
Head Depth, inches	7/16	5/8	3/4	1-1/4
Head Width, inches	7/8	1-5/32	1-5/8	2-1/2
Length, inches	15-1/4	17-1/4	26-1/4	48
Operating Temperature	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)
Storage Temperature	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)
Battery, Type (qty)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)	AA Alkaline (3)

CE

Standard Models/ □% Accuracy/ Flex Head

- Techwrench® (standard models)
- Torque accuracy ratchet head models: □% CW, □% CCW from □□-□□□% F.S.; □% CW, □% CCW from □□-□□□% F.S. □% CW
- Torque accuracy interchangeable head models: □% CW, □% CCW from □□-□□□% F.S. (TECHY only)
- Sealed flex head ratchets move ±□□°



TECH3FR250

Specifications	TECH1FR240	TECH2FR100	TECH3FR250
Square Drive, inches	1/4	3/8	1/2
Head Type	Sealed Flex Head	Sealed Flex Head	Sealed Flex Head
Gear Teeth	72	80	80
Gear Action	5°	4.5°	4.5°
Range, in-lb	24-240	60-1,200	300-3,000
Range, ft-lb	1-20	5-100	25-250
Range, N•m	2.7-27.1	6.8-135	34-339
Head Depth, inches	7/16	5/8	3/4
Head Width, inches	7/8	1-5/32	1-5/8
Length, inches	15-1/4	17-1/4	26-1/4
Operating Temperature	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)
Storage Temperature	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)
Storage Case	PBTECH2	PBTECH2	PBTECH3

Standard Models/ □% Accuracy/ Interchangeable Head



TECH2Y100

TECH4Z600

Specifications	TECH1J240	TECH2Y100	TECH3X250	TECH4Z600
Head Type	Interchangeable	Interchangeable	Interchangeable	Interchangeable
Range, in-lb	24-240	60-1,200	300-3,000	720-7,200
Range, ft-lb	1-20	5-100	25-250	60-600
Range, N•m	27.1-27.12	6.8-135	34-339	81-813
Shank (dia.)	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")
Length, inches	13-3/4	15-1/2	23-3/4	42
Operating Temperature	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)	40-110 °F (5-42 °C)
Storage Temperature	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)	0-122 °F (-20-50 °C)
Storage Case	PBTECH2	PBTECH2	PBTECH3	PBTECH4

Wrench length specification does not include the length of interchangeable heads. The certification of accuracy provided per ASME® and ISO® standards is 20-100% of full scale.

The QD Series of Click-Type Torque Instruments feature an innovative design that provides consistently accurate readings and rugged, trouble-free performance.

FEATURES:

- **CERTIFICATE OF CALIBRATION:** A Certificate of Calibration is packed with every QD Series Torque Instrument. Actual certification readings and individual instrument serial number are included. Each torque instrument, as calibrated at the factory, is certified to meet the accuracy specified in ANSI® B 107.1-2013 (B 107.1) and was calibrated on a torque standard traceable to the National Institute of Standards Technology (NIST®).
- **ACCURACY:** All QD/QE Series Torque Wrenches are accurate to ±0.5% clockwise and ±0.5% counterclockwise from 0-100% of full scale
- **LONG LIFE RATCHET HEAD:** QD/QE Series Torque wrenches feature the Snap-on® High-Strength Sealed Ratchet Head. Sealed ratchet heads keep out dirt and moisture while being virtually maintenance free. US Patent # 6,800,000 applies to all QD Series Ratchet Head models. US Patent # 6,800,000 applies to 1/2", 3/4" and 1" drive Ratchet Head models only.
- **MINIMAL FRICTION "HOURLASS" CAM:** Retains and releases lubricant where needed to reduce friction
- **POSITIVE STOP:** Instrument can not be accidentally disassembled if wound down past scale
- **KNURLED HANDLE** for a secure non-slip grip
- **ONE YEAR WARRANTY**
- **STORAGE CASE** included with each instrument
- All QD models with "A" suffix have roll-marked scales for better permanence and visibility



US Torque Instruments (in-lb) ±0.5% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, minimum	Range, maximum	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case
3/8	GQT2R1000NP	Fixed Ratchet	32	11°	200 in-lb	1,000 in-lb	5 in-lb	14	1.26	1.07	WPB50A
3/8	GQT2R200NP	Fixed Ratchet	32	11°	40 in-lb	200 in-lb	1 in-lb	8.97	.88	.88	WPB7
1/4	QD1R200A	Fixed Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
1/4	QD1200A	Fixed	—	—	40 in-lb	200 in-lb	1 in-lb	10-15/16	5/8	13/16	PBQD1
1/4	QD1R50A	Fixed Ratchet	36	10°	10 in-lb	50 in-lb	.5 in-lb	9-7/8	7/8	7/16	PBQD1
1/4	QD150A	Fixed	—	—	10 in-lb	50 in-lb	.5 in-lb	9-3/4	5/8	13/16	PBQD1
3/8	QD21000A	Fixed	—	—	200 in-lb	1,000 in-lb	5 in-lb	14-9/16	1	1-3/16	PBQD2
3/8	QD2R200A	Compact Ratchet	36	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
1/2	QD3R1600A	Fixed Ratchet	80	4.5°	300 in-lb	1,600 in-lb	10 in-lb	19	1-5/8	3/4	PBQD3
1/2	QD3R2500A	Fixed Ratchet	80	4.5°	500 in-lb	2,500 in-lb	10 in-lb	19-1/8	1-5/8	3/4	PBQD3
1/2	QD32500A	Fixed	—	—	500 in-lb	2,500 in-lb	10 in-lb	18-1/8	1	1-1/4	PBQD3
1/4	QE1R200	Fixed Ratchet	80	10°	40 in-lb	200 in-lb	1 in-lb	11-1/16	7/8	7/16	PBQD1
3/8	QE2R100	Fixed Ratchet	80	4.5°	20 ft-lb	100 ft-lb	.5 ft-lb	15-9/16	1-5/32	9/16	PBQD2
3/8	QE2FR75	Flex Ratchet	80	10°	5 ft-lb	75 ft-lb	.5 ft-lb	15-3/4	1-5/32	9/16	PBQD2
1/2	QE3R250	Fixed Ratchet	80	10°	50 ft-lb	250 ft-lb	1 ft-lb	24-3/16	1-5/8	3/4	PBQD3



- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is needed to maintain accuracy
- Read Safety Precautions on pages W1-W4

ADJUSTABLE CLICK TYPE



QD3R250A



GQT3R250NP



QD3FR250A

US Torque Instruments: Dual-Scale (ft-lb/N•m)

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
1/2	GQT3R250NP	Fixed Ratchet	32	11°	1.42	1.74	50 ft-lb	250 ft-lb	1	23.75	WPB5
3/8	QD2R100A	Fixed Ratchet	80	4.5°	9/16	1-5/32	20 ft-lb	100 ft-lb	.5 ft-lb	15-9/16	PBQD2
3/8	QD2100A	Fixed	—	—	1-3/16	1	20 ft-lb	100 ft-lb	.5 ft-lb	14-9/16	PBQD2
3/8	QD2R75A	Fixed	80	4.5°	9/16	1-5/32	10 ft-lb	75 ft-lb	.5 ft-lb	15-3/4	PBQD2
3/8	QD2FR75B	Flex Head	80	4.5°	9/16	1-5/32	5 ft-lb	75 ft-lb	.5 ft-lb	15-3/4	PBQD2
3/8	QD275A	Fixed	—	—	1-3/16	1	15 ft-lb	75 ft-lb	.5 ft-lb	14-9/16	PBQD2
1/2	QD3150A	Fixed	—	—	1-1/4	1	30 ft-lb	150 ft-lb	1 ft-lb	18	PBQD3
1/2	QD3R250A	Fixed Ratchet	80	4.5°	3/4	1-5/8	50 ft-lb	250 ft-lb	1 ft-lb	24-3/16	PBQD3
1/2	QD3FR250A*	Flex Head	80	4.5°	3/4	1-5/8	50 ft-lb	250 ft-lb	1 ft-lb	25-3/4	PBATECH300B
1/2	QD3250A	Fixed	—	—	1-1/4	1	50 ft-lb	250 ft-lb	1 ft-lb	23-3/32	PBQD3
3/4	QD4R400A	Fixed Ratchet	32	11°	1-1/4	2-1/2	75 ft-lb	400 ft-lb	2.5 ft-lb	35-3/4	PBQC4
3/4	QD4400A	Fixed	—	—	1-1/2	1-1/2	75 ft-lb	400 ft-lb	2.5 ft-lb	33-3/4	PBQC4
3/4	QD4R600A	Fixed Ratchet	32	11°	1-1/4	2-1/2	100 ft-lb	600 ft-lb	5 ft-lb	42-3/4	PBQC4
3/4	QD4600A	Fixed	—	—	1-1/2	1-1/2	120 ft-lb	600 ft-lb	5 ft-lb	40-3/4	PBQC4
1	QD5R1000A	Fixed Ratchet	30	12°	1-1/2	3-1/8	200 ft-lb	1,000 ft-lb	5 ft-lb	71	PBQC5

*Clockwise-only calibration

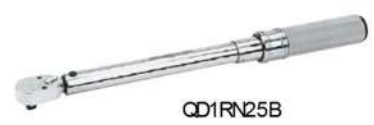


QD3RM30A

Metric Torque Instruments (kg m, kg cm)

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Range, minimum	Range, maximum	Increments	Length, inches	Head Width, inches	Head Depth, inches	Storage Case
3/8	QD2RM1000A	Flex Head	80	4.5°	200 kg•cm	1,000 kg•cm	5 kg•cm	15-9/16	1-5/32	9/16	PBQD2
1/2	QD3RM30A	Fixed Ratchet	80	4.5°	6 kg•m	30 kg•m	.2 kg•m	19	1-5/8	3/4	PBQD3

"A" suffix models feature roll-marked tubes and 80 tooth gears



QD1RN25B



QD3RN200A



QD4RN800A

Newton Meter Torque Wrenches/±□% Accuracy

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
1/4	QD1RN25B	Fixed Ratchet	36	10°	7/16	7/8	5 N•m	25 N•m	.1 N•m	11-3/4	PBQD1
1/4	QD1RN6B	Fixed Ratchet	36	10°	7/16	7/8	1 N•m	6 N•m	.05 N•m	9-7/8	PBQD1
3/8	QD2RN100A	Fixed Ratchet	80	4.5°	9/16	1-5/32	20 N•m	100 N•m	.5 N•m	15-9/16	PBQD2
3/8	QD2RN25B	Compact Ratchet	36	10°	7/16	7/8	5 N•m	25 N•m	.1 N•m	11-3/4	PBQD2
3/8	QD2RN50A	Fixed Ratchet	80	4.5°	9/16	1-5/32	10 N•m	50 N•m	.5 N•m	15-9/16	PBQD2
1/2	QD3RN200A	Fixed Ratchet	80	4.5°	3/4	1-5/8	40 N•m	200 N•m	2 N•m	19	PBQD3
1/2	QD3RN350A	Fixed Ratchet	80	4.5°	3/4	1-5/8	70 N•m	350 N•m	2 N•m	24-3/16	PBQD3
3/4	QD4RN800A	Fixed Ratchet	32	11°	1-1/4	2-1/2	150 N•m	800 N•m	5 N•m	42-3/4	PBQC4
1	QD5RN1500A	Fixed Ratchet	30	12°	1-1/2	3-1/8	300 N•m	1,500 N•m	10 N•m	68.4	S10-117-6

"A" suffix models feature roll-marked tubes



TQFR100C



TQR250E



TQFR250E



TQR600E

US Reading Torque Wrenches with Conversion Scale/±1% Accuracy

Adjustable Click Type Torque Wrench

- Snap-on® sealed ratchet head is virtually maintenance free; more time working with the tool, less time on tool maintenance
- Thumb screw-type adjustment is faster than cycling through a micrometer-style torque wrench; guard prevents setting from being changed accidentally; setting is displayed in window; conversion table to N·m is displayed on handle
- Sealed neck keeps dust and grit away from the torque mechanism for longer tool life
- “Split beam” measuring element provides accurate, reliable readings and eliminates the heavy coil spring used in conventional click-type wrenches; yields fewer moving parts, reducing friction and wear
- Cushion grip handle provides comfort plus control and resists most automotive fluids
- Designed for measuring torque in a clockwise direction only; wrench is not reversible
- All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated)
- All wrenches and drivers are calibrated per ASME® standards for accuracy, from 1%–3% of full scale, using NIST® traceable equipment
- Wrenches are non-reversible
- CE EU—GB, FR, ES, DE

Square Drive, inches	Stock No.	Head Style	Gear Teeth	Swing Arc	*Head Depth, inches	Head Width, inches	Range, minimum	Range, maximum	Increments	Length, inches	Storage Case
3/8	TQFR100C	Flex Head	36	10°	9/16	1-5/8	20 ft-lb	100 ft-lb	2 ft-lb	18-5/8	PBTQ1
1/2	TQR250E	Fixed Ratchet	36	10°	3/4	1-5/8	40 ft-lb	250 ft-lb	5 ft-lb	22-3/8	PBTQ3
1/2	TQFR250E	Flex Head	36	10°	9/16	1-5/8	40 ft-lb	250 ft-lb	5 ft-lb	22-3/8	PBTQ3
3/4	TQR400E†	Detach Ratchet	32	11°	1-1/4	2-1/2	130 ft-lb	400 ft-lb	10 ft-lb	38-1/8	PBTQ4
3/4	TQR600E†	Detach Ratchet	32	11°	1-1/4	2-1/2	200 ft-lb	600 ft-lb	10 ft-lb	48-5/8	PBTQ4

†Available in red only

Colors Available



ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1–W4



TE50FUAC



TE175LC

US Reading/ Standard \pm % Accuracy

- Dial torque wrenches allow the user to easily apply and monitor torque
- Long-lasting performance given minimal component contact
- Steel welded bodies with bright nickel-chrome finish
- Heat-treated dial guards protect the dial crystal from damage
- Patented torsion bar machined from aircraft quality alloy steel for long life and precise performance across the entire scale
- Operating temperature range of -100 to 300 °F
- Wide selection of models—from $\frac{1}{4}$ to $1\frac{1}{2}$ " drives to ranges, scales, and dial configurations—there is a dial wrench to cover nearly every need
- Certificate of calibration models, add "C" suffix to stock number
- $\frac{1}{2}$ " Tubular Extension Handle
- Tubular extension handle is packed with the following torque wrenches: TE $\frac{1}{2}$, TE $\frac{1}{2}$ FU, TE $\frac{1}{2}$ LC, TE $\frac{1}{2}$ LC, TE $\frac{1}{2}$ FU, TE $\frac{1}{2}$ LC, TESI $\frac{1}{2}$, TESI $\frac{1}{2}$ FU, TESI $\frac{1}{2}$ LC, TER $\frac{1}{2}$, TER $\frac{1}{2}$ FU, TER $\frac{1}{2}$ LC, TEC $\frac{1}{2}$, TEC $\frac{1}{2}$ FU, TEC $\frac{1}{2}$ LC, TEC $\frac{1}{2}$ FU and TEC $\frac{1}{2}$ LC

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range	Increments	Length, inches	Width, inches (mm)	Head Depth, inches	Storage Case
1/4	GTE6A	—	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	—	PB9
1/4	TE1AC	TE1FUAC	—	15 in-lb	1/4 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
1/4	TE3AC	TE3FUAC	—	30 in-lb	1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
1/4	TE6AC	TE6FUAC	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE12AC	TE12FUAC	TE12LAC	150 in-lb	2-1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	—	TE12FFUAC	—	12 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25FAC	TE25FUAC	TE25LAC	25 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25AC	TE25FFUAC	—	300 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE50FAC	TE50FUAC	TE50LAC	50 ft-lb	1 ft-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
3/8	TE50AC	TE50FFUAC	TE50FLAC	600 in-lb	10 in-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
1/2	TE51C	—	TE51LC	50 ft-lb	1 ft-lb	15	2-11/16 (68)	1-5/16	—
1/2	TE100C	TE100FUC	—	100 ft-lb	1 ft-lb	16	2-3/4 (70)	1-3/8	PBR5
1/2	TE175C	TE175FUC	TE175LC	175 ft-lb	2-1/2 ft-lb	18-3/4	2-3/4 (70)	1-3/8	PBR5
1/2	TE250C	TE250FUC	TE250LC	250 ft-lb	—	23-3/4	2-3/4 (70)	1-3/8	PB8A
1/2	—	TE51FUC	—	600 in-lb	10 in-lb	15	2-11/16 (68)	1-5/16	—
1/2	—	TE51FFUC	—	50 ft-lb	1 ft-lb	15	2-11/16 (68)	1-5/16	—
3/4	TE352AC	TE352FUAC	TE352LAC	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	—	—
3/4	TE602AC	TE602FUAC	TE602LAC	600 ft-lb	10 ft-lb	40-7/8	3-1/4 (83)	—	PB39
1	TE1503C	TE1503FUC	TE1503LC	—	25 ft-lb	80	4-13/32 (112)	—	—
1	TE1003C	TE1003FUC	TE1003LC	—	10 ft-lb	66-13/16	3-9/16 (91)	—	—
1	TE2003C	TE2003FUC	—	—	25 ft-lb	80	4-13/32 (112)	—	—
1	TE803C	—	TE803LC	800 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	—	—
1-1/2	—	TE2005FUC	—	—	25 ft-lb	80	3-9/16 (91)	—	—
1-1/2	TE3005C	—	—	—	50 ft-lb	—	5-1/2 (140)	—	—

*Does not include square drive dimension.
Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available.
Basic model = 1 needle Follow-up = 2 needles Signal = signal light GTE models feature a black oxide finish.



TE50FUA



TE175L

US Reading/ Standard □% Accuracy

- Dial torque wrenches allow the user to easily apply and monitor torque
- Long-lasting performance given minimal component contact
- Steel welded bodies with bright nickel-chrome finish
- Heat-treated dial guards protect the dial crystal from damage

- Patented torsion bar machined from aircraft quality alloy steel for long life and precise performance across the entire scale
- Operating temperature range of □-□□□°F
- Wide selection of models—from □□-□□□□" drives to ranges, scales, and dial configurations—there is a dial wrench to cover nearly every need
- Certificate of calibration models, add "C" suffix to stock number

Square Drive, inches	Basic Models Stock No.	Follow up Models Stock No.	Signal Models Stock No.	Range	Increments	Length, inches	Width, inches	Head Depth,* inches	Storage Case
1/4	TE1A	TE1FUA	—	15 in-lb	1/4 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
1/4	TE3A	TE3FUA	—	30 in-lb	1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
1/4	TE6A	TE6FUA	—	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE12A	TE12FUA	TE12LA	150 in-lb	2-1/2 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25A	TE25FUA	TE25LA	300 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE50A	TE50FUA	TE50LA	600 in-lb	10 in-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
3/8	TE12FA	TE12FFUA	TE12FLA	12 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE25FA	TE25FFUA	TE25FLA	25 ft-lb	1/2 ft-lb	9-29/32	2-11/16 (68)	1-1/4	PB9
3/8	TE50FA	TE50FFUA	TE50FLA	50 ft-lb	1 ft-lb	12-1/2	2-11/16 (68)	1-1/4	PB9
1/2	TE51	TE51FU	TE51L	600 in-lb	10 in-lb	15	2-11/16 (68)	1-5/16	—
1/2	TE51F	TE51FFU	TE51FL	50 ft-lb	1 ft-lb	15	2-11/16 (68)	1-5/16	—
1/2	TE100	TE100FU	TE100L	100 ft-lb	1 ft-lb	16	2-3/4 (70)	1-3/8	PBR5
1/2	TE175	TE175FU	TE175L	175 ft-lb	2-1/2 ft-lb	18-3/4	2-3/4 (70)	1-3/8	PBR5
1/2	TE250	TE250FU	TE250L	250 ft-lb	5 ft-lb	23-3/4	2-3/4 (70)	1-3/8	PB8A
3/4	TE352A	TE352FUA	TE352LA	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	1-25/32	—
3/4	TE602A	TE602FUA	TE602LA	600 ft-lb	10 ft-lb	40-7/8	3-1/4 (83)	1-25/32	PB39
1	TE803**	TE803FU**	TE803L**	800 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	2-1/32	—
1	TE1003†	TE1003FU**	TE1003L**	1,000 ft-lb	10 ft-lb	66-13/16	3-9/16 (91)	2-1/32	—
1	TE1503†	TE1503FU†	TE1503L†	1,500 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8	—
1	TE2003†	TE2003FU†	TE2003L†	2,000 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8	—
1-1/2	TE2005†	TE2005FU†	TE2005L†	2,000 ft-lb	25 ft-lb	80	3-9/16 (91)	2-3/8	—
1-1/2	TE3005	TE3005FU**	TE3005L**	3,000 ft-lb	50 ft-lb	—	5-1/2 (140)	2-13/16	—

*Does not include square drive dimension.

†Includes separately packed 93TQPA 5" tubular extension handle

**Includes separately packed 92TQPA 4" tubular extension handle.

TE3005 includes 94TQPA 10" extension handle

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available.

Basic model = 1 needle Follow-up = 2 needles Signal = signal light GTE models feature a black oxide finish.



BASIC MODEL

- Needle shows torque achieved



FOLLOW UP MODEL

- Two separate needles show targeted torque and torque achieved



SIGNAL MODEL

- Features a built-in light that flashes when targeted torque is achieved



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- Read Safety Precautions on pages W1-W4



TESI75C



TESI75L

Newton Meter Reading/ Standard □% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Range, N•m	Increments, N•m	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	—	TESI5FU	TESI5L	5	.2	9-29/32	2-11/16 (68)	1-1/4
1/4	TESI10	TESI10FU	TESI10L	10	.5	9-29/32	2-11/16 (68)	1-1/4
1/2	TESI125	TESI125FU	TESI125L	125	5	16	2-11/16 (68)	1-3/8
3/8	TESI20	TESI20FU	TESI20L	20	.5	9-29/32	2-11/16 (68)	1-1/4
3/8	TESI30	TESI30FU	TESI30L	30	1	9-29/32	2-11/16 (68)	1-1/4
3/8	TESI60C	TESI60FU	TESI60L	60	2	12-1/2	2-11/16 (68)	1-1/4
3/8	TESI70	TESI70FU	TESI70L	70	2	12-1/2	2-11/16 (68)	1-1/4
3/8	TESI75	TESI75FU	TESI75L	75	1	12-1/2	2-11/16 (68)	1-1/4
1/2	TESI200	TESI200FU	TESI200L	200	5	18-3/4	2-3/4 (70)	1-3/8
1/2	TESI250	TESI250FU	TESI250L	250	5	18-3/4	2-3/4 (70)	1-3/8
3/4	TESI500A	TESI500FUA	TESI500LA	500	10	29-7/8	3-1/4 (83)	1-25/32
3/4	TESI800A	TESI800FUA	TESI800LA	800	20	40-7/8	3-1/4 (83)	1-25/32
1	TESI1360**	TESI1360FU**	TESI1360L**	1,360	20	66-13/16	3-9/16 (91)	2-1/32
1	TESI2803	TESI2803FU†	TESI2803L†	2,800	50	80	4-13/32 (112)	2-1/8
1-1/2	TESI2805†	TESI2805FU†	—	2,800	50	80	4-25/32 (121)	2-3/8
1-1/2	—	TESI4000FU	TESI4000L	4,000	100	14 (356)	5-1/2 (140)	2-13/16

*Does not include square drive dimension.

†Includes separately packed 93TQPA 5" tubular extension handle.

Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches in chart do not include certificate of calibration.



TER175



TER175L

Combination US/Newton Meter Reading/ Precise □% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Range, N•m	Increments, N•m	US Range	US Increments	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	TER1A	TER1FUA	TER1LA	1.7	.05	15 in-lb	.5 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TER3A	TER3FUA	TER3LA	3.5	0.1	30 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TER6A	TER6FUA	—	8.4	0.2	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER12A	TER12FUA	TER12LA	17	.5	150 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER25A	TER25FUA	TER25LA	0-3,200 N•cm	50 N•cm	0-300 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TER50A	TER50FUA	TER50LA	60	1	600 in-lb	20 in-lb	12-1/2	2-11/16 (68)	1-1/4
1/2	TER51	TER51FU	TER51L	60	1	600 in-lb	20 in-lb	15	2-11/16 (68)	1-5/16
1/2	TER100	TER100FU	TER100L	140	5	100 ft-lb	2 ft-lb	16	2-3/4 (70)	1-3/8
1/2	TER175	TER175FU	TER175L	230	10	175 ft-lb	5 ft-lb	18-3/4	2-3/4 (70)	1-3/8
3/4	TER352A	TER352FUA	TER352LA	480	10	350 ft-lb	5 ft-lb	29-7/8	3-1/4 (83)	1-3/8
3/4	TER602A	TER602FUA	TER602LA	800	20	600 ft-lb	20 ft-lb	40-7/8	3-1/4 (83)	1-25/32
1	TER1003**	—	TER1003L**	1,360	20	1,000 ft-lb	20 ft-lb	66-13/16	3-9/16 (91)	2-1/32

*Does not include square drive dimension.

Wrenches in chart do not include certificate of calibration.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

All Snap-on® torque wrenches, drivers and testers are provided with a Certificate of Calibration (unless otherwise indicated).

All wrenches and drivers are calibrated per ASME® and ISO® standards for accuracy, from 20%–100% of full scale, using NIST® traceable equipment.

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.



TEX602TLA



85TQP



TEX2003TFU

US Reading/ Standard □% Accuracy

Input Drive Female Square, inches	Output Drive Male Square, inches	Follow-Up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Length, inches	Width, inches	Head Depth*, inches	Increments, ft-lb	Optional "T" Bars/ Extension Handles			
										"T" Bar	Length, inches	Ext. Handle	Ext. Handle Length, inches
3/4	3/4	TEX602TFUA*	TEX602TLA*	600	10	9	3-1/4	3-3/4	—	81TQP	66	—	—
3/4	1	TEX1003TFUA	TEX1003TLA	1,000	10	9-7/8	3-5/8	4-1/8	—	81TQP	66	—	—
1	1	TEX1503TFU	TEX1503TL	1,500	25	10-7/8	4-3/8	4-7/16	—	82TQP	18	85TQP	31
1	1	TEX2003TFU	TEX2003TL	2,000	—	10-7/8	4-3/8	4-7/16	25	82TQP	—	85TQP	31
1	1-1/2	TEX2005TFU	TEX2005TL	2,000	25	10-7/8	4-3/8	4-7/16	—	82TQP	18	85TQP	31
1-1/2	1-1/2	TEX3005TFU	TEX3005TL	3,000	50	12	5-1/8	6-1/2	—	83TQP	18	87TQP	66
1-1/2	1-1/2	TEX4005TFU	TEX4005TL	4,000	50	12	5-1/8	6-1/2	—	84TQP	20	89TQP	72

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.

*T-Bar not included.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light.



TEC175



TEC175L

Combination US/Metric Reading/ Standard □% Accuracy

Square Drive, inches	Stock No.	Follow-Up Models Stock No.	Light Signal Models Stock No.	Metric Range, kg·m	Metric Increments, kg·m	US Range	US Increments	Length, inches	Width, inches (mm)	Head Depth*, inches
1/4	TEC1A	TEC1FUA	—	16	1	15 in-lb	.5 in-lb	1-1/4	2-11/16 (68)	1-1/4
1/4	TEC3A	TEC3FUA	—	35	1	30 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
1/4	TEC6A	TEC6FUA	—	90	2.5	75 in-lb	1 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC12A	TEC12FUA	TEC12LA	175	5	150 in-lb	5 in-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC25FA	TEC25FFUA	TEC25FLA	350	10	25 ft-lb	1 ft-lb	9-29/32	2-11/16 (68)	1-1/4
3/8	TEC50A	TEC50FUA	TEC50LA	700	20	600 in-lb	20 in-lb	12-1/2	2-11/16 (68)	1-1/4
1/2	TEC51	TEC51FU	TEC51L	700	20	600 in-lb	20 in-lb	15	2-11/16 (68)	1-5/16
1/2	TEC100	TEC100FU	TEC100L	14	.5	100 ft-lb	2 ft-lb	16	2-3/4 (70)	1-3/8
1/2	TEC175	TEC175FU	TEC175L	25	1	175 ft-lb	5 ft-lb	18-3/4	2-3/4 (70)	1-3/8
1/2	TEC250	TEC250FU	TEC250L	35	1	250 ft-lb	10 ft-lb	23-3/4	2-3/4 (70)	1-3/8
3/4	TEC352A	TEC352FUA	TEC352LA	50	1	350 ft-lb	10 ft-lb	29-7/8	3-1/4 (83)	1-25/32
3/4	TEC602A	TEC602FUA	TEC602LA	80	2	600 ft-lb	20 ft-lb	40-7/8	3-1/4 (83)	1-25/32
3/4	TEC803**	TEC803FU**	TEC803L**	110	2	800 ft-lb	25 ft-lb	66-13/16	3-9/16 (91)	2-1/32
1	—	—	TEC1003L	136	2	1,000 ft-lb	20 ft-lb	66-13/16	3-9/16 (91)	2-1/32
1	—	TEC1503FU†	TEC1503L†	200	5	1,500 ft-lb	25 ft-lb	80	4-13/32 (112)	2-1/8
1	—	TEC2003FU†	TEC2003L†	280	5	2,000 ft-lb	50 ft-lb	80	4-13/32 (112)	2-1/8
1-1/2	TEC2005	TEC2005FU†	TEC2005L†	280	5	2,000 ft-lb	50 ft-lb	80	4-13/32 (112)	2-13/16
1-1/2	TEC3005	TEC3005FU	TEC3005L	400	5	3,000 ft-lb	50 ft-lb	14 (356)	5-1/2 (140)	2-13/16

*Does not include square drive dimension.

Wrenches in chart do not include certificate of calibration.

Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

**Includes separately packed 92TQPA 4" tubular extension handle.

Wrenches with a certificate of calibration are available.

†Includes separately packed 93TQPA 5" tubular extension handle.

- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Do not use "cheater bars" on handles.
- Pull, do not push on handle.
- 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.
- Recalibrate every 6 months or more depending on use. ANSI B107.14M specifies that accuracy is maintained through 5000 cycles for click-type torque wrenches.
- Read Safety Precautions on pages W1-W4



TORQOMETER® TORQUE DRIVERS □□□" DRIVE



Combination US/Metric Reading/Standard □% Accuracy



TQSC4FUA

Standard Follow-Up Models Stock No.	Increments	Length, inches	Range
TQSSC1FUA	.5 kg* cm/5 in-lb	5-1/4	17 kg* cm/15 in-lb
TQSSC2.5FUA	1.000 kg* cm/1.0 in-lb	5-1/4	35 kg* cm/30 in-lb
TQSSC4FUA	2 kg* cm/2 in-lb	5-1/4	56 kg* cm/50 in-lb
TQSSC6FUA	3 kg* cm/5 in-lb	5-1/4	90 kg* cm/75 in-lb
TQSC1FUA	.5 kg* cm/5 in-lb	7-3/4	17 kg* cm/15 in-lb
TQSC2.5FUA	1.000 kg* cm/1.0 in-lb	7-3/4	35 kg* cm/30 in-lb
TQSC4FUA*	2 kg* cm/2 in-lb	8-11/16	56 kg* cm/50 in-lb
TQSC6FUA*	—	—	90 kg/70 in-lb

Wrenches in chart do not include certificate of calibration. Wrenches with a certification of calibration are available by adding "C" to the end of the stock number. All wrenches include PB47 Storage Case. *Includes 1/4" internal square drive in handle.
 Basic model = 1 needle Follow-Up = 2 needles

T□HANDLE TORQOMETER® TORQUE WRENCHES



TEXC602TFUA



TEXC4005TL

Combination US/Metric Reading/Standard □% Accuracy

Input Drive Female Square, inches	Output Drive Male Square, inches	Follow-Up Models Stock No.	Light Signal Models Stock No.	US Range, ft-lb	US Increments, ft-lb	Metric Range, kg* m	kg* m	Length, inches	Width, inches (mm)	Head Depth, inches	Optional "T" Bars/ Extension Handles			
											"T" Bar	"T" Bar Length, inches	Ext. Handle	Ext. Handle Length, inches
3/4	3/4	TEXC602TFUA	TEXC602TLA	600	20	80	2	9	3-1/4	3-3/4	81TQP	66	—	—
3/4	1	TEXC1003TFUA	TEXC1003TLA	1,000	20	136	2	9-7/8	3-5/8	4-1/8	81TQP	66	—	—
1	1	TEXC1503TFU	TEXC1503TL	1,500	25	200	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1	1	TEXC2003TFU	TEXC2003TL	2,000	50	280	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1	1-1/2	TEXC2005TFU	TEXC2005TL	2,000	50	280	5	10-7/8	4-3/8	4-7/16	82TQP	18	85TQP	31
1-1/2	1-1/2	TEXC3005TFU	TEXC3005TL	3,000	100	400	5	12	5-1/8	6-1/2	83TQP	18	87TQP	66
1-1/2	1-1/2	TEXC4005TFU	TEXC4005TL	4,000	100	550	10	12	5-1/8	6-1/2	84TQP	20	89TQP	72

Wrenches in chart do not include certificate of calibration. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number.
 Basic model = 1 needle Follow-Up = 2 needles Signal = signal light

TORQOMETER® TORQUE WRENCHES □□□" DRIVE



TQS012A

US Reading Standard/ □% Accuracy

Standard Basic Models Stock No.	Standard Follow-up Models Stock No.	Length, inches	Stubby Basic Models Stock No.	Stubby Follow-up Models Stock No.	Increments	Range
TQS1A	TQS1FUA	5-1/4	—	TQSS1FUA	4 in-oz/1/4 in-lb	192 in-oz/12 in-lb
TQS0 12A	TQS0 12FUA	5-1/4	TQSS0 12A	TQSS0 12FUA	1/2 in-oz/1/32 in-lb	24 in-oz/1.5 in-lb
TQS2A	TQS2FUA	5-1/4	TQSS2A	TQSS2FUA	8 in-oz/1/2 in-lb	384 in-oz/24 in-lb
TQS025A	TQS025FUA	5-1/4	TQSS025A	TQSS025FUA	1 in-oz/1/16 in-lb	48 in-oz/3 in-lb
TQS4A*	TQS4FUA*	5-1/4	TQSS4A	TQSS4FUA	1 in-lb	50 in-lb
TQS050A	TQS050FUA	5-1/4	TQSS050A	TQSS050FUA	2 in-oz/1/8 in-lb	96 in-oz/6 in-lb
—	TQS25FUA	5-1/4	—	—	1 in-lb	75 in-lb
TQS6A*	TQS6FUA*	5-1/4	TQSS6A	TQSS6FUA	1 in-lb	75 in-lb
TQS008A	TQS008FUA	7-3/4	—	TQSS008FUA	1/2 in-oz	16 in-oz
TQS2.5A	TQS2.5FUA	7-3/4	TQSS2.5A	—	12 in-oz/1 in-lb	480 in-oz/30 in-lb
TQS004A	TQS004FUA	8-5/8	—	—	1/4 in-oz	8 in-oz

Wrenches in chart do not include certificate of calibration. Wrenches with a certification of calibration are available by adding "C" to the end of the stock number.
 All wrenches include PB47 Storage Case. *Includes 1/4" internal square drive in handle.
 Basic model = 1 needle Follow-up = 2 needles



Combination US/Newton Meter Reading/Standard □% Accuracy**

Standard Basic Models Stock No.	Length, inches	Standard Follow-up Models Stock No.	Stubby Basic Models Stock No.	Stubby Follow-up Models Stock No.	Range	Increments
—	5-1/4	—	TQSSI.055A	TQSSI.11FUA	.055 N•m	.001 N•m
TQSSI.11A	5-1/4	—	TQSSI.11A	—	.110 N•m	.005 N•m
TQSSI.34FUA	5-1/4	—	TQSI.34FUA	TQSSI.34FUA	.34 N•m	.01 N•m
—	5-1/4	—	—	TQSSI.70FUA	.70 N•m	.02 N•m
—	5-1/4	—	—	TQSSI.1.35FUA	1.35 N•m	.05 N•m
TQSI055A	5-1/4	TQSI055FUA	—	TQSSI055FUA	.055 N•m	.001 N•m
—	7-3/4	TQSR1FUA	—	—	1.6 N•m/15 in-lb	5 N•m/25 in-lb
—	7-3/4	TQSR2.5FUA	—	—	3.4 N•m/30 in-lb	.1 N•m/1 in-lb
—	7-3/4	TQSI135FUA	—	—	1.35 N•m	.05 N•m
—	8-11/16	TQSR4FUA*	—	—	5.5 N•m/50 in-lb	.1 N•m/1 in-lb
—	8-11/16	TQSR6FUA*	—	—	8.4 N•m/75 in-lb	.2 N•m/5 in-lb

*Includes 1/4" internal square drive in handle. **Precise 1% models are available on special order. Wrenches in chart do not include certificate of calibration. All wrenches include PB47 Storage Case. Wrenches with a certificate of calibration are available by adding "C" to the end of the stock number. ANSI® Spec. B107.300 applies to all these models. Basic model = 1 needle Follow-up = 2 needles

Torque Angle Gauges

TA□□□ □ / □" Square Drive Torque Angle Gauge

- Determines angle controlled torque tightening
- Allows user to follow manufacturer's specifications
- Used on automotive, diesel and industrial equipment, plus head bolts and rod bolts on motorcycles

TA□□□ □ / □" Square Drive Torque Angle Gauge

- Allows user to follow manufacturer's specifications
- Calibrated in degrees in large, easy-to-read increments



TA358

TORQUE SCREWDRIVER



ATECHMS80M



ATECHMS100M

TechAngle® Electronic Torque Screwdriver

- Four alert modes (LCD, LED, Audible, Vibratory)
- Advanced features: programmable sleep timer, cycle counter, overload indication, calibration alert, battery level, language selection and torque record memory including □□ presets and storage for up to □□ records
- Three modes of operation: Torque, Angle, Torque Then Angle
- Displays in seven units of measure: in-lb, in-oz, ft-lb, Nm, Kg-cm, cNm and angle
- Guaranteed accuracy ±□% CW and □% CCW at □□-□□% of full scale (±□% CW and □% CCW at □-□% of full scale)

Stock No.		Range	Increments	Length, inches
ATECHMS80F	1/4" Hex Electronic Screwdriver (Tool Only)	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80FK	1/4" Hex Electronic Screwdriver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS100F*	1/4" Hex Electronic Screwdriver (Tool Only)	5-100 in-oz	.01 in-lb	7-1/2
ATECHMS80M	1/4" Square Electronic Driver (Tool Only)	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80NM	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80NF	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS80MK	1/4" Square Electronic Driver Kit	4-80 in-lb (0.45-9 N•m)	.01 in-lb	7-1/2
ATECHMS100M†	1/4" Square Electronic Driver (Tool Only)	5-100 in-oz	.01 in-lb	7-1/2
ATECHMS100MK	1/4" Square Electronic Driver Kit	5-100 in-oz	.01 in-lb	7-1/2

*Scales are +/-3% CW and CCW (+/- 5% CW and +/-6% CCW) at 5-19% of full scale.

ASME B107.300-2010

MSTECHHDL Electronic Driver L-Handle
• T-handle for assisted turning above □□ in-lb



MSTECHHDL

- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- † These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4





QDRIVER1P

Preset Torque Screwdrivers

- Ideal for low-torque assemblies and precision application
- Drivers accept all standard 1/8" hex screwdriver bits
- Cam over torque limiting clutch-free wheels when set torque is achieved
- Accuracy is ±0% from 0-100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features aluminum body with steel shank
- Comfortable ergonomic tri-lobe grip and magnetic bit retention
- Textured body provides a nonslip grip
- Not supplied with Certificate of Calibration
- When ordering, user must designate desired torque rating to be set

Stock No.	Range, minimum	Range, maximum	Length, inches
QDRIVER1P	6 in-oz (4 N•cm)	32 in-oz (22 N•cm)	4-9/16
QDRIVER2P	10 in-oz (7 N•cm)	100 in-oz (70 N•cm)	5-5/8
QDRIVER3P	1.5 in-lb (16 N•cm)	15 in-lb (169 N•cm)	5-5/8
QDRIVER4P	4 in-lb (45 N•cm)	40 in-lb (451 N•cm)	6

ASME® B107.300-2010 Type III, Class A, Style 2, Design A



QDRIVER2

Adjustable Torque Screwdrivers

- Ideal for low-torque assemblies, precision applications and dash/under dash work on most domestic and imported vehicles
- Drivers accept all standard 1/8" hex screwdriver bits
- Cam over torque limiting clutch-free wheels when set torque is achieved
- Accuracy is ±0% from 0-100% of full scale in clockwise direction only for all drivers in series
- Lightweight construction features body with steel shank
- Comfortable ergonomic tri-lobe grip and magnetic bit retention
- Textured body provides a nonslip grip

Stock No.	Range	Increments	Length, inches
QDRIVER2	20-100 in-oz (14-70 N•cm)	1 in-oz	5-7/16
QDRIVER3	3-15 in-lb (34-169 N•cm)	0.2 in-lb	6-1/4
QDRIVER4	5-40 in-lb (56-451 N•cm)	0.5 in-lb	6-11/16
QDRIVER4NM	50-450 N•cm	5.0 N•cm	6-11/16

ASME® B107.300-2010 Type III, Class A, Style 1, Design A



QDTPMS35

TPMS Torque Screwdriver

Stock No.	Description	Range, Dedicated	Overall Length, inches	Accuracy
QDTPMS35	TPMS Adjustable Torque Screwdriver	4 in-lb, 12 in-lb, 35 in-lb	6-5/8	±6%

QDTPMS TPMS Adjustable Torque Screwdriver

- Highly accurate torque tool intended for maintaining or installing popular styles of tire pressure monitoring sensors
- Manufactured from aircraft-grade aluminum
- Dedicated torque measurements for popular TPMS ratings (4, 12, 35 in-lb)



QDRIVER2A

Adjustable Torque Drivers (1/8" Square Drive)

Stock No.	Range	Increments	Length, inches
QDRIVER2A	20-100 in-oz (14-70 N•cm)	1 in-oz	5-7/16
QDRIVER3A	3-15 in-lb (34-169 N•cm)	0.2 in-lb	6-1/4
QDRIVER4A	5-40 in-lb (56-451 N•cm)	0.5 in-lb	6-11/16
QDRIVER4NMA	50-450 N•cm	5 N•m	6-11/16

Torque Limiting Drivers

Stock No.	Range, minimum	Range, maximum	Increments	Length, inches
QTS135	5 in-lb	35 in-lb	0.5 in-lb	7
QTSP135	5 in-lb	35 in-lb	0.5 in-lb	7-1/2

- QTSP US Preset Limiting Driver**
- Clutch mechanism to help prevent over-torquing by allowing free rotation upon reaching the set torque
 - Ideal selection for assembly line work where the same requirement is constant
 - Can be reset at different torque values or readjusted for accuracy whenever necessary with a torque tester
 - Torque limit is pre-set at the factory so when ordering, user must designate desired torque rating to be set

- QTS Adjustable Limiting Driver**
- Micrometer-type adjustment
 - Clutch allows of free rotation upon reaching the set torque
 - Guaranteed accuracy: within $\pm\%$ of setting from % of capacity to full capacity clockwise and counterclockwise



QTSP135

INTERCHANGEABLE HEADS



QC11200

Torque Wrench Bodies/ Adjustable

- Interchangeable heads permit ratcheting, fixed- or open-end torquing capability with either adjustable or preset torque wrench bodies
- A push of the locking pin provides quick-change action, with a wide range of head styles to choose from
- Adjustable models provide quick torque settings across the scale range while preset models are dedicated to a single torque measurement (good for repetitive assembly operations)

- Slim-profile allows access to tight areas
- Micrometer-style adjustment for fast, accurate torque setting
- All QC series interchangeable torque wrenches are accurate to $\pm\%$ clockwise and $\pm\%$ counterclockwise from - % of full scale
- Tube scales are roll-marked for better permanency and visibility

Stock No.	Model	Shank (dia.)	Range	Increments	Length, inches
QC11200	Adjustable	J (0.425")	40-200 in-lb	1 in-lb	9-3/8
QC2175	Adjustable	J (0.425")	5-75 ft-lb	.5 ft-lb	13



QC3P200



QC4P300

Torque Wrench Bodies/ Preset

Stock No.	Model	Shank (dia.)	Range	Length, inches
QC1P60	Preset	J (0.425")	10-60 in-lb (1.1-6.8 N•m)	6
QC1P100	Preset	J (0.425")	15-100 in-lb (1.7-11.3 N•m)	8
QC1P300	Preset	J (0.425")	60-300 in-lb (6.8-33.9 N•m)	10
QC2P75	Preset	J (0.425")	5-75 ft-lb (7-100 N•m)	11
QC3P150	Preset	Y (0.560")	30-150 ft-lb (41-203 N•m)	23
QC3P200	Preset	Y (0.560")	40-200 ft-lb (55-270 N•m)	23
QC4P300	Preset	X (0.735")	60-300 ft-lb (82-400 N•m)	27

No calibration certificates on preset torque bodies



- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4

INTERCHANGEABLE HEADS



QD2IN50A



QD3IN200B



QD2IN100A

Torque Wrench Bodies/Adjustable/Dual Range

- Plug-and-play system of interchangeable heads are consistently sized from pin to the center of the fastener, so no adjustment calculations are needed
- Minimal friction "hour glass" cam retains and releases lubricant where needed to reduce friction
- Push buttons for quick-release of interchangeable head
- Positive stop ensures the instrument cannot be accidentally disassembled if wound down past scale
- Each instrument comes in a molded storage case for long-term protection
- Tube scales are roll-marked for better permanency and visibility
- Includes certificate of calibration

Stock No.	Range, N•m	Range, ft-lb	Increments	Shank Type	Weight, lb (kg)	Length, inches (mm)
QD2IN50A	10–50	9.2–35.0	0.5 N•m/0.4 ft-lb	J	2.3 (1.12)	14-1/2 (368)
QD2IN100A	20–100	16.6–71.9	0.5 N•m/0.4 ft-lb	J	2.3 (1.12)	14-1/2 (368)
QD3IN200B	40–200	37–140	2 N•m/1.2 ft-lb	Y	3.36 (1.64)	23 (584)
QD3IN350A	70–350	59–251	2 N•m/1.2 ft-lb	X	3.36 (1.64)	23 (584)
QD4IN800A	150–800	129–572	5 N•m/4.3 ft-lb	Z	11.14 (5.46)	41-1/2 (1,054)

ASME® B107.300



QJD8SL-72

Square Drive Heads/Ratcheting

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Head O.D., inches	Depth, inches	Repair Kit
1/4	QJD8A-72	—	—	—	15/16	7/16	RKRT72A
1/4	QJD8SL-72	—	—	—	15/16	7/16	RKRT72A
3/8	QYD12A-80**	—	—	—	1-1/4	9/16	RKRF80
3/8	QYD12SL-80	—	—	—	1-1/4	9/16	RKRF80
3/8	—	QJD12A-80**	—	—	1-1/4	9/16	RKRF80
3/8	—	QJD12SL-80	—	—	1-1/4	9/16	RKRF80
3/8	—	—	QXD12A-80	—	1-1/4	9/16	RKRF80
1/2	QJD16A**	—	—	—	1-5/8	3/4	RKRS936
1/2	QJD16SL	—	—	—	1-5/8	3/4	RKRS80A
1/2	—	QYD16A**	—	—	1-5/8	3/4	RKRS936
1/2	—	QYD16SL	—	—	1-5/8	3/4	RKRS80A
1/2	—	—	QXD16A**	—	1-5/8	3/4	RKRS80A
3/4	—	—	QXD24A	—	2-1/2	1-1/4	RKRQC4
3/4	—	—	—	QZD24BDP	2-1/2	1-1/4	RKRQC4
1	—	—	—	QZD32BDP	2-1/2	1-1/2	RKRQC5

**U.S. Patents 4,934,220 and 6,125,722 apply to this ratchet head.

Value in parentheses in chart is the Maximum Recommended Working Torque, ft-lb

Center of Fastener to Retaining Pin

- QYD Series – □ □ □"
- QXD Series – □ □ □"
- QZD Series – □ □ □"
- QJD-SL Series – □ □"
- QYD-SL Series – □ □ □"

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachment



QJSD8A

Square Drive Heads/Fixed

Square Drive, inches	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")	Head O.D., inches	Head Depth, inches
1/4	QJSD8A	—	—	—	5/8	3/4
3/8	QJSD12A	QYSD12A	—	—	1	1
1/2	QJSD16A	QYSD16A	QXSD16A	—	1	1-1/4
3/4	—	—	QXSD24A	QZSD24ADP	1-1/2	2
1	—	—	QXSD32A	QJSD8A	1-3/4	2-1/4

Value in parentheses is the Maximum Recommended Working Torque, ft-lb

Center of Fastener to Retaining Pin

- QJD Series – □ □ □"
- QYD Series – □ □ □"
- QXD Series – □ □ □"
- QZD Series – □ □ □"

Allow use of torque wrench bodies on previous page with sockets, crowfoot wrenches or other similar attachments



QJBOERM10A



QJBOER12A

Ratcheting Box End Heads, □□-Point, mm

Center of Fastener to Retaining Pin

Q.JBOER Series – □□□"

QYBOER Series – □□□"

mm	J (0.425")	Y (0.560")	Head O.D., mm	Head Depth, mm
10	QJBOERM10A	—	21.5	8
13	QJBOERM13A	—	25	10
15	QJBOERM15A	—	28.5	11
16	QJBOERM16A	QYBOERM16A	30.5	11
17	QJBOERM17A	—	32	12
18	QJBOERM18A	QYBOERM18A	34.5	12
19	QJBOERM19A	—	41.7	12.9
22	QJBOERM22A	—	41.7	14.5
24	QJBOERM24A	QYBOERM24A	46.5	15.5

Ratcheting Box End Heads, □□-Point, inches

Center of Fastener to Retaining Pin

Q.JBOER Series – □□□"

QYBOER Series – □□□"

□□	J (0.425")	Y (0.560")	Head O.D., inches	Head Depth, inches
3/8	QJBOER12A	—	27/32	5/16
7/16	QJBOER14A	—	7/8	11/32
1/2	QJBOER16A	—	1-1/32	1/4
9/16	QJBOER18A	—	1-1/16	13/32
5/8	QJBOER20A	QYBOER20A	1-3/16	7/16
11/16	—	QYBOER22A	1-1/4	15/32
3/4	QJBOER24A	QYBOER24A	1-7/16	1/2

INTERCHANGEABLE HEAD, CLICK□TYPE TORQUE WRENCHES



QJXD14A



QYXB24A

Box End Heads, □° Offset, □□-Point, inches

Center of fastener to retaining pin:

- QJXD Series: □□□"
- QYXD Series: □□□"
- QXXD Series: □□□"

□□	Stock No.	Shank (dia.)	Maximum Recommended Working Torque, ft-lb
3/8	QJXD12A	J (0.425")	60
7/16	QJXD14A	J (0.425")	60
1/2	QJXD16A	J (0.425")	60
9/16	QJXD18A	J (0.425")	60
5/8	QYXD20A	Y (0.560")	160
11/16	QJXD22A	J (0.425")	60
11/16	QYXD22A	Y (0.560")	160
3/4	QJXD24A	J (0.425")	60
3/4	QYXD24A	Y (0.560")	160
7/8	QJXD28A	J (0.425")	60
15/16	QJXD30A	J (0.425")	60
15/16	QYXD30A	Y (0.560")	160
1	QJXD32A	J (0.425")	60

Box End Heads, □□° Offset, □□-Point, inches

Center of fastener to retaining pin:

- QJXB Series: □□□"
- QYXB Series: □□□"
- QXXB Series: □□□"

□□	Stock No.	Shank (dia.)	Maximum Recommended Working Torque, ft-lb
1/2	QJXB16A	J (0.425")	60
9/16	QJXB18A	J (0.425")	60
5/8	QJXB20A	J (0.425")	60
5/8	QYXB20A	Y (0.560")	160
11/16	QJXB22A	J (0.425")	60
3/4	QJXB24A	J (0.425")	60
3/4	QYXB24A	Y (0.560")	160
7/8	QYXB28A	Y (0.560")	160
15/16	QYXB30A	Y (0.560")	160
1	QYXB32A	Y (0.560")	160
1-1/8	QYXB36A	Y (0.560")	160
1-3/8	QXXB44A	X (0.735")	240
1-1/2	QXXB48A	X (0.735")	240

- Frequently inspect, clean, and lubricate all non-sealed ratchet mechanisms with light oil.
- Do not replace worn parts individually; use entire contents of the service kit.
- Do not exceed rated torque.
- Do not use to break fasteners loose.
- Periodic recalibration is needed to maintain accuracy.
- Read Safety Precautions on pages W1-W4

WARNING

