



PROTO

IF YOU FIND YOURSELF SECOND-GUESSING YOUR TORQUE WRENCH, FIND A NEW TORQUE WRENCH.

You simply can't hope that a bolt holding a rotor blade on an Apache helicopter is properly tightened.

Or that a nut keeping a conveyor running smoothly is secured. You have to know they are. At Proto[®],

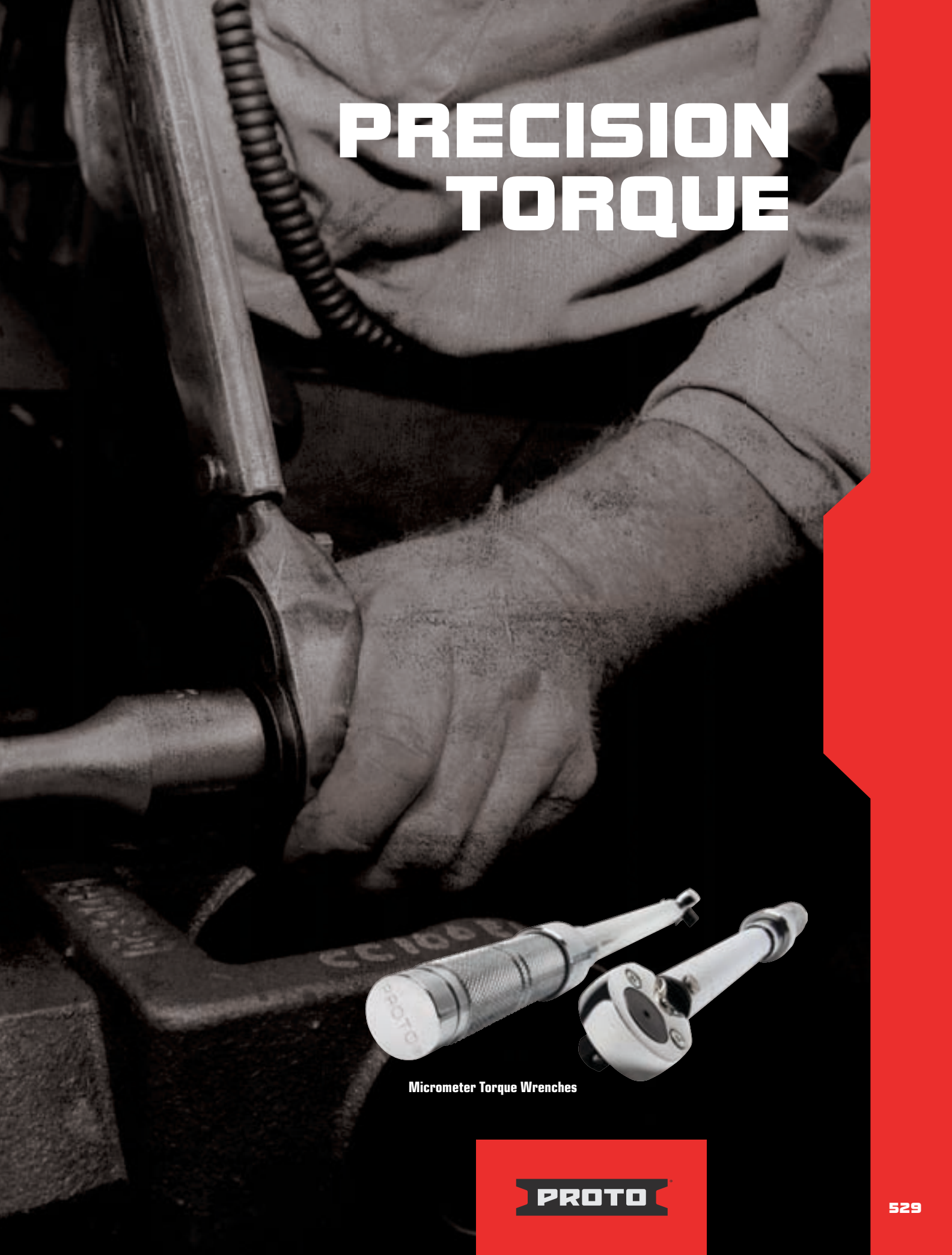
our wrench parts are manufactured from high-grade steel. Key working components are heat-treated

to resist wear. Springs are manufactured to keep their shape for thousands of cycles. And assembly

is done on a work bench, by hand. We even offer three product series to fit any tolerance ranges from

automotive to commercial air. All this ensures durable, dependable accuracy. Anything less is intolerable.

PRECISION TORQUE



Micrometer Torque Wrenches



INTERCHANGEABLE HEAD TORQUE SYSTEM

- › Manufactured from a solid piece of steel.
- › No welds or cuts to compromise the integrity of the attachment.

In the Proto® IHTW System, the handles and the attachments are engineered by the same team, and manufactured to a precise spec so that the centerline distances of each tang size remain the same, from one attachment to another, from one piece to the next. Proto® can deliver a high degree of consistency and repeatability from tool to tool and job to job.

Each attachment, for a given tang size, has the same centerline distance, so the wrench can use the same torque calculation regardless of the attachment.



Each size is manufactured from a single piece of steel and engineered specifically to that size.



TANG SIZES

Tang sizes are similar to Drive Sizes for Ratchets:
 H4 Tang = 1/4" Drive
 H5 Tang = 3/8" Drive
 H7 Tang = 1/2" Drive



H4 TANG



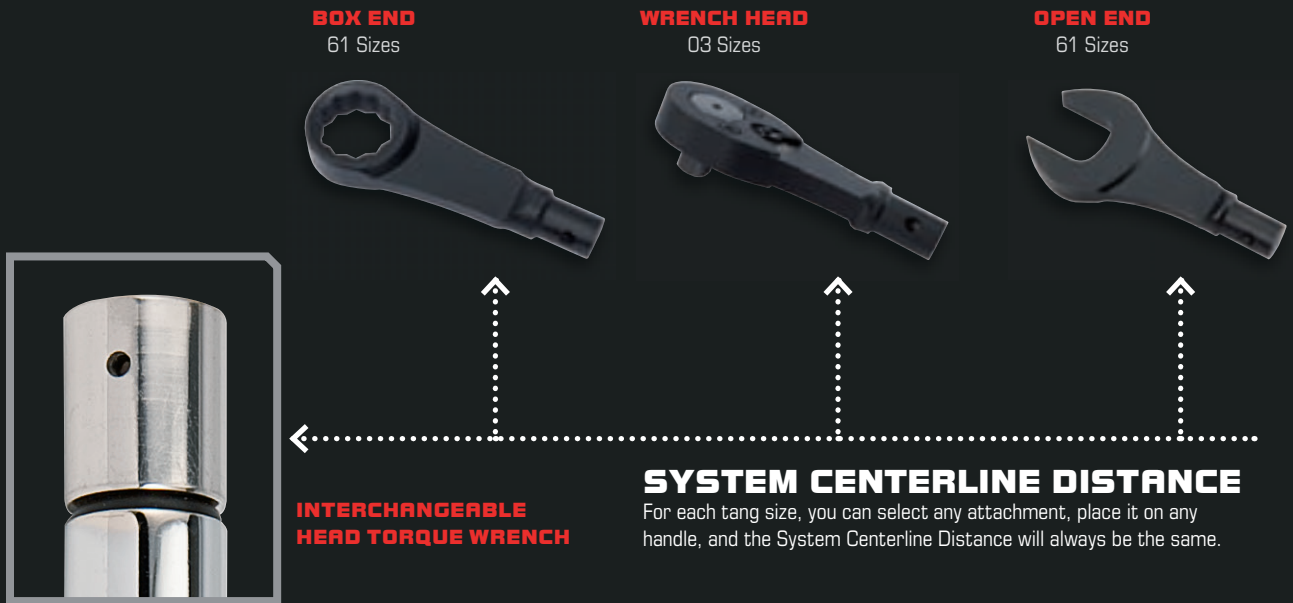
H5 TANG



H7 TANG

SYSTEM CENTERLINE DISTANCES ARE KEY

Each attachment for a given tang size is specifically engineered to maintain the System Centerline Distance - a fresh design, engineered to work smoothly as part of the whole system. No tool has a weld to throw off the centerline distance. Only when the piece is manufactured from a single piece of steel can the System Centerline Distance be reliably and accurately maintained.



INTERCHANGEABLE HEAD TORQUE WRENCH HANDLE

- › Electronic Torque Wrenches offer the highest level of precision.
- › We offer a range of pre-set torque wrenches from 50 ft-lbs. to 200 ft-lbs. for dedicated applications.



ELECTRONIC INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- › Full interface with Proto® Interchangeable Head Attachments.
- › Accuracy of +/- 2% of indicated value in both clockwise and counter clockwise directions.
- › Broad accuracy range extends from 10% to 100% of Full Scale to help reduce the number of torque wrenches required.
- › Ninety-nine "on-board" memory storage locations help improve efficiency when taking multiple torque readings.
- › Three units of measure are available (Ft-lb, In-lb, and Nm).
- › Three operating modes: Track Mode, Peak Hold and Auto Clear.
- › Fast sampling rate helps maintain high accuracy during torque applications.
- › Torque wrench head rotates to allow for easy viewing of LCD display.
- › Easy to read LCD Display with large digits.
- › 3-way Red/Green/Yellow lights.
- › Yellow light appears at the low end of the zone.
- › Green light appears and buzzer sounds when the target is reached.
- › Red light appears with intermittent buzzer when it is over torqued.
- › Audible buzzer helps identify when desired torque target zones are approaching and met.
- › Target torque zone is adjustable from 1% to 10% of targeted torque value.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-250	1/4	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	1-3/4	2	17-1/4	2.20
JH5-100F	3/8	10-100	120-1200	13.6-135.6	0.1	1	0.1	1-3/4	2	17-1/4	2.40
JH7-250F	1/2	25-250	300-3000	33.9-338.9	0.1	1	0.1	1-3/4	2	23	3.00

MICROMETER INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- › Full interface with Proto® Interchangeable Head Attachments.
- › Accuracy of +/-4% CW and +/-6% CCW.
- › Two sizes available.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-6006C	3/8	16-80	0.5	1-1/4	1-1/4	15	2.50
JH7-6014C	1/2	50-250	1	1-1/2	1-1/2	26	4.70

PRE-SET INTERCHANGEABLE HEAD TORQUE WRENCH ASSEMBLIES

- › Full interface with Proto® Interchangeable Head Attachments.
- › Accuracy of +/-4% CW and +/-6% CCW.
- › Pre-set for fixed and repeatable torque applications.
- › Click-type operation for audible click.
- › Soft, comfortable grip.



Product #	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-150PS	-	50-150	1-1/2	1-1/2	6	0.70
JH4-50FPS	10-50	-	1-1/2	1-1/2	11	1.30
JH5-150FPS	45-150	-	1-1/2	1-1/2	19-1/4	2.25
JH5-200FPS	45-200	-	1-1/2	1-1/2	23-1/4	2.30

1/4" DRIVE RATCHET TORQUE WRENCH HEAD - H4 TANG

- › Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- › Alloy steel drive gear for strength and durability.
- › Low profile for easy access.
- › Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-14R	1/4	1-1/16	23/32	3-1/4	0.20

Use With: JH4-250, JH4-150PS, JH4-50FPS

OPEN END TORQUE WRENCH HEADS - H4 TANG

- › Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-12	3/8	–	27/32	7/16	3-1/16	0.08
JH4-14	7/16	–	15/16	7/16	3-1/32	0.09
JH4-16	1/2	–	1-1/16	7/16	3-3/32	0.11
JH4-18	9/16	–	1-7/32	7/16	3-5/32	0.13
JH4-10M	–	10	27/32	7/16	3-1/16	0.08
JH4-11M	–	11	15/16	7/16	3-1/32	0.09
JH4-12M	–	12	1-1/32	7/16	3-1/16	0.10
JH4-13M	–	13	1-1/16	7/16	3-3/32	0.11
JH4-14M	–	14	1-7/32	7/16	3-5/32	0.13



Use With: JH4-250, JH4-150PS, JH4-50FPS

BOX END TORQUE WRENCH HEADS - H4 TANG

- › The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- › 12 point box end allows for fine indexing, helping to improve speed and access.
- › Fits 4, 6 and 12 point fasteners.
- › Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- › Countersunk on both sides to allow for easy application to the fastener.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH4-12B	3/8	–	19/32	7/16	3-1/32	0.08
JH4-14B	7/16	–	21/32	7/16	3-1/16	0.08
JH4-16B	1/2	–	25/32	7/16	3-1/8	0.11
JH4-18B	9/16	–	27/32	7/16	3-5/32	0.12
JH4-10MB	–	10	19/32	7/16	3-1/32	0.07
JH4-11MB	–	11	21/32	7/16	3-1/16	0.08
JH4-12MB	–	12	23/32	7/16	3-3/32	0.09
JH4-13MB	–	13	25/32	7/16	3-1/8	0.10
JH4-14MB	–	14	27/32	7/16	3-5/32	0.12



Use With: JH4-250, JH4-150PS, JH4-50FPS

3/8" DRIVE RATCHET TORQUE WRENCH HEAD - H5 TANG

- › Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- › Alloy steel drive gear for strength and durability.
- › Low profile for easy access.
- › Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-38R	3/8	1-7/16	1	4-3/32	0.47



Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

OPEN END TORQUE WRENCH HEADS - H5 TANG

- Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-14	7/16	–	15/16	5/8	3-21/32	0.14
JH5-16	1/2	–	1-1/16	5/8	3-3/4	0.16
JH5-18	9/16	–	1-7/32	5/8	3-13/16	0.18
JH5-20	5/8	–	1-5/16	5/8	3-27/32	0.21
JH5-22	11/16	–	1-7/16	5/8	3-7/8	0.23
JH5-24	3/4	–	1-19/32	5/8	3-15/16	0.27
JH5-26	13/16	–	1-23/32	5/8	3-31/32	0.31
JH5-28	7/8	–	1-27/32	5/8	4	0.34
JH5-11M	–	11	15/16	5/8	3-21/32	0.14
JH5-12M	–	12	1-1/32	5/8	3-23/32	0.15
JH5-13M	–	13	1-1/16	5/8	3-3/4	0.16
JH5-14M	–	14	1-7/32	5/8	3-13/16	0.18
JH5-15M	–	15	1-1/4	5/8	3-13/16	0.19
JH5-16M	–	16	1-5/16	5/8	3-27/32	0.21
JH5-17M	–	17	1-7/16	5/8	3-7/8	0.23
JH5-18M	–	18	1-1/2	5/8	3-29/32	0.25
JH5-19M	–	19	1-19/32	5/8	3-15/16	0.27
JH5-20M	–	20	1-5/8	5/8	3-15/16	0.28
JH5-21M	–	21	1-23/32	5/8	3-31/32	0.31
JH5-22M	–	22	1-27/32	5/8	4	0.34
JH5-23M	–	23	1-29/32	5/8	4-1/16	0.38



Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

BOX END TORQUE WRENCH HEADS - H5 TANG

- The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- 12 point box end allows for fine indexing, helping to improve speed and access.
- Fits 4, 6 and 12 point fasteners.
- Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- Countersunk on both sides to allow for easy application to the fastener.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH5-14B	7/16	–	21/32	5/8	3-23/32	0.13
JH5-16B	1/2	–	25/32	5/8	3-3/4	0.16
JH5-18B	9/16	–	27/32	5/8	3-25/32	0.17
JH5-20B	5/8	–	15/16	5/8	3-27/32	0.20
JH5-22B	11/16	–	1	5/8	3-7/8	0.22
JH5-24B	3/4	–	1-1/8	5/8	3-15/16	0.25
JH5-26B	13/16	–	1-3/16	5/8	3-31/32	0.28
JH5-28B	7/8	–	1-9/32	5/8	4	0.31
JH5-11MB	–	11	21/32	5/8	3-23/32	0.13
JH5-12MB	–	12	23/32	5/8	3-23/32	0.14
JH5-13MB	–	13	25/32	5/8	3-3/4	0.16
JH5-14MB	–	14	27/32	5/8	3-25/32	0.17
JH5-15MB	–	15	7/8	5/8	3-13/16	0.18
JH5-16MB	–	16	15/16	5/8	3-27/32	0.20
JH5-17MB	–	17	1	5/8	3-7/8	0.22
JH5-18MB	–	18	1-1/16	5/8	3-29/32	0.23
JH5-19MB	–	19	1-1/8	5/8	3-15/16	0.25
JH5-20MB	–	20	1-5/32	5/8	3-31/32	0.27
JH5-21MB	–	21	1-3/16	5/8	3-31/32	0.28
JH5-22MB	–	22	1-9/32	5/8	4	0.31
JH5-23MB	–	23	1-11/32	5/8	4-1/16	0.36



Use With: JH5-100F, JH5-6006C, JH5-150FPS, JH5-200FPS

1/2" DRIVE RATCHET TORQUE WRENCH HEAD - H7 TANG

- › Fixed ratcheting head with a robust 24-tooth design with 15° arc swing.
- › Alloy steel drive gear for strength and durability.
- › Low profile for easy access.
- › Reversing lever design for quick, one-hand operation.



Product #	Drive Size (in)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-12R	1/2	1-27/32	1-13/32	5-7/8	1.08



Use With: JH7-250F, JH7-6014C

OPEN END TORQUE WRENCH HEADS - H7 TANG

- › Open end is angled to 15° to help keep shank clear of obstructions helping to improve access.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-18	9/16	–	1-7/32	13/16	5-3/8	0.32
JH7-20	5/8	–	1-5/16	13/16	5-13/32	0.35
JH7-22	11/16	–	1-7/16	13/16	5-7/16	0.38
JH7-24	3/4	–	1-19/32	13/16	5-1/2	0.42
JH7-26	13/16	–	1-23/32	13/16	5-17/32	0.48
JH7-28	7/8	–	1-27/32	13/16	5-9/16	0.51
JH7-30	15/16	–	1-31/32	13/16	5-5/8	0.57
JH7-32	1	–	2-3/32	13/16	5-21/32	0.64
JH7-34	1-1/16	–	2-7/32	13/16	5-23/32	0.71
JH7-36	1-1/8	–	2-11/32	13/16	5-25/32	0.79
JH7-38	1-3/16	–	2-7/16	13/16	5-27/32	0.84
JH7-40	1-1/4	–	2-9/16	13/16	5-27/32	0.93
JH7-42	1-5/16	–	2-21/32	13/16	5-29/32	0.97
JH7-44	1-3/8	–	2-13/16	13/16	5-15/16	1.08
JH7-15M	–	15	1-1/4	13/16	5-3/8	0.33
JH7-16M	–	16	1-5/16	13/16	5-13/32	0.35
JH7-17M	–	17	1-7/16	13/16	5-7/16	0.38
JH7-18M	–	18	1-1/2	13/16	5-15/32	0.40
JH7-19M	–	19	1-19/32	13/16	5-1/2	0.42
JH7-20M	–	20	1-5/8	13/16	5-1/2	0.45
JH7-21M	–	21	1-23/32	13/16	5-17/32	0.48
JH7-22M	–	22	1-27/32	13/16	5-9/16	0.51
JH7-23M	–	23	1-29/32	13/16	5-5/8	0.56
JH7-24M	–	24	1-31/32	13/16	5-5/8	0.57
JH7-25M	–	25	2-3/32	13/16	5-21/32	0.64
JH7-26M	–	26	2-5/32	13/16	5-21/32	0.65
JH7-27M	–	27	2-7/32	13/16	5-23/32	0.71
JH7-28M	–	28	2-7/32	13/16	5-25/32	0.70
JH7-29M	–	29	2-11/32	13/16	5-25/32	0.79
JH7-30M	–	30	2-7/16	13/16	5-27/32	0.84
JH7-32M	–	32	2-9/16	13/16	5-27/32	0.93



Use With: JH7-250F, JH7-6014C

BOX END TORQUE WRENCH HEADS - H7 TANG

- › The Proto® TorquePlus™ Design, a high performance drive configuration which allows for quick and easy wrench engagement with the fastener flats, not the corners.
- › 12 point box end allows for fine indexing, helping to improve speed and access.
- › Fits 4, 6 and 12 point fasteners.
- › Indexed to 7.5° to help keep shank clear of obstructions by allowing the user to flip the wrench over to continue turning the fastener.
- › Countersunk on both sides to allow for easy application to the fastener.



Product #	Size (in)	Size (mm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH7-18B	9/16	–	27/32	13/16	5-11/32	0.31
JH7-20B	5/8	–	15/16	13/16	5-13/32	0.34
JH7-22B	11/16	–	1	13/16	5-7/16	0.36
JH7-24B	3/4	–	1-1/8	13/16	5-1/2	0.40
JH7-26B	13/16	–	1-3/16	13/16	5-17/32	0.45
JH7-28B	7/8	–	1-9/32	13/16	5-9/16	0.48
JH7-30B	15/16	–	1-3/8	13/16	5-5/8	0.55
JH7-32B	1	–	1-15/32	13/16	5-11/16	0.60
JH7-34B	1-1/16	–	1-17/32	13/16	5-23/32	0.66
JH7-36B	1-1/8	–	1-5/8	13/16	5-3/4	0.71
JH7-38B	1-3/16	–	1-3/4	13/16	5-13/16	0.80
JH7-40B	1-1/4	–	1-13/16	13/16	5-27/32	0.82
JH7-42B	1-5/16	–	1-29/32	13/16	5-29/32	0.91
JH7-44B	1-3/8	–	1-31/32	13/16	5-15/16	0.98
JH7-15MB	–	15	7/8	13/16	5-3/8	0.32
JH7-16MB	–	16	15/16	13/16	5-13/32	0.34
JH7-17MB	–	17	1	13/16	5-7/16	0.37
JH7-18MB	–	18	1-1/16	13/16	5-15/32	0.39
JH7-19MB	–	19	1-1/8	13/16	5-1/2	0.40
JH7-20MB	–	20	1-5/32	13/16	5-17/32	0.43
JH7-21MB	–	21	1-3/16	13/16	5-17/32	0.44
JH7-22MB	–	22	1-9/32	13/16	5-9/16	0.48
JH7-23MB	–	23	1-11/32	13/16	5-5/8	0.54
JH7-24MB	–	24	1-3/8	13/16	5-5/8	0.55
JH7-25MB	–	25	1-15/32	13/16	5-11/16	0.61
JH7-26MB	–	26	1-1/2	13/16	5-11/16	0.60
JH7-27MB	–	27	1-17/32	13/16	5-23/32	0.66
JH7-28MB	–	28	1-19/32	13/16	5-23/32	0.66
JH7-29MB	–	29	1-5/8	13/16	5-3/4	0.71
JH7-30MB	–	30	1-3/4	13/16	5-13/16	0.81
JH7-32MB	–	32	1-13/16	13/16	5-27/32	0.82



Use With: JH7-250F, JH7-6014C



FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS MEETS ASME STANDARD

- › Calibrated to +/- 3% clockwise direction and +/- 6% and counter clockwise direction at 20% to 100% of full scale.
- › Calibration is accomplished by manual loading the torque wrenches.
- › Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061C	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063C	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065C	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF



ASME B107.14M

FIXED HEAD MICROMETER TORQUE WRENCHES - FT-LBS MEETS ASME STANDARD

- › Calibrated to +/- 3% in clockwise direction and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- › Calibration is accomplished by manual loading the torque wrenches.
- › Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6005C	3/8	16-80	0.5	55/64	7/8	15-13/54	3.00	J6006PBF
J6013C	1/2	50-250	1	1-1/8	1-7/32	26-23/32	5.90	J6014PBF
J6015C	1/2	30-150	1	1-1/8	1-7/32	21-1/8	5.00	J6014PBF
J6017B	3/4	120-600	2	1-7/8	1-7/8	41-11/64	15.50	J6007PB



ASME B107.14M

FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS MEETS T033K6 STANDARD

- › Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise direction.
- › Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061CX	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063CX	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065CX	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF



T033K6-4-2193-1

ASME B107.300

FIXED HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- › Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- › Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case
J6061XCERT	1/4	40-200	1	25/32	3/4	11-45/64	2.60	J6006PBF
J6063XCERT	3/8	40-200	1	25/32	7/8	11-45/64	2.60	J6006PBF
J6065XCERT	3/8	200-1000	5	55/64	7/8	15-13/64	3.00	J6006PBF
						🇺🇸 T033K6-4-2193-1	ASME B107.300	

FIXED HEAD MICROMETER TORQUE WRENCH 200-1000 FT-LBS

- › Includes an extension handle.
- › Torque wrench is 40" long. Weight and over all length are for torque wrench with the extension handle.
- › Packaged in a metal box for easy storage.
- › Calibrated ± 4% of torque reading clockwise and ±6% counter clockwise at 20% to 100% of full scale.
- › Certified wrenches to ±2% one direction are available upon request.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)
J6023	1	200-1000	5	1-7/8	2-1/4	69	24.50
						🇺🇸 JIS B4650 ISO 6789 T033K6-4-2193-1 AS28431 ASME B107.14M	

FIXED HEAD MICROMETER TORQUE WRENCH 400-2000 FT-LBS

- › Includes two extension handles, each 43" long.
- › Torque wrench is 34-1/4" long. Weight and overall length are for torque wrench assembled with both extension handles.
- › Calibrated ±4% of torque reading clockwise and ±6% counter clockwise at 20% to 100% of full scale.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)
J6025	1	400-2000	10	3-1/16	4-1/8	107-1/2	53.10
						🇺🇸 JIS B4650 ISO 6789 T033K6-4-2193-1 AS28431 ASME B107.14M	

RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS MEETS ASME STANDARD

- ▶ Calibrated to +/- 3% clockwise direction (for J6060A, calibrated to +/- 4% clockwise direction) and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- ▶ Calibration is accomplished by manually loading the torque wrench.
- ▶ Manufactured to meet standard industrial torque applications such as general industry, heavy equipment and maintenance.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6060A	1/4	10-50	1	1-1/16	7/8	9-1/2	1.20	J6006PBF	J6062RK
J6062C	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064C	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066C	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6068C	1/2	360-1800	10	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6072C	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK



ASME B107.14M

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS MEETS ASME STANDARD

- ▶ Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise at 20% to 100% of full scale.
- ▶ Calibration is accomplished by manual loading the torque wrenches.
- ▶ Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006C	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6012C	3/8	20-100	0.5	1-7/16	1-1/64	17	3.30	J6006PBF	J6006RK
J6008C	1/2	16-80	0.5	1-7/16	1-7/32	15-1/2	3.00	J6006PBF	J6008RK
J6016C	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014C	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6018AB	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020AB	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK
J6022B	1	140-700	2	2-5/8	2-5/16	46-27/32	20.50	J6007PB	J6022RK



ASME B107.14M

RATCHETING HEAD MICROMETER TORQUE WRENCHES - NM MEETS ASME STANDARD

- ▶ Calibrated to +/- 3% clockwise direction and +/- 6% counter clockwise direction at 20% to 100% of full scale.
- ▶ Calibration is accomplished by manual loading the torque wrenches.
- ▶ Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance.



Product #	Drive Size (in)	Torque Range (Nm)	Increments (Nm)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006MC	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6006NMC	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6016MC	1/2	40-200	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6016NMC	1/2	40-200	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014MC	1/2	70-350	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6014NMC	1/2	70-350	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6020NM	3/4	160-800	4	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK



ASME B107.14M

RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD

- › Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- › Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6062CX	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064CX	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066CX	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6072CX	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK

USA T033K6-4-2193-1 ASME B107.300

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS T033K6 STANDARD

- › Calibrated to +/- 3% in clockwise direction and +/- 6% counter clockwise direction.
- › Calibration is accomplished by mechanical loading each wrench in a horizontal position and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006CX	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6008CX	1/2	16-80	0.5	1-7/16	1-7/32	15-1/2	3.00	J6006PBF	J6008RK
J6014CX	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6016CX	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6018CX	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020CX	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK

USA T033K6-4-2193-1 ASME B107.300

RATCHETING HEAD MICROMETER TORQUE WRENCHES - IN-LBS

MEETS T033K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- › Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- › Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6062XCERT	1/4	40-200	1	1-1/32	3/4	11-7/8	2.60	J6006PBF	J6062RK
J6064XCERT	3/8	40-200	1	1-1/32	7/8	11-7/8	2.60	J6006PBF	J6064RK
J6066XCERT	3/8	200-1000	5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6072XCERT	1/2	600-3000	10	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK

USA T033K6-4-2193-1 ASME B107.300

RATCHETING HEAD MICROMETER TORQUE WRENCHES - FT-LBS

MEETS TO33K6 STANDARD WITH CERTIFICATION AND N.I.S.T. TRACEABILITY

- › Calibrated to +/- 3% in clockwise direction and +/- 6% in counter clockwise direction.
- › Calibration is accomplished by mechanical loading of each wrench in a horizontal position, and performing a three click test at 20%, 60% and 100% of maximum instrument capacity.
- › Certification documents traceable to N.I.S.T. (National Institute of Standards and Technology).
- › Manufactured to meet precision/highly accurate applications such as military and aerospace.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Increments (ft-lbs)	Head Width (in)	Head Depth (in)	Overall Length (in)	Weight (lbs)	Storage Case	Repair Kit
J6006CXCERT	3/8	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6006RK
J6008CXCERT	1/2	16-80	0.5	1-7/16	1-1/64	15-1/2	3.00	J6006PBF	J6008RK
J6016CXCERT	1/2	30-150	1	1-7/8	1-13/32	21-1/2	5.00	J6014PBF	J6014RK
J6014CXCERT	1/2	50-250	1	1-7/8	1-13/32	27-1/8	5.90	J6014PBF	J6014RK
J6018CXCERT	3/4	60-300	2	2-5/8	2-1/16	32-23/32	14.00	J6007PB	J6018RK
J6020CXCERT	3/4	120-600	2	2-5/8	2-1/16	41-9/16	15.50	J6007PB	J6018RK



TO33K6-4-2193-1

ASME B107.300

RATCHET HEAD REPAIR KITS - TORQUE WRENCH

- › 1/4" to 1" ratchet wheels made from alloy steel for uncompromising strength and durability.
- › Field repair your torque wrench ratchet head easily with the corresponding repair kit.



Product #	Drive Size (in)	Use With	Weight (lbs)
J6062RK	1/4	J6062C, J6062CX, J6062CXCERT	0.06
J6064RK	3/8	J6064C, J6064CX, J6064CXCERT	0.07
J6006RK	3/8	J6006C, J6006CX, J6006CXCERT, J6006MC, J6006NMC, J6012C, J6066C, J6066CX, J6066CXCERT	0.18
J6014RK	1/2	J6014C, J6014CX, J6014CXCERT, J6014MC, J6014NMC, J6016C, J6016CX, J6016CXCERT, J6016MC, J6016NMC, J6068C, J6072C, J6072CX, J6072CXCERT	0.37
J6008RK	1/2	J6008C, J6008CX, J6008CXCERT	0.19
J6018RK	3/4	J6018AB, J6018CX, J6018CXCERT, J6020AB, J6020CX, J6020CXCERT, J6020NM	1.36
J6022RK	1	J6022B	1.51

TORQUE SCREWDRIVERS - IN-OZ

- › Calibrated to $\pm 4\%$ of torque reading, clockwise at 20% to 100% of full scale.
- › 1/4" Square to 1/4" Hex Adapter included for use with insert bits.
- › Industrial heavy-duty design.
- › Aircraft grade aluminum.
- › Aircraft quality spring.
- › Positive self locking lock ring.
- › Floating three point reaction for repeatability.
- › Laser marked easy-to-read scale.
- › N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with J6104ACERT.



Product #	Drive Size (in)	Torque Range (in-oz)	Increments (in-oz)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6104A	1/4	20-100	2	1-1/4	1-1/4	6-1/2	1.00
J6104ACERT	1/4	20-100	2	1-1/4	1-1/4	6-1/2	1.00

ASME B107.14M

TORQUE SCREWDRIVERS - IN-LBS

- › Calibrated to $\pm 4\%$ of torque reading, clockwise at 20% to 100% of full scale.
- › 1/4" Square to 1/4" Hex Adapter included for use with insert bits.
- › Industrial heavy-duty design.
- › Aircraft grade aluminum.
- › Aircraft quality spring.
- › Positive self locking lock ring.
- › Floating three point reaction for repeatability.
- › Laser marked easy-to-read scale.
- › N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with J6106ACERT.



Product #	Drive Size (in)	Torque Range (in-lbs)	Increments (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6106A	1/4	7-36	1	1-1/4	1-1/4	6-1/2	1.00
J6106ACERT	1/4	7-36	1	1-1/4	1-1/4	6-1/2	1.00

ASME B107.14M

DIAL TORQUE WRENCHES - IN-LBS/CM-KG

- › 6-30 in-lbs. thru 120-600 in-lbs. / 7-35 cm-kg thru 140-700 cm-kg.
- › Accurate to $\pm 4\%$ of torque reading in both directions at 20% to 100% of full scale.
- › Industrial all steel or aluminum torque transfer components.
- › High alloy torsion drive design — accuracy not effected by hand position.
- › Dual scale (English/Metric) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- › Memory needles are standard on all wrenches except electric light models.
- › Easy-to-read, high contrast scale.
- › Laser marked serial number for traceability.
- › N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.



Product #	Drive Size (in)	Torque Range (metric)	Torque Range (in-lbs)	Increments (in-lbs)	Overall Length (in)	Weight (lbs)
J6168F	1/4	7-35 cm-kg	6-30	0.5	10	1.00
J6169F	1/4	18-90 cm-kg	15-75	1	10	1.40
J6177F	3/8	56-280 cm-kg	50-250	5	10	1.30
J6181F	3/8	140-700 cm-kg	120-600	10	10	2.20


JIS B4650 ISO 6789 ASME B107.14M

DIAL TORQUE WRENCHES - FT-LBS/MKG

- › Accurate to ± 4% of torque reading in both directions at 20% to 100% of full scale.
- › Industrial all steel or aluminum torque transfer components.
- › High alloy torsion drive design — accuracy not effected by hand position.
- › Dual scale (English/Metric) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- › Memory needles are standard on all wrenches except electric light models.
- › Easy-to-read, high contrast scale.
- › Laser marked serial number for traceability.
- › N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.
- › J6133F and J6141F include one removeable extension handle for easy force application.
- › J6149F includes five removeable extensions (requires two operators) and electric LED and buzzer.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (metric)	Increments (ft-lbs)	Overall Length (in)	Weight (lbs)
J6113F	3/8	10-50	1.4-7 mkg	1	10-1/4	2.20
J6121F	1/2	35-175	5-24 mkg	5	21-1/2	4.00
J6125F	1/2	50-250	7-35 mkg	5	21-1/2	3.80
J6134F	3/4	70-350	—	10	27-7/8	7.10
J6133F	3/4	120-600	16-80 mkg	10	46-1/2	9.90
J6141F	1	200-1000	28-140 mkg	20	74-1/4	27.00
J6149F	1	400-2000	56-280 mkg	40	110-3/4	48.00


 JIS B4650 ISO 6789 ASME B107.14M

DIAL TORQUE WRENCHES - NM/IN-LBS, FT-LBS

- › 2-10 Nm thru 50-250 Nm / 18-90 in-lbs. thru 35-175 ft-lbs
- › Accurate to ± 4% of torque reading in both directions at 20% to 100% of full scale.
- › Industrial all steel or aluminum torque transfer components.
- › High alloy torsion drive design — accuracy not effected by hand position.
- › Dual scale (Metric/English) with clockwise and counterclockwise operation — fewer wrenches needed to complete job.
- › Memory needles are standard on all wrenches except electric light models.
- › Easy-to-read, high contrast scale.
- › Laser marked serial number for traceability.
- › N.I.S.T. (National Institute of Standards and Technology) traceable CW certification supplied with each wrench.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (Nm)	Overall Length (in)	Weight (lbs)
J6169NMF	1/4	—	18-90	2-10	0.2	10	1.30
J6177NMF	3/8	—	50-250	6-30	0.5	10	1.50
J6113NMF	3/8	10-50	—	14-70	2	14-7/8	2.10
J6121NMF	1/2	35-175	—	50-250	5	21-1/2	4.00

 ASME B107.14M

DIAL ELECTRONIC TORQUE WRENCHES - IN-LBS, FT-LBS

- › Extended operation range in ft-lbs., in-lbs. and Nm units.
- › Precision Accuracy: + / - 1% in BOTH directions.
- › Accuracy valid from 10% to 100% of full scale.
- › Large easy to read digits.
- › Patented rotary bezel. LCD and key pad rotate both ways, up to 359 degrees for easy viewing.
- › Torque target zone adjustable 1% to 10% indicates when the desired torque limit is approaching.
 - › Yellow light indicates the low end of the zone
 - › Green light and buzzer sounds when the target is reached
 - › Red Light with intermittent buzzer indicates over-torqued
- › One button target torque setting.
- › Ergonomically designed for user comfort.
- › Operates on standard 9 volt battery.
- › Torsion drive strain gauge technology improves accuracy.
- › Users can pull on the handle anywhere and still maintain accuracy.
- › Built on durable chrome body (not painted) with nylon-6 rotary bezel.
- › Rotary dial is shrouded with metal walls to protect display.
- › Peak, hold and track modes standard.
- › Fast sampling rate helps maintain high accuracy during torque applications.
- › Easy to use by production line or quality control inspector.



J6345



J6345B

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6339	1/4	0.63-6.25	7.5-75	0.84-8.47	0.01	0.01	0.01	3	2-1/2	11	1.40
J6342	1/4	0.83-8.33	10-100	1.11-11.13	0.01	0.1	0.01	3	2-1/2	11	1.40
J6345	3/8	2.1-21	25-250	2.8-28.2	0.01	0.1	0.01	3	2-1/2	11	1.40
J6345A	3/8	5-50	60-600	6.78-67.8	0.01	0.1	0.1	3	2-1/2	11	1.40
J6345B	1/2	10-100	120-1200	13.3-133.5	0.01	1	1	3	4	22	2.80
J6346	1/2	25-250	300-3000	33.8-338	0.1	1	0.1	3	4	22	2.80
J6347	3/4	60-600	720-7200	81-813	0.1	1	0.1	3	4	22	2.80
J6349	1	100-1000	-	140-1400	-	-	-	4	5	77	20.00
J6351	1	200-2000	-	271-2700	-	-	-	4	5	125	46.00

ASME B107.300



J6351

ELECTRONIC FIXED RATCHETING HEAD TORQUE WRENCHES

- › Accuracy of +/- 2% of indicated value in both clockwise and counter clockwise directions.
- › Broad accuracy range extends from 10% of Full Scale to 100% of Full Scale to help reduce the number of torque wrenches required.
- › Ninety-nine "on-board" memory storage locations help improve efficiency when taking multiple torque readings.
- › Three units of measure are available (Ft-lb, In-lb, and Nm).
- › Three operating modes: Track Mode, Peak Hold and Auto Clear.
- › Fast sampling rate helps maintain high accuracy during torque applications.
- › Torque wrench head rotates to allow for easy viewing of LCD display.
- › Easy to read LCD Display with large digits.
- › 3-way Red/Green/Yellow lights.
- › Yellow light appears at the low end of the zone.
- › Green light appears and buzzer sounds when the target is reached.
- › Red light appears with intermittent buzzer when it is over torqued.
- › An audible buzzer helps identify when desired torque target zones are approaching and met.
- › Target torque zone is adjustable from 1% to 10% of targeted torque value.
- › Fixed ratcheting head features a robust 24-tooth design with 15° arc swing, alloy steel drive gear for strength and durability, low profile for easy access and a reversing lever design for quick, one-hand operation.
- › Ergonomically designed, comfortable cushion grip.



Product #	Size (in)	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
JH4-250R	17/40	1/4	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	1-3/4	2	20-1/2	2.50	4 AA included
JH5-100FR	14/25	3/8	10-100	20-1200	13.6-135.6	0.1	1	0.1	1-3/4	2	20-1/2	2.70	4 AA included
JH7-250FR	61/83	1/2	25-250	300-3000	33.9-338.9	0.1	1	0.1	1-3/4	2	27-3/4	3.30	4 AA included

ASME B107.300

ELECTRONIC TORQUE WRENCH SOFTWARE AND USB INTERFACE

- › Proto® Software allows for full two-way communication between the torque wrench and a laptop or desktop computer.
- › Add-on the software and plug in the cable for full computer interface.
- › All data captured by the torque wrench can be downloaded directly into a spreadsheet: either all at once from on-board memory or one reading at a time.
- › Control all settings on the torque wrench from the wrench or computer.
- › Software includes CD and connection cable which interfaces with computer's RS-232 connection.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
JH600SW	5	1-3/4	5	0.60

Use With: JH4-250, JH4-250R, JH5-100F, JH5-100FR, JH7-250F, JH7-250FR, J6470-C, J6472-C, J6474-C, J6476-C, J6478-C

DIGITAL ANGLE ADAPTER

- › Digital angle value readout.
- › Ultra simple use: autotest and reset upon powering on.
- › Adapter magnetized so it attaches to all types of ratchets.
- › +/-2° accuracy (rotating 90° at speed of 30° / sec).
- › +/-2% clockwise and counter clockwise for torque accuracy.
- › LEDs for easy viewing of results and audible beep when desired level is reached.
- › Buzzer and LED indicator for the 9 pre-settable target torques.
- › 50 data memory for recall and joint torque auditing.
- › Auto Sleep after about 2 minutes idle.
- › Both AAA and rechargeable batteries are compatible.



Product #	Overall Length (in)	Weight (lbs)	Battery Type	Storage Case
J6300TWA	2-9/32	0.50	2 AAA included	J6300PB

ASME B107.300

DIGITAL TORQUE AND ANGLE ADAPTERS

- › Torque and angle tightening with one tool: productivity improvement, digital display minimizes reading errors, and delivers high precision.
- › +/-2° (rotating 90° at speed of 30° / sec) for angle accuracy.
- › +/-3% clockwise or +/-4% counter clockwise for torque accuracy.
- › LEDs for easy viewing of results and audible beep when desired level is reached.
- › Buzzer and LED indicator for the 9 pre-settable target torques or angles.
- › Five Units Selectable (N.m, ft-lb, in.lb, kg.cm, degree).
- › 50 data memory for recall and joint torque-angle auditing.
- › Auto Sleep after about 2 minutes idle.
- › Both AAA and rechargeable batteries are compatible.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Overall Length (in)	Weight (lbs)	Battery Type	Storage Case
J6280TA100	3/8	5-99.5	60-1195	6.8-135	3-23/64	0.70	2 AAA included	J6310PB
J6280TA150	1/2	7.4-147.5	88-1770	10-200	3-23/64	0.70	2 AAA included	J6415PB
J6280TA250	1/2	12.5-250.7	150-3009	17-340	3-23/64	0.70	2 AAA included	J6425PB

ASME B107.300

3/8" DRIVE 9 PIECE TORQUE ADAPTER SET - 12 POINT

- › Designed for easy torque calibrations.
- › Adapters measure 2" from the center of the square drive to the center of the adapter opening.
- › Special heat-treated alloy steel helps to increase strength and durability.
- › Box end wall thickness is specially engineered to provide strength while still allowing ample room for access to reach difficult fasteners.
- › 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.



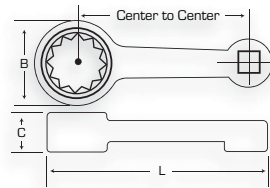
Product #	Drive Size (in)	Weight (lbs)
J5100	3/8	1.32



AS954E S3.8.1

3/8" DRIVE TORQUE ADAPTERS - 12 POINT

- › Designed for easy torque calibrations.
- › Adapters measure 2" from the center of the square drive to the center of the adapter opening.
- › Special heat-treated alloy steel helps to increase strength and durability.
- › Box end wall thickness is specially engineered to provide strength while still allowing ample room for access to reach difficult fasteners.
- › 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.



Product #	Size (in)	Drive Size (in)	Head Width (in) (B)	Head Depth (in) (C)	Overall Length (in) (L)	Weight (lbs)
J5112	3/8	3/8	9/16	17/64	2-11/16	0.08
J5114	7/16	3/8	21/32	19/64	2-47/64	0.10
J5116	1/2	3/8	47/64	21/64	2-25/32	0.10
J5118	9/16	3/8	13/16	23/64	2-13/16	0.12
J5120	5/8	3/8	29/32	25/64	2-55/64	0.12
J5122	11/16	3/8	1	27/64	2-29/32	0.12
J5124	3/4	3/8	1-5/64	29/64	2-61/64	0.12
J5126	13/16	3/8	1-11/64	31/64	2-63/64	0.14
J5128	7/8	3/8	1-17/64	33/64	3-1/32	0.16



AS954E S3.8.1



ELECTRONIC TORQUE TESTERS

- › Use to test all types of torque wrenches in all types of settings where full scale calibration is needed or where a quick Pass/Fail check is required.
- › Accuracy of +/- 1% of indicated value in both clockwise and counter clockwise directions.
- › Broad accuracy range extends from 10% to 100% of full scale.
- › Three units of measure are available ft-lb, in-lb, and Nm.
- › Three operating modes: Track Mode, Peak Hold and First Peak (for use with Click-style Torque wrenches).
- › Fast sampling rate helps maintain high accuracy during torque applications.
- › Each tester is built with a male square drive and also comes supplied with a female-to-female square drive adapter.
- › Powered by a standard 9V battery, providing up to 50 hours run time.
- › N.I.S.T. (National Institute of Standards and Technology) traceable certification supplied with each tester.
- › Optional all-steel stand (J6470S) provides a strong support with minimal footprint.



ELECTRONIC USB TORQUE TESTERS

- › Powers the tester via USB cable.
- › Recharges Internal Nimh battery.
- › Allows communication with computer for downloading torque readings via communication port on computer. Use with JH6000SW.
- › An extensive two-way communication command set (ASCII text commands) that can control the tester remotely, from a computer, using any third party communication program (including Hyperterminal).
 - › Set target torque remotely.
 - › Set units remotely.
 - › Set target tolerance remotely.
 - › Set mode (track, peak, first peak) remotely.
 - › Query torque value remotely.
 - › Clear the Display remotely.
 - › Get (call) torque value remotely by sending a Carriage Return to tester.
- › 100 torque reading memory (torque value saved to memory when save key is pressed on keypad).

Product #	USB Version #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (in-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall			Battery Type
											Length (in)	Weight (lbs)		
J6470	J6470-C	1/4	0.42-4.17	5-50	0.56-5.65	0.01	0.01	0.01	6	4-1/2	6	6.00	9 volt included	
J6472	J6472-C	3/8	2.1-20.8	25-250	2.8-28.2	0.01	0.1	0.01	6	4-1/2	6	6.00	9 volt included	
J6474	J6474-C	3/8	5-50	60-600	6.78-67.8	0.01	0.1	0.1	6	4-1/2	6	6.00	9 volt included	
J6476	J6476-C	1/2	25-250	300-3000	33.8-338	0.1	1	0.1	6	4-1/2	6	6.00	9 volt included	
J6478	J6478-C	3/4	60-600	720-7200	81.3-813	0.1	1	0.1	6	4-1/2	6	6.00	9 volt included	



ASME B107.300

TORQUE TESTER FLOOR STAND

- › Floor stand for Proto® Torque Testing systems makes installation quick and easy.
- › All steel construction.
- › Mounting holes predrilled to match Proto® test systems.
- › Floor mount holes are pre-drilled for securing to the floor.
- › Small footprint for space saving economy.
- › Durable powder coated paint.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6470S	7	32	4	20.00

Use With: J6470, J6472, J6474, J6476, J6478



ELECTRONIC TORQUE METER

- › The Proto® Electronic Torque Meter is a true all-in-one torque meter.
- › The Proto® Electronic Torque Meter provides the maximum flexibility in lab and production applications. This system meets a broad range of needs from demanding users.
- › It can help eliminate the need for multiple electronic torque wrenches and testers. The system grows as the demands of the user grow.
- › Ideal for use in production (application of torque), quality control (verification of torque) and for the calibration and or verification of torque wrench accuracy (calibration labs and kit rooms).
- › Easy to learn and use. Anyone can be up and running in seconds. Unit designed with the end user in mind.

Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)	Battery Type
J6360	3-1/4	2	7-1/4	2.34	9 volt included

ASME B107.300



1.0% IN-LINE EXTENSION TRANSDUCERS

- › In-line extension transducers, connect between a wrench and a socket to measure the torque that is applied to a fastener.
- › This versatile type of transducer converts a hand held torque meter (J6360) into a highly accurate digital torque wrench.
- › In-line transducers can also be used as torque wrench testers when mounted to a fixture.

Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Use With	Weight (lbs)
J6361	3/8	–	25-250	1-1/4	3-1/4	1-1/4	J6360	0.52
J6362	3/8	5-50	–	1-1/4	3-1/4	1-1/4	J6360	0.55
J6363	1/2	15-150	–	1-7/16	3-5/8	1-7/16	J6360	0.79
J6364	1/2	25-250	–	1-7/16	3-5/8	1-7/16	J6360	0.89

ASME B107.300



0.5% BENCH MOUNT TRANSDUCERS

- › “Plug and play” torque transducers. Automatic set-up of transducers means user friendly operation and less down time.
- › Versatile all-in-one unit can be used as both an accurate torque wrench and as an accurate torque tool tester. No need to own separate torque testers and electronic torque wrenches.
- › First peak of torque mode allows hand calibration of click type torque wrenches.
- › Memory for traceability.



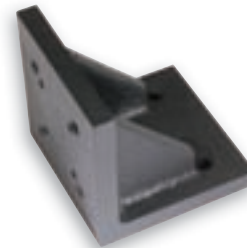
Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (in-lbs)	Width (in)	Height (in)	Overall Length (in)	Use With	Weight (lbs)
J6365	1/4	–	10-100	2-3/4	2-1/4	2-3/4	J6360	0.90
J6366	3/8	–	25-250	2-3/4	2-3/4	2-3/4	J6360	0.83
J6367	3/8	5-50	–	2-3/4	2-3/4	2-3/4	J6360	1.13
J6368	1/2	25-250	–	4	3-3/4	4	J6360	3.14
J6369	3/4	50-500	–	4	4-5/8	4	J6360	3.16
J6371	1/4	–	5-50	2-3/4	2-1/4	2-3/4	J6360	0.60
J6372	1/2	15-150	–	4	3-3/4	4	J6360	0.60
J6373	3/4	60-600	–	4	4-5/8	4	J6360	0.90
J6374	1	100-1000	–	6	5	8-1/2	J6360	0.90
J6375	1	200-2000	–	6	5	8-1/2	J6360	0.90



ASME B107.300

BRACKET FOR BENCH MOUNT TRANSDUCERS

- › Heavy-duty mounting bracket for bench mount transducers.
- › Use up to 600 ft-lbs.



Product #	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6370	5	5	5	5.75

Use With: J6365, J6366, J6367, J6368, ASME B107.300
J6369, J6371, J6372, J6373, J6374, J6375

TORQUE MULTIPLIER DISPLAY WRENCHES

- › When placed between the torque multiplier and the fastener, the Proto® Torque Multiplier Display Wrench will display the actual torque applied to the fastener.
- › Precision Accuracy: + / - 1% in BOTH directions.



Product #	Drive Size (in)	Torque Range (ft-lbs)	Torque Range (Nm)	Increments (ft-lbs)	Increments (Nm)	Width (in)	Height (in)	Overall Length (in)	Weight (lbs)
J6349A	1	100-1000	133-1335	1	1	4	5	44	15.00
J6352	1	200-2000	267-2670	1	1	4	5	24	15.00

TORQUE MULTIPLIERS 750 FT-LBS

- › Maximum rated input: 227 ft-lbs. (308 Nm).
- › Maximum rated output: 750 ft-lbs. (1017 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: tubular reaction bar.
- › Gear system: single stage planetary.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)
J6202A	1/2	3/4 Sq. Male	1:3.33	3-3/32	2-13/16	5-1/4	8-19/32	4.00
J6202ACERT	1/2	3/4 Sq. Male	1:3.33	3-3/32	2-13/16	5-1/4	8-19/32	4.00

TORQUE MULTIPLIERS 1200 FT-LBS

- › Maximum rated input: 200 ft-lbs. (271 Nm).
- › Maximum rated output: 1200 ft-lbs. (1626 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: tubular reaction bar.
- › Gear system: single stage planetary.
- › Angle of turn protractor: 5° increments.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6212	1/2	3/4 Sq. Male	1:6	4	3-15/16	14-1/8	19-19/32	9.10	J6212RD
J6212CERT	1/2	3/4 Sq. Male	1:6	4	3-15/16	14-1/8	19-19/32	9.10	J6212RD

TORQUE MULTIPLIERS 2200 FT-LBS

- › Maximum rated input: 162 ft-lbs. (220 Nm).
- › Maximum rated output: 2200 ft-lbs. (2983 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: tubular reaction bar.
- › Gear system: two stage planetary.
- › Angle of turn protractor: 5° increments.
- › Anti-backlash device: self-contained, 3 position.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6222	1/2	1 Sq. Male	1:13.6	5-3/4	4-1/16	14-1/8	19-19/32	15.20	J6222RD
J6222CERT	1/2	1 Sq. Male	1:13.6	5-3/4	4-1/16	14-1/8	19-19/32	15.20	J6222RD

TORQUE MULTIPLIERS 3200 FT-LBS

- › Maximum rated input: 173 ft-lbs. (235 Nm).
- › Maximum rated output: 3200 ft-lbs. (4338 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: tubular reaction bar.
- › Gear system: two stage planetary.
- › Angle of turn protractor: 5° increments.
- › Anti-backlash device: self-contained, 3 position.



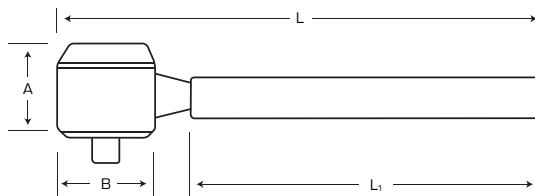
Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Handle Length (in) (L1)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6232	1/2	1 Sq. Male	1:18.5	6-1/2	4-1/16	14-1/8	19-19/32	18.30	J6232RD
J6232CERT	1/2	1 Sq. Male	1:18.5	6-1/2	4-1/16	14-1/8	19-19/32	18.30	J6232RD

TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 2200 FT-LBS

- › Maximum rated input: 162 ft-lbs. (220 Nm).
- › Maximum rated output: 2200 ft-lbs. (2983 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: reaction plate with slave drive
- › Gear system: two stage planetary.
- › Anti-backlash device: self-contained, 3 position.
- › Can be used for Mack truck leaf springs.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6234	1/2	1 Sq. Male	1:13.6	5-1/2	4-7/8	14	17.20	J6222RD



TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 5000 FT-LBS

- › Maximum rated input: 189 ft-lbs. (256 Nm).
- › Maximum rated output: 5000 ft-lbs. (6778 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: reaction plate with slave drive.
- › Gear system: three stage planetary.
- › Anti-backlash device: self-contained, 3 position.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6242	1/2	1-1/2 Sq. Male	1:26.5	8-3/4	5-5/8	14-29/32	34.00	J6242RD

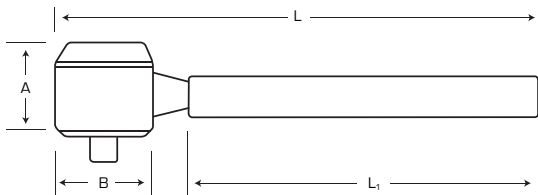


TORQUE MULTIPLIER - REACTION PLATE SYSTEM - 8000 FT-LBS

- › Maximum rated input: 154 ft-lbs. (209 Nm).
- › Maximum rated output: 8000 ft-lbs. (10846 Nm).
- › Standard torque accuracy is +/- 5% of reading.
- › Reaction system: reaction plate with slave drive.
- › Gear system: three stage planetary.
- › Anti-backlash device: self-contained, 3 position.



Product #	Input Drive (in)	Output Drive (in)	Torque Ratio	Head Depth (in) (A)	Head Length (in) (B)	Overall Length (in) (L)	Weight (lbs)	Repair Kit
J6252	1/2	1-1/2 Sq. Male	1:52	10-3/4	5-13/16	15-3/16	50.30	J6252RD



TORQUE MULTIPLIER SQUARE DRIVE REPLACEMENT KITS

- ▶ Proto® Torque Multipliers provide overload protection with replaceable output square drives that are designed to twist off at 3%-10% over maximum output capacity.

Product #	Drive Size (in)	Use With	Weight (lbs)
J6212RD	3/4	J6212, J6212CERT	0.20
J6222RD	1	J6222, J6222CERT, J6234	0.53
J6232RD	1	J6232, J6232CERT	0.56
J6242RD	1-1/2	J6242	1.55
J6252RD	1-1/2	J6252	1.72



ACCESSORY AIR DRIVE 200 FT-LBS

- ▶ Powered input to a torque multiplier can reduce operator fatigue, increase productivity.
- ▶ Designed to drive Proto® Torque Multipliers (except J6202A).
- ▶ Maximum torque output: 200 ft-lbs. (271 Nm).
- ▶ Maximum running air pressure: 60 PSI.
- ▶ Output free speed: 70 RPM.
- ▶ Output rotation: clockwise and counterclockwise.

Product #	Drive Size (in)	Output Drive (in)	Maximum Diameter (in)	Overall Length (in)	Weight (lbs)
J6201	1/4	1/2 Sq. Male	3-1/8	16-1/4	11.00



AIR DRIVE CONVERTER 200 FT-LBS

- ▶ Powered input to a torque multiplier can reduce operator fatigue, increase productivity.
- ▶ Designed to drive Proto® Torque Multipliers (except J6202A) when used with an air or electric drive tool.
- ▶ Not designed for use with Impact Tools.
- ▶ Maximum torque output: 200 ft-lbs. (271 Nm).
- ▶ Maximum torque input: 38 ft-lbs. (52 Nm).

Product #	Drive Size (in)	Input Drive (in)	Output Drive (in)	Torque Ratio	Diameter (in)	Overall Length (in)	Weight (lbs)
J6203	1/2	1/2	1/2 Sq. Male	1:5.2	3-1/8	4	5.50

