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STRENGTH

Enclosed head design seals out contaminants for improved performance and life

STRENGTH

Torque wrap design reduces stress on gear and pawl teeth

SAFETY

Rubber seal between ratchet head and tube keeps lubrication in and contaminants out of the torque mechanism, assuring accuracy and repeatability

ACCESS

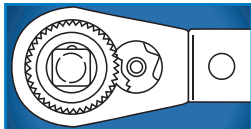
Interchangeable heads available

SPEED & SAFETY

Detent locking ring allows easy setting of desired torque and prevents accidental change of torque setting during use

SAFETY

Lightly knurled and grooved handles provide non-slip grip and comfort



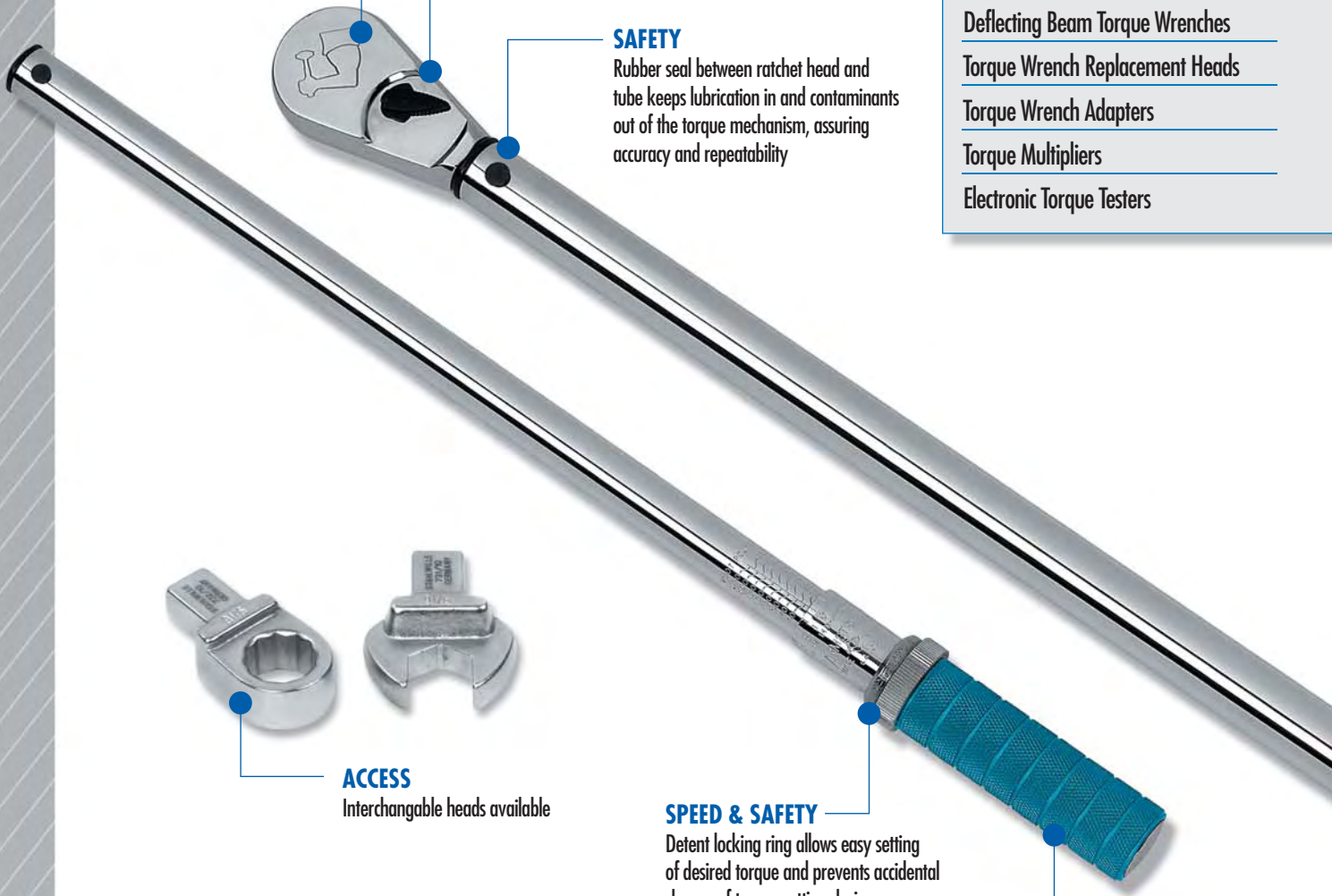
SAFETY

Single pawl, double-tooth design will not operate in neutral position



SAFETY

Innovative linear ball-bearing system eliminates friction between the spring and case for greater accuracy and repeatability
Produces a crisp audible "click" over entire torque range



ELECTRONIC

TORQUE WRENCH



STRENGTH

Thin profile sealed tear drop ratchet head for better access, increased strength and improved dirt infiltration

PRODUCTIVITY

LCD Screen with Backlight for easy reading of torque values enclosed in a shock resistant housing

Convert Units (ft.lb., in.lb., N.m.)

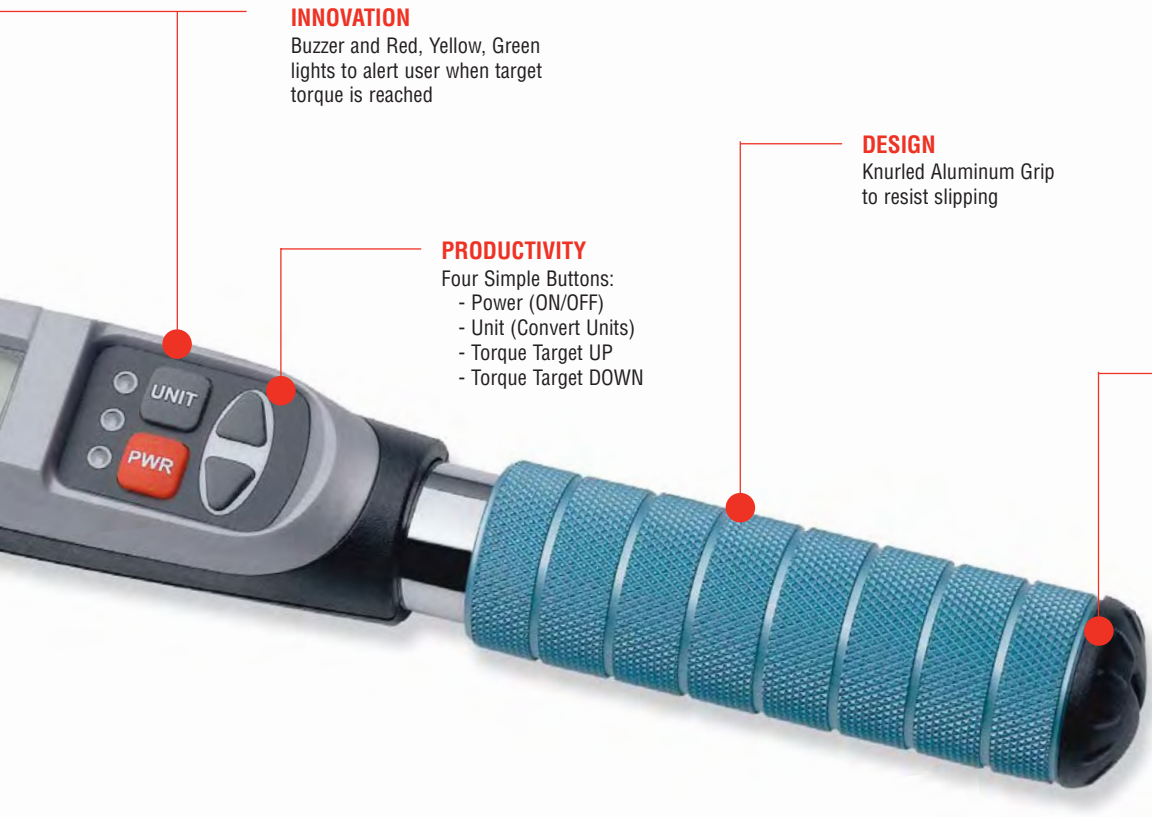
ACCURACY

+/- 2% CW, +/- 3% CCW from 20% to 100% of rated capacity ASME B107.28 - 2005 Certificate included

PRODUCTIVITY

60 tooth gear with 6° ratcheting arc





INNOVATION

Buzzer and Red, Yellow, Green lights to alert user when target torque is reached

PRODUCTIVITY

- Four Simple Buttons:
- Power (ON/OFF)
 - Unit (Convert Units)
 - Torque Target UP
 - Torque Target DOWN

DESIGN

Knurled Aluminum Grip to resist slipping

DESIGN

Operates on 4 AAA Alkaline batteries for up to 40 hours of continuous operation



3/8" Drive Electronic Torque Wrench

Product Number	PRIMARY SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit
	Range	Incr.			less tang	with tang			
64-534	10-100 ft.lb.	1 ft.lb.	1.240	2.300	0.480	0.960	17.750	3.20	11-982
	120-1200 in.lb.	1 in.lb.							
	13.6-135.6 N.m.	1 N.m.							

ASME B107.28 Certificate included



1/2" Drive Electronic Torque Wrench

Product Number	PRIMARY SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit
	Range	Incr.			less tang	with tang			
64-544	25-250 ft.lb.	1 ft.lb.	1.810	2.930	0.650	1.310	26.500	4.80	12-982
	300-3000 in.lb.	1 in.lb.							
	33.9-339 N.m.	1 N.m.							

ASME B107.28 Certificate included


Armstrong Torque Wrenches offer precise torque application in an easy-to-use durable design

Armstrong Micrometer "Click" style torque wrenches are forged, heat treated, and assembled in the USA using high alloy, domestically produced steel. Manufactured to rigid specifications ensures torque wrenches are of unequalled strength, durability, and accuracy.

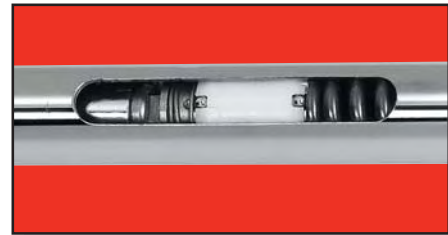
10° Ratcheting angle permits use in confined areas

Rubber seal keeps lubrication in, contaminants out of torque mechanism assuring accuracy of +/- 3% and repeatability

Chrome-plated, hardened steel body for strength and durability



Sturdy blow-mold storage case provides long-term protection


INNOVATIVE LINEAR BALL BEARING SYSTEM

- Eliminates friction between the spring and case for greater accuracy and repeatability
- Eliminates speed sensitivity errors
- Produces a "Crisp, Audible Click" over the entire torque range

Easy to Read Dual Scales

- Primary scale in SAE
- Secondary scale in Metric

Detent-style locking collar prevents the accidental change of settings

Torque Wrench Tubes

Lightly knurled & grooved handle provides a comfortable, non-slip grip



* Now Available:
Interchangeable Heads


Torque Screwdriver

- Torque Screwdriver models have an accuracy +/- 6% clockwise (20-100% of full range).
- Clutch type release mechanism prevents overtorquing. Includes - 1/4" female hex adapter.
- Available in Pre-Set - Special Order.

Micrometer Torque Wrenches
ACCURACY OF +/-3% CLOCKWISE (20-100% OF FULL RANGE)

- Provides precise torque application (Counterclockwise calibration available on special order)

HEAD DESIGN SPECIFICALLY FOR TORQUE WRENCHES

- Enclosed Head
 - Seals out dirt and contaminants
- Torque Wrap Design
 - Reduces stress on gear teeth and pawls for longer life
- 10° ratcheting angle
 - Permits use in confined areas

OPERATING / DESIGN CAPABILITIES

- Innovative linear ball bearing mechanism
 - Assures superior accuracy and repeatability by eliminating friction between the spring and case; Eliminates speed sensibility errors
 - Produces a crisp, audible click over the entire torque range
- Rubber seal between ratchet head and tube
 - Keeps lubrication in, dirt and contaminants out assuring accuracy and repeatability
- Detent-style locking collar
 - Allows for ease in setting desired torque; Prevents the accidental change of settings
- Handles are lightly knurled and grooved; Provides comfortable, non-slip grip





Micrometer Torque Wrenches



1/4" Drive Micrometer Adjustable Torque Wrenches, Ratchet Head

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
		Range	Incr.	Range	Incr.			less tang	with tang				
64-031	64-931	5-50 in.lb.	1 in.lb.	0.58-6.21 N.m.	0.11 N.m.	1.063	1.672	0.469	0.813	8.000	0.71	64-036	64-293
64-032	64-932	30-200 in.lb.	1 in.lb.	4-23 N.m.	0.11 N.m.	1.063	1.672	0.469	0.813	9.500	0.76	64-036	64-293
64-038	64-938	4-25 N.m.	0.1 N.m.	—	—	1.063	1.672	0.469	0.813	9.500	0.76	64-036	64-293

ASME B107.14M ISO 6789



3/8" Drive Micrometer Adjustable Torque Wrenches, Ratchet Head

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
		Range	Incr.	Range	Incr.			less tang	with tang				
64-041	64-941	50-250 in.lb.	1 in.lb.	6-29 N.m.	0.11 N.m.	1.063	1.672	0.469	0.969	9.500	0.76	64-077	64-293
64-042	64-942	100-1000 in.lb.	5 in.lb.	14-116 N.m.	0.6 N.m.	1.500	2.125	0.563	1.063	17.100	2.05	64-078	64-295
64-046	64-946	10-100 ft.lb.	0.5 ft.lb.	17-139 N.m.	0.7 N.m.	1.500	2.125	0.563	1.063	17.100	2.05	64-078	64-295
64-049	64-949	10-100 N.m.	1 N.m.	—	—	1.500	2.125	0.563	1.063	17.100	2.05	64-078	64-295

ASME B107.14M ISO 6789



1/2" Drive Micrometer Adjustable Torque Wrenches, Ratchet Head

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
		Range	Incr.	Range	Incr.			less tang	with tang				
64-081	64-981	240-1800 in.lb.	12 in.lb.	34-210 N.m.	1.4 N.m.	1.750	3.125	0.766	1.438	20.500	2.45	64-092	64-297
64-082	64-982	300-3000 in.lb.	18 in.lb.	43-348 N.m.	2.03 N.m.	1.750	3.125	0.766	1.438	20.500	2.45	64-092	64-297
64-084	64-984	10-100 ft.lb.	0.5 ft.lb.	17-139 N.m.	0.7 N.m.	1.500	2.125	0.563	1.250	17.100	2.05	64-091	64-295
64-085	64-985	10-150 ft.lb.	1 ft.lb.	20-210 N.m.	1.4 N.m.	1.750	3.125	0.766	1.438	20.500	2.45	64-092	64-297
64-086	64-986	25-250 ft.lb.	1 ft.lb.	43-348 N.m.	1.4 N.m.	1.750	3.125	0.766	1.438	24.000	2.45	64-092	64-298
64-089	64-989	40-340 N.m.	2 N.m.	—	—	1.750	3.125	0.766	1.438	24.000	2.45	64-092	64-298

ASME B107.14M ISO 6789



3/8" Drive Micrometer Adjustable Torque Wrench, Flex Head Ratcheting

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
		Range	Incr.	Range	Incr.			less tang	with tang				
64-146	64-954	5-75 ft.lb.	0.5 ft.lb.	10.1-105.1	0.7 N.m.	1.500	2.750	0.563	1.063	19.000	2.95	64-078	64-295



1/2" Drive Micrometer Adjustable Torque Wrench, Flex Head Ratcheting

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
		Range	Incr.	Range	Incr.			less tang	with tang				
64-186	64-958	25-250 ft.lb.	1 ft.lb.	43-348 N.m.	1.4 N.m.	1.750	3.500	0.766	1.438	27.000	4.65	64-092	64-298



3/4" Drive Micrometer Adjustable Torque Wrenches, Ratchet Head

Product Number	Certified Model No.	PRIMARY SCALE		ALTERNATE SCALE		Head Width (in.)	Head Length (in.)	Head Thickness		Length, Inches	Weight lbs.
		Range	Incr.	Range	Incr.			less tang	with tang		
64-094	64-994	50-400 ft.lb.	2.5 ft.lb.	85-559 N.m.	3.4 N.m.	2.450	3.063	1.700	2.620	33.000	9.62
64-095	64-995	100-600 ft.lb.	2.5 ft.lb.	153-830 N.m.	3.4 N.m.	2.450	3.063	1.700	2.620	40.500	10.72
64-099	64-999	150-800 N.m.	2.5 N.m.	—	—	2.450	3.063	1.700	2.620	40.500	10.72

ASME B107.14M ISO 6789



Pre-Set Torque Wrenches, Ratchet Head

Torque settings must be pre-set by making a simple internal adjustment, using a torque tester to verify the value. Designed for repetitive use in production applications where inadvertent changes to the wrench setting are to be avoided. Rubber grip provides added comfort in repetitive situations.

Product Number	Drive Size	Torque Range	Torque Range	Head Width (in.)	Head Length (in.)	Head Thickness (in.)		Length, Inches	Weight lbs.	Ratchet Rep. Kit	Blow Mold Case
64-212	1/4"	30-200 in.lb.	4-25 N.m.	1.063	1.672	0.469	0.813	9.500	0.76	64-036	64-293
64-221	3/8"	50-250 in.lb.	6-29 N.m.	1.063	1.672	0.469	0.969	9.500	0.76	64-077	64-293
64-226	3/8"	10-100 ft.lb.	17-139 N.m.	1.500	2.125	0.563	1.063	17.100	2.05	64-078	64-295
64-236	1/2"	25-250 ft.lb.	43-348 N.m.	1.750	3.125	0.766	1.438	22.500	2.45	64-092	64-298
64-238	3/4"	100-650 ft.lb.	150-880 N.m.	2.450	3.063	1.700	2.620	41.800	11.00	—	—

ASME B107.14M Certificate available upon request

1/4" Torque Screwdrivers

Accuracy of +/-6% clockwise (20-100% of full range). Provides precise torque application. Clutch type release mechanism prevents over-torquing.

Product Number	Certified Model No.	PRIMARY SCALE		Length, Inches	Weight lbs.
		Range	Incr.		
64-002	64-902	20-100 in./oz.	2 in./oz.	6.800	0.79
64-005	64-905	6-36 in.lb.	0.5 in.lb.	6.800	0.79

Includes 1/4" Drive female hex adapter. Comes in blow molded case.

ASME B107.14M



Micrometer Adjustable Torque Wrench Tubes – Interchangeable Head

Product Number	Drive Size	PRIMARY SCALE		ALTERNATE SCALE		Insert Size	Length, Inches	Weight lbs.	Blow Mold Case
		Range	Incr.	Range	Incr.				
64-152	3/8"	150-750 in.lb.	5 in.lb.	-	-	9 x 12mm	10.500	1.85	64-295
64-154	3/8"	5-75 ft.lb.	0.5 ft.lb.	10.1-105.1 N.m.	0.7 N.m.	9 x 12mm	10.500	1.85	64-295
64-156	1/2"	300-3000 in.lb.	12 in.lb.	43-348 N.m.	1.4 N.m.	14 x 18mm	22.500	2.15	64-297
64-158	1/2"	25-250 ft.lb.	1 ft.lb.	43-348 N.m.	1.4 N.m.	14 x 18mm	22.500	2.15	64-297

Replacement heads on Page 7-9



Armstrong Torque Wrenches offer precise torque application in an easy-to-use durable design

Armstrong's newly designed dial torque wrenches provide precise, accurate torque measurement in a durable, easy to handle, comfortable wrench.



- Accuracy of +/- 4% in either direction
- Strong, corrosion resistant housing offers long-term performance
- Slim drive end allows easy access to tight spaces
- Large, dual-faced dials are color coded - silver for English, blue for metric - quick readings from any angle
- Rubber handle for comfortable grip (1/4", 3/8", 1/2" models)
- Memory indicator pointer remains at maximum torque for positive verification – valuable to determine breakaway torque
- Extension handle for extra leverage included on 600, 1000, and 2000 ft.lb. models
- Electric light signal and buzzer included on 600, 1000 and 2000 ft.lb. models for distinct audible and visual notification
- Sturdy, blow-mold case provides long-term protection

Comes in blow molded case



All dial torque wrenches include a blow molded case. (64-407 is packaged in a card board box)

1/4" Drive Dial Torque Wrenches

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-302	0-75 in.lb.	1 in.lb.	0-8 N.m.	0.2 N.m.	10.250	1.20

ASME B107.14M ISO 6789

3/8" Drive Dial Torque Wrenches

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-352	0-250 in.lb.	5 in.lb.	0-27 N.m.	0.5 N.m.	10.250	1.30
64-355	0-600 in.lb.	20 in.lb.	0-66 N.m.	2 N.m.	12.500	1.30
64-358	0-50 ft.lb.	1 ft.lb.	0-66 N.m.	2 N.m.	12.500	1.30

ASME B107.14M ISO 6789

1/2" Drive Dial Torque Wrenches

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-402	0-175 ft.lb.	5 ft.lb.	0-225 N.m.	5 N.m.	21.000	2.90
64-405	0-250 ft.lb.	5 ft.lb.	0-330 N.m.	10 N.m.	21.000	2.90

ASME B107.14M ISO 6789

1/2" Drive Dial Torque Wrenches, Ratchet Head

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-407	0-250 ft.lb.	5 ft.lb.	0-330 N.m.	10 N.m.	23.300	3.50

ASME B107.14M ISO 6789

3/4" Drive Dial Torque Wrenches with Wire Dial Guard

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	ALTERNATE SCALE Range	ALTERNATE SCALE Incr.	Length, Inches	Weight lbs.
64-452	0-350 ft.lb.	10 ft.lb.	0-450 N.m.	10 N.m.	47.000	8.30

ASME B107.14M ISO 6789

3/4" Drive Dial Torque Wrenches

Equipped with an extension.

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-455	0-600 ft.lb.	10 ft.lb.	0-800 N.m.	20 N.m.	47.000	8.30
64-458*	0-600 ft.lb.	10 ft.lb.	0-800 N.m.	20 N.m.	47.000	8.30

*Features electric light signal ASME B107.14M ISO 6789

1" Drive Dial Torque Wrench, with Electric Light Signal Dial

Equipped with an extension.

Product Number	PRIMARY SCALE Range	PRIMARY SCALE Incr.	SECONDARY SCALE Range	SECONDARY SCALE Incr.	Length, Inches	Weight lbs.
64-502	0-1000 ft.lb.	20 ft.lb.	0-1325 N.m.	25 N.m.	72.000	12.80

ASME B107.14M ISO 6789



1" Drive Dial Torque Wrench, with Electric Light Signal Dial

Equipped with topside 1" square female drive for use with torque multiplier. Also equipped with 4 extensions.

Product Number	PRIMARY SCALE		SECONDARY SCALE		Length, Inches	Weight lbs.
	Range	Incr.	Range	Incr.		
64-505	0-2000 ft.lb.	50 ft.lb.	0-2650 N.m.	50 N.m.	11.000	42.00

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- Measures torque in both right and left hand directions
- Accuracy +/- 7% of indicated reading

Deflecting Beam Torque Wrenches

Product Number	Drive Size	PRIMARY SCALE		SECONDARY SCALE		Length, Inches	Weight lbs.
		Range	Incr.	Range	Incr.		
64-720*	1/4"	0-60 in/lb	2.5 in/lb	0-70 cm/kg	0.25 cm/kg	11.000	0.50
64-730	3/8"	0-600 in/lb	25.0 in/lb	0-70 N.m.	5 N.m.	15.000	0.80
64-740	1/2"	0-150 ft.lb.	5 ft.lb.	0-200 N.m.	10 N.m.	18.300	1.50

*Ball ended handle


Torque Wrench Replacement Heads

Product Number	Drive Size, Inches	Description	Insert Size, mm
64-303	1/4, 3/8	TW Head Open End 1/4"	9 x 12
64-304	1/4, 3/8	TW Head Open End 5/16"	9 x 12
64-305	1/4, 3/8	TW Head Open End 3/8"	9 x 12
64-306	1/4, 3/8"	TW Head Open End 7/16"	9 x 12
64-307	1/4, 3/8	TW Head Open End 1/2"	9 x 12
64-308	1/4, 3/8	TW Head Open End 9/16"	9 x 12
64-309	1/4, 3/8	TW Head Open End 5/8"	9 x 12
64-310	1/4, 3/8	TW Head Open End 11/16"	9 x 12
64-311	1/4, 3/8	TW Head Open End 3/4"	9 x 12
64-312	1/2	TW Head Open End 7/16"	14 x 18
64-313	1/2	TW Head Open End 1/2"	14 x 18
64-314	1/2	TW Head Open End 9/16"	14 x 18
64-315	1/2	TW Head Open End 5/8"	14 x 18
64-316	1/2	TW Head Open End 11/16"	14 x 18
64-317	1/2	TW Head Open End 3/4"	14 x 18
64-318	1/2	TW Head Open End 13/16"	14 x 18
64-319	1/2	TW Head Open End 7/8"	14 x 18
64-320	1/2	TW Head Open End 15/16"	14 x 18
64-321	1/2	TW Head Open End 1"	14 x 18
64-322	1/2	TW Head Open End 1-1/8"	14 x 18
64-323	1/4, 3/8	TW Head Box End 1/4"	9 x 12
64-324	1/4, 3/8	TW Head Box End 5/16"	9 x 12
64-325	1/4, 3/8	TW Head Box End 3/8"	9 x 12
64-326	1/4, 3/8	TW Head Box End 7/16"	9 x 12
64-327	1/4, 3/8	TW Head Box End 1/2"	9 x 12
64-328	1/4, 3/8	TW Head Box End 9/16"	9 x 12
64-329	1/4, 3/8	TW Head Box End 5/8"	9 x 12
64-330	1/4, 3/8	TW Head Box End 11/16"	9 x 12
64-331	1/4, 3/8	TW Head Box End 3/4"	9 x 12
64-332	1/4, 3/8	TW Head Box End 13/16"	9 x 12
64-333	1/4, 3/8	TW Head Box End 7/8"	9 x 12
64-334	1/2	TW Head Box End 1/2"	14 x 18
64-335	1/2	TW Head Box End 9/16"	14 x 18
64-336	1/2	TW Head Box End 5/8"	14 x 18
64-337	1/2	TW Head Box End 11/16"	14 x 18
64-338	1/2	TW Head Box End 3/4"	14 x 18
64-339	1/2	TW Head Box End 13/16"	14 x 18
64-340	1/2	TW Head Box End 7/8"	14 x 18
64-341	1/2	TW Head Box End 15/16"	14 x 18
64-342	1/2	TW Head Box End 1"	14 x 18

Tubes on Page 7-5



64-750
7 Pc. 3/8" Drive 12 Point Torque Wrench Adapter Set

Approximate Weight, 0.90 lbs.

Product Number	Opening, Inches	Product Number	Opening, Inches
64-752	3/8	64-756	5/8
64-753	7/16	64-757	11/16
64-754	1/2	64-758	3/4
64-755	9/16		



64-700 **METRIC**
4 Pc. 3/8" Drive 12 Point Torque Wrench Adapter Set

Approximate Weight, 0.70 lbs.

Product Number	Opening, mm	Product Number	Opening, mm
64-710	10	64-715	15
64-713	13	64-718	18



3/8" Drive 12 Point Torque Wrench Adapter

Product Number	Opening, Inches	Length, Inches	Weight, lbs.
64-752	3/8	0.500	0.01
64-753	7/16	0.500	0.11
64-754	1/2	0.500	0.11
64-755	9/16	0.500	0.12
64-756	5/8	0.500	0.13
64-757	11/16	0.500	0.14
64-758	3/4	0.500	0.15



3/8" Drive 12 Point Torque Wrench Adapter METRIC

Product Number	Opening, mm	Length, Inches	Weight, lbs.
64-710	10	0.500	0.09
64-713	13	0.500	0.11
64-715	15	0.500	0.12
64-718	18	0.500	0.14



3/8" Drive 12 Point Spline Torque Wrench Adapter

Product Number	Opening, #	Length, Inches	Weight, lbs.
64-770	7	0.500	0.07
64-771	8	0.500	0.07
64-772	9	0.500	0.08
64-773	10	0.500	0.09
64-774	12	0.500	0.09
64-775	14	0.500	0.11
64-776	16	0.500	0.11
64-777	18	0.500	0.12
64-778	20	0.500	0.13
64-779	22	0.500	0.14
64-780	24	0.500	0.15



Reaction Bar Torque Multipliers

LOW INPUT TORQUE (160-225 IN.LB.)

- Can easily be applied by one person using standard 1/2" drive tools

PLANETARY GEAR SYSTEM

- Provides output torque accuracy of +/-5%

STURDY CARRYING CASE

- Allows for convenient storage, easy transportation

SHEARABLE OUTPUT DRIVE SQUARE IS REPLACEABLE (1,200 TO 3,200 IN.LB. MODELS)

- Square drive shears at 3-10% overload torque to protect against expensive internal damage

BUILT IN ANTI-BACKLASH DEVICE / TORQUE HOLDING RATCHET (2,200 TO 3,200 IN.LB. MODELS)

- Maintains the multiplier's input torque allowing the use of ratcheting drive tools

BUILT IN ANGLE OF TURN PROTRACTOR (1,200 TO 3,200 IN.LB. MODELS)

- Displays multiplier's output angle for use on fasteners requiring a specific angle rotation after applied torque



750 Foot Pound Reaction Bar Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.
64-830	1/2 Sq. Female	3/4 Sq. Male	227	750	4.0:1	3.3:1	2.812	2.812	8.531	4.60



1,200 Foot Pound Reaction Bar Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-832	1/2 Sq. Female	3/4 Sq. Male	200	1,200	6.3:1	6.0:1	3.937	4.062	14.125	13.00	64-850



2,200 Foot Pound Reaction Bar Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-834	1/2 Sq. Female	1 Sq. Male	162	2,200	15.0:1	13.6:1	4.031	5.812	20.000	20.60	64-851



3,200 Foot Pound Reaction Bar Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-836	1/2 Sq. Female	1 Sq. Male	173	3,200	20.2:1	18.5:1	4.031	6.375	20.000	22.10	64-852

2,000 Foot Pound Reaction Bar Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.
64-833	3/4 Sq. Female	1 Sq. Male	500	2,000	4.27:1	3.5:1	3.800	4.500	19.50	12.00





Plate Reaction Torque Multipliers

LOW INPUT TORQUE (160-190 IN.LB.)

- Can easily be applied by one person using standard 1/2" drive tools

SHEARABLE OUTPUT DRIVE SQUARE IS REPLACEABLE

- Square drive shears at 3-10% overload torque to protect against expensive internal damage

BUILT IN ANTI-BACKLASH DEVICE / TORQUE HOLDING RATCHET

- Maintains the multiplier's input torque allowing the use of ratcheting drive tools

PLANETARY GEAR SYSTEM

- Provides torque accuracy of +/-5%



2,200 Foot Pound Plate Reaction Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-840	1/2 Sq. Female	1 Sq. Male	162	2,200	15.0:1	13.6:1	4.875	5.500	14.062	17.20	64-851



5,000 Foot Pound Plate Reaction Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-842	1/2 Sq. Female	1-1/2 Sq. Male	189	5,000	29.25:1	26.5:1	5.625	8.750	14.906	34.00	64-853

8,000 Foot Pound Plate Reaction Torque Multiplier

Product Number	Input Drive	Output Drive	Max Input ft.lb.	Max Output ft.lb.	Gear Ratio	Torque Ratio	Head Diameter (in.)	Head Thickness (in.)	Length, Inches	Weight lbs.	Repl. Sq. Dr.
64-844	1/2 Sq. Female	1-1/2 Sq. Male	154	8,000	60.0:1	52.0:1	5.812	10.750	15.187	50.30	64-854

SAFETY NOTICE

ALWAYS POSITION REACTION BAR SOLIDLY AGAINST AN OBJECT WITH SUFFICIENT BULK TO WITHSTAND THE GENERATED FORCE. BE SURE TO HAVE A CLEAN, SECURE GRIP ON THE INPUT WRENCH TO AVOID KICK-BACK.

ALWAYS USE HEAVY DUTY POWER/IMPACT SOCKETS. DO NOT USE WITH POWER DRIVE TOOLS. COVER APPLICATIONS WITH APPROPRIATE SHIELD. DO NOT EXCEED INPUT CAPACITY.

Torque Testers



Electronic Torque Testers

DESIGNED TO BE A STURDY, COMPACT, COST EFFICIENT TESTER

- Can be mounted on a wall or workbench allowing operators to test torque wrenches at their work stations

ALL STEEL CONSTRUCTION WITH DURABLE NO-BREAK ROTARY NECK

ACCURACY OF +/-1% OF INDICATED VALUE (10% TO 100% OF RANGE)

- Includes accuracy certification

MULTIFUNCTION UNIT OFFERS VERSATILITY

- First Peak Mode
- Peak Mode
- Track Mode
- Quick set target torque for Go/No Go prompting
- Software on/auto off
- Three units of measure (ft-lb, in-lb, N.m.)
- Three way LED prompting with buzzer (under/within/over target)
- Adjustable display allows you to see the digits at any angle

Product Number	Drive Size, Inches	Primary Scale Range	Secondary Scale Range	Weight lbs.
64-623	1/4	5-50 in.lb.	5.6-56 N.m.	6.00
64-633	3/8	25-250 in.lb.	28-280 N.m.	6.00
64-637	3/8	10-100 ft.lb.	13-136 N.m.	6.00
64-647	1/2	25-250 ft.lb.	34-340 N.m.	6.00
64-657	3/4	60-600 ft.lb.	81-813 N.m.	6.50

