



TORQUE WRENCHES

Dial Indicating Type



DIAL INDICATING TORQUE WRENCHES Classic Series

CDI is a major supplier of Dial Torque Wrenches to the automotive, nuclear and industrial markets in addition to military installations throughout the world. The Classic series features sturdy torsion beam design for dependable long life and accuracy. The small frame Classic series offers working ranges from 3 in. lbs. to 50 ft. lbs. in 1/4" and 3/8" drives. The large frame Classic series continues from 100 ft. lbs. through 2,000 ft. lbs. with 1/2", 3/4" and 1" drives. Accuracy of both series of $\pm 4\%$ meets or exceeds ASME B107.14M-1994, ISO 6789 bi-directionally from 20% to 100% of scale. All wrenches supplied with a N.I.S.T. traceable certificate of calibration.



Common Features:

- 53 Dial Indicating models available
- Wide selection of torque ranges
- Easy to Read scale with clear laser markings
- Available in English or Newton Meter Scale
- Torsion Bar design
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.
- Most models supplied in blow molded plastic box
- User assured of long life and reliability
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale



Ratchet adapter shown with dial wrench. For ordering information see Torque Accessories on page 63.





CLASSIC Series English Single Scale

The CLASSIC Series Dial Torque Wrench offers a body design that guarantees maximum durability and performance. The small frame series offers torque capacities that range from 15 in.lbs. to 50 ft.lbs. in 1/4" and 3/8" square drives.

FEATURES:

- Sturdy body construction insures maximum durability
- Easy to Read Laser Marked Single Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Part Number Memory Needle	Torque Range	Drive Size	Incr.	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
INCH POUND								
151LDINSS	0-15 in.lb.	1/4"	.25 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
301LDINSS	0-30 in.lb.	1/4"	.5 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
751LDINSS	0-75 in.lb.	1/4"	1 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
752LDINSS	0-75 in.lb.	3/8"	1 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
1502LDINSS	0-150 in.lb.	3/8"	2 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
2502LDINSS	0-250 in.lb.	3/8"	5 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
3002LDINSS	0-300 in.lb.	3/8"	5 in.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
6002LDINSS	0-600 in.lb.	3/8"	10 in.lb.	15 (381)	1.5 (38)	1.2 (30)	2.75 (70)	1.6 (.60)
FOOT POUND								
252LDFNSS	0-25 ft.lbs.	3/8"	.5 ft.lb.	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
502LDFNSS	0-50 ft.lbs.	3/8"	1 ft.lb.	15 (381)	1.5 (38)	1.2 (30)	2.75 (70)	1.6 (.60)

CLASSIC Series English Single Scale

The CLASSIC Series features a comfortable rubber grip that is impervious to oils and solvents. The large frame models offer torque capacities from 100 to 2,000 ft. lbs. in 1/2", 3/4" and 1" drives.

FEATURES:

- Sturdy body construction insures maximum durability
- Easy to Read Laser Marked Single Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Part Number	Torque Range	Drive Size	Incr.	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
FOOT POUND								
1003LDFNSS	0-100 ft. lb.	1/2"	2 ft. lb	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
1753LDFNSS	0-175 ft. lb.	1/2"	5 ft. lb.	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
2503LDFNSS	0-250 ft. lb.	1/2"	5 ft. lb	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
3504LDFNSS	0-350 ft. lb.	3/4"	10 ft. lb.	28.00 (711)	2.25 (57)	1.50 (38)	2.75 (70)	5.75 (2.15)
6004LDFNSS*	0-600 ft. lb.	3/4"	10 ft. lb.	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
10005LDFNSS*	0-1000 ft. lb.	1"	20 ft. lb.	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
ELECTRIC SIGNALING MODELS								
6004LDFESS**	0-600 ft. lb.	3/4"	10 ft. lb.	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
10005LDFESS**	0-1000 ft. lb.	1"	20 ft. lb.	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
20005LDFESS***	0-2000 ft. lb.	1"	40 ft. lb.	122.00 (3099)	3.50 (89)	6.50 (165)	3.50 (89)	47.00 (17.54)

* NOTE: 6004LDFNSS and 10005LDFNSS include 1 extension handle.

** NOTE: 6004LDFESS and 10005LDFESS include 1 extension handle, indicating light and buzzer.

*** NOTE: 20005LDFESS is a "T" style wrench with 1" drive female head that can be used with a torque multiplier.
Includes 5 piece handle assembly, indicating light and buzzer.

CLASSIC Series Newton Meter Single Scale

FEATURES:

- Sturdy body construction insures maximum durability
- Easy to Read Laser Marked Single Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Part Number Memory Needle	Torque Range	Drive Size	Incr.	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
NEWTON METER								
1.81NLDNSS	0-1.8 Nm	1/4"	.05 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
3.51NLDNSS	0-3.5 Nm	1/4"	.1 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
91NLDNSS	0-9 Nm	1/4"	.2 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
92NLDNSS	0-9 Nm	3/8"	.2 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
182NLDNSS	0-18 Nm	3/8"	.5 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
302NLDNSS	0-30 Nm	3/8"	.5 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
352NLDNSS	0-35 Nm	3/8"	1 Nm	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
702NLDNSS	0-70 Nm	3/8"	2 Nm	15 (381)	1.5 (38)	1.2 (30)	2.75 (70)	1.6 (.60)

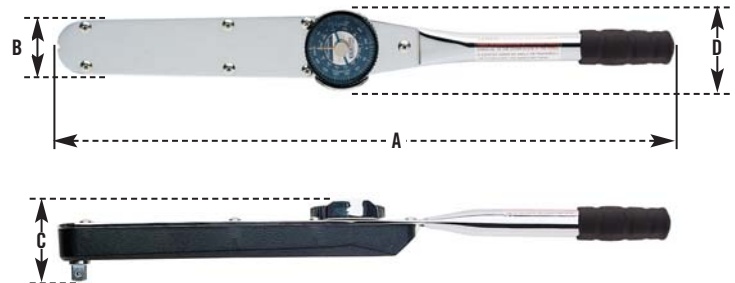
CLASSIC Series Newton Meter Single Scale

FEATURES:

- Sturdy body construction insures maximum durability
- Easy to Read Laser Marked Single Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



*Electric Signaling Model
features LED light and Buzzer*



Part Number Memory Needle	Torque Range	Drive Size	Incr.	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
NEWTON METER								
1403NLDNSS	0-140 Nm	1/2"	2.5 Nm	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
2403NLDNSS	0-240 Nm	1/2"	5 Nm	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
3503NLDNSS	0-350 Nm	1/2"	10 Nm	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
4804NLDNSS	0-480 Nm	3/4"	10 Nm	28.00 (711)	2.25 (57)	1.50 (38)	2.75 (70)	5.75 (2.15)
8004NLDNSS*	0-800 Nm	3/4"	20 Nm	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
14005NLDNSS*	0-1400 Nm	1"	25 Nm	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
ELECTRIC SIGNALING MODELS								
8004NLDESS**	0-800 Nm	3/4"	20 Nm	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
14005NLDESS**	0-1400 Nm	1"	25 Nm	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
25005NLDESS***	0-2500 Nm	1"	50 Nm	122.00 (3099)	3.50 (89)	6.50 (165)	3.50 (89)	47.00 (17.54)

* NOTE: 8004NLDNSS and 14005NLDNSS include 1 Extension handle.

** NOTE: 8004NLDESS and 14005NLDESS include 1 Extension handle, indicating light and buzzer.

*** NOTE: 25005NLDESS is a "T" style wrench with 1" drive female head that can be used with a torque multiplier.
Includes 5 piece handle assembly, indicating light and buzzer.



CLASSIC Series Dual Scale English & Newton Meter

The CLASSIC Series continues to offer a body design that provides durability and performance. Torque capacities range from 15 in. lbs. to 2,000 ft. lbs., in 1/4", 3/8", 1/2", 3/4" and 1" drives.

FEATURES:

- Sturdy body construction insures durability
- Easy to Read Laser Marked Dual Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Part Number Memory Needle	Torque Range English	Incr.	Torque Range Newton Meter	Incr.	Drive Size	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
INCH POUND AND NEWTON METER										
151LDIN	0-15 in. lb.	.25 in. lb.	0-1.8 Nm	.05 Nm	1/4"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
301LDIN	0-30 in. lb.	.5 in. lb.	0-3.5 Nm	.1 Nm	1/4"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
751LDIN	0-75 in. lb.	1 in. lb.	0-9 Nm	.2 Nm	1/4"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
752LDIN	0-75 in. lb.	1 in. lb.	0-9 Nm	.2 Nm	3/8"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
1502LDIN	0-150 in. lb.	2 in. lb.	0-18 Nm	.5 Nm	3/8"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
2502LDIN	0-250 in. lb.	5 in. lb.	0-30 Nm	.5 Nm	3/8"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
3002LDIN	0-300 in. lb.	5 in. lb.	0-35 Nm	1 Nm	3/8"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.1 (.41)
6002LDIN	0-600 in. lb.	10 in. lb.	0-70 Nm	2 Nm	3/8"	15 (381)	1.5 (38)	1.2 (30)	2.75 (70)	1.6 (.60)

CLASSIC Series Dual Scale English & Newton Meter

FEATURES:

- Sturdy body construction insures maximum durability
- Easy to Read Laser Marked Dual Scale
- Large easy to read dial is shock resistant and protected by a tough metal guard
- Memory needle retains highest torque reading applied
- Calibrated in both CW and CCW direction
- Accuracy: $\pm 4\%$ of indicated value, CW & CCW, from 20% to 100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



20005LDFE "T" type Dial Wrench must be operated by two persons or a torque multiplier. The handle is over 10 ft. long.

Part Number Memory Needle	Torque Range English	Incr.	Torque Range Newton Meter	Incr.	Drive Size	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	Wt. Lbs. (Kg)
FOOT POUND AND NEWTON METER										
252LDFN	0-25 ft. lb.	.5 ft. lb.	0-35 Nm	1 Nm	3/8"	11.5 (292)	1.1 (28)	1.2 (30)	2.75 (70)	1.10 (.41)
502LDFN	0-50 ft. lb.	1 ft. lb.	0-70 Nm	2 Nm	3/8"	15 (381)	1.5 (38)	1.2 (30)	2.75 (70)	1.60 (.60)
1003LDFN	0-100 ft. lb.	2 ft. lb.	0-140 Nm	2.5 Nm	1/2"	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
1753LDFN	0-175 ft. lb.	5 ft. lb.	0-240 Nm	5 Nm	1/2"	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
2503LDFN	0-250 ft. lb.	5 ft. lb.	0-350 Nm	10 Nm	1/2"	21.75 (552)	2.25 (57)	1.50 (38)	2.75 (70)	3.70 (1.38)
3504LDFN	0-350 ft. lb.	10 ft. lb.	0-480 Nm	10 Nm	3/4"	28.00 (711)	2.25 (57)	1.50 (38)	2.75 (70)	5.75 (2.15)
6004LDFN*	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	3/4"	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
10005LDFN*	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	1"	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
ELECTRIC SIGNALING MODELS										
6004LDFE**	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	3/4"	47.00 (1194)	2.50 (64)	1.50 (38)	2.75 (70)	10.10 (3.77)
10005LDFE**	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	1"	74.00 (1880)	2.50 (64)	3.50 (89)	3.00 (76)	30.00 (11.20)
20005LDFE***	0-2000 ft. lb.	40 ft. lb.	0-2800 Nm	50 Nm	1"	122.00 (3099)	3.50 (89)	6.50 (165)	3.50 (89)	47.00 (17.54)

* NOTE: 6004LDFN and 10005LDFN include 1 Extension handle.

** NOTE: 6004LDFE and 10005LDFE include 1 Extension handle, indicating light and buzzer.

*** NOTE: 20005LDFE is a "T" style wrench with 1" drive female head that can be used with a torque multiplier.

Includes 5 piece handle assembly, indicating light and buzzer.