

LEXIVON

1/2-INCH DRIVE CLICK
TORQUE WRENCH

25-250 Ft-Lb/33.9-338.9 Nm



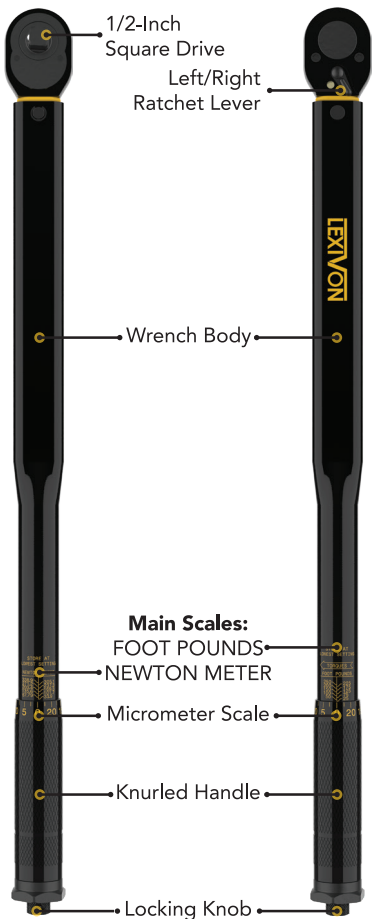
LX-184 USER MANUAL



ATTENTION

- Before using the torque wrench, make sure to read and understand the entire manual, including safety information. Not following the instructions could result in damage to the tool, property, or personal injury.
- Treat this precision measuring tool with care and store it properly. Avoid using any additional devices to increase leverage of this wrench.
- It is recommended to practice first with a non-critical application. Be aware that at low torque settings, the click may be subtle; pull the wrench slowly to observe and learn to recognize the click both audibly and by feel.
- The wrench is calibrated & delivered in a ready-to-use condition. Tested to an accuracy of +/- 4%. To preserve this accuracy, **it's crucial to store the wrench at its lowest torque setting of 25 ft.-lb. (33.9 Nm)**. By utilizing this setting, any additional strain on the internal spring is relieved, minimizing fatigue that will impact the wrench's accuracy.

INTRODUCTION



Throughout the instruction manual, the wrench body scale will be referred to as the "main scale," and the knurled handle scale will be referred to as the "micrometer scale". This torque wrench is dual-side marked with **Foot-Pounds (ft.-lb.)** and **Newton-Meters (Nm)** on opposite sides of the wrench body.

SETTING TORQUE READING

FOOT POUNDS (Example of setting 120 ft.-lb.)

1. Find the locking knob positioned at the end of the knurled handle. Release the knurled handle by rotating the locking knob in a counterclockwise direction.



2. Rotate the knurled handle until its top edge aligns with the horizontal "100" mark on the main scale, while the "0" mark on the micrometer scale is centered on the vertical line of the main scale.



3. The micrometer scale divides the main scale into 10 divisions, each marking representing 2.5 ft.-lb.

To adjust the torque from 100 to 120 ft.-lb., rotate the micrometer handle in a clockwise direction until the "20" mark (8 micro-movements) aligns with the vertical line on the main scale. This adds 20 ft.-lb. to the main scale reading of 100 ft.-lb., resulting in a total torque of 120 ft.-lb.



4. Lock the torque setting by turning the locking knob clockwise until snug. Wrench is now set to measure 120 ft.-lb. of torque and ready to use.



NEWTON METERS

To set the desired torque using the Nm scale, follow the same procedure as you would for the ft.-lb. scale.

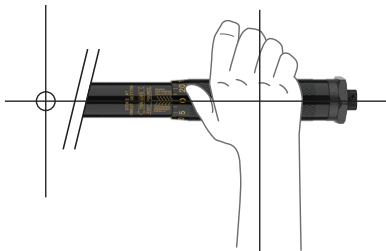
However, It is essential to keep in mind that every mark/increment on the micrometer scale will now represent 3.39 Nm.

Contrasting with the ft.-lb. setting procedure, where each mark on the micrometer scale represents 2.5 ft.-lb., when referring to the Nm setting, the value of each mark on the micrometer scale is 3.39.

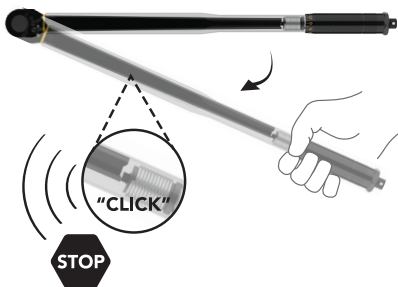
When using the torque wrench's Newton Meter scale, it's crucial to keep this conversion factor in mind. Make sure you calculate each increment as 3.39 Nm to accurately set the desired torque value.

WRENCH OPERATION

1. Install proper socket/attachment on the square drive and apply to nut/bolt. Make sure to keep your tightening hand centered on the knurled handle for accurate results.



2. Operate the wrench to tighten the nut/bolt, gradually increasing the force until they are snug. Slow down your operation and apply a smooth and steady pull. When you hear or feel a 'CLICK' or 'IMPULSE', stop pulling the wrench and release the pressure on the handle.



3. The wrench will automatically reset for the next operation after pressure is released.

SPECIFICATIONS

- Range - Ft-Lb: 25 ~ 250
- Range - Nm: 33.9~338.9
- Increment: 2.5 ft-lb (3.39 Nm)
- Accuracy: ± 4 percent
- Length: 25 inch
- Ratchet: Cr-V, 24 tooth gear
- Finish: Electro-Black
- Standard: ASME B107.300
DIN-ISO-6789

**Torque is measured exclusively
in the clockwise direction only.**



IMPORTANT OPERATION NOTICE

Operating the wrench too quickly or with excessive force may lead to missing the precise torque setting. Once the torque setting is reached, do not continue pulling, as this can damage the internal mechanism of the wrench.

At low torque settings, the click may be subtle. It is recommended to use the wrench in a quiet environment and learn to both hear and feel the click for proper torque application.

Do not attempt to use the torque wrench to loosen stuck fasteners. Tighten/adjust the locking knob and the knurled handle by hand only.

Remember, torque is measured exclusively in the clockwise direction.

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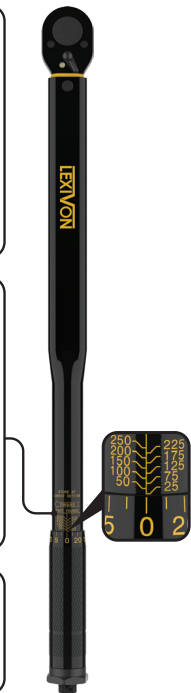
MAINTENANCE AND STORAGE

1. If the wrench has not been used for an extended period, operate it several times at a low torque setting. This will allow internal lubricant to recoat internal components.

2. Keep the Torque Wrench at the lowest setting when not in use.

The lowest setting: 25 ft.-lb. mark on the main scale and '0' mark on the micrometer scale.

3. **DO NOT** turn handle below lowest torque setting.



This wrench is a precision measuring instrument. Take care and operate correctly. Store in a clean, dry environment. Clean by wiping with a dry, lint-free cloth. Do not immerse in any liquid or cleaner, as it can damage the internal components of the wrench.

TORQUE UNIT CONVERSION TABLE

FOOT POUNDS (ft.-lb.)	INCH POUNDS (in.-lb.)	NEWTON METERS (Nm)	NEWTON METERS (Nm)	FOOT POUNDS (ft.-lb.)	INCH POUNDS (in.-lb.)	INCH POUNDS (in.-lb.)	FOOT POUNDS (ft.-lb.)	NEWTON METERS (Nm)
25	300	33.89	30	22.12	265.52	300	25.00	33.89
30	360	40.67	40	29.50	354.03	400	33.33	45.19
35	420	47.45	50	36.87	442.53	500	41.67	56.49
40	480	54.23	60	44.25	531.04	600	50.00	67.79
45	540	61.01	70	51.63	619.55	700	58.33	79.09
50	600	67.79	80	59.00	708.06	800	66.67	90.38
55	660	74.56	90	66.38	796.56	900	75.00	101.68
60	720	81.34	100	73.75	885.07	1000	83.33	112.98
65	780	88.12	110	81.13	973.58	1100	91.67	124.28
70	840	94.90	120	88.50	1062.09	1200	100.00	135.58
75	900	101.68	130	95.88	1150.59	1300	108.33	146.88
80	960	108.46	140	103.25	1239.10	1400	116.67	158.17
85	1020	115.24	150	110.63	1327.61	1500	125.00	169.47
90	1080	122.02	160	118.01	1416.12	1600	133.33	180.77
95	1140	128.80	170	125.38	1504.62	1700	141.67	192.07
100	1200	135.58	180	132.76	1593.13	1800	150.00	203.37
105	1260	142.36	190	140.13	1681.64	1900	158.33	214.67
110	1320	149.13	200	147.51	1770.15	2000	166.67	225.97
115	1380	155.91	210	154.88	1858.65	2100	175.00	237.27
120	1440	162.69	220	162.26	1947.16	2200	183.33	248.56
125	1500	169.47	230	169.64	2035.67	2300	191.67	259.86
130	1560	176.25	240	177.01	2124.17	2400	200.00	271.16
135	1620	183.03	250	184.39	2212.68	2500	208.33	282.46
140	1680	189.81	260	191.76	2301.19	2600	216.67	293.76
145	1740	196.59	270	199.14	2389.70	2700	225.00	305.06
150	1800	203.37	280	206.51	2478.20	2800	233.33	316.35
155	1860	210.15	290	213.89	2566.71	2900	241.67	327.65
160	1920	216.93	300	221.26	2655.22	3000	250.00	338.95
165	1980	223.70	310	228.64	2743.73			
170	2040	230.48	320	236.02	2832.23			
175	2100	237.26	330	243.39	2920.74			
180	2160	244.04	340	250.77	3009.25			
185	2220	250.82						
190	2280	257.60						
195	2340	264.38						
200	2400	271.16						
205	2460	277.94						
210	2520	284.72						
215	2580	291.50						
220	2640	298.27						
225	2700	305.05						
230	2760	311.83						
235	2820	318.61						
240	2880	325.39						
245	2940	332.17						
250	3000	338.95						

CONVERSIONS

1 ft.-lb. =	1 in.-lb. =	1 Nm =
0.138 m-kg	0.0833 ft.-lb.	0.737 ft.-lb.
12.0 in.-lb.	0.113 Nm	8.85 in.-lb.
1.35 Nm	0.0115 m-kg	0.102 m-kg
13.8 cm-kg	1.15 cm-kg	10.2 cm-kg

CAUTION:

PRECISION TOOL - Do not use for extreme operation like breaking loose stuck fasteners.

PRACTICE FIRST - Try wrench on a non-critical fastener first to learn how it works.

OPERATE SLOWLY - Wrench "clicks" to notify when torque value is reached. Wrench does not stop applying force automatically.

LISTEN AND FEEL - At low torque settings clicks is subtle. Learn to hear and feel the click.

STORE AT LOWEST SETTING - To maintain calibration, set wrench to lowest torque value before storage.

MEASURES IN ONE DIRECTION - Wrench only measures torque in right hand (clockwise) direction.

LEXIVON HAS YOU COVERED

**THE LX-184 MEASURING INSTRUMENT INCLUDES
A STANDARD 1-YEAR WARRANTY**

**TO EXTEND THE WARRANTY
FOR A TOTAL OF 2 YEARS**

*Simply register your new product online
within 90 days of purchase register at:*

www.lexivon.com/product-registration



**FOR ANY HELP YOU MIGHT NEED
PLEASE DON'T HESITATE TO CONTACT US**



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