



LEXIVON LX-184 Drive Click Torque Wrench Instruction Manual

[Home](#) » [LEXIVON](#) » LEXIVON LX-184 Drive Click Torque Wrench Instruction Manual 

LEXIVON

**1/2-INCH DRIVE CLICK
TORQUE WRENCH
25-250 Ft-Lb/33.9-338.9 Nm**



LX-184 OPERATING INSTRUCTION

ATTENTION

Please read and understand the entire manual, including all safety information, before using the torque wrench. This tool is a precision measuring instrument. Handle with care and store properly. Do not attempt to increase the leverage of this wrench with any other device. Failure to follow all instructions could result in damage to the torque wrench, property damage, or injury.

The wrench is shipped ready to use, calibrated, and tested to an accuracy of $\pm 4\%$. To maintain this accuracy, it

is important that the wrench is stored at the lowest torque setting, 25 ft.-lb. (33.9 Nm). This setting relieves extra tension on the internal spring, reducing fatigue that can adversely affect accuracy.

Contents

1 INTRODUCTION

2 SETTING TORQUE READING

3 WRENCH OPERATION

4 IMPORTANT OPERATION

NOTICE:

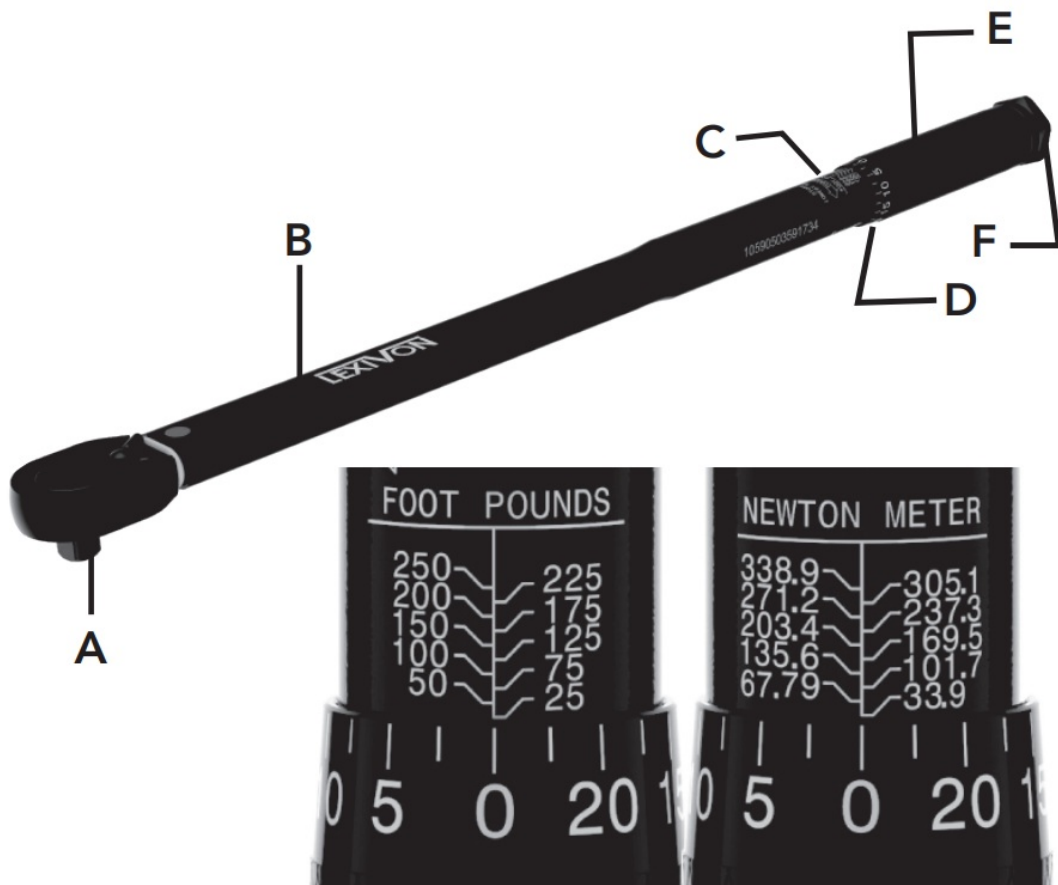
5 MAINTENANCE AND STORAGE

6 Documents / Resources

7 Related Posts

INTRODUCTION

- A. Square Ratchet Head
- B. Handle Body
- C. Main Scale
- D. Micrometer Scale
- E. Knurled Handle
- F. Lock Nut

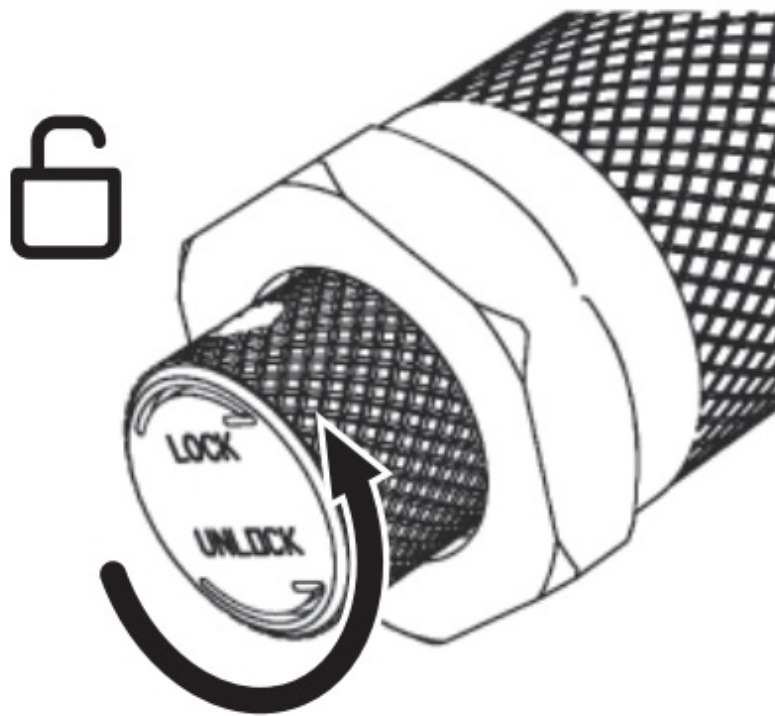


This is a dual-range torque wrench marked with feet pounds (ft.-lb.) and Newton-meters (Nm) on opposite sides of the handle.

SETTING TORQUE READING

Foot Pounds (Example of setting 120 ft-lb)

1. Locate the lock nut on the end of the handle. Unlock knurled handle by turning the lock nut counterclockwise.



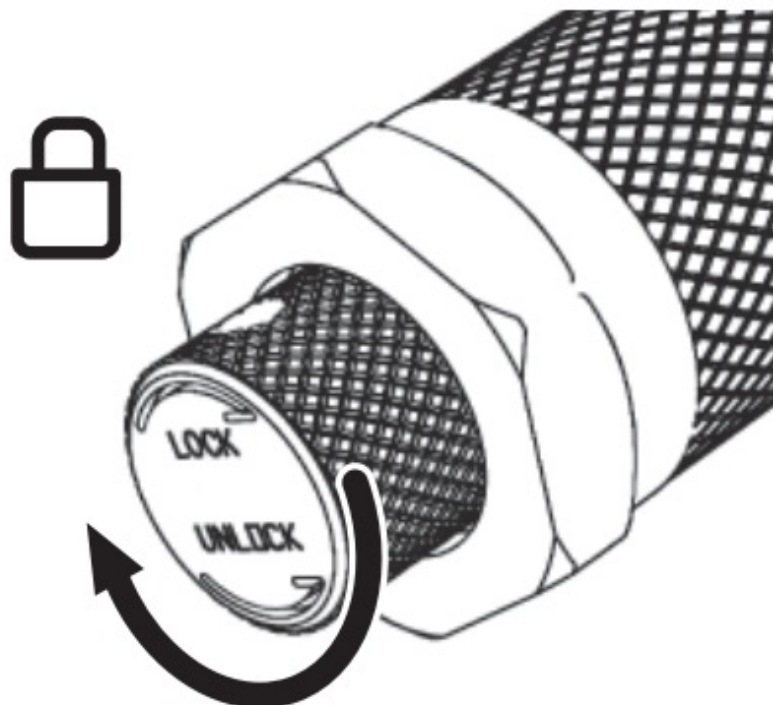
2. Turn the knurled handle until its top edge is even with the horizontal "100" mark on the main scale and the "0" mark on the micrometer scale is centered on the vertical line of the main scale.



3. The micrometer-scale divides the main scale markings into 25 divisions. Every micrometer-scale marking equals 5 ft.-lb. To increase torque from 100 to 120, turn the micrometer handles clockwise until the "20" mark is centered on the vertical line of the main scale. $100 \text{ ft.-lb. (main scale)} + 20 \text{ ft.-lb. (micrometer scale)} = 120 \text{ ft.-lb.}$



4. Lock torque setting by turning the lock nut clockwise until snug. The wrench is now set to measure 120 ft.-lb. of torque and ready to use.



NEWTON-METERS

(Example of setting 145.0Nm)

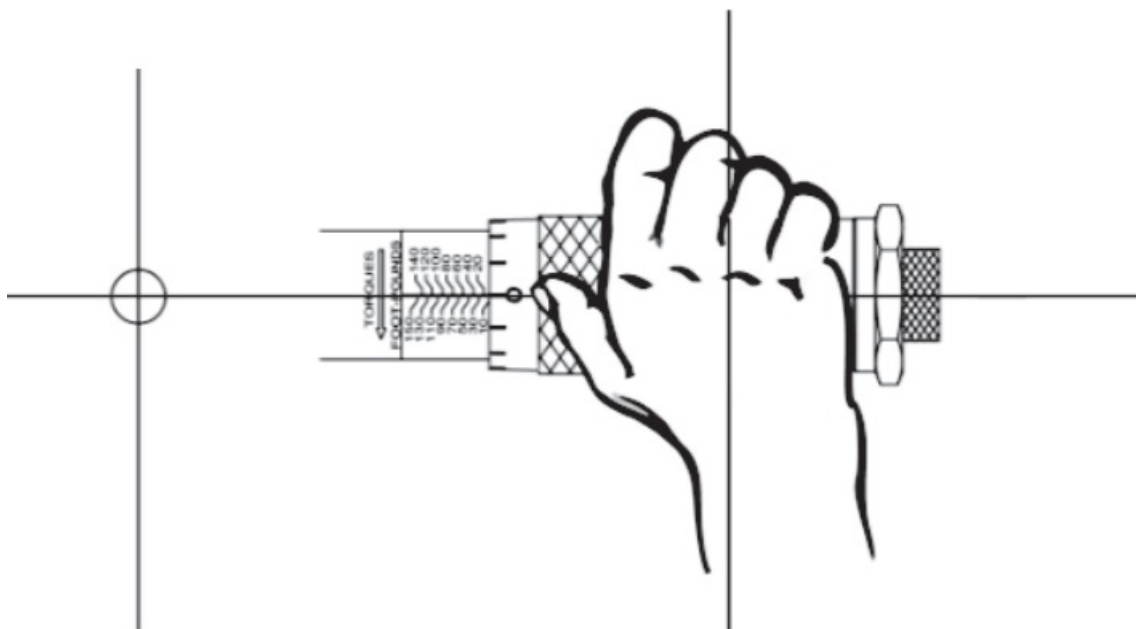
Setting desired torque on the Nm scale uses the same procedure described above for ft.-lb. scale. The micrometer-scale divides the main scale markings into 25 divisions. Every micrometer-scale marking equals 1.35 Nm. To set a torque value of 145.0 Nm, turn knurled micrometer handle until the top is aligned with the “135.6” mark on the main scale and the “0” mark on the micrometer scale is centered on the vertical line of the main scale.



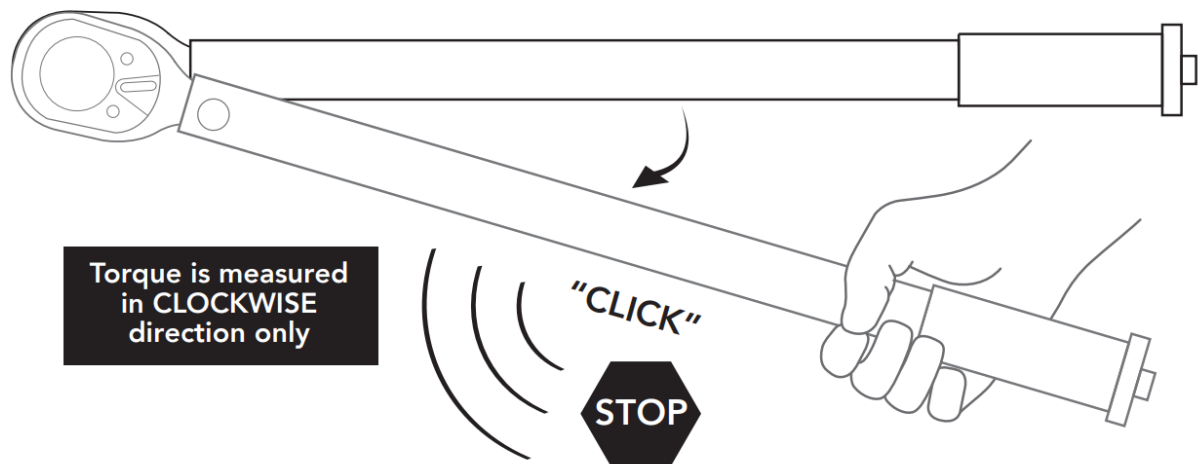
To increase torque from 135.6 Nm to 145.0 Nm, turn the micrometer handle clockwise until the “7” mark is centered on the vertical line of the main scale. $145.0 \text{ Nm} - 135.6 \text{ Nm} = 9.4 \text{ Nm}$. $9.4 \text{ Nm} / 1.35 = 7$ micrometer-scale markings. The wrench is now set to measure 145.0 Nm of torque and is ready to use.

WRENCH OPERATION

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



2. Operate the wrench to tighten nut/bolt and slow operation when they became snug to a smooth and steady pull. When a `CLICK' or `IMPULSE' is heard or felt, stop pulling the wrench and releasing pressure on the handle.



3. **CAUTION: PRECISION TOOL** – Do not use for an extreme operation like breaking loose stuck fasteners. **PRACTICE FIRST** – Try wrenching 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.

IMPORTANT OPERATION NOTICE:

Operating a wrench too quickly or with too much force may cause you to miss the exact torque setting. Do not continue to pull after torque setting is reached. Doing so will damage the wrench internal mechanism. At low torque settings, click can be subtle. Use a wrench in a quiet environment. Do not use torque wrench to loosening fasteners. Torque is measured in the CLOCKWISE direction only! Tighten/adjust lock nut and knurled handle by hand only.

MAINTENANCE AND STORAGE

1. If the wrench has not been used for a long period of time, operate it several times at a low torque setting. This will allow internal lubricant to recoat internal components.
2. Keep the Torque Wrench Scale 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. DO NOT turn handle below lowest torque setting.



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

TORQUE UNIT CONVERSION TABLE

FOOT POUNDS (ft.-lb.)	INCH POUNDS (in.-lb.)	NEWTON METERS (Nm)
25	300	33.89
30	360	40.67
35	420	47.45
40	480	54.23
45	540	61.01
50	600	67.79
55	660	74.56
60	720	81.34
65	780	88.12
70	840	94.90
75	900	101.68
80	960	108.46

80	700	100.40
85	1020	115.24
90	1080	122.02
95	1140	128.80
100	1200	135.58
105	1260	142.36
110	1320	149.13
115	1380	155.91
120	1440	162.69
125	1500	169.47
130	1560	176.25
135	1620	183.03
140	1680	189.81
145	1740	196.59
150	1800	203.37
155	1860	210.15
160	1920	216.93
165	1980	223.70
170	2040	230.48
175	2100	237.26
180	2160	244.04
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

CAUTION

PRECISION TOOL – Do not use it for an extreme operation like breaking loose stuck fasteners. **PRACTICE FIRST** – Try wrenching on a non-critical fastener first to learn how it works. **OPERATE SLOWLY** – Wrench “clicks” to notify when torque value is reached. The wrench does not stop applying force automatically.

NEWTON METERS (Nm)	FOOT POUNDS (ft.-lb.)	INCH POUNDS (in.-lb.)	INCH POUNDS (in.-lb.)	FOOT POUNDS (ft.-lb.)	NEWTON METERS (Nm)
30	22.12	265.52	300	25.00	33.89
40	29.50	354.03	400	33.33	45.19
50	36.87	442.53	500	41.67	56.49
60	44.25	531.04	600	50.00	67.79
70	51.63	619.55	700	58.33	79.09
80	59.00	708.06	800	66.67	90.38
90	66.38	796.56	900	75.00	101.68
100	73.75	885.07	1000	83.33	112.98
110	81.13	973.58	1100	91.67	124.28
120	88.50	1062.09	1200	100.00	135.58
130	95.88	1150.59	1300	108.33	146.88
140	103.25	1236.10	1400	116.67	158.17
150	110.63	1327.61	1500	125.00	169.47
160	118.01	1416.12	1600	133.33	180.77
170	125.38	1504.62	1700	141.67	192.07
180	132.76	1593.13	1800	150.00	203.37
190	140.13	1681.64	1900	158.33	214.67
200	147.51	1770.15	2000	166.67	225.97
210	154.88	1858.65	2100	175.00	237.26
220	162.26	1947.16	2200	183.33	248.56
230	169.64	2035.67	2300	191.67	259.86
240	177.01	2124.17	2400	200.00	271.16
250	184.39	2212.68	2500	208.33	282.46
260	191.76	2301.19	2600	216.67	293.76
270	199.14	2389.70	2700	225.00	305.06
280	206.51	2478.20	2800	233.33	316.35
290	213.89	2566.71	2900	241.67	327.65
300	221.26	2655.22	3000	250.00	338.95
310	228.64	2743.73			
320	236.02	2832.23			
330	243.39	2920.74			
340	250.77	3009.25			

CONVERSIONS

1 ft.-lb. =

0.138 m-kg

12.0 in.-lb.

1.35 Nm

13.8 cm-kg

1 in.-lb. =

0.0833 ft.-lb.

0.113 Nm

0.0115 m-kg

1.15 cm-kg

1 Nm =

0.737 ft.-lb.


8.85 in.-lb.

0.102 m-kg

10.2 cm-kg

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 the wrench to lowest torque value before storage. **MEASURES IN ONE DIRECTION** – Wrench only measures torque in right hand (clockwise) direction.

Documents / Resources

 <p>LX-184 OPERATING INSTRUCTION</p>	<p>LEXIVON LX-184 Drive Click Torque Wrench [pdf] Instruction Manual LX-184, Drive Click Torque Wrench, LX-184 Drive Click Torque Wrench</p>
---	--