

THE ELECTRIC TORQUE WRENCH

LDE/LEW SERIES, 90 - 13000 Nm



LEW series



Resistant gear unit combined with intelligent electronics

Setting new standards with the robust gear unit housing and intelligent electronics under the display: Service functions such as overload and recalibration are displayed to the user. In default, the display shows the torque level. In addition, if required, the display can be changed from torque level to torque value.

Further functions (optional)

Optionally, the electric torque wrench, which is available in straight and angled versions, can be upgraded with a data read-out function, the torque-rotation angle mode and the Nm display function.

Reliable documentation of results with the bolting module TRACK

The classical electric high-level torque wrench is also available with the TRACK documentation function. Designed for the toughest construction site applications, the inductive data transmission system is used for non-contact transfer of your data to the laptop/ PC where you can conveniently edit them further.

More information about documentation modules
see pages 54/55



HAND GRIP



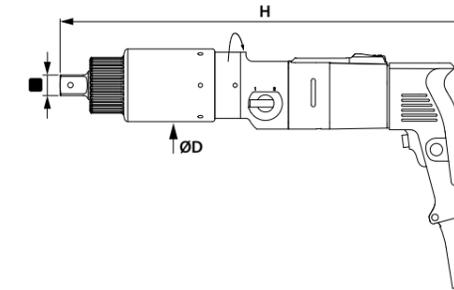
From version size LDE-70, the electric torque wrench is supplied with a rotating hand grip to facilitate the easy operation of the device.



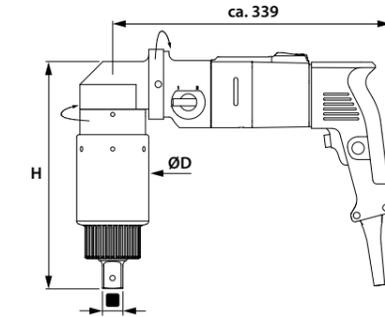
The hand grip is included from size LEW-60 for the angled electric torque wrenches.



Technical data



LDE series – straight version



LEW series – angled version

LDE series - straight version

Type	N-m min ^{*1} /max ^{*2}	lbf-ft min ^{*1} /max ^{*2}	~ U/min	■	Ø D mm	H mm	kg ^{*3}
LDE-05	90 - 500	70 - 370	44	3/4"	80	405	4.5
LDE-075	100 - 750	80 - 550	22	3/4"	80	439	5.0
LDE-15	250 - 1500	180 - 1110	20	1"	88	455	6.1
LDE-28	350 - 2800	260 - 2050	6	1"	88	495	7.3
LDE-40	500 - 4000	370 - 2950	5	1"	88	495	7.3
LDE-60	700 - 6000	520 - 4400	3.5	1 1/2"	102	515	9.2
LDE-70	850 - 7500	630 - 5500	3	1 1/2"	128	531	12.1
LDE-90	1100 - 9000	810 - 6600	2.5	1 1/2"	142	542	14.0
LDE-120	1600 - 13 000	1180 - 9500	2	1 1/2"	174.5	560	20.0

^{*1} Lowest torque in 2nd gear ^{*2} Maximum torque in 1st gear ^{*3} Without reaction arm Vibration is less than 2.5 m/s²
The continuous sound pressure as per DIN 455635 is 78 dB (A) Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

LEW series - angled version

Type	N-m min ^{*1} /max ^{*2}	lbf-ft min ^{*1} /max ^{*2}	~ U/min	■	Ø D mm	H mm	kg ^{*3}
LEW-05	90 - 500	70 - 370	44	3/4"	80	187	5.8
LEW-075	100 - 750	80 - 550	22	3/4"	80	220	6.4
LEW-15	250 - 1500	180 - 1110	20	1"	88	236	7.3
LEW-28	350 - 2800	260 - 2050	6	1"	88	276	8.6
LEW-40	500 - 4000	370 - 2950	5	1"	88	276	8.6
LEW-60	700 - 6000	520 - 4400	3.5	1 1/2"	102	296	10.7
LEW-70	850 - 7500	630 - 5500	3	1 1/2"	128	311	12.9
LEW-95	1100 - 9500	810 - 7000	2.5	1 1/2"	142	323	14.6
LEW-120	1600 - 13 000	1180 - 9500	2	1 1/2"	174.5	340	20.6

^{*1} Lowest torque in 2nd gear ^{*2} Maximum torque in 1st gear ^{*3} Without reaction arm Vibration is less than 2.5 m/s²
The continuous sound pressure as per DIN 455635 is 78 dB (A) Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

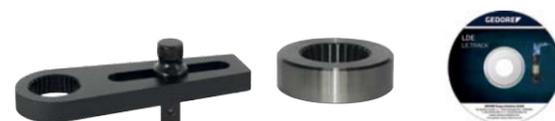
Scope of delivery

- > Device
- > Hand grip (from LDE-70/LEW-60)
- > Reaction arm cranked with lock on function made of chrome vanadium steel
- > Tool box
- > Operating manual
- > Factory calibration certificate



Optional accessories

- > Reaction arm made of light alloy, straight with adjustable locking knob with movable square-end and retaining ring
- > Reaction ring for bespoke reaction arm design
- > Module LE.TRACK



THE STEEL STRUCTURE TORQUE WRENCH

The steel structure torque wrench must be light but robust in design for the assembly of bridges or steel construction projects.

We are prepared for such situations.

Decades of experience and development work, combined with the known high quality requirements, are clearly demonstrated by the torque wrenches in this range. As with all series devices, you can rely on the acknowledged torque precision of these special versions.



Technical data

Type	N-m min*1/ max*2	lbf-ft min*1/ max*2	~ U/min	■	Ø D mm	H mm	⚖️*3
LDE-09ST	120 - 900	90 - 670	19.0	3/4"	80	439	5.2
LDE-16ST	300 - 2200	220 - 1620	7.0	1"	88	472	6.6
LDE-28ST	450 - 3200	330 - 2360	6.1	1"	88	495	7.3
LEW-09ST	120 - 900	90 - 670	19.0	3/4"	80	220	6.5
LEW-16ST	300 - 2200	220 - 1620	7.0	1"	88	253	7.9
LEW-28ST	450 - 3200	330 - 2360	6.1	1"	88	276	8.6

*1 Lowest torque in 2nd gear *2 Maximum torque in 1st gear
The continuous sound pressure as per DIN 45635 is 78 dB (A).

*3 Without reaction arm Vibration is less than 2.5 m/s²
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Steel Structure Torque Wrench

LDE-/LEW-09ST; Tightening of HV-connections from M12 to M24 (10.9)

LDE-/LEW-16ST; Tightening of HV-connections from M16 to M30 (10.9)

LDE-/LEW-28ST; Tightening of HV-connections from M20 to M36 (10.9)

THE CRANE TORQUE WRENCH

There are applications where torque wrenches have to provide even more power. This includes crane assembly at great heights. The devices in L-version are specially designed for the HV bolted connections on the tower sections of the Liebherr HC and EC models.

We also offer the complete package here for the demanding user. Starting from the gear unit diameter precisely matched to the tower section and conical impact sockets right up to the appropriate reaction arm made of high-performance aluminium.

In addition, higher loosening torques for disassembly, as well as special equipment and torque settings for other crane manufactures are available.



Technical data

Electric Torque Wrench

Type	N-m min*1/ max*2	lbf-ft min*1/ max*2	~ U/min	■	Ø D mm	H mm	⚖️*3
LEW-60L	1200 - 6500	880 - 4800	3.5	1 1/2"	102	296	10.7
LEW-75L	1840 - 7500	1360 - 5535	1.6	1 1/2"	102	317	12.0
LEW-95L	1100 - 9500	810 - 7000	2.2	1 1/2"	138	324	17.7

*1 Lowest torque in 2nd gear *2 Maximum torque in 1st gear *3 Without reaction arm
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Also available as a Heavy Duty version. LEW-60L with increased torque.

Scope of delivery

- > Device
- > Hand grip
- > Reaction arm, HC-Design
- > Tool box
- > Operating manual
- > Factory calibration certificate



Optional accessories

- > Reaction arm EC-Design
- > SL type impact socket
- > Module LE.TRACK

