

CORDLESS TORQUE WRENCH IN NEW GENERATION LDA/LAW SERIES, 90-6000 Nm

System performance: 270 Wh powerful 90 Wh (18 V/5 Ah) lithium-ion battery

Microprocessor-controlled electronics with shut-off function

Brushless Technology low-maintenance

Torque values readable on the label

Ergonomic grip for safe & non-fatiguing use

Stepless torque adjustment

Repeatability +/- 3 %

With LED status signal

Automatic device switch-off when torque achieved. Wrench slackens (back off) after torque is applied

| 2. Gang | |
|---------|---------|
| Nm 1 | 440 Nm |
| Nm 2 | 508 Nm |
| Nm 3 | 811 Nm |
| Nm 4 | 909 Nm |
| Nm 5 | 929 Nm |
| Nm 6 | 1082 Nm |
| Nm 7 | 1145 Nm |

LAW series

| MESSENTE 1. Gang - MEASURED VALUES 1. Gang | | | | | |
|--|------|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1250 | 1300 | 1350 | 1400 | 1450 | 1500 |

Individual GEDORE factory calibration certificate

See for yourself – take a look at our new LDA-Video!

The new cordless torque wrench up to 6000 Nm

Even more powerful, intelligent and flexible - and at the same time much smaller and lighter than its predecessor: The new generation of LDA cordless torque wrench with ergonomic grip and low-maintenance brushless technology. With our further developed and proven high level cordless torque wrench, bolting operations can be carried out independently and safely.

It generates torques of up to 6000 Nm with specially manufactured planetary gearboxes. The powerful lithium-ion battery mean that applications at high altitude or in confined spaces are easy overcome. Once the battery is fully discharged, you can switch to electrical operation thanks to the optionally available hybrid cube.



Our secret: Intelligent microprocessor electronics

The heart of the cordless torque wrench is the switch-off electronics with microprocessor control. This allows the tightening torque for each bolting operation to be precisely maintained and ensures stable torque accuracy over the entire discharging cycle of the battery.

Integrated gear protection and processor-controlled safety

The microprocessor prevents gear damage when loosening hard bolted connections. The low-backlash gear with a housing made of high-performance aluminium was specially developed further for this series. An active release function ensures that the wrench automatically releases after work is complete and can thus be easily removed from the bolt.

An unbeatable combination

Battery technology and microprocessor electronics complement each other perfectly. Our microprocessor electronics increases and regulates the battery voltage. Thus, the battery life is extended and the torque kept constant during the operating cycle.

The scope of delivery of the cordless torque wrench includes a system performance of 270 Wh, consisting of three lithium-ion batteries (90 Wh/18 V/5 Ah).

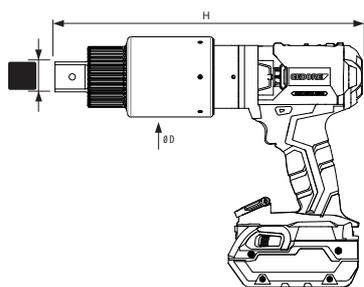
With the latest Brushless Technology, the LDA becomes even more efficient. The brushless motor replaces the brushed universal motor and thus requires less maintenance.

Lies comfortably in the hand

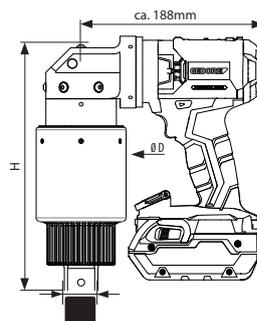
The ergonomic grip is non-slip and fatigue-free in the hand and ensures safe working. The braked 360°-rotating drive unit prevents any injuries to the operator when used in confined spaces.



Technical data



LDA series – straight version



LAW 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} |
|---------|---|--|---------|--------|-----------|---------|------------------|
| LDA-05 | 90 - 500 | 60 - 370 | 46 | 3/4" | 80 | 255 | 3.3 |
| LDA-07 | 120 - 700 | 80 - 520 | 29 | 3/4" | 80 | 287 | 3.9 |
| LDA-12 | 200 - 1200 | 150 - 890 | 20 | 3/4" | 80 | 287 | 3.9 |
| LDA-15 | 250 - 1500 | 180 - 1110 | 15 | 1" | 88 | 303 | 5.0 |
| LDA-22 | 300 - 2200 | 220 - 1630 | 10 | 1" | 90 | 321 | 5.6 |
| LDA-32 | 400 - 3200 | 290 - 2360 | 7 | 1" | 88 | 344 | 6.1 |
| LDA-40 | 500 - 4000 | 370 - 2950 | 5,5 | 1" | 88 | 344 | 6.1 |
| LDA- 60 | 700 - 6000 | 510 - 4430 | 3,5 | 1 1/2" | 102 | 359 | 7.8 |
| LAW-12 | 200 - 1200 | 150 - 890 | 20 | 3/4" | 80 | 223 | 5.2 |
| LAW-22 | 300 - 2200 | 220 - 1630 | 10 | 1" | 90 | 255 | 6.9 |
| LAW-32 | 400 - 3200 | 290 - 2360 | 7 | 1" | 88 | 279 | 7.3 |
| LAW-40 | 500 - 4000 | 370 - 2950 | 5,5 | 1" | 88 | 279 | 7.3 |
| LAW-60 | 700 - 6000 | 510 - 4425 | 3,5 | 1 1/2" | 102 | 295 | 9.1 |

^{*1}Lowest torque in 2nd gear ^{*2} Maximum torque in 1st gear ^{*3}Without reaction arm with battery Battery: 740g
 Vibration is less than 2.5 m/s² The continuous sound pressure as per DIN 455635 is < 80 dB(A)
 Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.



Scope of delivery

- › Device
- › Hand grip (from LAW-60 see page 21)
- › Reaction arm cranked with lock on function made of chrome vanadium steel
- › 3x Lithium-ion battery (90 Wh/18 V/5 Ah)
- › Charger 220-240 V; 50/60 Hz or 110-120 V; 50/60 Hz for USA
- › Tool box
- › Operating instructions
- › 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
- › Hybrid Cube
- › Car charger for 12 V connection



*USA: Illustration similar

*Illustration similar

*Illustration similar

OUR TORQUE WRENCH IN DIFFERENT BOLTING SITUATIONS

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Source: MERK Timber GmbH



Metropol Parasol, Sevilla

The new landmark in Seville, Spain, was mounted with the high-torque cordless torque wrench (LDA). A total of 21900 bolted connections were tightened on the wooden construction.

Rhenish lignite mining area

In the Rhenish lignite mining area, complex piping systems run through the openpit mining, which serve for drainage and pollution control. In some areas, steel flanged pipes are being dismantled, which have been used for over 10 years of drainage and installed in the ground. Due to the years of weathering and the resulting corrosion of the bolt connections, disassembly work is often a challenge for these tubes. To solve these bolted connections and to install new lines our LDA is used.



Source: RWE POWER, TAGEBAU HAMBACH



Football stadium TSG Hoffenheim

The roof structure of the football stadium belonging to TSG 1899 Hoffenheim was mounted with our cordless torque wrench.