

THE RAILWAY TORQUE WRENCH

LDB SERIES

Select the rail system directly on the large, illuminated 3.5" LCD colour display with impact-resistant macrolon screen



Optional: Documentation module TRACK



Low-wear, brushless DC drive with 16 kW maximum output

Maximum breakaway torque 1100 Nm



Supplied with individual GEDORE factory calibration certificate

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



Additional handles, variable attachment

Change of direction right on the handle

Robust, lockable 48 V lithium-ion battery. For approx. 1400 bolts on new W-rail system

Scope of delivery

- › Device
- › Reaction arm (light alloy) with lock on function
- › 2x Lithium-ion batteries (600 Wh/48 V/12,5 Ah)
- › Charger 100–260 V; 45–70 Hz
- › Operating manual
- › Factory calibration certificate



Optional accessories

- › Transport case for two devices
- › Universal impact socket IF 3/4" and special impact sockets
- › Drill adapter with various inserts
- › Rapid charger for lithium-ion battery
- › Module LB.TRACK
- › Operation set for single railway track trolley



*Illustration similar

A complex task

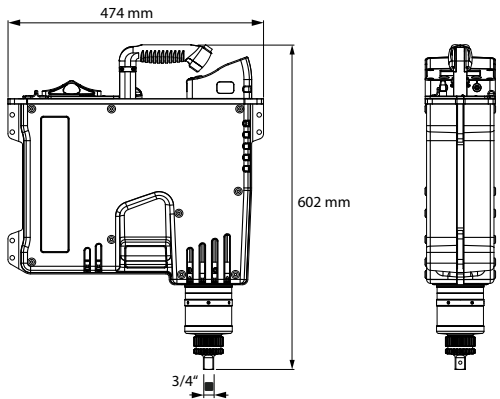
On behalf of and in close cooperation with the DB Bahnbau Group, we have found a compact and efficient answer to the complicated and sweaty track work. The universal railway torque wrench LDB-10 is battery-operated with an operating weight of less than 20 kg, which is designed for bolting applications. In addition to the possibility of bolting to insulation joints (150-1,000 Nm), all common superstructures are stored in the LDB (W-roadbed, KS-roadbed, K-roadbed).

In 2017 the LDB-10 was released as one of the first tools from the 1 % and 5 % prescribed-check (valid for Deutsche Bahn) in accordance with RIL 824.5050 Z01.

Flexible use is the feature of a universal talent

- › The LDB-10 can be used for tightening and loosening horizontal bolts for insulated rail joints, fishplate joints, check rail bolts, track switch bolts etc. In comparison to the impact wrench, each bolt is opened.
- › It can be held perfectly balanced in the hand of the operator thanks to the ergonomic, height-adjustable handle. Two handles that can be mounted at variable heights allows the operator to adapt the device depending on the current type of work.
- › The universal railway torque wrench weighs only 17.2 kg, a fraction of conventional machines and can easily be operated and moved by one operator.

Technical data



LDB - battery operated

More information about documentation modules see pages 54/55

Type	~ Nm max ^{*1}	~ lbf-ft max ^{*1}	~ U/min	■	L mm	B mm	H mm	kg ^{*3}
LDB-10	150-1100	110-810	160	3/4"	474	130	602	17.2
^{*1} Breakaway torque ^{*2} Without reaction arm, without impact socket, with battery. All rights reserved. Subject to modifications without prior notice.								

Type	C _N	U	L mm	B mm	H mm	kg
Lithium-ion battery	10 Ah	48 V DC	178	130	337	4.6

Type	Input voltage	Output voltage	P	L mm	B mm	H mm	kg	Charging time
Charger with mains cable	100-260 V / 45-70 HzWh	48 V DC / 1.6 A	100 W	218	121	55	1.35	approx.. 4.6 h

IEC C14 connector, Protective insulation Protection class I (DIN EN 61140)

- › Alongside bolting, the LDB-10 can also be used to drill sleepers using a suitable drilling adapter.
- › Environmentally-friendly battery operation ensures zero-emission working. Advantage: Can be used in tunnels. This tool can be operated during the night as its noise levels are considerably lower than with other drives.
- › The torque no longer has to be set on the LDB-10. The operator simply has to select the type of rail system from a pre-configured menu. The corresponding torques and bolting speeds have been pre-entered at the factory. The correct setting can be made quickly. And above all: Damages on the sleepers and bolts can be easily avoided.
- › The LDB-10 can also be equipped with a universal impact socket. With this socket, both clip bolts (hexagon 39 mm) and sleeper bolts (square 21/28) and even fishplate bolts (hexagon 41 mm) can be torqued. W-, KS-, K-rail and track switches can be torqued without that tools has to be changed.
- › The quality of each single bolt connection must be verified in line with increasing demands on safety and quality. The LDB-10 has been designed with this in mind and stores the type of rail track system, the time of bolting, the torque and the correct tightening. The memory saves up to 50 000 bolting operations and can be conveniently read out on the PC (documentation optional).
- › As one of the first tools the LDB-10 was released from the 1 % and 5 % prescribed-check (valid for Deutsche Bahn). User companies thus save resources and costs to a considerable extent.

