



MB-RAD

TESTED AND CERTIFIED BY

LIEBHERR

LIEBHERR DOCUMENT
TI 726/2018



RADIAL
TORQUE TOOLS

www.radialtorque.eu

MB-RAD LIEBHERR SERIES

The global tower crane manufacturer LIEBHERR has approved the battery-operated torque wrenches of the MB-RAD series for tower crane assembly. This opens up new technical possibilities for the assembly companies to quickly and safely assemble the bolted connections.

After extensive machine capability analysis and EMC tests of the torque wrenches in the torque range of 140-7.000 Nm, the LIEBHERR standard "Technical Information" now also includes the Battery MB-RAD Series torque wrenches. The use of non-approved torque wrenches for towercrane assembly is not permitted.

Secure bolted connections on tower cranes

The MB-RAD has a torque repeatability of 3 % and can be used reliably at ambient temperatures down to -20 °C without warming up. Thanks to the brushless electric motor, torque/angle controlled shut-off and limit value monitoring, the MB-RAD works extremely precisely and is a lot faster than any hydraulic torque wrench.

The MB-RAD Series torque wrenches can optionally be equipped with data logging or a torque check function for maintenance work.

MB-RAD Features:

- Brushless motor technology
- Torque + angle limits
- Bluetooth connectivity
- Bolt counter
- Torque control in anticlockwise rotation
- Multi-user level password protection
- Automatic reaction arm release
- Selectable menu languages
- Intelligent counter for life cycle and maintenance
- Repeatability +/- 3%
- Extremely low noise level – only 65 dB



For tower system /
Nominal size:

16HC175 (120HC) / M36

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16HC175 (120HC) / M36
17HC200 (170HC) / M45
21HC290 (256HC) / M45



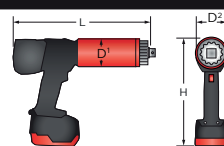
MB-RAD 1400 LIEBHERR



MB-RAD 4000 LIEBHERR



MB-RAD 7000 LIEBHERR

Toolkit	Tool	Drive size	Torque (Nm)		Speed	Weight	Dimensions (mm)				Dimension Drawing
Number	Model	Inches	Min	Max	RPM	Kg	L	H	D ¹	D ²	
200806	MB-RAD 1400 LIEBHERR	3/4"	140	1.400	10	3,5	231	262	63	67	
200807	MB-RAD 4000 LIEBHERR	1"	400	4.000	3	6,0	301	268	81	81	
200808	MB-RAD 7000 LIEBHERR	1 1/2"	700	7.000	2	8,7	322	277	95	95	

Repeatability of 3%



All MB-RAD LIEBHERR Tools include:

- Custom LIEBHERR reaction arm and retaining ring
- Four 18V / 8.0 Ah batteries with two fast charger
- User manual
- Calibration certificate
- Weatherproof storage case
- Safety instruction USB drive.

