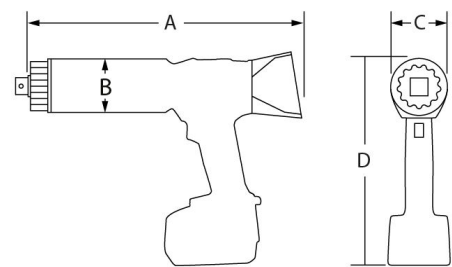


Battery Sensor-Controlled Angle Series MAD 90°-S

Our battery-powered torque wrench MAD 90°-S has a built-in torque sensor and shuts-off precisely by this sensor. Thereby the tool is insensitive to environment influences, such as friction, temperature or joint hardness. A very important safety feature is the shutdown according to torque/angle, also in counter-clockwise rotation. With this torquing tool one can tighten bolts by category A according to VDI/VDE 2862-2. Due to the brushless electric motor, the lifetime of the tool is increased.

- Sensor-controlled controlled tightening, also in CCW direction
- Torque range 70-7.000 Nm
- Total accuracy of $\pm 1,0\%$
- Torque Check Function
- Documentation System
- Automatic load release
- Integrated bolt position lighting
- Password protected access levels



Type	Drive size	Torque [Nm]		RPM [min ⁻¹]	Weight [kg]	Dimensions [mm]			
		min.	max.			A	B	C	D
MAD 14-90°-S	3/4"	140	1.400	10	4,3*	222	63	63	285
MAD 20-90°-S	1"	200	2.000	3,9	6,3*	232	69	63	290

OPTIONS

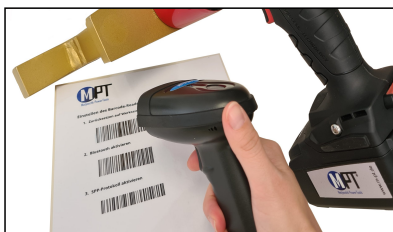
- Software integration into workerguidance systems PG(CSP), BoltPilot®, ProTight™, and others
- Li-HD battery with 8.0 Ah

ACCESSORIES

Tool handle



Barcode scanner



Offset gearbox



Special reaction arm



Double safety trigger



SCOPE OF DELIVERY

- Battery operated torque wrench MAD 90°-S
- Reaction arm with two retaining rings
- Two Lithium-ion batteries with 5,2 Ah/18 V
- Battery charger
- Torque Check Function
- Documentation System
- Calibration certificate
- Operation manual
- Tool case