

Mechanical loaders up to 400 N·m

7791



Product no. **52110091**
GTIN **4018754155439**
Model **7791**



Label.

Mechanical calibration device

Properties.

- **measurement possible without moving the point of application of force**
- thanks to a specially designed force transmission system, mechanical loader No 7791 avoids the risk of the point of force application shifting during the calibration process
- the lever below the test rail is actuated in a linear direction by the handwheel acting on a spindle
- the linear motion is translated into a rotary movement which acts on the transducer
- the torque wrench to be calibrated remains in the same position throughout the calibration process
- this prevents measuring errors caused by the point of force application being moved
- thanks to a low-friction linear ball bearing, the torque wrench is automatically levelled as it is placed in the unit
- a further linear ball bearing ensures the contact with the torque wrench is friction-free
- the reduction in lateral forces acting on the transducer and in the friction on the point of contact with the torque wrench results in a corresponding reduction in mismeasurement
- protected by national and international patents

Benefits.

Mechanical calibration device up to 400 N·m for torque wrenches and torque screwdrivers.

A special force transmission system prevents shifting of the force application point during the calibration process.

MANUTORK® 7791 significantly reduces the force and time required for calibrations and adjustments of torque wrenches.

A handwheel drives a lever which is moved linearly by a spindle and thus transmits a rotary movement to the transducer.

Due to reduced transverse forces on the transducer and a frictionless torque wrench support, measurement errors are largely avoided.

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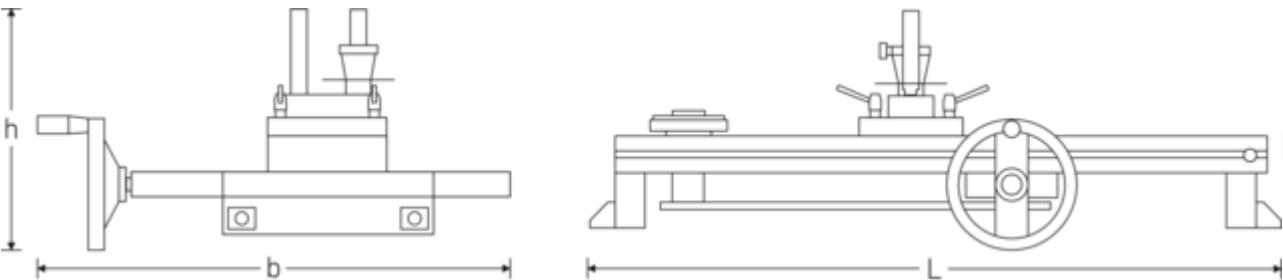
Product highlights.



Even more possibilities.

Additional modules such as connecting to CAQ systems with an automated interface or advanced methods such as machine capability testing (MFU) are available by request.

Technical drawing.



Technical attributes.

Width mm (b)	704 mm
Functional length (LF) max. mm	815 mm
for transducers	sizes 1-100
Height mm (h)	323 mm
Length mm (L)	1069 mm
Profile width	180 mm

Logistics data.

Depth mm (IFS)	1200
Width mm (IFS)	800
Height mm (IFS)	515
WEEE/ElektroG	nicht ear-pflichtig
Length (packed, mm)	1200
Width (packed, mm)	800
Height (packed, mm)	515
Volume (packed, dm3)	494.4 dm3
Art. no.	52110091
Weight (gross, kg)	44,800
Weight PAP (kg)	0,000

Weight PVC (kg)	0,000
GTIN	4018754155439
Country of origin AWR	GERMANY
Region of origin	Nordrhein-Westfalen
Customs tariff no.	90319000
Packing standard	1
Weight	44800 g

Variants.

Art. no.	Model no. (ERP)	Description	GTIN
52110091	7791	Mechanical calibration device	4018754155439

GTIN.

