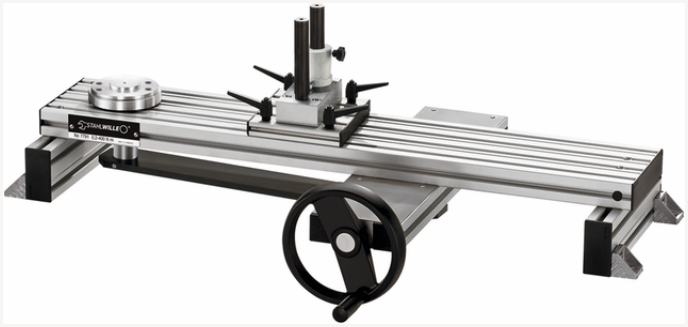
STAHLWILLE®

# 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.

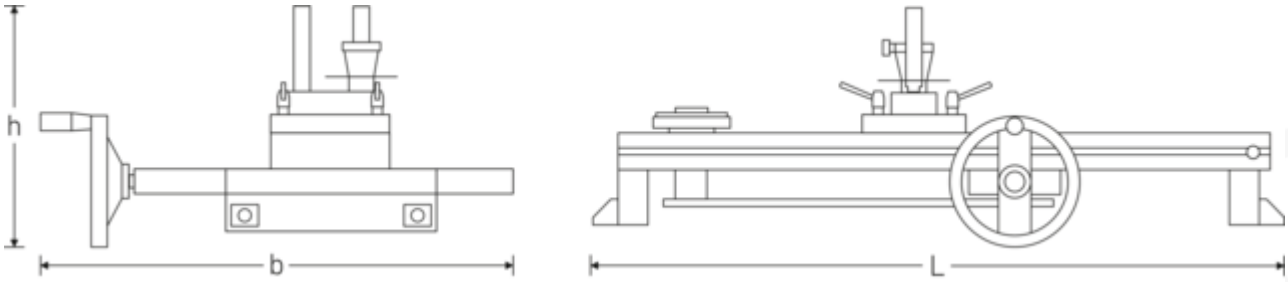
Due to reduced transverse forces on the transducer and a frictionless torque wrench support, measurement errors are largely avoided.

## Product highlights.

PRODUCT IMAGE IN PROGRESS

**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.

4 018754 155439

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