HELAGO-CZ, s.r.o.
Commercial Register maintained by the Regional Court in Hradec Králové
Section C, File 17879
Kladská 1082
500 03 Hradec Králové 3
Company ID: 25 96 39 61, VAT: CZ 25963961
Phone: 495 220 229, 495 220 394
Fax: 495 220 154
GSM gate: 602 123 096
E-mail: info@helago-cz.cz
Web: http://www.helago-cz.cz

WP 500 Torsion test, 30Nm

Order code: **5201.02050000**

Information about product price on demand

Parameters

Quantitative unit	ks

WP 500 Torsion test, 30Nm

The Torsion Test 30Nm is an advanced material testing apparatus designed to perform torsion tests on various metallic specimens such as steel, aluminum, and brass.

The device allows for manual generation of the twisting moment via a handwheel and worm gear.

It offers a flexible testing setup with adjustable specimen lengths and precision measurement systems for both twisting moment and angle.

Technical Data & Specifications:

- **Max. Twisting Moment:** 30Nm
- **Loading Device:** Worm gear with a transmission ratio of 1:63
- **Specimen Mounts:** 2x 17mm, hexagonal
- **Measuring Device:** Strain-gauge measuring shaft with compensation for inherent deformation; incremental encoder for twist angle measurement
- **Measuring Ranges:**
    - Twisting Moment: 0–30Nm
    - Angle of Twist: 0–±3200°, resolution: 0.1°
- **Display & Data Acquisition:** Electronic measuring amplifier with touch panel for moment and angle display; GUNT software for data acquisition via USB (Windows 10 compatibility)

Specimens Included:

- 4x 75mm, steel (diameter: 6mm)
- 4x 75mm, aluminium (diameter: 6mm)
- 4x 75mm, brass (diameter: 6mm)
- 2x 175mm, steel
- 2x 350mm, steel
- 2x 700mm, steel

Dimensions & Weight:

- **Experimental Unit:** 1400 x 700 x 500mm
- **Measuring Amplifier:** 230 x 210 x 120mm
- **Weight:** Approx. 43kg (total)

Power Supply:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase
- UL/CSA certification optional

Required for Operation:

- PC with Windows operating system recommended

This testing device allows precise torsion testing on different metallic materials, providing valuable data for material research, engineering, and design applications.

The easy-to-use interface, reliable measurement technology, and flexible specimen handling make it an excellent choice for professionals in materials testing.