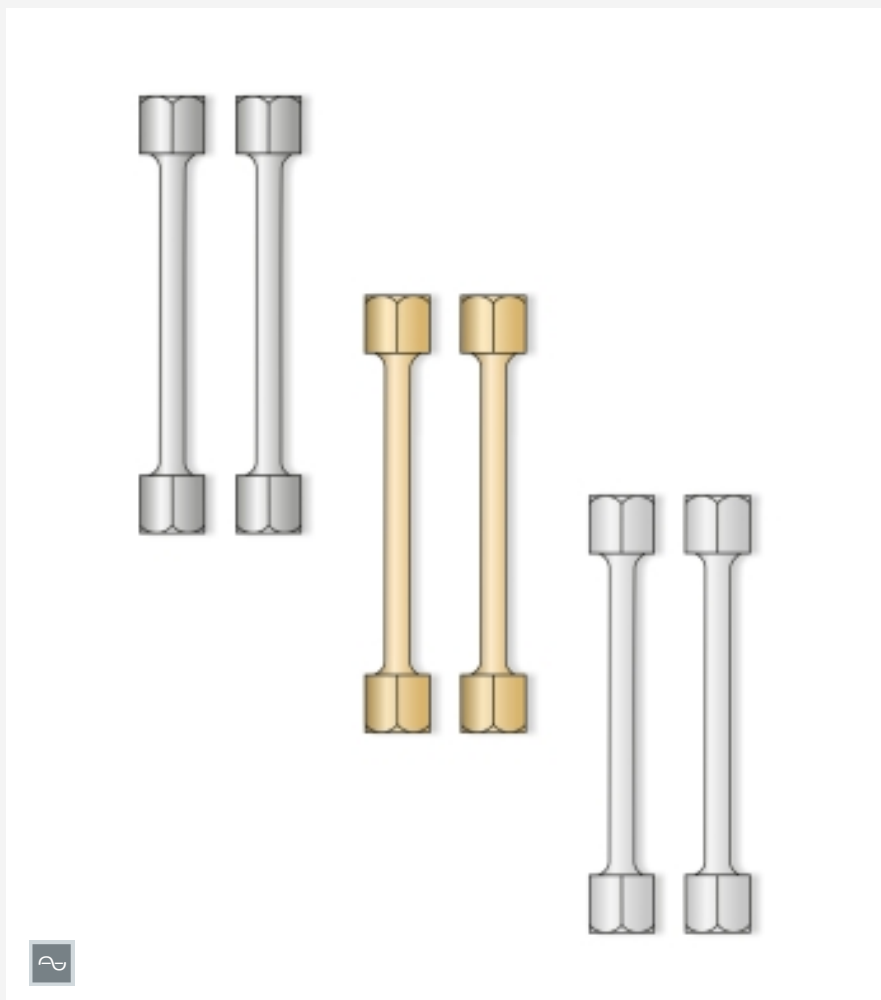


WP 500.01

Set of 6 torsion specimens, St, Al, CuZn



Learning objectives/experiments

- torsion tests with different materials on the WP 500 experimental unit

Specification

- [1] torsion specimens for torsion tests
- [2] each 2 specimens made of steel, aluminium, brass
- [3] accessory for WP 500 Torsion test, 30Nm

Technical data

Specimens, steel, aluminium, brass

- length: 115mm
- clamping length: 75mm
- specimen diameter in measuring cross-section: 6mm
- clamp fixing: SW17

Weight: approx. 300g

Scope of delivery

- 1 set of specimens (6 pieces)

Description

■ torsion specimens of round cross-section as accessories for the WP 500 experimental unit

This set of specimens is available as an accessory for the WP 500 experimental unit.

The specimen is installed in the experimental area of WP 500. The ends of the specimens have 17 mm hexagons for attachment.

In the experiment, metallic specimens are twisted until they are destroyed by a typical shear fracture. In contrast to the tensile and bending tests, the torsion causes a two-axis stress state. Shear stresses are produced in the specimen which deform it. The deformation is expressed as twisting of the two ends of the specimen towards each other.

The set contains two specimens made of steel, aluminium and two of brass.

WP 500.01

Set of 6 torsion specimens, St, Al, CuZn

Required accessories

WP 500 Torsion test, 30Nm

Optional accessories

WP 500.90 Torsiometer