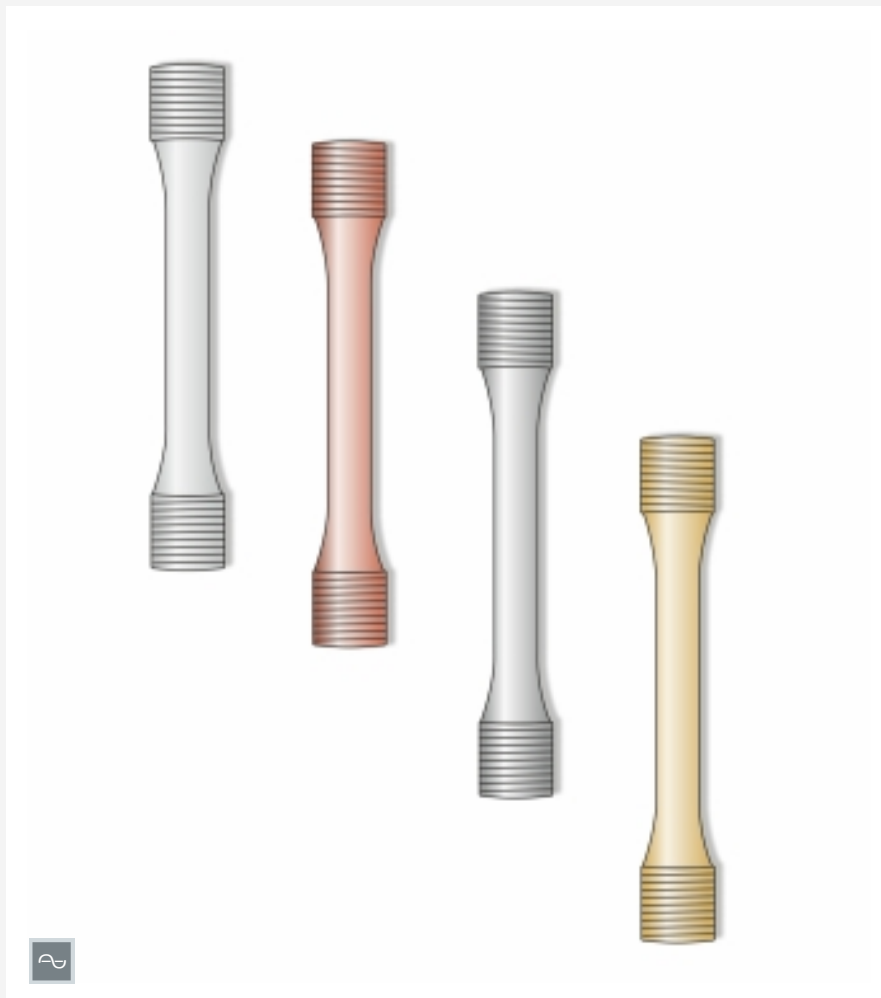


WP 300.02

Set of 4 tensile specimens, Al, Cu, St, CuZn



Learning objectives/experiments

- tensile tests with different materials on the WP 300 experimental unit

Specification

- [1] tensile specimens for tensile tests
- [2] 4 specimens made of aluminium, copper, brass, steel
- [3] specimens according to DIN 50125
- [4] accessory for WP 300 Materials testing, 20kN

Technical data

4 tensile specimens B6x30 in accordance with DIN 50125

- specimens diameter: 6mm
- test length: 30mm
- total specimen length: 64mm
- attachment thread: M10
- material: Al, Cu, St, CuZn

Weight: approx. 100g

Scope of delivery

- 1 set of specimens (4 pieces)

Description

- **tensile specimens of round cross-section in accordance with DIN 50125 as accessories for the WP 300 experimental unit**

This set of specimens is available as an accessory for the WP 300 experimental unit. The specimens comply with the requirements of DIN 50125 and are of circular cross-section. For marking the test length, there are two centre punch marks on the shafts.

The specimen is installed in the tensile area of WP 300, between top crossbar and crosshead. The ends of the specimens have M10 threads for attachment.

In the tensile test, a uniaxial state of stress is produced in the specimen by an external load in the longitudinal direction. Then a uniform normal stress distribution prevails in the test cross-section of the specimen. In order to determine the strength of the material, the load on the specimen is slowly and steadily increased, until the specimen breaks.

The set contains one specimen made of aluminium, one of copper, one of brass and one of steel.

WP 300.02

Set of 4 tensile specimens, Al, Cu, St, CuZn

Required accessories

WP 300 Materials testing, 20kN