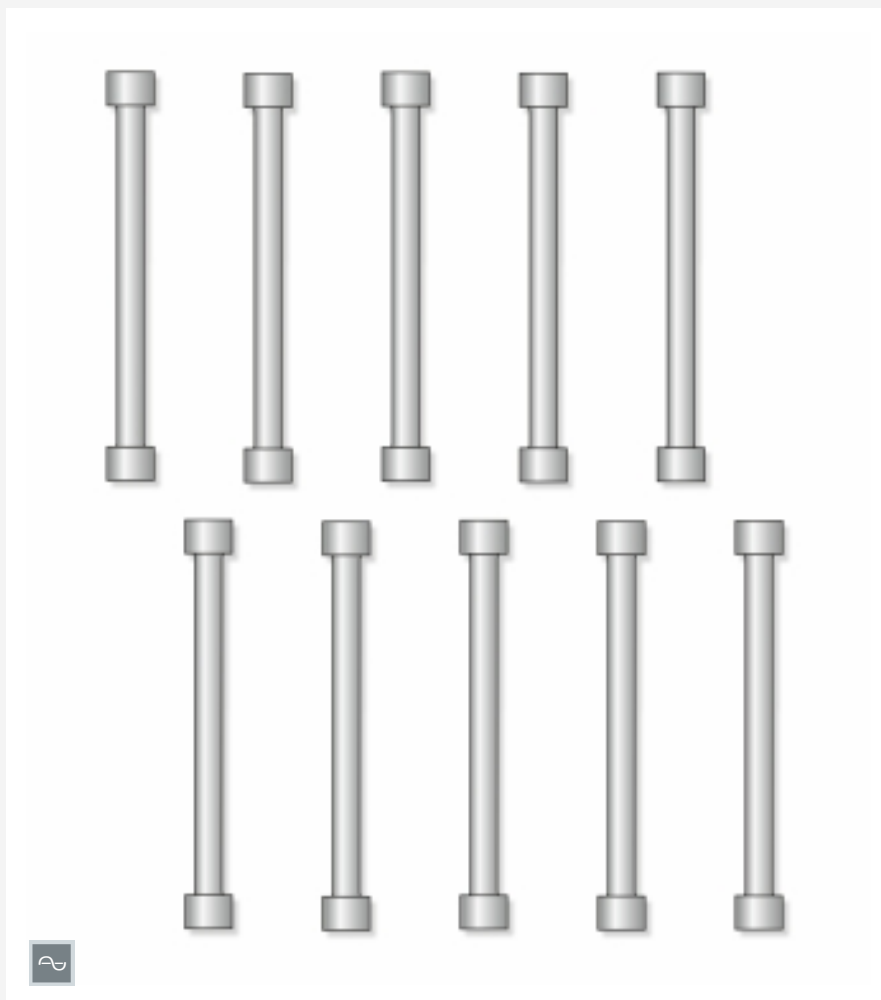


WP 310.13

Set of 10 tensile specimens, dumbbell-shaped, St



Learning objectives/experiments

- together with WP 310.07: tensile tests on the WP 310 experimental unit

Specification

- [1] tensile specimens for tensile tests
- [2] 10 specimens made of steel
- [3] specimens dumbbell-shaped
- [4] accessory for holder WP 310.07
- [5] accessory for WP 310 Materials testing, 50kN

Technical data

- 10 tensile specimens
- specimens diameter: 8mm
 - dumbbell diameter: 14mm
 - dumbbell length: 10mm
 - total specimen length: 122mm
 - material: St

Weight: approx. 800g

Scope of delivery

- 1 set of specimens (10 pieces)

Description

- tensile specimens of round cross-section, dumbbell-shaped
- together with WP 310.07 as accessories for the WP 310 experimental unit

This set of specimens is available as an accessory for the WP 310 experimental unit. The specimens are of circular cross-section and are dumbbell-shaped.

The specimen is installed in the holder of WP 310.07. The resulting device is clamped into the tensile area of WP 310, between top and lower cross-bar.

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 ten specimens made of steel.

WP 310.13

Set of 10 tensile specimens, dumbbell-shaped, St

Required accessories

WP 310	Materials testing, 50kN
WP 310.07	Clamping device for tensile specimens, dumbbell-shaped