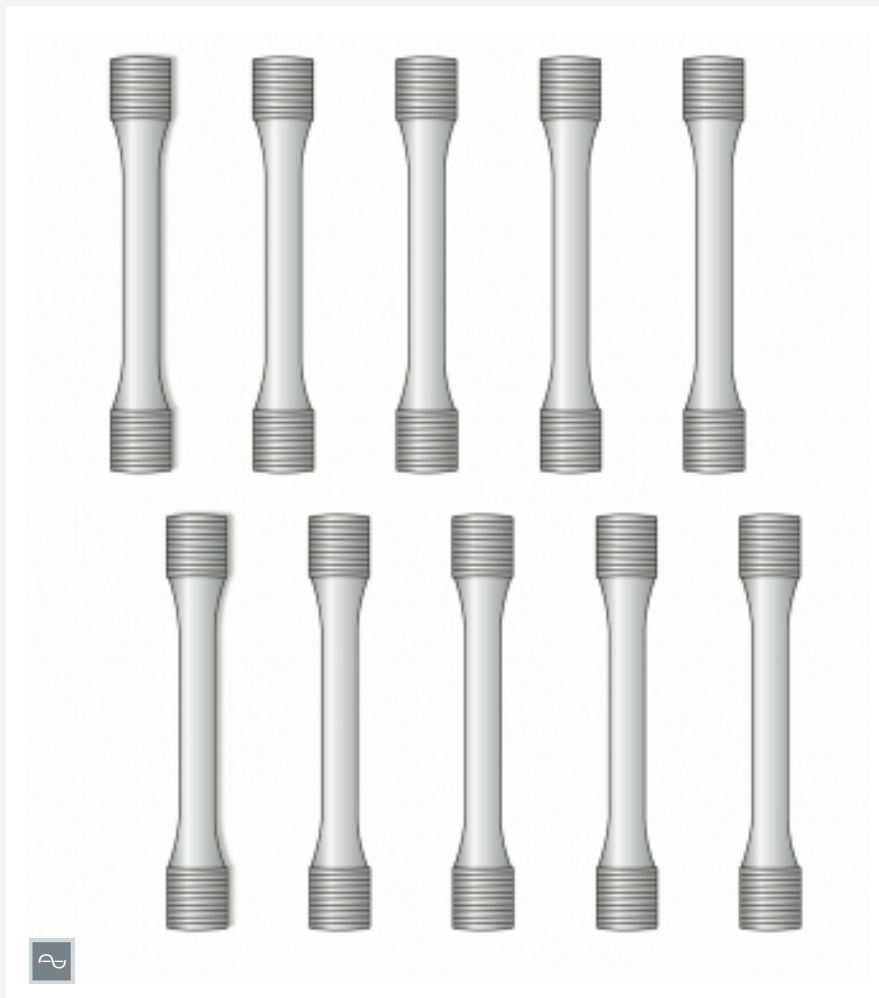


# WP 310.11

## Set of 10 tensile specimens B10x50, St



### Learning objectives/experiments

- together with WP 310.06: tensile tests on the WP 310 experimental unit

### Specification

- [1] tensile specimens for tensile tests
- [2] 10 specimens made of steel
- [3] specimens according to DIN 50125, B10x50
- [4] accessory for clamping device WP 310.06
- [5] accessory for WP 310 Materials testing, 50kN

### Technical data

10 tensile specimens B10x50 in acc. with DIN 50125

- specimens diameter: 10mm
- test length: 50mm
- total specimen length: 90mm
- attachment thread: M16
- material: St

Weight: approx. 850g

### Scope of delivery

- 1 set of specimens (10 pieces)

### Description

- **tensile specimens of round cross-section in accordance with DIN 50125**
- **together with WP 310.06 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 comply with the requirements of DIN 50125 and are of circular cross-section.

The specimen is installed in the clamping device of WP 310.06. The ends of the specimens have M16 threads for attachment. 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 310.11**

### **Set of 10 tensile specimens B10x50, St**

Required accessories

020.31000

WP 310

Materials testing, 50kN

020.31006

WP 310.06

Clamping device for tensile specimens, threaded end