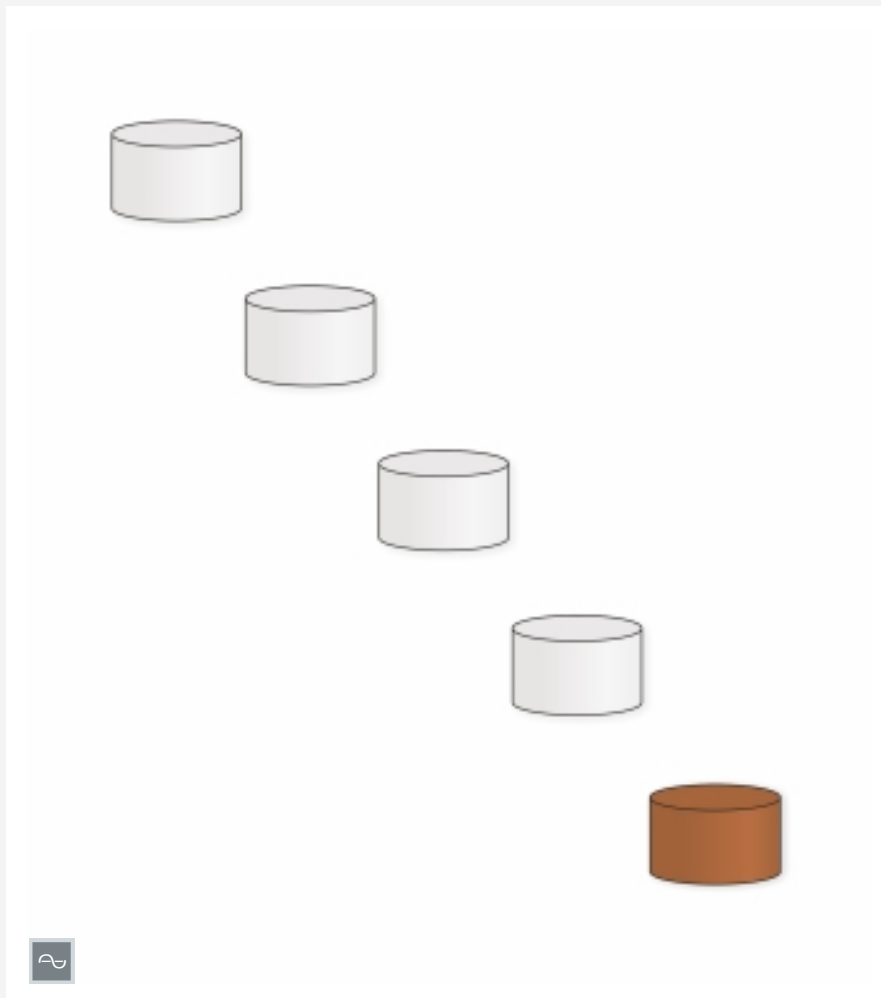


WP 310.15

Set of compression specimens, 4x plastic, 1x wood



Learning objectives/experiments

- together with WP 310.04: compression tests on the WP 310 experimental unit

Specification

- [1] compression specimens for compression tests
- [2] 4 specimens made of plastic
- [3] 1 specimen made of wood
- [4] accessory for compression plates WP 310.04
- [5] accessory for WP 310 Materials testing, 50kN

Technical data

- 5 compression specimens
- specimens diameter: 18mm
- total specimen length: 14mm
- material: plastic, wood

Weight: approx. 50g

Scope of delivery

- 1 set of specimens (5 pieces)

Description

- together with WP 310.04 as accessories for the WP 310 experimental unit

This set of specimens is available as an accessory for the WP 310 experimental unit. The specimen is installed in the compression plates of WP 310.04. The resulting device is clamped into the tensile area of WP 310, between top and lower crossbar.

In the compressive test, a uniaxial state of stress is produced in a geometrically defined specimen. This state of stress is produced by an external load on the specimen in the longitudinal direction via a compressive force. 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 ruptures.

The set contains four specimens made of plastic and one specimen made of wood.

WP 310.15

Set of compression specimens, 4x plastic, 1x wood

Required accessories

WP 310	Materials testing, 50kN
WP 310.04	Compression plates for compression tests