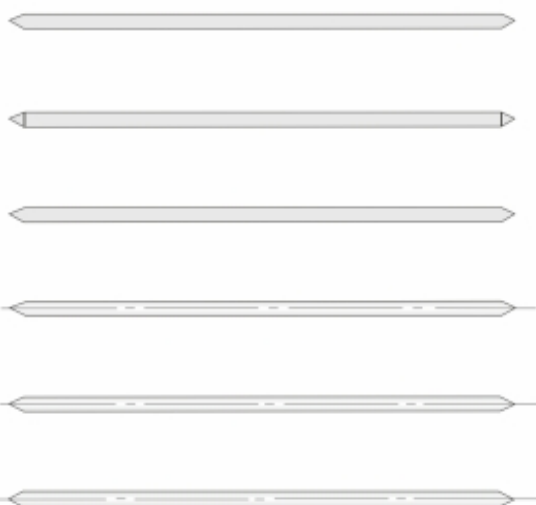
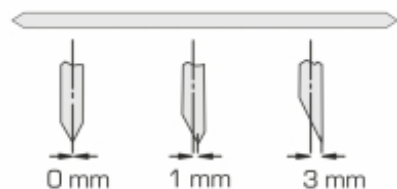


WP 120.01

Set of 10 test bars



Description

- **test bars made of different metals to investigate buckling behaviour on the WP 120 experimental unit**

The set contains ten test bars with different lengths made of different materials. The test bars are pinned.

This set of specimens is available as an accessory for the WP 120 experimental unit.

The experimental unit WP 120 is used to demonstrate how various factors such as bar length, material and support type affect the buckling behaviour. In this experiment, a bar is supported at both ends in the experimental unit. A hand-operated spindle is used to apply a compressive force to the bar.

Learning objectives/experiments

- with WP 120: investigation of buckling behaviour under the influence of
 - ▶ different cross-section shapes
 - ▶ eccentric application of force

Specification

- [1] test bars for investigation of all relevant buckling problems
- [2] test bars with different lengths made of different materials
- [3] test bars pinned

Technical data

- 3 flat bars, St
 - cross-section: 25x6mm
 - bar length: 500mm
 - eccentricity: 0mm, 1mm, 3mm

- 1 flat bar, Al
 - cross-section: 40x6mm
 - bar length: 500mm

- 1 flat bar, GRP
 - cross-section: 25x10mm
 - bar length: 700mm

- 1 square tube, Al
 - cross-section: 20x10x2mm
 - bar length: 700mm

- 1 round tube, Al
 - cross-section: \varnothing 15x2mm
 - bar length: 700mm

- 2 round tubes, PVC
 - cross-section
 - ▶ \varnothing 16x2mm
 - ▶ \varnothing 20x1,5mm
 - bar length: 400mm

- 1 round bar, Al
 - cross-section: \varnothing 14mm
 - bar length: 700mm

Weight: approx. 11kg

Scope of delivery

- 1 set of specimens

WP 120.01

Set of 10 test bars

Required accessories

WP 120 Buckling behaviour of bars