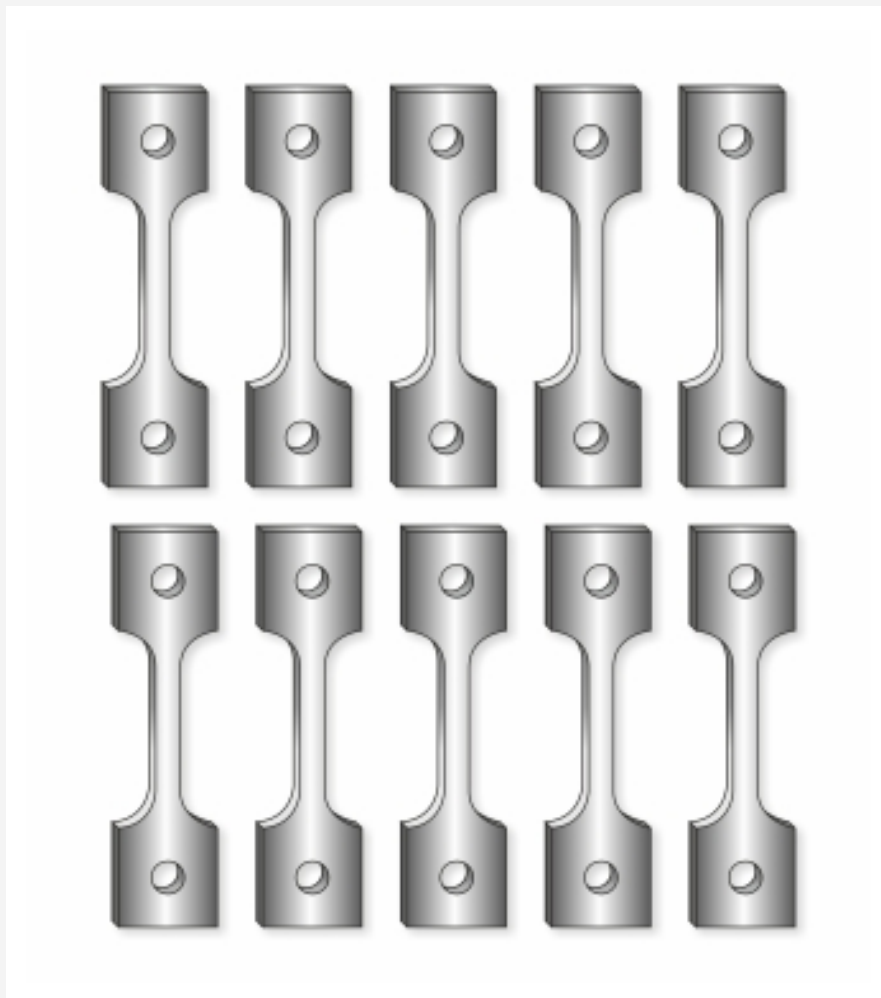


WP 600.02

Set of 10 specimens, Pb



Learning objectives/experiments

- creep rupture tests on the WP 600 experimental unit

Specification

- [1] specimens for creep rupture test
- [2] 10 specimens made of lead
- [3] accessory for WP 600 Creep rupture test

Technical data

Specimens, lead (Pb)

- LxWxH: 80x20x2mm
- clamping length: 60mm
- measuring cross-section: 10mm²
- measuring length: 25mm

Weight: approx. 250g

Scope of delivery

- 1 set of specimens (10 pieces)

Description

■ specimens of rectangular cross-section as accessories for the WP 600 experimental unit

This set of specimens is available as an accessory for the WP 600 experimental unit. The specimens are of rectangular cross-section.

In order to generate acceptable creep rates at room temperature which are suitable for demonstration purposes, lead and plastic samples are used. These materials indicate clear creep at room temperature and low stresses. The test lasts between a few minutes and one hour.

The specimen is installed in the experimental area of WP 600. In the creep rupture test, a specimen is subjected to load at constant stress and constant temperature.

The plastic deformations are measured in continuous intervals. All measured values can then be transferred to a creep diagram. The measured elongation shows a characteristic curve, which is known as the creep curve. The creep rupture test determines the characteristic values for the creep strength and the various strain values.

The set contains ten specimens made of lead (Pb).

WP 600.02

Set of 10 specimens, Pb

Required accessories

WP 600 Creep rupture test