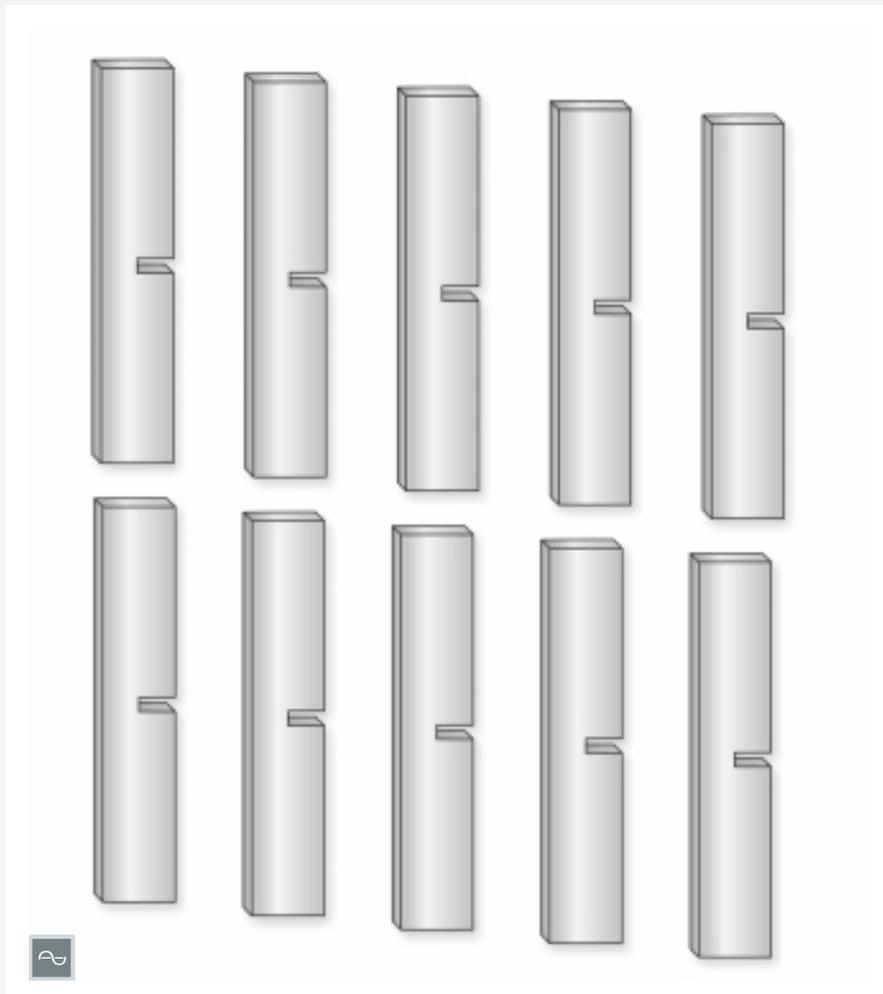


## WP 400.06

### Set of 10 R5 specimens, free cutting steel



#### Learning objectives/experiments

- together with WP 400
  - ▶ determine the notched-bar impact work
  - ▶ determine the notched-bar impact strength
  - ▶ analyse the fracture surface characteristics
  - ▶ plot a notched-bar impact work-temperature diagram

#### Specification

- [1] specimens for Charpy notched-bar impact test
- [2] 10 specimens made of free cutting steel, form R5
- [3] accessory for WP 400 Impact test, 25Nm

#### Technical data

10 notched-bar impact specimens

- form: R5
- LxWxH: 55x5x10mm
- notch: 2x5mm
- material: free cutting steel

Weight: approx. 250g

#### Scope of delivery

- 1 set of specimens (10 pieces)

#### Description

##### ■ R5 specimens as accessories for the WP 400 experimental unit

The set contains ten R5 specimens made of free cutting steel.

This set of R5 specimens is available as an accessory for the WP 400 experimental unit. In a Charpy test, a notched specimen whose two ends lie on a support is broken or bent by hammer impact and drawn through the supports. The resistance of the specimen against this load provides an insight into the notched bar impact strength of the material.

## **WP 400.06**

### **Set of 10 R5 specimens, free cutting steel**

Required accessories

WP 400

Impact test, 25Nm