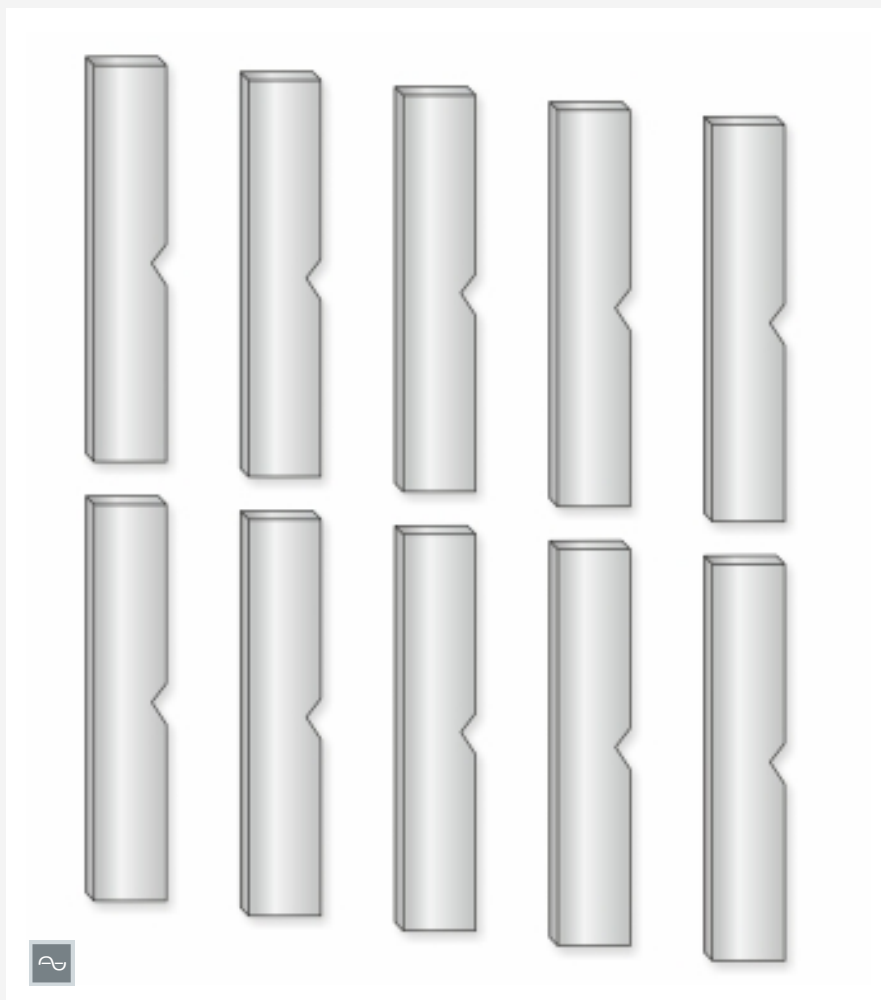


## WP 400.07

### Set of 10 R7 specimens, heat treatable 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 heat treatable steel, form R7
- [3] accessory for WP 400 Impact test, 25Nm

#### Technical data

10 notched-bar impact specimens

- form: R7
- LxWxH: 55x5x10mm
- notch: 2x7mm
- material: heat treatable steel

Weight: approx. 250g

#### Scope of delivery

- 1 set of specimens (10 pieces)

#### Description

##### ■ R7 specimens as accessories for the WP 400 experimental unit

The set contains ten R7 specimens made of heat treatable steel.

This set of R7 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 400.07**

### **Set of 10 R7 specimens, heat treatable steel**

Required accessories

WP 400                  Impact test, 25Nm