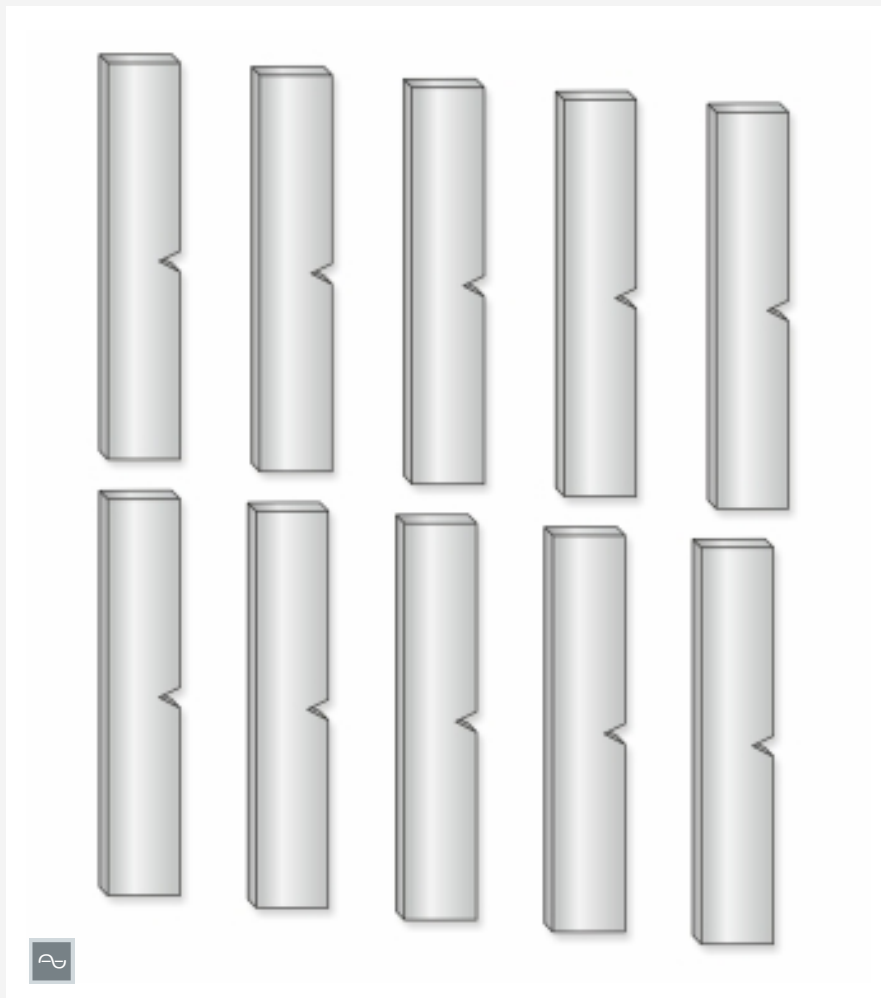


WP 410.01

Set of 10 ISO-V specimens 10x10, stainless steel



Learning objectives/experiments

- together with WP 410
 - ▶ 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 stainless steel, form ISO-V
- [3] accessory for WP 410 Impact test, 300Nm

Technical data

10 notched-bar impact specimens

- form: ISO-V
- LxWxH: 55x10x10mm
- notch radius: 0,25mm
- material: stainless steel

Weight: approx. 500g

Scope of delivery

- 1 set of specimens (10 pieces)

Description

■ ISO-V specimens as accessories for the WP 410 experimental unit

This set of ISO-V specimens is available as an accessory for the WP 410 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.

The results of the Charpy test offer a reference for the properties of the material. However, they are only valid for comparison when they are attained with geometrically equivalent specimens under the same test conditions. For this reason, only ISO profile specimens are used as well as notched specimens with a rectangular profile (GUNT- profile).

The set contains ten ISO-V specimens made of stainless steel (1.4301).

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Required accessories

WP 410 Impact test, 300Nm