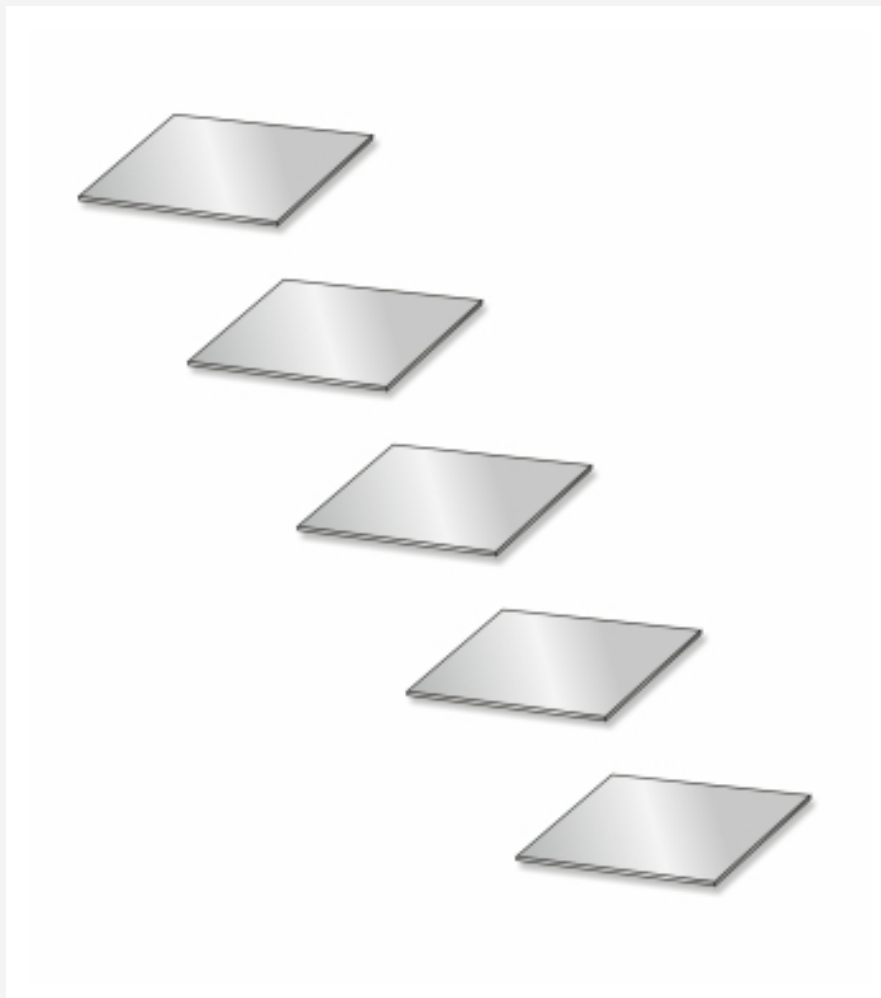


WP 300.41

Set of 5 cupping specimens, Al



Learning objectives/experiments

- in combination with WP 300.11: cupping tests with thin sheet metal specimens on the WP 300 experimental unit

Specification

- [1] thin sheet metal specimens for cupping tests
- [2] 5 specimens made of aluminium
- [3] accessory for WP 300.11 device
- [4] accessory for WP 300 materials testing, 20kN

Technical data

- 5 specimens
- LxWxH: 60x60x1 mm
- material: aluminium

Weight: approx. 50g

Scope of delivery

- 1 set of specimens (5 pieces)

Description

- **thin sheet metal specimens together with WP 300.11 as an accessory for the WP 300 experimental unit**

This set of specimens is available as an accessory for the WP 300 experimental unit. The specimens have a square cross-section and are made of thin sheet metal.

The specimens are positioned in the WP 300.11 device for cupping tests. The device is inserted in the WP 300 experimental unit.

In experiments, the thin sheet metal specimen is deformed until it cracks. The mirror allows you to observe the specimen from below and to see exactly when the crack starts.

The depth achieved in mm is defined as a standard of comparison for cold formability. In addition, the type of the rupture and the surface structure of the sagging area are analysed.

The set contains five aluminium specimens.

WP 300.41

Set of 5 cupping specimens, Al

Required accessories

WP 300 with	Materials testing, 20kN
WP 300.11 or	Device for cupping tests
WP 310 with	Materials testing, 50kN
WP 310.10	Device for cupping tests