

HM 170.11

Drag body concave shape



Learning objectives/experiments

- experiments on bodies immersed in a flow
- determination of the drag coefficient (c_d factor)

Specification

- [1] drag body concave shape for experiments on bodies immersed in a flow
- [2] accessory for the wind tunnel HM 170
- [3] bracket made of corrosion-resistant steel
- [4] concave shape painted for smooth surface

Technical data

drag body concave shape

- \varnothing 80mm
- length: 68,7mm
- painted in RAL 3000

Bracket

- corrosion-resistant steel
- \varnothing 4mm

DxH: 80x68,65mm

Weight: 0,5kg

Scope of delivery

- 1 drag body

Description

■ experiments on bodies immersed in a flow

The concave shape drag body is investigated in the measuring section of the wind tunnel HM 170. The drag body consists of a concave shape made of wood and a mounting bracket made of corrosion-resistant steel. The concave shape is painted red. The drag body is placed in the force sensor, this indicates the drag force as a measured value in flow around bodies.

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Required accessories

HM 170 Open wind tunnel

Optional accessories

HM 170.40 Three-component force sensor