HM 170.10
Drag body paraboloid

Learning objectives/experiments

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

Specification

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

Technical data

Paraboloid
- Ø 80mm
- length: 90mm
- painted in RAL 3000

Bracket
- corrosion-resistant steel
- Ø 4mm

DxH: 80x90mm
Weight: approx. 0,5kg

Scope of delivery

1 drag body

Description

- **experiments on bodies immersed in a flow**

The paraboloided shape drag body is investigated in the measuring section of the wind tunnel HM 170. The drag body consists of a paraboloid made of wood and a mounting bracket made of corrosion-resistant steel. The paraboloid 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