**HM 170.03**

Drag body circular disc

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### Description

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

The circular disc drag body is investigated in the measuring section of the wind tunnel HM 170. The drag body consists of a circular disc made of steel sheet and a mounting rod made of corrosion-resistant steel. The circular disc 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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### Learning objectives/experiments

- Experiments on bodies immersed in a flow
- Determination of the drag coefficient ($c_d$ factor)

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### Specification

1. Circular disc 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. Circular disc painted for smooth surface

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### Technical data

**Circular disc**
- Ø 80mm
- Steel sheet, 1mm
- Painted in RAL 3000

**Bracket**
- Corrosion-resistant steel
- Ø 4mm

LxWxH: 80x5x280mm
Weight: approx. 0,2kg

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### Scope of delivery

1. Drag body
HM 170.03
Drag body circular disc

Required accessories

070.17000        HM 170        Open wind tunnel

Optional accessories

070.17040        HM 170.40      Three-component force sensor