

# HM 170.07

## Drag body cylinder



### Learning objectives/experiments

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

### Specification

- [1] cylinder 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] cylinder painted for smooth surface

### Technical data

#### Cylinder

- $\varnothing$  50mm
- length: 100mm
- wood
- painted in RAL 3000

#### Bracket

- corrosion-resistant steel
- $\varnothing$  4mm

LxWxH: 50x50x290mm

Weight: approx. 0,3kg

### Scope of delivery

- 1 drag body

### Description

#### ■ experiments on bodies immersed in a flow

The cylindrical drag body is investigated in the measuring section of the wind tunnel HM 170. The drag body consists of a cylinder made of wood and a mounting rod made of corrosion-resistant steel. The cylinder 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.

# HM 170.07

## Drag body cylinder

### Required accessories

HM 170            Open wind tunnel

### Optional accessories

HM 170.40        Three-component force sensor