

# 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] drag body for experiments on bodies immersed in a flow
- [2] cylinder made of wood,  $d=50\text{mm}$ ,  $100\text{mm}$  long
- [3] bracket made of corrosion-resistant steel,  $d=4\text{mm}$
- [4] cylinder painted in RAL 3000

### Technical data

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.