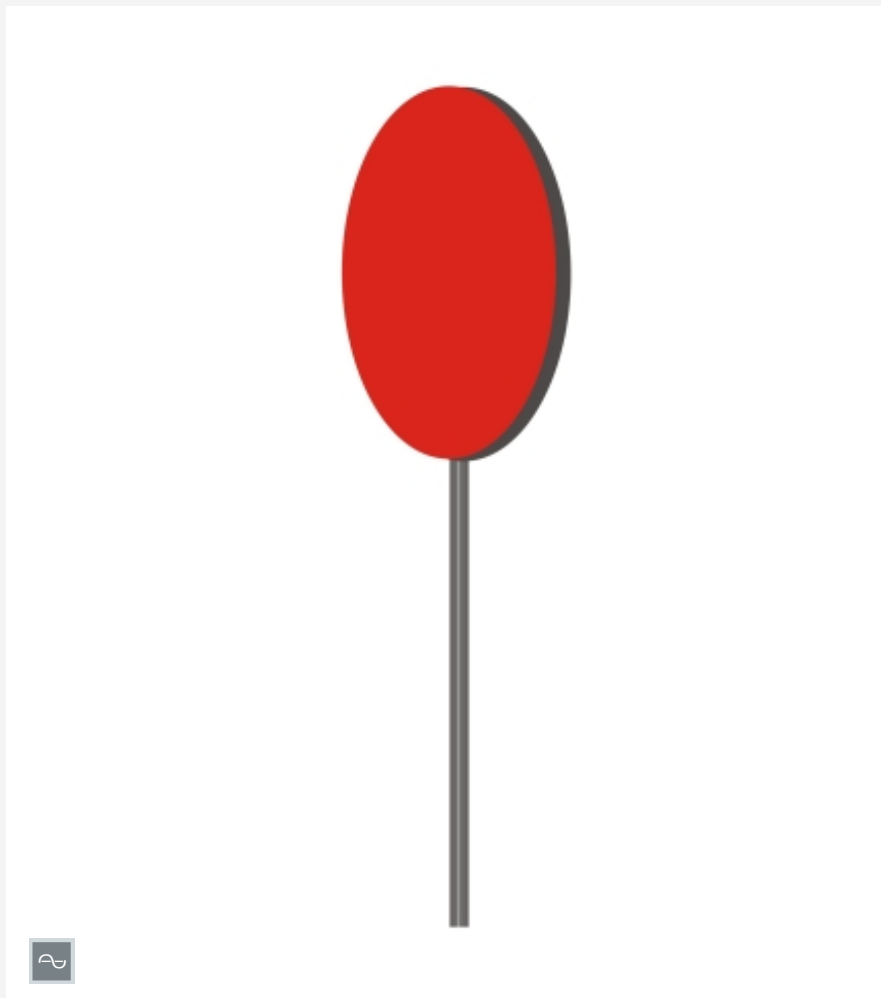


HM 170.03

Drag body circular disc



Learning objectives/experiments

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

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

Technical data

Circular disc

- \varnothing 80mm
- steel sheet, 1mm
- painted in RAL 3000

Bracket

- corrosion-resistant steel
- \varnothing 4mm

LxWxH: 80x5x280mm

Weight: approx. 0,2kg

Scope of delivery

- 1 drag body

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.

HM 170.03

Drag body circular disc

Required accessories

HM 170 Open wind tunnel

Optional accessories

HM 170.40 Three-component force sensor