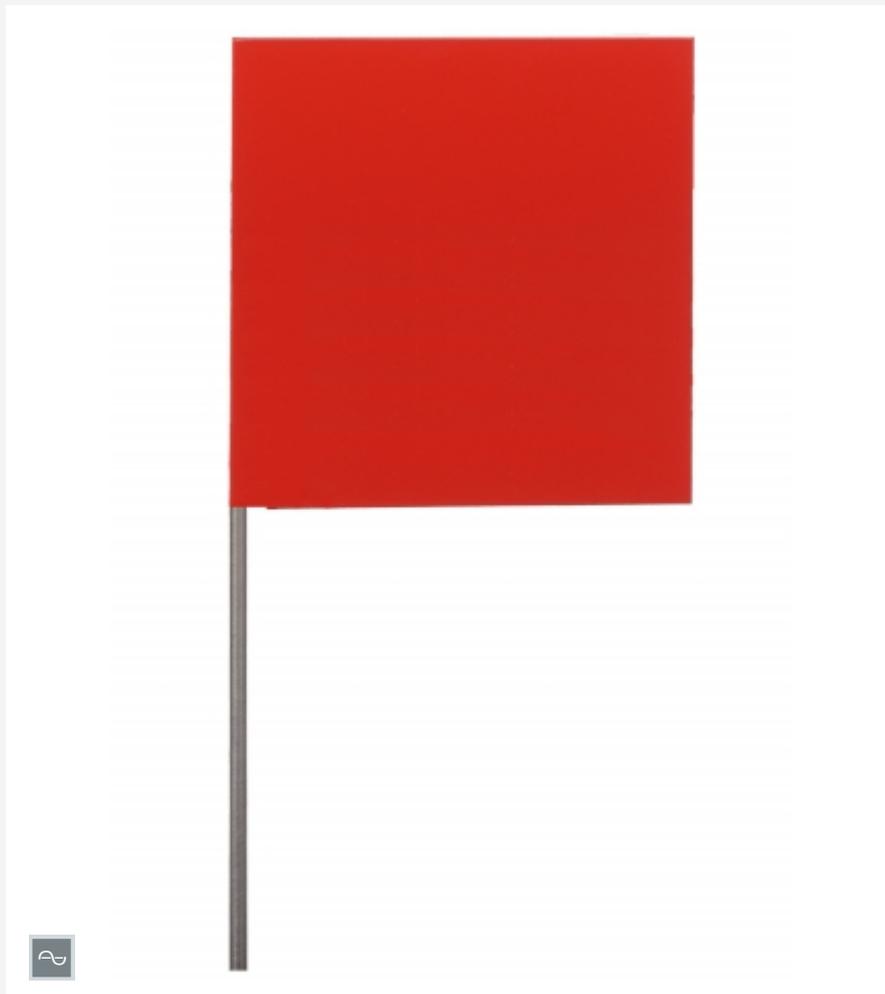


HM 170.06

Lift body flag



Learning objectives/experiments

- experiments on bodies immersed in a flow
- determination of the drag coefficient (c_d factor)
- determination of the lift coefficient
- together with the force sensor HM 170.40
 - ▶ determination of the moment coefficient

Specification

- [1] lift body for experiments on bodies immersed in a flow
- [2] flag made of 1mm thick steel sheet, 100x100mm
- [3] bracket made of corrosion-resistant steel, $d=4\text{mm}$
- [4] flag painted in RAL 3000

Technical data

LxWxH: 100x4x360mm
Weight: approx. 0,2kg

Scope of delivery

- 1 lift body

Description

■ experiments on bodies immersed in a flow

The lift body flag is investigated in the measuring section of the wind tunnel HM 170. The lift body consists of a flag made of steel sheet and a mounting rod made of corrosion-resistant steel. The flag is painted red. The lift body is placed in the force sensor, this indicates the drag force and the lift force as a measured value in flow around bodies.