

HM 170.01

Drag body sphere



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] sphere, $d=80\text{mm}$
- [3] bracket made of corrosion-resistant steel, $d=4\text{mm}$
- [4] sphere painted in RAL 3000

Technical data

LxWxH: 80x80x280mm
Weight: approx. 0,3kg

Scope of delivery

- 1 drag body

Description

■ experiments on bodies immersed in a flow

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