HM 170.05
Drag body square plate

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] square plate made of 1mm thick steel sheet, 71x71mm
[3] bracket made of corrosion-resistant steel, d=4m
[4] square plate painted in RAL 3000

Technical data

LxWxH: 71x4x280mm
Weight: approx. 0,2kg

Scope of delivery

1 drag body

Description

- **experiments on bodies immersed in a flow**

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