

IMPACT OF A JET

Mod. HB6/EV

DESCRIPTION

This apparatus enables to measure the force developed by a jet on a stationary object. It consists of a cylindrical transparent vessel inside which the water jet generated by a nozzle hits an object hold by a stem. The force exerted by the water jet causes a rise of the stem that can be counterbalanced by adding weights in order to bring it to the initial position. Thus the force exerted by the water jet on the stationary object can be determined. A total of three targets are provided: a flat target, a 45° cone, a hemispherical target.



TRAINING PROGRAM:

- Measuring the force exerted by a water jet on different targets and comparing with the results predicted

TECHNICAL CHARACTERISTICS:

- Diameter of cylinder: 180 mm
- Height of cylinder: 300 mm
- 2 interchangeable nozzles diameter: 8 mm, 5 mm
- Distance between nozzle and target: 20 mm
- Diameter of target plate: 30 mm
- Types of targets with different shape:
 - flat target
 - 45° cone
 - hemispherical target
- Set of weights

Dimensions: 300 × 300 × 700 (h) mm
Weight: 10 kg

REQUIRED

HYDRAULIC BENCH MOD. HB/EV OR HB-E/EV
 - NOT INCLUDED -
 or water supply (@2 bar) and drain



SUPPLIED WITH

THEORETICAL-EXPERIMENTAL HANDBOOK



OPTIONAL

SPREADSHEET SOFTWARE
 For fluid mechanics equipment
Mod. SW-HB6/EV

