

Product Name :

Impact of a Jet

Product Code :

ALABS-A43-059

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Description :

Impact of a Jet

- Discharge nozzle inside clear acrylic cylinder
- Four different target plates which fit onto a balance mechanism
- Quick release fitting for easy connection to hydraulics bench
- Educational Software available as an option

Description:

The apparatus consists of a cylindrical clear acrylic fabrication with provision for levelling. Water is fed through a nozzle and discharged vertically to strike a target carried on a stem which extends through the cover.

A weight carrier is mounted on the upper end of the stem. The dead weight of the moving parts is counter-balanced by a compression spring. The vertical force exerted on

the target plate is measured by adding the weights supplied to the weight pan until the mark on the weight pan corresponds with the level gauge. A total of four targets are provided: a flat plate, a 120° cone and a hemispherical cup.

Technical Details:

Name

Nozzle diameter:

Distance between nozzle & target plate:

Diameter of target plate:

Target plates

- 120° target (cone)

- flat target

- 30° target



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