

**Specifications:-**

- Should Investigate The Force Generated By A Jet Striking Plates (representing Turbine Vanes)
- The Equipment Should Show The Force Produced By A Jet Of Water
- It Should Consist Of A Transparent Cylinder Containing A Vertically Tapered Nozzle And A Test Plate
- The Cylinder Should Be On Legs And To Be Mounted On The Top Of A Hydraulic Bench
- The Nozzle, Supplied By A Hydraulic Bench, Should Produce A High-Velocity Jet Of Water Which Hits The Test Plate
- The Test Plate Should Connect To A Weigh Beam Assembly With Jockey Weight Which Measures The Jet Force
- Should Have A Drain Tube In The Base Of The Cylinder
- All Test Plates Should Be Easily Interchangeable, Taking Only A Few Seconds And Needing No Tools
- Experimental Capabilities:
 1. Measurement Of The Impact Force On Flat And Hemispherical Plates And Comparison With Momentum Change
 2. Measurement Of The Impact Force On An Angled Flat Plate & Conical Plate And Comparison With Momentum Change

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

- Technical Parameters:
- Flat Plate: 74mm Dia. Or Higher, Normal To And Coincident With The Jet Axis
- Hemispherical Plate: 60mm Diameter Or Higher
- Conical Plate: Minimum 75mm Dia. 120°
- Angled Plate: Minimum 75mm Dia. 30°
- Jockey Weight: Minimum 600g
- Weight Beam Scale: 250mm Or Higher In 1mm Divisions
- Nominal Nozzle Diameter: 10mm Or Higher
- Nominal Distance From Nozzle Tip To Impact Point On Vane: 35mm Or Higher
- Should Be Supplied With All Necessary Pipe Clips, Tubing And Printed Operation Manual
- Hydraulics Data Management System Software:
- Simple Software Tool For Manual Data Entry And Recording Of Data For Hydraulics Experiments
- Intuitive And Easy-To-Use, With Clear, Customisable Display And Layout Options

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