

MEE 32 Order Code -22235575.4.32 **ROPE BELT FRICTION APPARATUS**



Description:

This wall-mounted apparatus is designed for educational and experimental investigations into friction and tension in pulley systems. It allows for a detailed study of friction coefficients, belt tensions, and the impact of different pulley angles.

Features:

- Apparatus Components:
 - Fixed Pulley: One fixed pulley included in the setup.
 - Interchangeable Pulley: A second, interchangeable pulley to accommodate various experiments.
 - Loaded Rope Belt: Includes a cotton rope belt and two load hangers arranged in a complete loop.
 - Pulleys with Vee Grooves: Four pulleys with vee grooves at angles of 60, 90, and 120 degrees, as well as a flat rim pulley.
 - Alternative Mounting Positions: Provides options to vary the lap angle for experimentation.
 - **Instruction Manual:** Comprehensive guide for students and lecturers.

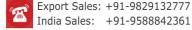
Specifications:

- Dimensions (excluding weights): 250 x 150 x 370 mm
- Weight (excluding weights): Approx. 19 kg

Applications:

- Determination of the coefficient of friction between a steel pulley and a cotton rope.
- Investigation of belt tensions and their variations.
- Evaluation of the effects of different V angles in the pulleys and varying lap angles on performance.

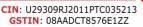
Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.





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

















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