

**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.



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ROPE BELT FRICTION APPARATUS



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