



### Description:

This wall-mounted apparatus is designed for educational and experimental purposes to analyze the relationships between belt tensions and friction. It provides a comprehensive setup for comparing different belt types and their performance.

### Features:

- **Apparatus Components:**

- **Pulley:** Aluminium alloy with an approximate diameter of 150 mm. The pulley is equipped with machined grooves to accommodate three types of belts and is graduated in 15-degree intervals.
- **Belts:** Includes three belt types—vee, rope, and flat.
- **Load Hangers:** Two load hangers are included for applying weights.
- **Set of Weights:** Supplied separately for experimentation.
- **Instruction Manual:** Provides detailed guidance for students and lecturers.

### Specifications:

- **Dimensions (excluding weights):** 230 x 150 x 280 mm
- **Weight (excluding weights):** Approx. 10 kg

### Applications:

- Observing the relationship between the tensions on either side of a belt.
- Assessing and comparing the performance of vee, rope, and flat belts.
- Determining the coefficient of friction between the pulley and each of the three belt sections.
- Investigating the effect of the angle of lap on belt performance.

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



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