



Description

The Truss Apparatus is designed for experimental investigation of force distribution in plane truss structures. The system consists of a rigid experimental frame with interchangeable truss members and precision load application and measurement facilities, enabling clear demonstration and analysis of axial forces in individual bars.

Construction & Features

- Equipped with **two supports** fitted with **node disks** for flexible truss configuration.
- Integrated **load application device** with a **force gauge**, mountable at different node disks.
- Dedicated **measuring points on each bar** for accurate force measurement.
- Complete experimental setup mounted within a robust frame for stable and repeatable experiments.

Technical Data

- **Number of Bars:** 19
 - 2 bars × 150 mm
 - 5 bars × 259 mm
 - 7 bars × 300 mm
 - 1 bar × 397 mm
 - 3 bars × 424 mm
 - 1 bar × 520 mm
- **Angle Between Bars:** 30°, 45°, 60°, and 90°
- **Maximum Bar Force:** 500 N
- **Maximum Truss Height:** 450 mm
- **Maximum Truss Length:** 900 mm

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



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Load Application System

- Load application range: **±500 N**
- Load graduation: **10 N**

Dimensions & Weight

- Overall Dimensions (L × W × H): **1170 × 480 × 178 mm** (storage system) Approx
- Total Weight: **Approx. 26 kg**

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