



DESCRIPTION:

- Apply a buckling force to a strut, measuring the load and the point at which the strut collapses or 'buckles'.
- This product includes specimen struts of different lengths for comparison of the buckling loads. It also includes different strut end fixings for comparisons of how they affect the buckling load and shape of the strut as it buckles.
- A Vernier Caliper (included) allows students to measure the cross-section of the struts.

EXPERIMENTATION :

- Euler's critical load.
- Slenderness ratio.
- Effective Length.
- The collapse load and strut fixings, including:

Pinned-pinned

Fixed-pinned

Fixed-fixed

TECHNICAL DETAILS :

Universal structure stand

- Material: Made of anodized Aluminum Extrusion (heavy duty)

Euler Buckling of Struts

- Two main parts: a load application assembly end and a load measurement assembly. Maximum Load 400 N.
- Five aluminium struts: Each of nominal 20 mm x 2 mm cross-section. Lengths 400 mm, 450 mm, 500 mm, 550 mm and 600 mm.
- Interchangeable end fixings.
- Hexagon tools.
- Vernier Caliper.
- Storage Tray.
- User Guide.

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



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