



THE LAB EQUIPMENT

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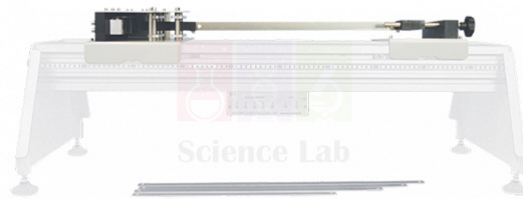
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**Product Name :**

Euler Buckling of Struts

**Product Code :**

SLE/EG/12



## Description :

- Students apply a buckling force to a strut, measuring the load and the point at which the strut collapses or 'buckles'.
- Students use textbook equations, including Euler's theory to predict the buckling loads, comparing them with measured results.
- This helps confirm the reliability of the textbook equations and the accuracy of the experiment results.
- This product includes specimen struts of different lengths for comparison of the buckling loads.
- A Vernier caliper (included) allows students to measure the cross-section of the struts.
- The load cell connects to the USB interface hub of the Structures platform for computer display and data acquisition.
- It also includes different strut end fixings for comparisons of how they affect the buckling load and shape of the strut as it buckles.

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