

**Product Name :**  
Behavior of Column and Struts Apparatus**Product Code :**  
STR0006**Description :**

Behavior of Column and Struts Apparatus

**Technical Specification :**

An experimental apparatus to allow students to investigate the deflection and stability of struts (Behavior of columns).

The experiment hardware fitted a Structures Aluminum Frame.

Behavior of Column and Struts Apparatus with Data Acquisition

The equipment includes strut storage space and five different sizes of aluminum strut.

Students compress aluminum columns (struts) using a screw mechanism.

The equipment uses chucks to hold the struts and allows different end fixing conditions.

An integral load cell connected to a Digital Force Display displays the load on the strut as it is compressed.

A magnetic deflection scale shows how much the strut buckles.

Students continue compressing the strut until reaching the critical buckling load.

They then repeat the experiment using different strut lengths or fixing conditions, analyzing their results.

The lecturer guide provides details of the equipment including sample experiment results.

The student guide describes how to use the equipment and gives experiment procedures.

Key features:

High quality structures Training module for students of mechanical, civil and structural engineering.

Allows safe and practical experiments into buckling of struts.

Realistic and verifiable experiments results.

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