

Product Name :
Spring Testing Apparatus

Product Code :
ASTRALAB-SUPPLYA21060



Description :

Spring Testing Apparatus

Technical Specification :

The apparatus is a compact metal frame with adjustable feet so the user can make the apparatus level. It shows students how to find the properties of a spring and proves some basic laws of physics (Hookes law, Newtons law and spring design rules). The Spring Testing Apparatus uses a fundamental variable mass and scale measurement to test springs. The back of the frame has a storage area for springs and masses.

The front of the frame has a metric scale each side of a large slot, where the test spring hangs.

It is also a useful tool for a workshop, to check the properties of a spring before it is used, or after it has been used.

Students choose a spring and note its dimensions. They then slowly load the spring with the masses (included) and note its extension against the metric scale.

Students use their results to find the properties of the spring and compare them with theory and the manufacturers details.

Spring rate and Hookes law.

Springs in series.

Springs in parallel.

To prove the basic rules of spring design.

A simple spring scale.



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