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Product Name :
Universal Buckling Unit

Product Code :
LBNY-0005-13100031



Description :

The unit is mounted on a structure of anodized aluminum profiles with painted steel plates, which has adjustable legs installed.

The unit basically consists of: Two porticoes:

A 50 cm. height portico, where the experimental strut will be subjected to load by means of a spring balance situated at the upper part and which will tend to elevate the lower beams, so the experimental strut will be subjected to compression.

A 1 m. height portico, where the test struts are placed. It is designed to accommodate struts of different height by using two pins. Therefore, at the upper and lower parts, there are special clamps to subject the strut to the desired ends conditions.

Regulation nut which, together with a bubble level, will allow to equilibrate the horizontal beams.

Bubble level to equilibrate the system.

Technical Specification :

Dial gauge, measurement range: 0-20 mm, precision: 0.01 mm, to check the strut flexion according to the experimental strut is subjected to load.

Accessory to create perturbing load over the test strut, which consists of support, pulley and set of masses.

Balance 0-50 kg to measure the strut compression load, with 200 g accuracy.

Weight of 1 kg.

Set of masses, composed of:

5 masses of 50 gr.

1 hook of 100 gr.

4 masses of 10 gr.

Set of test struts, composed of

15 struts of circular section, of different lengths and different conditions at the ends

15 struts of rectangular section, of different lengths and different conditions at the ends.



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