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Technical Teaching Equipment

Loading of Struts Unit

MUP

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The apparatus has been developed to enable students to carry out a series of tests to determine the crippling load for struts of varying slenderness ratios and end fixing conditions.

The apparatus has been designed to accommodate struts of suitable lengths within the range 400/800 mm. The struts are rectangular in section, thus ensuring that the deflection occurs in a predetermined plane.

Reversible hardened load blocks are provided so that the struts can be tested under the following conditions:

1. Both ends pinned.
2. Both ends fixed.
3. One end pinned, one end fixed.

The load is applied to the strut by means of a spring balance and a loading beam. The beam pivots on a nut which can be adjusted vertically so that the beam can be maintained in the horizontal position during loading, thus ensuring that a true axial load can be supplied throughout the test.

A light lateral load is applied to the strut to ensure the direction of deflection, the magnitude of which can then be measured by means of a dial indicator.

One set of struts for each end condition is supplied with the apparatus.

Dimensions 880 x 580 x 1240 mm approx.
Nett Weight 56 kg.

EXTRA
A set of load blocks, bushes and specimens are available to allow experiments to be conducted on round specimens.

*Specifications subject to change without previous notice, due to the convenience of improvements of the product.

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REPRESENTATIVE:

ISO 9001:2000 Certificate of Approval

European Union Certificate

Certificates ISO 14001: 2004 and ECO-Management and Audit Scheme (environmental management)

Worlddidac Quality Charter Certificate
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