

Product Name :
Frame For Load Testing, 400KN

Product Code :
TN251



Description :

Frame For Load Testing, 400KN

Technical Specification :

Frame For Load Testing, 400kn

The unit is perform the following experiments and investigations:

Learning Objectives / Experiments

To be supplied with Standard accessories for load testing

Bending tests

Hydraulic loading device, 2x200kn

Load tests

6 mechanical dial gauges

Compression tests

Different bearings for installation

Plane frame with strain gauge for member forces measuring

Multi-channel measuring amplifier

PC1 Computer-System with 21" TFT-Monitor Win 10 engl.

Specifications:

Investigation of components at 1:1 scale from steelwork and civil engineering

Frame is delivered in parts, transport through normal doorways possible.

Large operating area, designed as a double frame, also suitable for very long components

Mounted on 4 adjustable vibration-damping feet

Hydraulically operated load application device for generating compressive forces available as an accessory

With the supplied hydraulic load application device mounted on rollers with 2 load application devices
Load application devices can be positioned at any point on the frame
Experiments with different components such as beams, girders or frames possible
With the supplied plane truss with strain gauge for force measurement

Technical Data:

Frame

Steel profiles: U 400, St52

Frame opening wxh: 4100x1700mm

Clear span in the double frame: 635mm

Test loads

Centre position: max. 300kn

Off-centre: max. 2x 200kn

Dimensions and Weight

Size: (Length x Width x Height): 5000x1350x2820mm Frame for Load Testing

Weight: 2600kg

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