

SE 112

Mounting frame



Specification

- [1] frame for mounting of experiments in statics, strength of materials and dynamics
- [2] sturdy sectional steel double frame, welded
- [3] easy, exact mounting of all components by precision clamp fixings
- [4] stable on laboratory desktops or workbenches
- [5] frame supplied disassembled

Technical data

Mounting frame made of steel sections

- frame opening WxH: 1250x900mm
- section groove width: 40mm

LxWxH: 1400x400x1130mm (assembled)

LxWxH: 1400x400x200mm (without mountings)

Weight: approx. 32kg

Scope of delivery

- 1 mounting frame, disassembled
- 1 set of bolts with hexagon socket wrench
- 1 instruction manual

Description

■ mounting frame for setup of experiments in statics, strength of materials and dynamics

The mounting frame SE 112 provides a clearly laid-out, user-friendly means of setting up experiments in the fields of statics, strength of materials and dynamics.

SE 112 comprises four steel sections which are bolted together to form a frame. Two feet on the sides provide stability. The frame is quick and easy to assemble, with just a few actions needed.

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Required accessories

WP 300.09 Laboratory trolley

Optional accessories

Equilibrium conditions

SE 110.50 Cable under dead-weight

SE 110.53 Equilibrium in a single plane, statically determinate system

Bridges, beams and arches

SE 110.12 Lines of influence on the Gerber beam

SE 110.16 Parabolic arch

SE 110.17 Three-hinged arch

SE 110.18 Forces on a suspension bridge

Forces and deformations in a truss

SE 110.21 Forces in various single plane trusses

SE 110.22 Forces in an indeterminate truss

SE 110.44 Deformation of trusses

Elastic and permanent deformations

SE 110.14 Elastic line of a beam

SE 110.20 Deformation of frames

SE 110.29 Torsion of bars

SE 110.47 Methods to determine the elastic line

SE 110.48 Bending test, plastic deformation

Stability and buckling

SE 110.19 Investigation of simple stability problems

SE 110.57 Buckling of bars

Vibrations in a bending beam

SE 110.58 Free vibrations in a bending beam