

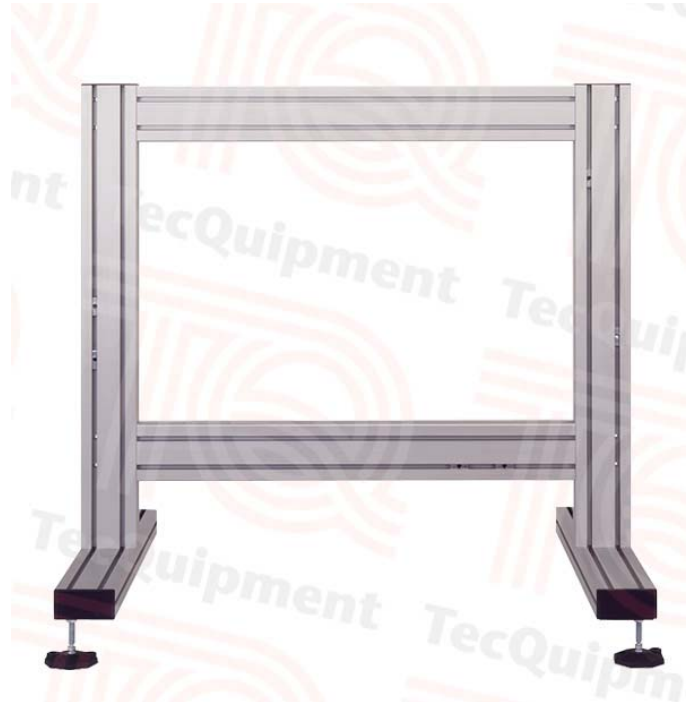


Structures

STR1

Structures Test Frame

A strong frame that holds the experiments of TecEquipment's Structures range



- Holds the interchangeable experiment modules and instruments of TecEquipment's Structures range
- Strong, bench-mounting frame
- Easy-to-use fixings and slots so students can quickly set up, remove or change experiments
- Also ideal for holding experiments during storage
- Supplied as a kit with instructions for use
- Includes textbook with full theory and explanations of different structures

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- An ISO 9001 certified company

STR1

Structures Test Frame

Description

A lightweight yet strong bench-mounting frame that holds interchangeable experiment modules and instrumentation from the TecQuipment Structures range.

The frame has specially designed slots and self-positioning nuts that hold the Structures experiments and instruments. This fixing system is quick and easy to use. It allows students to change, position and secure each experiment. Adjustable feet support the frame to allow students to level the apparatus before use.

Supplied in kit form with instructions for use and a textbook.

Standard Features

- Supplied with a textbook
- Five-year warranty
- Made in accordance with the latest European Union directives



STR1 shown fitted with STR10, STR2000 and STR1a

Available Experiment Modules

- Bending Moments In A Beam (STR2)
- Shear Force In A Beam (STR3)
- Deflection Of Beams & Cantilevers (STR4)
- Bending Stress In A Beam (STR5)
- Torsion Of Circular Sections (STR6)
- Unsymmetrical Bending And Shear Centre (STR7)
- Pin Jointed Frameworks (STR8)
- Three-Pinned Arch (STR9)
- Two-Pinned Arch (STR10)
- Fixed Arch (STR11)
- Buckling Of Struts (STR12)
- Continuous And Indeterminate Beam (STR13)
- Curved Bars And Davits (STR14)
- Plastic Bending Of Beams (STR15)
- Plastic Bending Of Portals (STR16)
- Redundant Truss (STR17)
- Frame Deflections And Reactions (STR18)
- Simple Suspension Bridge (STR19)
- Bending Moments In A Portal Frame (STR20)

Operating Conditions

Operating environment:
Laboratory

Storage temperature range:
-25°C to +55°C (when packed for transport)

Operating temperature range:
+5°C to +40°C

Operating relative humidity range:
80% at temperatures < 31°C decreasing linearly to 50% at 40°C

Specification

Nett dimensions and weight:
880 x 850 x 610 mm, 12 kg

Packed dimensions and weight:
Approximately 0.46 m³, 20 kg

Bench space needed: Approx 1 m³

Maximum load: 5 kN

Fixings: 14 off

Accessories: Allen key

Textbook: Structural and Stress Analysis, by T H G Megson

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