STRUCTURES TEST FRAME

A bench-mounted frame that holds the experiments of the Structures range.

KEY FEATURES

- Holds the interchangeable experiment modules and instruments of TecQuipment’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
**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.

**STANDARD FEATURES**

- Five-year warranty
- Made in accordance with the latest European Union directives
- ISO9001 certified manufacturer

**AVAILABLE EXPERIMENT MODULES**

- Bending Moments in a Beam (STR2)
- Shear Force in a Beam (STR3)
- Deflection of Beams and 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)
- Euler 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)
STRUCTURES TEST FRAME

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

SPECIFICATIONS

TecQuipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

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