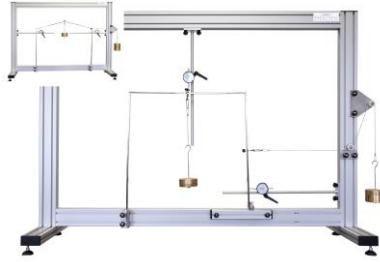
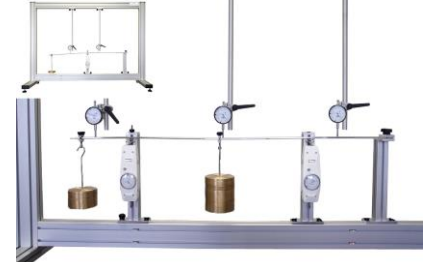




ST 01.1 - MOUNTING FRAME FOR FLAT STRUCTURES (pag. K - 1)



ST 01.2 - FRAME STUDY (pag. K - 1)



ST 03.1 - CONTINUOUS BEAMS (pag. K - 1)



ST.Z.01 - WEIGHT SYSTEM FOR ST SERIES (pag. K - 2)



ST.Z.02 - DISPLACEMENT MEASUREMENT SYSTEM FOR ST SERIES (pag. K - 2)

**ST 01.1 - MOUNTING FRAME FOR FLAT STRUCTURES**

Frame for assembling different frames and structures.

It allows the positioning of dial gauges for measurement, different fastenings and pulleys, in addition to the different structural assemblies, for the study of loads and deformations in different flat structures.

The aluminium construction allows a low weight with a convenient strength.

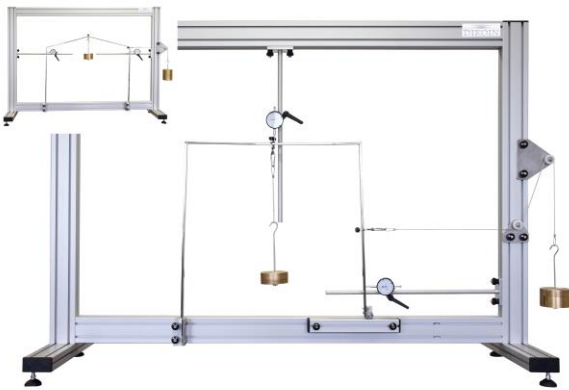
**ST 01.2 - FRAME STUDY**

The objective of this equipment consists on the study of the deformation in the plane, of frame type structures under the action of solicitations. The equipment is supplied with a gantry in U and another with a "gable" roof.

The equipment has a characteristic system of embedding and sliding articulated support.

The recorded deformation is extracted from the system by 2 comparator clocks that are placed at any point on the frame. These deformations are the response of the system to the different loads applied.

The loading of the structure is achieved through 2 load systems with weights, whose maximum load is 12 kg, having weights of different masses, from 0.5 to 2.5 kg.

**ST 03.1 - CONTINUOUS BEAMS**

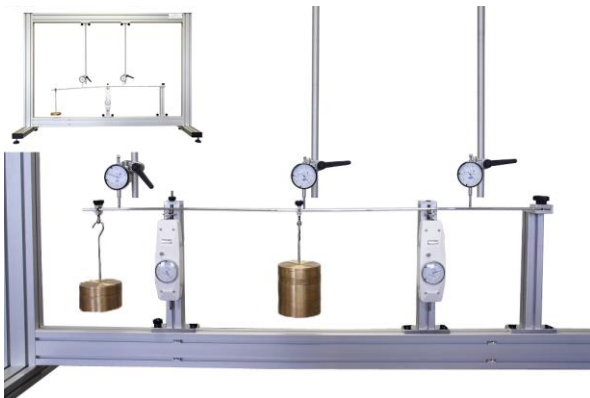
The objective of this equipment consists of the study of the deformation in the plane, of continuous beams under the action of loads.

The equipment includes a clamping end and articulated sliding supports with dynamometer.

The deformation is measured by means of 3 dial gauges that can be placed in any point of the beam. These deformations are the answer of the system to the different applied loads.

The placing of the structure under load is obtained through 2 load systems with weights, whose maximum load is 12 kg, having weights of different masses, from 0.5 to 2.5 kg.

The equipment is provided with 2 beams of different sections, 20x5mm and 20x3mm.



**ST.Z.01 - WEIGHT SYSTEM FOR ST SERIES**

Weights system, with maximum load of 12 kg. Includes weights with different masses from 0,5 to 2,5 kg.

This item is used with the ST range, with the frame for flat structures.

The system has 2 flanges for 20 mm profile, 2 hooks and 8 weights. The hook doesn't need to be unassembled to change the weight.

**TECHNICAL DATA**

- Material: Bronze
- Minimum precision of the weight:  $\pm 2\%$
- Units and mass:
  - 3x 2.5 kg
  - 3x 1 kg
  - 2x 0.5 kg
- 2x Stainless steel hooks for weight placement.

**ST.Z.02 - DISPLACEMENT MEASUREMENT SYSTEM FOR ST SERIES**

This is a displacement measurement system designed to be used with the ST series and to be mounted on a flat-structure frame.

This accessory is composed by a pole (see top half of the image with 2 samples) that gets easily inserted into the frame of the ST 01.1 (not included), equipped with a gauge whose hand shows the range of displacement that has occurred from the starting point.

The gauge can be easily moved up and down all along the pole and it is adjusted with a hand-operated lever.

**TECHNICAL DATA**

- Displacement measurement system with a gauge.
- Reading scale range: 0 - 25 mm
- Scale intervals: 0,01mm

