

STRUCTURAL MODELS

Equipment for experiments on STRUCTURES consists of two main parts, accessories for specific experiment and ST300 Universal Structural Frame or ST305 Universal Base Frame for attachment of the accessories. Many accessories common for various experiment.

ST 321 CONTINUOUS BEAM

DESCRIPTION :

The equipment is used for measurement of the reactions of a two span continuous beam with and without settlement of a support. It is to be used with ST300 Universal Structural Frame (separately supplied).

The equipment consists of a two span continuous beam supported by two vertical force supports and a built-in/knife edge support. The settlement of each load measuring support is measured by a dial gauge and can be simulated by height compensation mechanism. Three movable load hangers with a set of weights for downward as well as upward loading are provided. Each beam deflection is measured by a dial indicator.



TECHNICAL DATA :

- Test beam
 - Steel : 2 ea.
 - Aluminum : 1 ea.
 - Brass : 1 ea.
- ST 113 Built-in/Knife Edge Support : 1 ea.
- ST 124 Vertical Force Supports : 2 ea.
- Pulley assembly for upward loading : 1 ea.
- Load hangers : 3 ea.
- Weights : 1 lot.
- ST131 Dial Indicators : 2 ea.

OPTIONAL ACCESSORY :

- ST125 Vertical Force Load Cells with ST150 Force Indicator instead of ST124 Vertical Force Supports.