

## **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 311 BENDING MOMENT**

#### **DESCRIPTION :**

This equipment is used for measurement of bending moment on a section of a beam from which comparison with theoretical values can be made. It is to be used with ST305 Universal Base Frame or ST300 Universal Structural Frame (separately supplied)

The beam has two parts with a ball bearing hinge at the joint. An underhung spring balance holds the hinge in compression, hence resists bending moment. The beam rests on two roller supports. Load hangers and weights slide along the beam.



#### **TECHNICAL DATA :**

- Beam length : 700 mm.
- ST111 Roller Supports : 2 ea.
- Spring balance : 1 ea.
- Load hangers : 3 ea.
- Weights : 1 lot.

#### **OPTIONAL ACCESSORY :**

- Load cell with ST150 Force Indicator instead of spring balance.