



**UNIVERSE**

## **SHEAR FORCE AND BENDING MOMENT**

### **APPARATUS AZA1336**

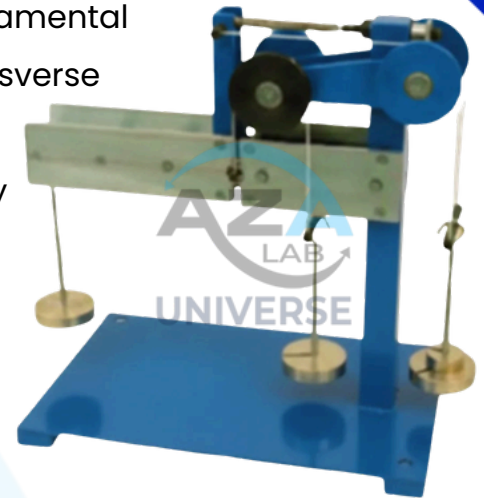
The AZA1336 Shear Force and Bending Moment Apparatus is a precision educational and laboratory instrument designed to demonstrate the fundamental principles of structural mechanics in beams subjected to transverse loading.

Developed for engineering education and practical laboratory experimentation, the apparatus provides a clear and visual understanding of the relationship between:

- Shear force
- Bending moment
- Applied loads
- Beam equilibrium conditions

The system enables students, instructors, and engineers to experimentally verify the principles governing beam behavior under loading conditions and understand how forces and moments vary along the beam span.

Ideal for classroom demonstrations, engineering laboratories, and technical training institutes, the AZA1336 provides accurate, repeatable, and easy-to-understand experimental analysis of structural mechanics concepts





## UNIVERSE TECHNICAL SPECIFICATIONS

Parameter	Description
Model	AZA1336
Beam Type	Hinged beam for section analysis
Load Application	Variable load positioning
Force Balancing System	Calibrated masses with pulley arrangement
Pulley Type	Smooth-running ball-bearing pulleys
Experimental Function	Shear force and bending moment analysis
Construction	Heavy-duty laboratory-grade structure
Operation	Manual educational demonstration system

### Standard Supply Includes

- Hinged beam assembly
- Ball-bearing pulley system
- Complete set of calibrated masses
- Load application accessories
- Experimental setup components
- User instruction manual