

Product Name :
Plastic Bending of Beam**Product Code :**
ALABS-A167-112**Description :****Plastic Bending of Beam**

- Demonstration of the theory of plastic bending of a beam section, and increase in bending moment due to redundancy
- The apparatus provides two end supports which allow for rigid clamping or simple support of the mild steel beams
- One support allows for horizontal travel
- Three (3) test beams 20 x 5 mm supplied
- A screw jack with integral load cell, capable of applying loads 2kN is provided
- Deflection measurement available
- Applied force and deflection viewed via Interface (not supplied)
- Must be used with universal Frame and Stand (sold separately)
- Must be used with Interface (sold separately)

- Comprehensive instruction manual provided

Experimental Capabilities:

- Measurement of collapse load for a black mild steel beam
- Study of extra load carried as beam is made redundant by end fixing



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