

Product Name :
Plastic Bending of Portals**Product Code :**
ALABS-A167-107**Description :****Plastic Bending of Portals**

- Studies the collapse mechanism of a portal frame when subjected to simultaneous horizontal and vertical loading; calculating and verifying position of greatest bending moment where plastic hinge is likely to form
- The apparatus consists of the test portals, two ground foundations, loading pulley, loading cords, proportioning beam, screw jack loading mechanism and deflection measuring instruments
- The ground foundations provide for pinned or fixed supports.
- Two different shaped portal frames supplied, both typically made from 13x3mm black mild steel and with a span of 300mm
- Screw jack mechanism with integral load cell with output to Interface (sold separately)
- Comprehensive technical manual for student and lecturer and text book provided
- Rectangular portal frames (5 off)

- Symmetrical gable (Pitched) portal frame (5 off)
- Must be used with universal Frame and Stand (sold separately)
- Must be used with Interface (sold separately)
- Comprehensive instruction manual provided



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