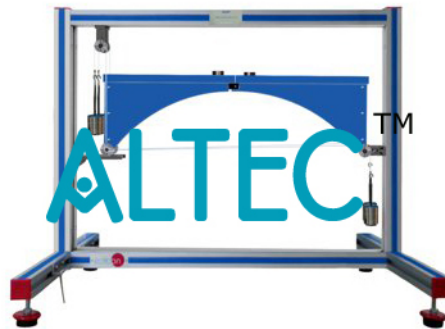


Product Name :
Three Hinged Arch**Product Code :**
ALABS-A211-021**Description :****Three Hinged Arch**

- Three hinged arch in symmetrical and interchangeable unsymmetrical arrangements
- Symmetrical arch; Rise = 200mm, span 1000mm
- Unsymmetrical arch: Rise = 250mm, span =750mm
- Load cell measures horizontal thrust
- Eight calibrated load bars supplied; 12.5N/m each
- Rolling loads of 10N and 25N with joining link
- Multiple load positions achievable
- Must be used with universal Frame and Stand (sold separately)
- Must be used with Interface (sold separately)
- Comprehensive instruction manual provided

Experimental Capabilities:

- Relationship between horizontal thrust at arch springing for varying applied loads
- Simulation of vehicle passing over arch using tandem rolling load
- Value of horizontal thrust at arch springing
- Comparison of theory with experimental results
- Influence line for horizontal thrust
- Use of influence line for a tandem rolling load
- Understand characteristics of symmetrical and unsymmetrical three hinged arch



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