



Email : sales@laboratoryinstrumentindia.com

Product Name :
Investigation Of Simple Stability Problems

Product Code :
LBNY-0005-10100098



Description :

Investigation Of The Buckling Load Under Different Conditions (Elastic Joint, Elastic Fixed End)
Two-Part Buckling Bar With Central Joint
Storage System To House The Components
Experimental setup in frame
Various Degrees Of Clamping Via Leaf Spring With Variable Length On Bottom Support
Thrust Pad Guided Friction-Free Inside Spherical Shell
Low-Friction Joints With Roller Bearings
Loading Infinitely Variable With Lever And Set Of Weights
Determination Of Loading Via Scale On Load Application Lever
Device To Generate Shear Forces.

Technical Specification :

Technical Data:

Support: pinned-pinned (articulated-articulated)
Two-part buckling bar with central joint
Length: 2x250mm
Wxh: 20x20mm

Elastic joint
Elastic clamp fixing with steel leaf spring
Length: 500mm
Cross-section: 10x2mm

2 tension springs, rigidity: 2N/mm
lever arm: 50mm
2nd moment of area: 6,66mm⁴
Compressive force range: 25...120N
Modulus of elasticity: 205000N/mm
Shear force: 0...20N
Load application lever, lever ratio: 1:2 - 1:5.



Laboratory Instrument India