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**Product Name :**  
Simple Stability Problems Study Unit

**Product Code :**  
LBNY-0005-13100021



#### **Description :**

Two-part buckling bar with a central elastic joint:  
The support of the two parts is pinned-pinned (articulated-articulated).  
Length: 550 mm (length of each part: 275 mm).  
Cross-section: 20 x 20 mm.  
Device to apply compressive load:  
Compressive force range: 25-125N.  
Load application lever with scale, lever ratio: 1:2-1:5.

#### **Technical Specification :**

Device to apply shear force:  
Deflection roller to hold a weight holder and a set of weights.  
Shear force: 0-20N.  
Elastic clamp fixing to represent a fixed end support:  
It is formed by a steel leaf spring.  
Elasticity modulus: 210000 N/mm .  
Cross-section: 10 x 2 mm.  
Length: 550 mm.  
Elastic joint:  
Spring rigidity: 2.2 N/mm  
It is formed by two tension springs and a lever arm.



**Laboratory Instrument India**