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**Product Name :**  
Deformation Of Bars Under Bending And Torsion

**Product Code :**  
LBNY-0005-10100085



#### **Description :**

##### **Features:**

Elastic torsion of round bars under torque Influence of material, cross-section and clamping length on deformation

Elastic deformation of statically determinate or indeterminate beams under bending load.

##### **Technical Specification :**

2 adjustable blocks with clamping chuck for torsion tests and supports for bending tests

Elastic deformation of bars under bending or torsion

Supports in the bending test may be clamped or free

Set of weights to generate the bending or torque

Bending tests with statically determinate and indeterminate systems

Torsion tests with a statically determinate system

Dial gauge with bracket

Storage system to house the components

##### **Technical Data:**

Tape measure, graduations: 0,01m

17 bars for bending tests

Material: aluminium, steel, brass, copper

Length with  $d=10\text{mm}$ : 50...640mm (aluminium)

Dxl: 10x50mm/10x340mm (aluminium, steel, copper, brass)

Diameter with  $l=50/340\text{mm}$ :  $d=5\text{...}12\text{mm}$  (steel)

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Dial gauge: 0...10mm, graduations: 0,01mm  
Material: aluminium, steel, brass, copper  
Height with lxw 510x20mm: h=3...10mm  
Width with lxh 510x5mm: w=10...30mm  
Length with wxh 20x4mm: l=210...510mm  
Lxwxh: 20x4x510mm (aluminium, steel, brass,copper)  
Lxwxh: 10x10x510mm (aluminium)22 torsion bars.



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