



Email : sales@engineeringlabequipments.com

**Product Name :**  
Screw Connections Testing

**Product Code :**  
ENGLABINGCAG600010



**Description :**

Screw Connections Testing

**Technical Specification :**

"The main element of the unit is a slotted, elastically deformable steel block. The resulting deformation is recorded by a mechanical dial gauge, and is directly related to the bolt tension force generated.

By tightening the bolt joint, the slotted area is deformed, thereby generating an axial tension force in the bolt.

**Features:**

Breakaway torque of a bolt joint

Correlation between tightening torque and tension force on standardised bolts.

**Learning Objectives And Experiments:**

Measurement Of The Breakaway Torque, Including For Different Fitting Situations Of The Bolt Joint

Axial tension force in a bolt joint dependent on the tightening torque or the elastic deformation of a slotted block

Measurement of thread friction and overall friction."

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# Engineering Lab Equipment India

