



**Product Name:** 

**Torsion of Circular Sections** 

**Product Code:** 

**GENP0015** 



## **Description:**

**Torsion of Circular Sections** 

## **Technical Specification:**

- The other chuck connects to a load cell to measure the resulting torque.
- Students apply angular deflection to the specimen using a chuck which includes a precision potentiometer to measure the angular deflection.
- This helps confirm the reliability of the textbook equations and the accuracy of the experiment results.
- It also allows the student to vary the eff ective length of the rods to see how this aff ects the magnitude of deflection for a given torque.
- Students use textbook beam equations to predict the deflection and torque relationship and compare the calculated results with the measured results.
- The potentiometer and load cell connect to the USB interface hub of the Structures platform for computer display and data acquisition.
- This product includes a set of rods of different metals and a tube for comparison of the elastic properties, dimensions and polar second moment of area ('J' value).



## **Equipments Exporters**

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