

**Product Name :**  
Rotational Inertia

**Product Code :**  
TN662



**Description :**

Rotational Inertia

**Technical Specification :**

Rotational Inertia

The unit is perform the following experiments and investigations:

Learning Objectives / Experiments:

Investigation of the inertia of rigid bodies in rotational motion

Determine mass moments of inertia of different, regularly shaped bodies

Investigation of the mass moment of inertia as a function of the radius

Specification:

Investigation of the inertia of various bodies in rotational motion

Hollow cylinder, solid cylinder or rotating bar with

As a rotating body

Generate a uniformly accelerated rotational motion via weight, pulley and cable drum

Rotating bar: adjustable position of the mass to realise different radii

Measure the time and the acceleration distance

Position and fix the parts

Table Clamps

Technical Data:

Rotating bar

Length: 550mm

Masses: 2x 0,1kg, 2x 0,2kg, 2x 0,4kg  
Solid cylinder  
Diameter: 120mm  
Mass: 0,9kg  
Hollow cylinder  
Outer diameter: 120mm  
Inner diameter: 110mm  
Mass: 0,9kg  
Weight for the drive  
1N  
Dimensions and Weight  
Length x Width x Height: 730x180x480mm (set-up)  
Weight: 13kg

## Naugralabequipments

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