

Rotation Apparatus

Order code: **5401.1006785**



Information about product price on demand

Parameters

Quantitative unit

ks

Rotating apparatus for determining angular acceleration as a function of the torque and for determining the moment of inertia depending on mass and distance from an axis.

An axle on agate bearings supports a cross bar to which weights can be attached. The force from a driving weight is conveyed to the axle via a string wrapped around the axle and passed over a pulley and a second multiple pulley on the axle itself.

- **Length of crossbar:** 600 mm
- **Radii of multiple pulley:** 4,5 mm / 9,0 mm
- **Driving weights:** 10 g / 20 g / 30 g / 40 g / 50g
- **Inertial mass of disc(s):** 100 g / 200 g / 300 g
- **Dimensions of base plate:** 200 × 140 mm
- **Total weight:** 1,3 kg approx.

Contents:

- 1 Basic apparatus
- 2 100-g discs
- 2 200-g discs
- 1 Holder for slotted weights 10 g
- 2 Slotted weights 10 g
- 1 Slotted weight 20 g
- 1 Pulley
- 1 Roll of string

Additionally required:

- 5401.U40160230 Digital Stroboscope (115 V, 50 / 60 Hz)