



Features

Tesca Acceleration of Geared Systems Apparatus is supported in a metallic frame and can be wall mounted.

Tesca Acceleration of Geared Systems Apparatus basically consists of three shafts, each mounted on ball races and connected by gearing.

A flywheel is attached to one of the shafts.

The discs having varying mass moments of inertia can be attached to the other two shafts. It permits to change the gear ratios. Gears of suitable sizes are provided.

A torque drum is mounted in each shaft and by means of masses or weights, attached to one of the drums with a cord, allow a way to apply a torque to the system.

The acceleration of the system can be calculated.

Manuals: This unit is supplied with the following manuals: Required Services, Assembly and Installation, Starting-up, Safety, Maintenance and Practices Manuals.

In order to carry out some of the practices with Tesca Acceleration of Geared Systems Apparatus, 1 set of weights "B type" is required.

Experiment Possibilities

Note: Specifications are subject to change.

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1. To determine the moment of inertia of a single shaft and of this shaft connected to other two shafts.
2. To study the relationship between gears when applying different torques to the system.
3. To determine the acceleration of the system.

Accessories

Set of weights:

- 6 weights of 200 gr.
- 6 weights of 100 gr.
- 2 weights of 50 gr.
- 2 weights of 20 gr.
- 2 weights of 10 gr.
- 1 support hook of 100 gr