

Pivot Friction Apparatus (EDC-MM-117)

EXPERIMENTAL DATA:

- To investigate the relationship between frictional torque and axial thrust
- To determine the influence of the bearing cone angle
- To study the effect of varying cone angles on coefficient of friction



DESCRIPTION:

This wall mounted experimental unit consists of a circular plate mounted on ball bearing with aluminium wall bracket. A vertical shaft extends from the rotating plate. The lower end of the shaft contains a mount for pivot ends and ensure that it is locked with the vertical shaft rotate only with the top plate.

Cone seating is fixed with a base plate and is made stationary. The seating's are made from different materials and with different internal cone angles.

TECHNICAL DATA:

- Pivot ends at angles of 60°, 90°, 120°, 180° (flat)
- Rotating plate mass: Approximately 1kg
- Rotating plate effective diameter: Ø200mm



RELATED LAWS:

- Automotive
- Friction
- Machines
- Wear
- Torque
- Slip

SCOPE OF DELIVERY:

- 1 x EDC-MM-117
- 4 x Pivot Sets
- 2 x Load Hanger
- 2 x Weight Sets
- 2 x Cords
- 1 x Instructional Manual

WEIGHT AND DIMENSIONS:

- L x W x H (mm) : 300 x 300 x 300
- Weight (approx) : 12kgs