

Product Name :
Gear Train Apparatus**Product Code :**
ALABS-A169-003**Description :****Gear Train Apparatus**

This apparatus is used to demonstrate belt drives, wheel and disk drives, and gear trains. Basic terminology and relationships, e.g. the transmission ratio, direction of rotation reversal, reference circle and modulus, the function of intermediate gears, and so on can be clearly demonstrated. A solid frame made of anodised aluminium section forms the base for the unit. The bearings for the pulleys and gears are attached to the T-slots in the profile using clamping levers. These are easy to release and can be slid horizontally making a wide range of different set-ups possible. All experiments are carried out using manual power. The size of the unit ensures that the experiment is clearly visible even for larger groups of students.

Specification:

1. Demonstration experiment on the how belt drives, wheel and disc drives and gear trains work
2. Plastic belt pulleys and friction discs
3. O-ring as drive belt

4. Steel gears

5. Base frame made of aluminium section, anodised

6. l x w x h 1100x320x600mm

Technical Data:

Steel gears

- No. of teeth: 15, 16, 20

- modulus: 20mm

Plastic belt pulleys

- diameter: D=300mm, D=320mm, D=400mm

- drive belt: O-ring 5x650mm



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