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Product Name :
Gear Trains Apparatus

Product Code :
LBNY-0005-10100090



Description :

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. 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. The size of the unit ensures that the experiment is clearly visible even for larger groups of students. 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.

Technical Specification :

Plastic belt pulleys and friction discs
O-ring as drive belt
Steel gears
Demonstration experiment on the how belt drives, wheel and disc drives and gear trains work
Base frame made of aluminium section, anodised
Lxwxh 1100x320x600mm

Technical data:

Plastic belt pulleys
Diameter: $d=300\text{mm}$, $d=320\text{mm}$, $d=400\text{mm}$
Drive belt: o-ring 5x650mm
Steel gears
No. Of teeth: 15, 16, 20

Modulus: 20mm

Dimensions and weight of Gear Trains Apparatus

L x w x h : 1100 x 320 x 600 mm

Weight : approx. 27 kg.



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