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Product Name :
Spur Gear Lifting Apparatus

Product Code :
LBNY-0005-10100089



Description :

The model is intended for wall mounting. The well-structured instructional material sets out the fundamentals and provides a step-by-step guide through the experiments. With straightforward experiments, the torque conversion in gear wheel pairs and the efficiency of a gear unit are investigated. The mechanism demonstrates the relationship between the ratio of the number of teeth on spur gears and the transmission ratio of gears.

Technical Specification :

Demonstration and student experimental unit on set-up and principle of toothed gearing mechanisms

Ball bearing-mounted gear wheels and pulleys

2 sets of weights

Anodised aluminium base plate

4 galvanised steel gear wheels

2 anodised aluminium cable pulleys

Technical data:

Set of weights

2x 1n suspended

2x 0,25n

1x 0,5n

2x 1n

2x 2n

2x 2,5n

4 gear wheels

2x d=42mm, 28 teeth
2x d=126mm, 84 teeth
Modulus: m=2mm
Driving pulley radius: 35mm
Base plate
Lxwxh: 350x150x10mm
Dimensions and weight:
L x w x h: 350x70x150mm
Weight: approx. 5kg.



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