

Product Name :
Spur Gear Lifting Apparatus**Product Code :**
ALABS-A167-141ALTEC™**Description :****Spur Gear Lifting Apparatus**

The mechanism demonstrates the relationship between the ratio of the number of teeth on spur gears and the transmission ratio of gears. With straightforward experiments, the torque conversion in gear wheel pairs and the efficiency of a gear unit are investigated. 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.

Specification:

1. Demonstration and student experimental unit on set-up and principle of toothed gearing mechanisms
2. 4 galvanised steel gear wheels
3. 2 anodised aluminium cable pulleys
4. 2 sets of weights
5. Ball bearing-mounted gear wheels and pulleys
6. Anodised aluminium base plate

Technical Data:*4 gear wheels*

- 2x D=126mm, 84 teeth – 2x D=42mm, 28 teeth – modulus: m=2mm, Driving pulley radius: 35mm

Set of weights

- 2x 1N suspended – 2x 0,25N – 1x 0,5N – 2x 1N – 2x 2N – 2x 2,5N

Base plate

- LxWxH: 350x150x10mm



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