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**Product Name :**  
Gear Assembly Unit Simple Drives

**Product Code :**  
LBNY-0005-10100064



#### **Description :**

The programme of exercises enables familiarisation with six different drive implementation and analysis methods: understanding the brief and the drawing, assembly, setting, adjusting, testing, and making calculations. This laboratory system is used to introduce the basics of gearing and the correct method of assembling drive elements. A robust tubular steel frame with a square profile and bearing elements provide the accuracy for the setting of precise gearing. All the system components are kept ready to hand and well protected in a housing system. Offers three assembly kits in this product series, each focussing on different aspects. Each kit is used entirely independently of the other kits within the series. The flexibility of the set-up and the modularity of the components simplifies experimentation and implementation of the students' own ideas.

#### **Technical Specification :**

Usage of standard industrial parts  
Solid universal frame manufactured from square steel tube  
Simple chain drive  
Simple spur gear drive  
Simple belt drive  
Rack drive  
Bevel gear drive  
Worm gear drive  
Hand operation with crank  
Demonstration and experimentation kit for assembling single drives

#### **Technical Data:**

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Bevel gear pair

-  $z=30$ ,  $m=3\text{mm}$ ,  $i=1$ , angle between axes  $90^\circ$

Spur gears:  $z=30$ ,  $60$ ,  $m=2\text{mm}$

Toothed belt pulleys:  $z=30$ ,  $60$

Chain sprockets:  $z=20$ ,  $30$ , DIN 8192 ISO 10B-1

Dimensions and Weight of Gear Assembly Unit Simple Drives

l x w x h:  $1000 \times 500 \times 500\text{mm}$  (assembled frame)

Weight: approx.  $69\text{kg}$ .



**Laboratory Instrument India**