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**Product Name :**  
Gear Assembly Unit Step and Shift Gears

**Product Code :**  
LBNY-0005-10100063



**Description :**

The flexibility of the set-up and the modularity of the components simplifies experimentation and implementation of the students' own ideas. 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. The multi-step and shift gears in are based on those of a conventional lathe. The step gear unit is very similar to the primary drive on a pillar drill.

**Technical Specification :**

Demonstration and experimental kit for laying out and assembling 6 different step and shift gear units  
Usage of standard industrial parts  
Solid universal frame manufactured from square steel tube  
Quick change gear  
Tumbler gear  
Change gear train  
Cone pulley drive  
Sliding gear drive  
Cam box (drop worm)  
Hand operation with crank.

**Technical Data:**

Worm drive  
worm:  $z=6$   
worm gear wheel:  $z=62$ ,  $m=3,15\text{mm}$

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Spur gears

$z=24, 30, 36, 40, 45, 50, 60, 76, 80, 95$

$m=2\text{mm}$

Dimensions and Weight of Gear Assembly Unit Step and Shift Gears

l x w x h: 1000x500x500mm (assembled frame)

Weight: approx. 80kg.



**Laboratory Instrument India**