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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: $z=62$, $m=3,15\text{mm}$

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