

Product Name :
Assembly Control Gear

Product Code :
ENGLABINGCAG670001



Description :

Assembly Control Gear

Technical Specification :

Control gears are also known as variable or change gears. They are characterised by the fact that the speed is transferred differently via various pairs of gear wheels. The most famous example is the transmission in a car, which has one pair of gear wheels for each gear.

The unit provides different configurations of control gears, which serve as an introduction to gear engineering. The unit focuses in particular on the practical assembly of gear components.

The exercise system can be used to configure six different gears in various combinations.

The setup of the components is flexible so that you can configure your own ideas and try out different gears.

Individual activities such as understanding the task and reading the drawing, assembling the components, adjusting, calibrating and checking the gear, and performing calculations are performed one after the other. The unit is driven by a hand crank.

A solid frame made of square steel tubes and various bearings ensures sufficient accuracy to be able to set precise tooth interlocking.

All components of the exercise system are ready at hand and securely housed in a storage system.

Features:

Flexible and robust assembly kit for continuing mechanical gear engineering

Uses industrial components to represent the real world accurately

Quick and simple assembly

Spur gears:

Number of teeth: $z=24, 30, 36, 40, 45, 50, 60, 76, 80, 95$

Module: $m=2\text{mm}$



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