

Product Name :
Astra Scientific Cut Model of Planetary Gear System

Product Code :
AutomobileLab0006



Description :

Astra Scientific Cut Model of Planetary Gear System

Technical Specification :

The cut-away model shows very clearly and instructively the operating system of a planetary gear and the available gearshift possibilities.

In order to be able to use the cutaway models in engineering teaching, each model comes with standards-compliant and practical drawings and a technical description. Problems of engineering drawing, fasteners and machine parts or production and testing technology can be studied in a clear and practical manner using the cutaway models.

The planetary gear is a special type of gear drive, in which the multiple planet gears revolve around a centrally arranged sun gear. The planet gears are mounted on a planet carrier and engage positively in an internally toothed ring gear. Torque and power are distributed among several planet gears. Sun gear, planet carrier and ring gear may either be driving, driven or fixed. Planetary gears are used in automotive construction and shipbuilding, as well as for stationary use in turbines and general mechanical engineering.

FEATURES:

- Topical as in every automatic motorcar transmission there is a planetary gear.
- Principle of operation and design of a planetary gear
- Demonstration of complex machine elements and demonstration of their principle of operation
- Hand-powered cutaway model for demonstrating the function of a planetary gear
- Industrial original component, fully functional cutaway model

SPECIFICATIONS:

- The cutaway models represent original components in which the active parts are clearly visible to the user while fully maintaining their mechanical functionality.
- Each of the cutaway models is securely mounted on a base plate,
- Which also has handles to allow them to be carried. They are powered by hand.



Astra Scientific

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