

# Manual Steering Cutaway

## Overview

The manual steering cutaway is an educational unit designed to enable the trainee to observe the internal construction of the manual steering and its working mechanism, and how the rotational input from the steering wheel is translated into linear motion to direct the vehicles wheels.



## Specifications

- The educational unit demonstrates a sectioned manual steering cutaway mounted on a robust frame.
- This unit is a real sectioned rack-and-pinion type manual steering with all its components including the steering shaft, rack and pinion gearbox, and tie rods of the wheels.
- The unit is functional and includes a steering wheel attached to the steering shaft to introduce the rotational input.
- The unit also allows observing steering ratio, which is the ratio between the number of rotations of the steering wheels and the turning angle of the wheels.

## Experiments

- Observation of the internal construction of the manual steering.
- Observing the operation of the manual steering.

## Scope of Delivery

- Manual steering trainer (BST101)
- Hard copy user manual

## Options

- Digital content (BI01)