SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

Phone: +91 7015865225 **Email:** info@scienticoindia.com **Web:** scienticoindia.com **Address:** #71, Industrial Area, Ambala Cantt, Haryana, India

Cut Section Model of Rack and Pinion Steering | Torquemaster-25

Category: Automobile Engineering Lab Equipment · **Order Code:** TORQUEMASTER-25 · **Country of Origin:** India

Product Overview

Cut Section Model of Rack and Pinion Steering Torquemaster-25 is carefully sectioned for training purposes, with different colours differentiating parts and cross-sections. Built by a specialist Cut Section Model of Rack and Pinion Steering Manufacturer, this model features a rack type steering box, hydraulic pump, oil tank with filter, and connecting pipes, mounted on a tubular frame with electroplated hardware and gears. It is manually operated through a crank handle with equipment layout on base, and weighs approximately 25kg.

View this product online: https://scienticoindia.com/product/cut-section-model-of-rack-and-pinion-steering-torquemaster-25/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Cut Section Model of Rack and Pinion Steering Torquemaster-25 — Technical Specifications

Parameter	Value
Operation	Manually operated (through a crank handle)
Equipment Layout	On base
Finish	Fine finish
Operation Type	Simple operations
Accuracy	Functional accuracy
Steering Box	Rack type steering box
Hydraulic Pump	Included
Oil Tank	With relevant filter
Connecting Pipes	Included
Length	1000 mm (approx.)
Width	600 mm (approx.)
Height	550 mm (approx.)
Weight	25kg (approx.)

Technical Data

Steering System

Parameter	Value
Steering Box Type	Rack type
Hydraulic Pump	Included
Oil Tank	With relevant filter
Connecting Pipes	Included

Operation

Parameter	Value
Method	Manual, through crank handle
Layout	On base

Dimensions and Weight

Parameter	Value
Length	1000 mm (approx.)
Width	600 mm (approx.)
Height	550 mm (approx.)
Weight	25kg (approx.)

Key Features

Key Features

- **Operation:** Manually operated through a crank handle
- **Layout:** Equipment mounted on base
- **Finish:** Fine finish with functional accuracy
- **Ease of Use:** Simple operations
- **Steering Mechanism:** Rack type steering box
- **Hydraulic System:** Hydraulic pump included
- **Fluid System:** Oil tank with relevant filter
- **Piping:** Connecting pipes included
- **Mounting:** Mounted onto a tubular frame
- **Finish Detail:** Suitable color imported painting with Miracle coating for extra gloss and shine
- **Identification System:** Color code for different components for easy identification of systems and mechanisms
- **Plating:** All hardware and gears suitably electroplated
- **Manufacturing Standard:** Built by a trusted Cut Section Model of Rack and Pinion Steering Manufacturer for practical training

Construction and Design

The Cut Section Model of Rack and Pinion Steering Torquemaster-25 is mounted onto a tubular frame. Suitable color imported painting is carried out along with Miracle coating for extra gloss and shine. Painting is done so different colors identify different components, such as the sectioned area, according to the color code for easy identification of different systems and mechanisms. All hardware and gears are suitably electroplated. Many parts have been chromium-plated and galvanized for a longer life. The model consists of a rack type steering box, a hydraulic pump, an oil tank with relevant filter, and connecting pipes. The unit is operated manually through a crank handle and laid out on a base. As a dedicated Cut Section Model of Rack and Pinion Steering Manufacturer, SCIENTICO builds this construction to combine fine finish, simple operation and functional accuracy for effective classroom demonstration.

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.

- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: What is the Cut Section Model of Rack and Pinion Steering Torquemaster-25 used for?
A: It is used for training purposes to demonstrate the internal parts and functioning of a rack and pinion steering system, including the rack type steering box, hydraulic pump and connecting pipes.

Q: What components are included in this cut section model?
A: A rack type steering box, a hydraulic pump, an oil tank with relevant filter, and connecting pipes.

Q: How is the model operated?
A: It is operated manually through a crank handle, with equipment layout on base.

Q: How are different systems identified on the model?
A: Different colors are used for different components according to a color code, for easy identification of different systems and mechanisms.

Q: What are the dimensions and weight of the model?
A: L x W x H (approx.): 1000 x 600 x 550 mm, weight (approx.): 25kg.

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