SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Cut Model of Rear Axle with Locking Differential | Torquemaster-06

Category: Automobile Engineering Lab Equipment · **Order Code:** TORQUEMASTER-06 · **Country of Origin:** India

Product Overview

Cut Model of Rear Axle with Locking Differential Torquemaster-06 is carefully sectioned for training purposes, with different colours differentiating parts and cross-sections. Built by a specialist Cut Model of Rear Axle with Locking Differential Manufacturer, this model features a bevel gear (pinion and crown), a satellite and planetary differential with locking differential, axle shafts, a reducer and planetary on the hub, jaws/drum brakes, and a double air brake element. It is manually operated through a crank handle, mounted on a tubular frame, and weighs approximately 205kg.

View this product online: https://scienticoindia.com/product/cut-model-of-rear-axle-with-locking-differential-torquemaster-06/



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

Technical Specifications

Cut Model of Rear Axle with Locking Differential Torquemaster-06 — 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
Bevel Gear	Pinion, crown
Differential	Satellite and planetary, with locking differential
Axle Shafts	Included
Reducer and Planetary	On the hub
Brakes	With jaws/drum
Double Air Brake Element	Included
Length	950 mm (approx.)
Width	500 mm (approx.)
Height	450 mm (approx.)

Parameter	Value
Weight	205kg (approx.)

Technical Data

Gear and Differential

Parameter	Value
Bevel Gear	Pinion, crown
Differential Type	Satellite and planetary, with locking differential

Drive Components

Parameter	Value
Axle Shafts	Included
Reducer and Planetary	On the hub

Braking System

Parameter	Value
Brakes	Jaws/drum
Double Air Brake Element	Included

Operation

Parameter	Value
Method	Manual, through crank handle
Layout	On base

Dimensions and Weight

Parameter	Value
Length	950 mm (approx.)
Width	500 mm (approx.)
Height	450 mm (approx.)
Weight	205kg (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
- **Bevel Gear System:** Pinion and crown
- **Differential Type:** Satellite and planetary, with locking differential
- **Axle Shafts:** Included
- **Reducer and Planetary:** Mounted on the hub
- **Braking System:** Jaws/drum brakes
- **Additional Braking:** Double air brake element
- **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 Model of Rear Axle with Locking Differential Manufacturer for practical training

Construction and Design

The Cut Model of Rear Axle with Locking Differential Torquemaster-06 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 main components include a bevel gear (pinion and crown), a differential (satellite and planetary) with locking differential, axle shafts, a reducer and planetary on the hub, brakes with jaws/drum, and a double air brake element. The unit is operated manually through a crank handle and laid out on a base. As a dedicated Cut Model of Rear Axle with Locking Differential 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 Model of Rear Axle with Locking Differential Torquemaster-06 used for?
A: It is used for training purposes to demonstrate the internal parts and functioning of a rear axle with locking differential, including the bevel gear, differential, axle shafts and braking system.

Q: What are the main components of this cut model?
A: Bevel gear (pinion and crown), differential (satellite and planetary) with locking differential, axle shafts, reducer and planetary on the hub, brakes with jaws/drum, and a double air brake element.

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.): 950 x 500 x 450mm, weight (approx.): 205kg.

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