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Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Car Steering Trainer | Torquemaster-31

Category: Automobile Engineering Lab Equipment · **Order Code:** TORQUEMASTER-31 · **Country of Origin:** India

Product Overview

Car Steering Trainer Torquemaster-31 is a real component trainer providing a working light vehicle steering and suspension system for classroom demonstration. Built by a specialist Car Steering Trainer manufacturer, it comprises front wheel assemblies, MacPherson strut and coil spring assemblies, road wheels, and power steering rack, mounted on a moveable steel frame. Students can practice rack and pinion steering gear service, fluid diagnostics, pump servicing, and wishbone, hub carrier, and damper work. The unit runs on a 1.5kW motor with AC220V/50Hz power supply and weighs approximately 130kg.

View this product online: https://scienticoindia.com/product/car-steering-trainer-torquemaster-31/



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

Technical Specifications

Car Steering Trainer Torquemaster-31 — Technical Specifications

Parameter	Value
Front Suspension	Included
Wheel	Included
Steering Motor	Included
Pressure Gauge	Included
Steering Wheel	Included
Power Steering Pump	Included
Mobile Stand	Included
Motor Power	1.5kW
Power Supply	AC220V/50Hz
Length	2000 mm (approx.)
Width	1100 mm (approx.)
Height	1300 mm (approx.)
Weight	130kg (approx.)

Technical Data

Steering and Suspension System

Parameter	Value
Front Suspension	Included
Wheel	Included
Power Steering Pump	Included

Controls and Measurement

Parameter	Value
Steering Motor	Included
Pressure Gauge	Included
Steering Wheel	Included

Power Supply

Parameter	Value
Motor Power	1.5kW
Power Supply	AC220V/50Hz

Frame

Parameter	Value
Type	Mobile stand

Dimensions and Weight

Parameter	Value
Length	2000 mm (approx.)
Width	1100 mm (approx.)
Height	1300 mm (approx.)
Weight	130kg (approx.)

Key Features

Key Features

- **Frame:** Moveable steel frame for clear component identification
- **Components Included:** Front wheel assemblies, MacPherson strut and coil spring assemblies, road wheels, power steering rack
- **Training Scope:** Disassemble, inspect, and reassemble rack and pinion steering gear
- **Inspection Tasks:** Inspect and replace manual or power rack and pinion steering gear inner track rod ends and gaiters
- **Fluid Diagnostics:** Inspect power steering fluid levels and condition, diagnose leakage
- **Pump Service:** Remove, inspect, and replace power steering pump, mounts, seals, pump belt, and pump pulley
- **Track Rod Service:** Inspect, replace, and adjust track rod ends, track rod sleeves, and clamps
- **Wishbone Service:** Remove, inspect, and install upper and lower wishbones, bushes, shafts, and rebound bumpers
- **Hub Carrier Service:** Remove, inspect, and install hub carrier assemblies
- **Damper Service:** Inspect, remove, and replace dampers
- **Motor Power:** 1.5kW
- **Power Supply:** AC220V/50Hz
- **Mobility:** Mounted on mobile stand
- **Manufacturing Standard:** Designed by a trusted Car Steering Trainer manufacturer for practical automotive education

Construction and Design

The Car Steering Trainer Torquemaster-31 includes all individual components of the steering and suspension system presented on a moveable steel frame so each component can be clearly identified. The system comprises front wheel assemblies, MacPherson strut and coil spring assemblies, road wheels, and a power steering rack. It also includes front suspension, a wheel, a steering motor, a pressure gauge, a steering wheel, and a power steering pump. The motor power is 1.5kW, and the power supply is AC220V/50Hz. The unit is mounted on a mobile stand. This construction allows the Car Steering Trainer to support disassembly, inspection, and reassembly of rack and pinion steering gear, inspection and replacement of track rod ends and gaiters, fluid leakage diagnosis, and pump, wishbone, hub carrier, and damper servicing.

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 Car Steering Trainer Torquemaster-31 used for?
A: It provides a working light vehicle steering and suspension system for group or whole-class demonstration, covering steering gear disassembly, fluid diagnostics, and component servicing.

Q: What components are included in the system?
A: Front wheel assemblies, MacPherson strut and coil spring assemblies, road wheels, and power steering rack.

Q: What service and inspection tasks can be practiced on this trainer?
A: Rack and pinion steering gear disassembly and reassembly, track rod end and gaiter inspection/replacement, power steering pump servicing, wishbone and hub carrier removal/installation, and damper inspection/replacement.

Q: What are the motor power and power supply specifications?
A: Motor power is 1.5kW, with a power supply of AC220V/50Hz.

Q: What are the dimensions and weight of the trainer?
A: L x W x H (approx.): 2000 x 1100 x 1300 mm, weight (approx.): 130kg.

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