

TATA MOTORS

Axle & Trailer Components

Reliable support, everytime.



TATA MOTORS LIMITED

Regd. Off: Bombay House, 24 Homi Mody Street, Mumbai-400 001, India
Teen Hath Naka, Gyan Sadhana College Service Road, Off. LBS Marg, Thane-400 604, India
Website: www.tgpindia.com/axleandtrailercomponents

FOR WARRANTY & SERVICE RELATED ASSISTANCE CALL TOLL-FREE NUMBER: 1800-209-7979

The only TATA Motors' axle

14mm beam thickness for
new vehicle loading norms

India's widest axle network



TATA MOTORS

Connecting Aspirations

An integral part of the USD 100 billion TATA group, **TATA Motors** is among the world's leading manufacturers of automobiles. Its products include passenger cars, trucks, vans, coaches, buses, sports cars, construction equipment and military vehicles. **TATA Motors** is taking the lead in shaping the Indian commercial vehicle landscape, 'Connecting Aspirations' by offering innovative mobility solutions.

The focus on the objective of 'Connecting Aspirations' and the pipeline of tech-enabled products keeps **TATA Motors** at the forefront of the market. Six key mobility drivers will take the brand to the future. They include – modular architecture, complexity reduction in manufacturing, connected and autonomous vehicles, clean drivelines, shared mobility and low total cost of ownership.

TATA Motors' vision is to be passionate in anticipating and providing the best vehicles and experiences that excite global customers.

TATA MOTORS

Axle & Trailer Components

The rise in the demand for axles and trailer components has prompted TATA Motors to launch a separate branch that deals exclusively in the axle and trailer components. Here's how our axles and trailer components are different:

1. The only TATA Motors' axle.

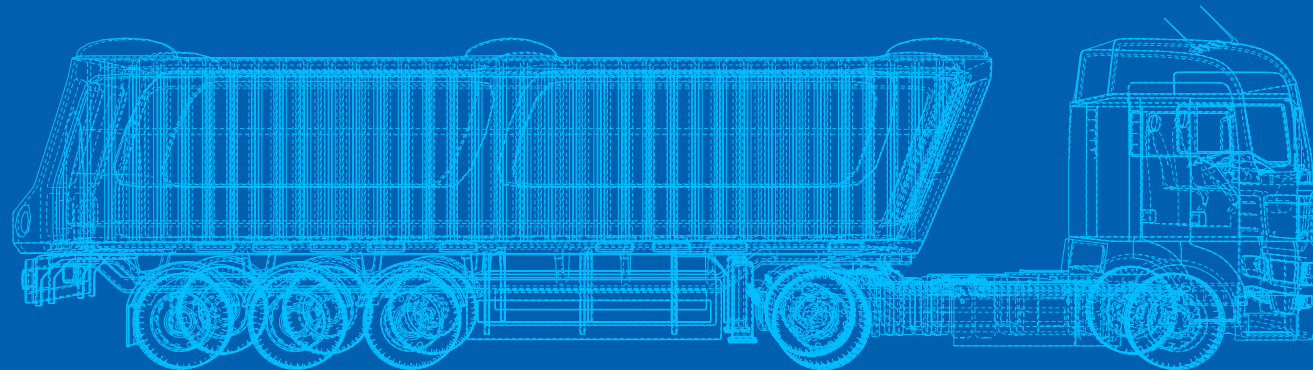
Tested and manufactured at state-of-art facilities, TATA Motors has now become a one-stop-shop for customers to choose the best axles and trailer components easily and quickly.

2. 14 mm beam thickness axle for new vehicle loading norms.

In compliance with the latest vehicle loading norms, TATA Motors' 14 mm beam thickness axles help strengthen the foundation of vehicles. They are extremely strong and provide vital support to heavy commercial vehicles.

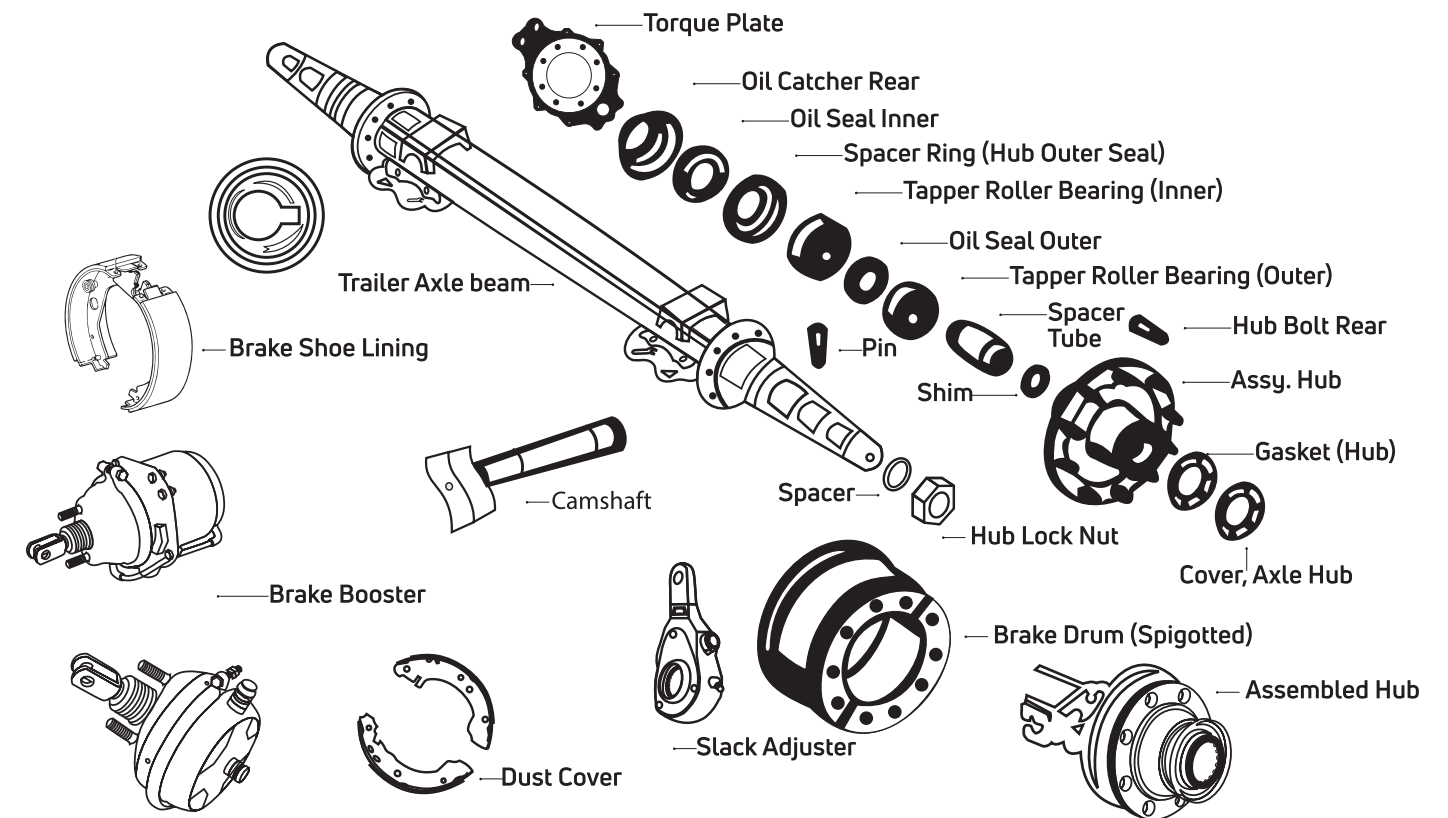
3. India's widest axle network.

Tata Motors network has reached the most interior parts of the country to give our users proper service support and to ensure that our axles are easily available.



Scope of Supply of Axles

TATA MOTORS Trailer Axle includes every possible part in its scope of supply.



Key Components of TATA MOTORS Trailer Axles

TATA Motors Trailer Axles are designed at the state-of-the-art Engineering Research Center of TATA Motors at Jamshedpur.

Heavy duty Axle Beam for longer life: Heavy duty, heat treated alloy steel beams to maximise load in 1817 mm and 1950 mm track width.

Available Beam Sizes:

1817 mm track width axles with 14 mm thickness (135x150mm)
1950 mm track width axles with 14 mm thickness (135x150mm)
1850 mm track width axles with 14 mm thickness (144x155mm)
1950 mm track width axles with 14 mm thickness (144x155mm)



Sturdy hubs for smooth running:

Hubs manufactured in state-of-the-art production facility in TATA Motors plants with ISO mounting and Hub Bolt of dis M22.

Lubrication:

Synthetic Grease (303-TS 25205) in Hub Bearing.



World Class Brakes for higher safety:

Heavy duty and quick release full air brakes (S-cam) of 410 mm dia. with non-asbestos brake linings (AF235), having longer life & highest level of safety for the trailer and the driver.



TATA Genuine Bearings for better tyre life:

Premium quality OE bearings provided in the following sizes:

Inner - OD*ID*Width (mm) - 168*95*41

Outer - OD*ID*Width (mm) - 150*85*38



Value Added Products for Customer Delight (optional)

1. Wheel Rims

7.5 inch * 20 inch 10 hole alloy (149 BHN) Wheel Rims with proper material composition and extra hardness in heat affected zones.

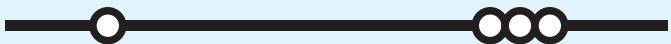
2. OE Quality Tyre

OE Quality Tyre of size 10.00*20 (16 ply) provided, with heavier load carrying capacity and better mileage.



Wide Range Of Products

Best Application



Chassis Carrier



Tanker



Flat Bed



Box Trailer



Tip Trailer



Part No.	Beam Size	Track Length (mm)	Beam Thickness (mm)	Brake Type	Value Added Part
770039000116	135 x 150	1817	14	410 mm dia. S Cam Full Air Brakes	ABS Ready Axle
770039000184	135 x 150	1817	14	410 mm dia. S Cam Full Air Brakes	ABS Axle
770039000181	144 x 155	1850	14	410 mm dia. S Cam Full Air Brakes	ABS Ready Axle

Wide Range Of Products

Best Application



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Box Trailer

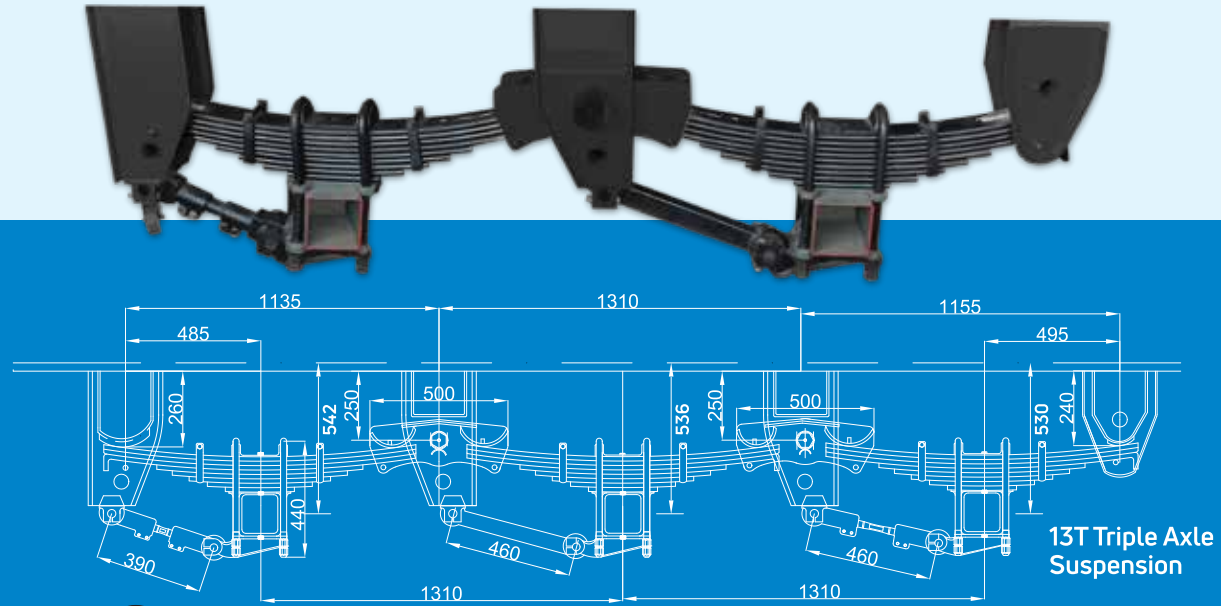


Tip Trailer



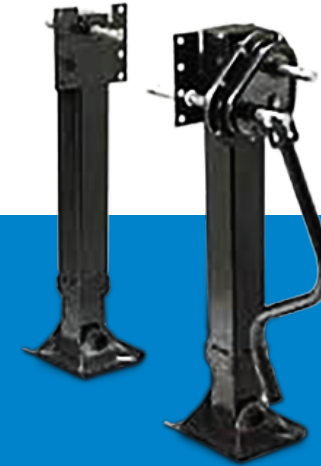
Part No.	Beam Size	Track Length (mm)	Beam Thickness (mm)	Brake Type	Value Added Part
770039000185	135 x 150	1950	14	410 mm dia. S Cam Full Air Brakes	ABS Ready Axle
770039000187	135 x 150	1950	14	410 mm dia. S Cam Full Air Brakes	ABS Axle
770039000204	144 x 155	1950	14	410 mm dia. S Cam Full Air Brakes	ABS Ready Axle

Suspension Kit



- 6 mm & 8 mm thickness hanger plates for 13T and 16T respectively
- Fabricated type hangers for easy maintenance
- 10 mm & 12 mm equalizer wall thickness for longer life in 13T & 16T respectively
- Equalizer pin diameter - 70 mm
- Bronze bush
- High yield strength material used for better durability
- Heavy duty 90x16 suspension leaf spring kits (10 leaves for 16T & 8 leaves for 13T)

Landing Gear



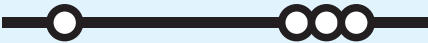
- Lifting capacity - 28,000 kgs/pair
- Static capacity - 80,000 kgs/pair
- Travel max. - 480 mm
- Hand grip force - 17 kgs

Kingpin



- 2 inch Kingpin
- 12 mm skid plate thickness
- Bolted type to take care of variable loading and wear and tear condition
- Best-in-class heat treatment process and forging process

Advantages



Weight Advantages

TATA Axles & Trailers are the lightest in its category. Hence the customer benefits from:

- Increased payload for the vehicle
- Higher fuel mileage

Better Tyre Life

- Proper alignment
- Even wearing of tyres

Safety on Road

- Most efficient braking
- Type 24 booster with fail-safe system
- Prevents toppling of vehicle on sudden braking at high speeds

Long-Lasting Grease

- Long-lasting synthetic grease (1.25 lakh kms.) is used in all trailer axles

Commonality of Parts

- Parts of TATA Axles & Components are common with that of TATA vehicles. These parts are readily available with the wide Dealer/Distributor network of TATA Motors across the country.

Environment-friendly Axles

- Non-asbestos brake lining used



Better Fuel Efficiency



More Saving



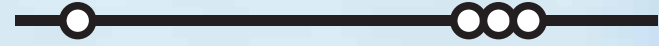
Better Tyre Life



Less Maintainance



Convenience of Service



- Largest and widespread service network
- 1200+ Dealers & TATA Authorised Service Station
- 24x7 Toll-free Number: 1800 209 7979



Our Service Network

