



## Axle Brake Discs Automobile Casting Iron brake disc China

Our Product Introduction

for more products please visit us on [dongfengtorsionaldamper.com](http://dongfengtorsionaldamper.com)

### Basic Information

- Place of Origin: China
- Brand Name: Dongfeng
- Certification: IATF 16949:2016
- Minimum Order Quantity: 100 piece
- Packaging Details: Wooden box packaging
- Delivery Time: Spot goods
- Payment Terms: T/T
- Supply Ability: Annual production of 50000 pieces



### Product Specification

- Manufacturing Process: Casting
- Friction Coefficient: Low
- Surface Treatment: Painting
- Weight: Heavy
- Heat Resistance: High
- Corrosion Resistance: Good
- Application: Automotive Industry
- Type: Axle
- Material: Cast Iron
- Surface Finish: Smooth
- Usage: Brake System
- Tensile Strength: Strong
- Compression Strength: High
- Durability: High
- Highlight: **Axle Brake Discs, Brake Discs Automobile,**

## Product Description

In the realm of automotive manufacturing, the brake and axle systems are vital components for vehicle safety and performance. Castings, as indispensable parts of these systems, directly impact the braking performance and stability of vehicles. This article will introduce the key features, manufacturing processes, and application scenarios of castings for automotive brake and axle systems.

### I. Product Features

**High Strength and Wear Resistance:** Castings for automotive brake and axle systems are crafted from high-quality alloy materials, boasting excellent strength and wear resistance. They can withstand prolonged high-intensity usage without easy damage, ensuring the reliability and durability of the braking system.

**Precision Machining:** These castings undergo precise machining and heat treatment processes, ensuring precise dimensions and smooth surfaces. This precise machining enhances the efficiency and stability of the entire brake and axle system.

**Excellent Heat Conduction:** Castings exhibit good heat conduction properties, swiftly dissipating heat generated during braking. This effectively prevents the system from overheating, thereby improving braking efficiency and safety.

**Strong Corrosion Resistance:** Surface treatments endow castings with outstanding corrosion resistance, allowing them to resist rust even in harsh environmental conditions. This extends the product's lifespan.

**Standardized Design:** Castings are designed with standardization in mind, ensuring compatibility with various brands and models of automotive brake systems. This facilitates easy replacement and maintenance, reducing repair costs and downtime.

### II. Manufacturing Processes

The manufacturing process of castings for automotive brake and axle systems includes mold design, melting and casting, heat treatment, surface treatment, and precision machining. Mold design is a crucial step directly impacting the molding quality and precision of castings. Melting and casting require strict control over melting temperature and alloy composition to ensure uniform chemical composition and internal structure. Heat treatment processes, such as quenching and tempering, improve the hardness and strength of castings. Surface treatments typically involve methods like sandblasting and chrome plating to enhance surface smoothness and corrosion resistance. Finally, precision machining is employed to process dimensions and refine surfaces, ensuring precise fitting with other components.

### III. Application Scenarios

Castings for automotive brake and axle systems find widespread applications in various vehicles, including light-duty and heavy-duty vehicles, buses, and trucks. They play crucial roles in urban transit, logistics, and construction machinery. Due to their outstanding performance and reliability, these castings are favored by automotive manufacturers and users alike.

In conclusion, castings for automotive brake and axle systems, with their high strength, wear resistance, and precision machining, are essential components ensuring vehicle safety and performance. With the continuous development and technological advancement in the automotive industry, these castings will undergo further optimization and upgrades, providing even more reliable assurance for vehicle safety and performance.



**Dongfeng (Shiyan) Torsional Damper Company Limited**



[gjh.8266@163.com](mailto:gjh.8266@163.com)



[dongfengtorsionaldamper.com](http://dongfengtorsionaldamper.com)

10th Floor, Building B, Donghe Center, Dongfeng 3rd Road, Wuhan Economic and Technological Development Zone, China