



Differential Assembly Automobile Transmission Gear Wheel case

Our Product Introduction

for more products please visit us on 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: One month Excluding logistics time
- Payment Terms: T/T
- Supply Ability: Annual production of 10000 pieces



Product Specification

- Bolt Pattern: 8 Bolts
- Application: Automobile Gearbox
- Shaft Diameter: 50 Mm
- Speed Ratio: 3.5:1
- Type: Automatic
- Size: Customizable
- Mounting Style: Flange
- Torque Capacity: 1000 Nm
- Material: Cast Iron
- Operating Temperature: -40°C To 120°C
- Manufacturer: Dongfeng Company
- Housing Diameter: 200 Mm
- Weight: 8 Kg
- Highlight: **Automobile gear wheel,
transmission gear wheel,**

Product Description

Differential assembly

Automotive brake axle system castings are indispensable components in automotive brake systems, playing a crucial role in supporting and connecting various components of the braking system. This article will introduce the key features, manufacturing process, and application scenarios of automotive brake axle system castings.

Automotive brake axle system castings have the following characteristics:

Firstly, high strength and wear resistance. These castings are manufactured using high-quality alloy materials, providing excellent strength and wear resistance. They can withstand prolonged high-intensity usage without damage, ensuring the reliability and durability of the braking system.

Secondly, precision machining. The castings undergo precision machining and heat treatment processes, ensuring precise dimensions, smooth surfaces, and precise fitting with other components, enhancing the efficiency and stability of the entire brake axle system.

Additionally, excellent heat conduction is one of its characteristics. The castings exhibit good heat conduction properties, quickly dissipating the heat generated during braking, effectively preventing the braking system from overheating and improving braking efficiency and safety.

Moreover, strong corrosion resistance. The surface of the castings undergoes special treatment, providing excellent corrosion resistance, allowing them to be used for long periods in harsh environmental conditions without rusting, extending the product's lifespan.

Finally, standardized design. The castings are designed with standardization in mind, ensuring strong compatibility with various brands and models of automotive brake systems, facilitating replacement and maintenance and reducing repair costs and downtime.

In terms of manufacturing process, the manufacturing process of automotive brake axle system castings includes mold design, melting casting, heat treatment, surface treatment, and precision machining. Mold design is a critical step that directly affects the molding quality and accuracy of the castings. The melting casting process requires strict control of melting temperature and alloy ratio to ensure uniform chemical composition and internal structure. Heat treatment mainly includes quenching, tempering, etc., which can improve the hardness and strength of the castings. Surface treatment typically involves methods such as sandblasting, chrome plating, etc., to improve surface smoothness and corrosion resistance. Finally, precision machining is carried out to process dimensions and surface finish, ensuring precise fitting with other components.

In terms of application scenarios, automotive brake axle system castings are widely used in various types of automotive brake systems, including light-duty vehicles, heavy-duty vehicles, buses, trucks, etc. In urban public transportation, logistics, construction machinery, and other fields, brake axle system castings play important roles. Due to their excellent performance and reliability, they are favored by automotive manufacturers and users.



Dongfeng (Shiyan) Torsional Damper Company Limited



gjh.8266@163.com



dongfengtorsionaldamper.com

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