



## Engine Cast Iron Bracket Sand Casting Engine Parts Customization

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Dongfeng
- Certification: IATF 16949:2016
- Model Number: 1308032-E9300
- Minimum Order Quantity: 100 piece
- Packaging Details: Wooden box packaging
- Delivery Time: Spot goods
- Payment Terms: T/T
- Supply Ability: Annual production of 500000 pieces



### Product Specification

- Country Of Origin: China
- Heat Resistance: Yes
- Included Components: Bracket, Bolts
- Usage: Automotive Engines
- Function: Vibration Damping
- Density: High
- Strength: Strong
- Machinability: Easy
- Durability: High
- Efficiency: Effective
- Certifications: IATF 16949:2016
- Vibration Resistance: Yes
- Mounting Location: Engine Block
- Compatibility: Fits Most Engines
- Highlight: **Engine parts Engine Cast Iron Bracket,**



### More Images



## Product Description

Engine cast iron bracket: solid support for stable engine operation

In the automobile industry, the engine is called the heart of the car, and its performance directly affects the vehicle's power output and driving stability. As one of the key components of engine installation, the engine cast iron bracket provides solid support and fixation for the engine, ensuring the stable operation of the engine under various working conditions. This article will delve into the role, characteristics, and importance of cast iron engine mounts in automotive engineering.

Function and characteristics

The cast iron engine bracket is located at the bottom of the engine and is the platform and fixing device for engine installation. It undertakes the important tasks of supporting the weight of the engine, reducing vibration and absorbing shock.

First, the cast iron engine mount needs to have high strength and rigidity. The engine is the power source of the car. It is heavy, and the vibration and impact force generated during operation are also relatively strong. Therefore, the bracket supporting the engine must be able to withstand these forces without deformation or damage. For this purpose, high-quality cast iron materials, such as ductile iron or gray cast iron, are usually used, which have good mechanical properties and wear resistance to ensure the stability and safety of the bracket.

Secondly, the cast iron engine bracket needs to consider the connection and installation of the engine and the body. The design of the bracket must fully take into account the installation position, interface size and fixation method of the engine to ensure tight matching and connection with the various components of the engine to avoid loosening or vibration during driving, thereby affecting the performance and safety of the vehicle.

In addition, the engine cast iron bracket also needs to have good shock absorption properties. The engine will produce large vibrations when it is working. In order to reduce the impact of these vibrations on the vehicle, the bracket is usually designed as a structure with a shock-absorbing function, which can effectively absorb and eliminate engine vibrations and ensure the smoothness and comfort of the vehicle.

Importance in Automotive Engineering

Cast iron engine mounts play a vital role in automotive engineering:

**Ensure stable engine operation:** As the support platform of the engine, the cast iron engine bracket provides stable support for the engine, preventing the engine from shaking and loosening during driving, and ensuring the stable operation of the engine.

**Improve vehicle driving stability:** By reducing the impact of engine vibration on the vehicle, the engine cast iron bracket can improve the vehicle's driving stability and enhance the vehicle's handling and driving safety.

**Ensure driving comfort:** High-quality cast iron engine brackets can effectively reduce engine vibration and noise, improve driving comfort, and create a quiet and comfortable driving environment for drivers.

Conclusion

In summary, engine cast iron brackets are an indispensable and important component in automotive engineering and have a significant impact on vehicle performance, safety and comfort. High-quality cast iron engine brackets can ensure the stable operation of the engine, improve the vehicle's driving stability and driving comfort, and provide drivers with a safer and more pleasant driving experience. With the continuous development of the automobile industry



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