



Pipeline Connectors Three-way Pipeline Engine Cooling System Cast Iron Parts

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Dongfeng
- Certification: IATF 16949:2016
- Model Number: 1303015 K90M0
- 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

- Corrosion Resistance: Yes
- Compressive Strength: High
- Heat Resistance: Yes
- Mounting Location: Engine Block
- Weight: 2.5 Kg
- Color: Black
- Weather Resistance: Yes
- Density: High
- Mounting Position: Engine Block
- Installation Method: Bolt-on
- Usage: Automotive Engines
- Compatibility: Fits Most Engines
- Highlight: **Three-way pipeline connectors,
Cast iron pipeline connectors,
Engine cooling system pipeline connectors**



Product Description

Engine three-way water pipe: a key element that leads to engine cooling

In the car's engine cooling system, the engine tee water pipe plays a vital role. As one of the main delivery channels for coolant, it connects the engine water pump, radiator and air heater to ensure that the engine maintains a suitable temperature when working. This article will deeply explore the structure, function, manufacturing process and future development trends of the engine tee water pipe.

Structure and function:

The engine tee water pipe is usually made of high-temperature-resistant, high-strength metal materials, and its main structure is Y-shaped or T-shaped. One end is connected to the engine water pump, and the other end is connected to the radiator and heater respectively, forming a closed cycle of the engine cooling system.

Key features include:

Coolant delivery: The engine three-way water pipe delivers coolant from the water pump to the engine to absorb and take away the heat generated by the engine and keep the engine operating temperature within the appropriate range.

Heat distribution: In the cooling system, the engine three-way water pipe plays a key role in heat distribution. It distributes coolant to the radiator and heater according to the engine's working status and temperature changes to control and adjust the engine temperature.

Heating function: In cold climate conditions, the engine's three-way water pipe is connected to the heater to transfer the heat in the coolant to the air inside the car, providing the heating function and improving driving comfort.

Manufacturing process:

Material selection: The engine tee water pipe is usually made of metal materials such as aluminum alloy or stainless steel to ensure its high temperature resistance, corrosion resistance and high strength.

Forming processing: The material undergoes cutting, forming and other processing processes to form a predetermined shape and size. Common processing methods include stamping, bending and welding.

Connection processing: The formed three-way water pipe needs to be connected to ensure its sealing and firm connection.

Common connection methods include welding, threaded connection and flange connection.

Surface treatment: Finally, the tee water pipe may require surface treatment, such as anti-corrosion paint or galvanizing, to improve its corrosion resistance and aesthetics.

Application areas and future prospects:

Engine tee water pipes are widely used in various types of automobiles, including cars, trucks, buses, etc. With the continuous development of automobile technology, future three-way water pipes will develop in a direction that is lighter, more energy-saving, and more intelligent.

It is expected that future engine tee water pipes will use more advanced materials and manufacturing processes to meet the ever-increasing requirements of automobiles for performance and environmental protection. At the same time, with the popularity of electric vehicles and new energy vehicles, the design and functions of engine tee water pipes will continue to innovate, contributing to the sustainable development of the automotive industry.



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