



Engine Elbow Tee Tee Fittings Three-way Water Pipe Tee Connector

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Dongfeng
- Certification: IATF 16949:2016
- Model Number: 11A06-09005
- 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

- Operating Temperature: -40°C To 120°C
- Density: High
- Efficiency: Effective
- Weight: 10 Lbs
- Installation: Bolt-On
- Machinability: Easy
- Warranty: 5 Year
- Tensile Strength: High
- Strength: Strong
- Certifications: IATF 16949:2016
- Material: Cast Iron
- Highlight: **Water pipe Engine elbow tee ,
Three-way water pipe Tee connector ,
Tee fittings Engine elbow tee**



Product Description

Introduction to engine three-way water pipe

In the automotive field, the engine is the heart of the vehicle, and its stable operation is directly related to the performance and life of the vehicle. In the engine system, a vital component is the engine three-way water pipe. As an important part of the engine cooling system, the three-way water pipe is not only related to the heat dissipation effect of the engine, but also plays an irreplaceable role in ensuring the efficient and safe operation of the engine.

1. Basic overview of engine tee water pipe

The engine three-way water pipe, as the name suggests, is a pipe connector with three interfaces. It is mainly used to connect different components in the engine cooling system to achieve the flow and circulation of coolant. Specifically, the main function of the engine three-way water pipe is to lead the coolant from the engine water outlet, and then flow through the branches to the water tank radiator, the heater water tank inside the cab, and the coolant temperature sensor to form a complete cooling system. Liquid circulation cooling system.

2. Structure and material of engine three-way water pipe

The engine tee water pipe has an exquisite structural design and is usually manufactured using a one-piece molding process to ensure its sealing and durability. In terms of material selection, since the engine will generate a high-temperature and high-pressure environment when working, the three-way water pipe needs to have excellent high-temperature and high-pressure resistance. At present, the common materials of engine tee water pipes on the market are mainly heat-resistant plastic and metal. The three-way water pipe made of temperature-resistant plastic has good flexibility and can reduce damage caused by vibration and impact to a certain extent; while the three-way water pipe made of metal has higher strength and corrosion resistance and is suitable for a more demanding working environment.

3. Working principle of engine three-way water pipe

The working principle of the engine three-way water pipe is relatively simple, but it is very critical. When the engine is running, the coolant circulates through the internal pipes of the engine and absorbs the heat generated by the engine. When the coolant flows through the engine water outlet, the three-way water pipe comes into play. It branches the coolant and flows all the way to the water tank radiator for heat dissipation, all the way to the heater water tank inside the cab to provide warm air service for passengers, and all the way to the coolant temperature sensor to monitor the coolant temperature. In this way, the engine's three-way water pipe ensures efficient circulation and heat dissipation of coolant in the system, thereby ensuring stable operation of the engine.

4. The importance of the three-way water pipe of the engine

The engine tee water pipe plays a vital role in the engine cooling system. First, it branches the coolant to flow to different components, achieving efficient use of coolant and maximizing the heat dissipation effect; second, the engine three-way water pipe also undertakes the important task of connecting different components, ensuring the stability of the entire cooling system and reliability; finally, the engine three-way water pipe can also prevent coolant leakage and pollution to a certain extent, ensuring the safe operation of the engine.

5. Summary and Outlook

The engine three-way water pipe is an important part of the engine cooling system, and its performance and quality directly affect the operating effect and life of the engine. With the continuous development and advancement of automobile technology, the requirements for the engine three-way water pipe are becoming higher and higher. In the future, with the continuous application and innovation of new materials and new processes, the engine tee water pipe will become more efficient, durable and intelligent. At the same time, we also look forward to more automobile manufacturers and scientific research institutions strengthening the research and development and investment in key components such as engine tee water pipes to promote the sustainable development and progress of the automobile industry.



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