



### Alloy Steel Silica Sol Investment Casting for Ceiling

Alloy steel casting is the steel casting process that is alloyed with numerous elements in total amounts between 1.0% and 50% by weight to improve its mechanical properties. Alloy steels are broken down into two groups: low-alloy steels and high-alloy steels.

## Product Description

Material:Stainless Steel

Technique:Silica Sol Investment Casting

Gross Weight:0.5KG

Application Area:Automobile

Product Name:Alloy Steel ceiling

Anti-Rust:with anti-rust water

Heat treatment:As Cast,Is

Fire,Tempering,Annealing,Quenching,Carburizing,Permeability,Thermal

Refining,Hardening are available.



Ningbo Zhiye Mechanical Components Co.,Ltd.

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Strictly speaking, every steel is an alloy, but not all steels are called “alloy steels”. The simplest steels are iron (Fe) alloyed with carbon (C) (about 0.1% to 1%, depending on type). However, the term “alloy steel” is the standard term referring to steels with other alloying elements added deliberately in addition to the carbon. Common alloyants include manganese (the most common one), nickel, chromium, molybdenum, vanadium, silicon, and boron. Less common alloyants include aluminum, cobalt, copper, cerium, niobium, titanium, tungsten, tin, zinc, lead, and zirconium.

What is Alloy Steel Casting?

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Alloy steel investment casting can produce a wide array of complex parts and precision components. By heating the material above its melting point and pouring it into the mold, it will solidify into the required 3D shape. Quality alloy steel casting follows seven steps: Pattern production, mold making and preparation, wax model/tree assembly, sand shell & dewaxing, material pouring, refining, and testing.



### Alloy Steel Casting Uses

Alloy steel castings are used for a number of commercial and industrial applications, often as a high strength alternative to carbon steel. While all steels are alloys, only some are called “alloy steels” due to the addition of other alloying elements. Depending on the intended mechanical properties and project demands, a number of alloys can be added to the carbon to increase the final casting products. Alloy steels are good for wear and corrosion resistance, and projects with high-strength requirements.



### Advantages of Alloy Steel Casting with Ningbo Zhiye

At Ningbo Zhiye, our full-service shop and production process offers a one-stop-shop approach. We offer full support services for short term delivery and rapid prototyping. We have our own dedicated facility (no out-sourcing) and access to the best equipment in the business. If you're looking for a comprehensive, one-stop mold making or casting service for aerospace engine components, turbine case and disk parts, high-temperature valve bodies, industrial gas turbines, or alloy steel castings for a strong end product, Ningbo Zhiye Mechanical Components Co.,Ltd. is ready to be your partner.

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SALES AND SERVICE NETWORK



## FAQ

### Q1、What material you can do?

We can make investment casting of stainless steel,carbon steel,steel.

### Q2、How can i get a free quotation?

Please send us your drawings by mail,the format is PDF/DWG/STP/STEP/IGS etc.If you don't have drawings,we can make the drawings according to your samples.

### Q3、How soon can I get a sample?

In 3-4weeks according to the sample structure.

### Q4、What is your MOQ?

MOQ depends on the product structure,we welcome trial order before mass production.

### Q5、How long is your delivery time?

It depends on the products dimensions,technical requirements and quantity,Cennerally it taks about 30-45 days.