



### Carbon Steel Silica Sol Casting for Mechanical Connected Parts

China Factory Carbon Steel Silica Sol Casting for Mechanical Connected Parts In Stock. Zhiye is a Carbon Steel Silica Sol Casting for Mechanical Connected Parts manufacturer and supplier in China. Carbon steel is a steel alloy containing carbon as the main alloying element. Cast alloy steels have been developed to operate under conditions requiring greater pressures, wear resistances, and higher strength with increased toughness and hardenability.



## Product Description

Zhiye as the professional manufacturer, we would like to provide you high quality Carbon Steel Silica Sol Casting for Mechanical Connected Parts. And we will offer you the best after-sale service and timely delivery.

## | PRODUCT DESCRIPTION

<i>Service</i>	OEM ODM
<i>Material</i>	Stainless steel, Carbon steel, Alloy steel
<i>Application</i>	Industry Machinery, Automotive, Electricity
<i>Process</i>	Mould, Casting, CNC Machining
<i>Machining Process</i>	CNC Lathe, CNC milling center
<i>Heat treatment</i>	Annealing, Quench and temper, Solid solution
<i>Surface treatment</i>	Zinc plating, Painting, Powder Coating, Electro polishing
<i>Quality Control</i>	PFMEA, PPAP, APQP, Control Plan, MSA
<i>Machining tolerance</i>	+/-0.005mm, ISO2768-mk
<i>Casting tolerance</i>	CT4-CT9
<i>Certificate</i>	ISO 9001
<i>Testing facilities</i>	Spectrometer, CMM, Callipers, micrometer, projector Load test machine, Hardness tester, roughmeter

### Carbon Steel Casting Alloys

Carbon steel is a steel alloy containing carbon as the main alloying element. Cast alloy steels have been developed to operate under conditions requiring greater pressures, wear resistances, and higher strength with increased toughness and hardenability. The mechanical properties of this alloy are determined by the percentage of carbon present; the higher the percentage, the harder and stronger the alloy becomes through heat treating. Because they can be processed to obtain a wide range of properties, carbon steels are found in a variety of applications.

Both mid carbon and low carbon steel are used for investment casting. Mid carbon steel provides good ductility, strength and wear resistance. It can also be hardened and tempered through heat treatment. Low carbon steel is easily shaped but cannot be strengthened by heat treating. As an alternative, carburizing can be used to increase the alloy's surface hardness.

Service	OEM ODM
Material	Grey Iron, Ductile Iron

Application	Industry Machinery, Automotive, Electricity
Process	Mould, Casting, CNC Machining
Machining Process	CNC Lathe, CNC milling center
Heat treatment	Annealing, Quench and temper, ADI
Surface treatment	Zinc plating, Painting, Powder Coating
Quality Control	PFMEA, PPAP, APQP, Control Plan, MSA
Testing facilities	Spectrometer, CMM, Callipers, micrometer, projector Load test machine, Hardness tester, roughmeter
Machining tolerance	+/-0.005mm, ISO2768-mk
Casting tolerance	CT4-CT9
Certificate	ISO 9001

### Precision Investment Casting Using Carbon Steel

Engineered Precision Casting Company, Inc. provides investment cast parts using over 75 different alloys, including carbon steel. We pour sizes up to 16 x 16 in. with weights up to 150 lbs. and specialize in tight tolerances and complex designs. Our air-melt alloys are controlled using a master heat system with dedicated lines for ferrous and non-ferrous alloys, and we offer several grades that meet MIL, AMS and ASTM specifications.

Considerations in selecting a grade for your carbon steel casting project include application as well as machinability, weldability, strength requirements, formability, and corrosion resistance. If you need assistance selecting the right alloy for your precision investment casting project, please contact us to discuss your requirements.



## Low Carbon Steel Casting

Low carbon steel contains lower levels of carbon content and is known for its ductility, weldability, and machinability. It is softer and has a lower tensile strength than other steels and is not suitable for heat treatment. Carbon steel casting is typically used for automotive and construction applications including fasteners, bolts, shafts, rods, pins, assemblies and more.

## MAIN PRODUCT







### Mid Carbon Steel Casting

Mid carbon steel contains medium levels of carbon content and is known for its wear resistance. It is harder than low carbon steel and able to be strengthened using heat treatment. Mid carbon steel investment casting alloys are commonly used for military and defense applications including engine components, couplings, crankshafts, aircraft tubing and firearms



### OUR SERVICE

			
<p><b>DESIGNING</b></p> <p>With an experienced R&amp;D team, as well as detail orientation, high efficiency and updating technique, we can provide professional design services based on customer's desire.</p>	<p><b>PROOFING</b></p> <p>Worried that the product falls short of your expectations? Our prototyping services save you from that! All our products support prototyping services.</p>	<p><b>PRODUCING</b></p> <p>Committed ourselves to turning out to the finest products. Our company are quality and safety oriented, and aims at, using the most reasonable source to provide the best products.</p>	<p><b>QUALITY CONTROLLING</b></p> <p>We strictly control every process to make sure all go ahead efficiently, which spares you the extra employment of quality control inspectors. Our products are 100% QC passed.</p>
			
<p><b>COMPETITIVE PRICES</b></p> <p>Commitment to long-term "win-win" business relationship we always provide competitive prices and payment methods without sacrificing product quality.</p>	<p><b>PACKING</b></p> <p>We well understand that packing is no less important than products themselves. Our package well suits our products and export process.</p>	<p><b>DELIVERING</b></p> <p>Our thoughtful arrangements in delivery will guarantee the products reach the determined destination without any delay.</p>	<p><b>AFTER-SALES SERVICES</b></p> <p>We take photos or send pre-production samples to clients for quality checking, and we provide continuous, service after products shipping. We are 100% quality guaranteed.</p>

## FAQ

### Q1: How long for delivery?

Our normal delivery will be 20-40 days for samples and 30-50 days for mass production.

### Q2: What is the MOQ?

We can accept low, medium or high volume production. The MOQ is not very important, 50 pcs or 100 pcs are all acceptable.

**Q3: Can you customize my products?**

We can customize kinds of machinery parts according to your idea or requirement.

**Q4: What about your quality control?**

We have scheduled process audits and routing /final inspections. All products should pass strict QC before shipping to our customers.