



## Cobalt Alloy UNS R30001

UNS R30001 is one type cobalt alloy which noted because of its resistance to corrosion, erosion and abrasion at temperature up to 600-800°C.

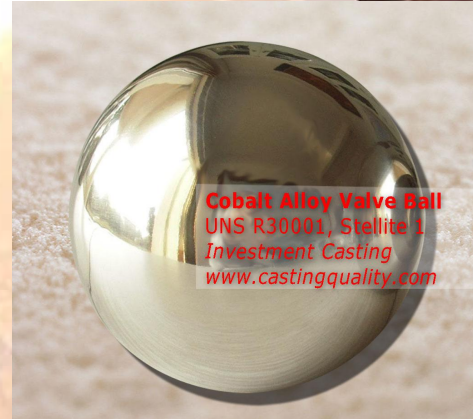
[www.castingquality.com](http://www.castingquality.com)

### Cobalt Alloy UNS R30001 Casting Methods in Casting Quality Industrial:

- n Investment Casting (Lost Wax Casting, Precision Casting)

**Cobalt Alloy UNS R30001 Equivalent Grade:** Stellite 1, UNS W73031

### Cobalt Alloy UNS R30001 Chemical Composition



Casting Grade	UNS R30001 Chemical Composition / Physical Properties % (max, except where range is given)									
	Carbon	Manganese	Silicon	Chrome	Nickel	molybdenum	Tung	Cobalt	Iron	Others
UNS R30001	2.20-2.80	-	2.00	29.0-32.0	3.00	1.00	11.0-14.0	Balance	3.00	

### Cobalt Alloy UNS R30001 Physical Property [www.castingquality.com](http://www.castingquality.com)

Stainless Steel Grade	Hardness	Tensile Strength	Elongation	Melting Range	Density
	HRC	KSI	%	°C	g/cm <sup>3</sup>
UNS R30001	51-60 (550-720HV)	80	<1	1190-1345	8.55

### Cobalt Alloy UNS R30001 Typical Casting Application

- I Valve seat inserts.
- I Bearings,
- I Cutter Edges
- I Wear pads

**Note:** *Stellite is a registered Trade Name of Deloro Stellite. Stellite 1 is also owned by Deloro Stellite company.*



As a professional casting manufacture, Qingdao Casting Quality Industrial pay much attention to the quality and technology, our products are much more casting and forging parts. We are mainly doing Sand Casting, Investment Casting (Lost Wax Casting or Precision Casting) and Die Casting. Today, its products are marketed globally through many countries.

## Our Services

Casting Quality focus on Metal Parts industry, we provide professional service in Metal Casting field.

Sand Casting  
Investment Casting  
Shell Casting  
CNC Machining  
CAD Design  
Tools/Mold Design

Many buyers from all over the world purchase products from China. But do you know the quality of products in China? Maybe you only pay the surface and price, but the inner quality is lost.

Housing Casting Design in Solidworks

## What makes Casting Quality the best?

### Innovation

Our engineers are more than just designers....they're pioneers. Our team use CAD/CAM to do the simulation of casting parts. Through the advanced technology, we can know the weight and structure. We also visited so many factories to know their difference and improve our products every year.

### Quality

We're obsessed with quality. Casting Quality constantly strives to exceed our customers' expectations in durability and performance. In fact, we will control the whole process from the original material to the finished parts, include the technology. Uniquely-designed Quality Control System focuses on ensuring four product goals: 1) Eligible Chemistry, 2) Hardness 3) Property and 4) Affordable Pricing. The result is the best casting products value in the industry.

### Service

We're in Qingdao, China, it has convenient transportation of road and sea. Courteous service is part of who we are, and we do it better than anyone in the industry. With Casting Quality you can expect friendly, knowledgeable, and prompt customer service.

### Fulfillment

Shipping orders complete and on-time is of paramount importance to our customers. We will count the delivery date and result before accept your order. Casting Quality consistently ranks as one of the best in speed of delivery and fill rates.

## ***SERVICE IN QINGDAO CASTING QUALITY INDUSTRIAL***

- I SAND CASTING**
- I INVESTMENT CASTING**
- I SHELL CASTING**
- I PERMANENT MOLD CASTING**
- I CNC MACHINING**
- I CAD/CAM DESIGN**