



## CD4MCuN Duplex Stainless Steel

CD4MCuN (UNS J93372) is casting duplex stainless steel (austenitic/ferritic) in ASTM A995 and ASTM A890. The duplex stainless steel alloys offer a combination of enhanced mechanical properties and corrosion resistance.

Casting Material Grades: ASTM A995 Grade 1B; ASTM A890 Grade 1B; Type 25Cr-5Ni-Mo-Cu-N; Casting UNS J93372; ACI CD4MCuN;

### Casting Methods in Casting Quality Industrial:

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

### Reference Casting Standards and others:

ASTM A890/890M Standard Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application

ASTM A995/995M Standard Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts



### CD4MCuN (UNS J93372) Chemical composition (nominal) %:

Stainless Steel Grade			CD4MCuN Chemical Composition / Physical Properties % (max, except where range is given)									
Standard	Grade	UNS	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N
ASTM A890 Grade 1B	CD4M CuN	J93372	0.040	1.00	1.00	0.040	0.040	24.5-26.5	4.7-6.0	1.7-2.3	2.7-3.3	0.10-0.25
ASTM A890 Grade 1B	CD4M CuN	J93372	0.040	1.00	1.00	0.040	0.040	24.5-26.5	4.7-6.0	1.7-2.3	2.7-3.3	0.10-0.30

### CD4MCuN (UNS J93372) Stainless Steel Mechanical Property:

Tensile Strength, min 100ksi [690Mpa];

Yield strength, min 70Ksi [485Mpa];

Elongation 16%

### Stainless Steel CD4MCuN (UNS J93372) Casting Heat treatment process:

Heat to 1900°F [1040°C] minimum, hold for sufficient time to heat casting uniformly to temperature, quench in water or rapid cool by other means.

CD4MCuN (UNS J93372) Hardness (not required): ≤HB300(HRC32)



## CD4MCuN (UNS J93372) Casting Typical Application

- I SUBSEA CONTROL LINES
- I HEAT EXCHANGERS
- I WATER SYSTEMS
- I OFFSHORE PLATFORMS
- I FIRE-FIGHTING SYSTEMS
- I PUMP AND VALVE INDUSTRY

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 do 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.

1. Sand Casting
2. Investment Casting
3. Shell Casting
4. CNC Machining
5. CAD Design
6. 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**