



## Duplex Stainless Steel CD4MCu

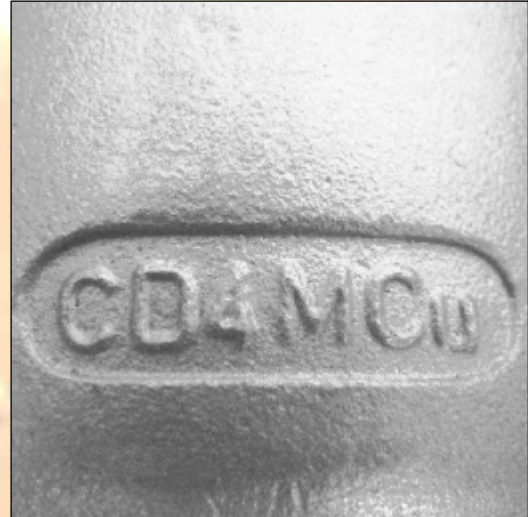
CD4MCu is a Fe-Cr-Ni-Mo duplex stainless steel, with greater corrosive resistance than standard 18-8 Cr-Ni and 18-14-2/18-14-3 Cr-Ni-Mo stainless steel parts.

Casting Material Standard: ASTM A890 Grade 1A; Type 25Cr-5Ni-Mo-Cu; UNS J93370; ACI CD4MCu; Z3CNUD26•05M; SS2605

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### CD4MCu(SS2605) Chemical requirements:

Carbon, max 0.04;  
Manganese, max 1.00  
Silicon, max 1.00  
Phosphorus, max 0.04  
Sulfur, max 0.04  
Chromium 24.5-26.5  
Nickel 4.75-6.0  
Molybdenum 1.17-2.25  
Copper 2.75-3.25



### CD4MCu(SS2605) Tensile Requirements:

Tensile Strength, min100ksi [690Mpa]; Yield strength, min 70Ksi [485Mpa]; Elongation 16%

### CD4MCu(SS2605) 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.

**CD4MCu(SS2605) Hardness:** HB300

CD4MCu is widely used in pump industry, especially in abrasive applications, such as pump casing and pump impeller. And CDM4Cu won't pit like regular stainless steel, has a better stress/corrosive cracking resistance than standard stainless, and higher strength than standard stainless steel. And compared with regular cast iron material, it is much more resistant to corrosion and much stronger.

### CD4MCu BENEFITS

- Corrosion and pitting resistance
- Better for abrasive applications
- Higher strength than standard stainless steel
- Improved ductility and weldability
- Better resistance to embrittlement

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