



## Hastelloy C4

### 1. Brief introduction:

Hastelloy C-4 (N06455) Hastelloy is an austenitic low carbon nickel molybdenum chromium alloy.

The main difference between hastelloy C4 and other early developed alloys with similar chemical composition is low carbon, silicon, iron and tungsten content. Such chemical composition makes it show excellent stability at 650-1040 °C, improves the ability to resist intergranular corrosion, and can avoid edge corrosion sensitivity and weld heat affected zone corrosion under appropriate manufacturing conditions.

### 2. Main specifications:

China	USA	Alloy	W.Nr	ISO
NS 335	Hastelloy C4	N06455	2.4610	NiMo16Cr16Ti

### 3. Chemical composition under ASTM B574-17 standard:

Grade	chemical composition,%										
	Ni	Cr	Mo	Fe	Co	Mn	Ti	Si	P	S	C
alloy N06455	Remainder	14.0-18.0	14.0-17.0	≤3.0	≤2.0	≤1.0	≤0.7	≤0.08	≤0.04	≤0.03	≤0.015



**4. Main product types:**

wire,rod,forging,bar,strip,sheet/plate,tube/pipe,ring,fitting.

**5. Main produce standards:**

Wire,Rod, Bar,Forging	Plate/Sheet/Strip	Tube/Pipe	Fitting
ASTM B574	ASTM B575	ASTM B619/B619M ASTM B622 ASTM B626	ASTM B366/B366M-16

**6. HastelloyC4 Source URL:**

<https://www.hitealloy.com/product/hastelloy-c4-uns-n06455.html>