



## Alloy 800

### 1. Brief introduction:

Alloy 800 is a Ni-Fe-Cr alloy with good strength and excellent resistance to oxidation and carburization in high-temperature atmospheres, normally used in service at temperatures to approximately 1100°F (593°C). Alloy 800 also resists corrosion by many aqueous environments. It maintains a stable, austenitic structure during prolonged exposure to high temperatures.

### 2. Main specifications:

Chinese	UNS	Werkstoff Nr.
NS111	No8800	1.4876

### 3. Chemical composition under ASTM B408-2016 standard:

Grade	chemical composition,%									
	Ni	Cr	Fe	Mn	C	Cu	Si	S	Al	Ti
alloy No8800	30.0-35.0	19.0-23.0	≥39.5	≤1.5	≤0.1	≤0.75	≤1.0	≤0.015	0.15-0.6	0.15-0.6

### 4. Main product types:

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



Shanghai Hite Special Alloy Co., Ltd.  
<https://www.hitealloy.com>

#### 5. Main produce standards:

Wire,Rod, Bar	Forging	Plate/Sheet/Strip	Seamless Tube/Pipe	Welded Fittings
ASTM B408 ASME SB408	ASTM B564 ASME SB564	ASTM B409 ASME SB409 AMS5871	ASTM B163 ASME SB163 ASTM B407 ASME SB407	ASTM B366

#### 6. Alloy 800 source URL:

<https://www.hitealloy.com/product/alloy-800-ns111.html>