



## Alloy 601

### 1. Brief introduction:

Alloy 601 is Ni-Cr-Fe alloy with addition of aluminum for outstanding resistance to oxidation and other forms of high-temperature corrosion.

Alloy 601 also has high mechanical properties at elevated temperatures.

Alloy 601 is used for industrial furnaces, heat-treating equipments, petrochemical and other process equipment, and gas-turbine components.

### 2. Main specifications:

China	UNS	USA	W.Nr
NS313	N06601	Inconel 601	2.4851

### 3. Chemical composition under ASTM B166-08 standard:

Grade	chemical composition, %								
	Ni	Cr	C	Si	Mn	Al	S	Cu	Fe
UNS N06601	58.0-63.0	21.0-25.0	≤0.1	≤0.5	≤1	1.0-1.7	≤0.015	≤1.0	Remainder

Fe element shall be determined arithmetically by difference.

### 4. Main product types we produce:

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



**5. Main produce standards:**

Wire,rod, Bar	Sheet/Strip	Pipe
ASTM B166	ASTM B168	ASTM B167
		ASTM B163
		ASTM B775
		ASTM B829

**6. Alloy601 source URL:**

<https://www.hitealloy.com/product/alloy-601-ns313.html>