



## Alloy 188

### 1. Brief introduction:

A Cobalt-based alloy with excellent high temperature strength and good oxidation resistance to 2000°F (1093°C).

It has good sulfidation resistance and excellent metallurgical stability displayed by its ductility after prolonged exposure to elevated temperatures.

It's used in typical gas turbine applications such as combustor, flame holders, liners and transition ducts.

### 2. Main specifications:

UNS	USA
R30188	Udimet alloy 188

### 3. Chemical composition under AMS5608 standard:

Grade	chemical composition,%											
	Ni	Cr	Co	W	Mn	La	Si	C	Fe	B	S	P
alloy 188	20.0-24.0	20.0-24.0	Remainder	13.0-16.0	≤1.25	0.02-0.12	0.2-0.5	0.05-0.15	≤3.0	≤0.015	≤0.015	≤0.02



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

**4. Main product types:**

forging, extruded section, bar, sheet/plate.

**5. Main produce standards:**

Rod, Bar, Forging, Ring	Plate/Sheet/Strip
AMS5772	AMS5608

**6. Alloy188 source URL:**

<https://www.hitealloy.com/product/alloy-188.html>