



Waspaloy

1. Brief introduction:

It is a nickel-base superalloy which is precipitated and hardened by γ' phase.

It has good gas corrosion resistance, high yield strength and fatigue performance, good process plasticity and stable structure.

It's widely used in aero-engine rotating parts under working temperature not higher than 815 °C.

2. Main specifications:

China	USA	UNS	France	W.Nr
GH738	Waspaloy	No7001	NC20K14	2.4654

3. Chemical composition under ASTM B637 standard:

Grade	chemical composition,%														
	Ni	Cr	Co	Mo	Ti	Al	Fe	Mn	C	Si	Cu	S	P	Zr	B
UNS No7001	Remainder	18.0-21.0	12.0-15.0	3.5-5.0	2.75-3.25	1.2-1.6	≤2.0	≤1.0	0.03-0.1	≤0.75	≤0.5	≤0.03	≤0.03	0.02-0.12	0.003-0.01

Ni element shall be determined arithmetically by difference.



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

4. Main product types:

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

5. Main produce standards:

Wire,Rod, Bar,Forging,Ring:	ASTM B637
Sheet, strip, plate:	AMS 5544

6. Waspaloy source URL:

<https://www.hitealloy.com/product/uns-n07001-alloy-685.html>