

Nickel alloy Type and composition list

Incoloy800 Type & Standard		NAS	UNS	EN	JIS								
		NAS 800	UNS N08800	1.4876	NCF8 00								
Chemical compositi on	Standard	Range	C	Si	Mn	P	S	Ni	Cr	Cu	Al	Ti	Fe
	JIS	Min	-	-	-	-	-	30.00	19.00	-	0.15	0.15	-
		Max	0.01	1.00	1.50	0.03	0.015	35.00	23.00	0.75	0.60	0.60	Bal.
	ASTM	Min	-	-	-	-	-	30.00	19.00	-	0.15	0.15	39.5
		Max	0.10	1.00	1.50	-	0.015	35.00	23.00	0.75	0.60	0.60	-
	EN	Min	-	-	-	-	-	30.00	19.00	-	0.15	0.15	-
Max		0.12	1.00	2.00	0.03	0.015	34.00	23.00	-	0.60	0.60	-	

Inconel600 Type & Standard		NAS	UNS	EN	JIS									
		NAS 600	UNS N06600	2.4816	NCF6 00									
Chemical compositi on	Standard	Range	C	Si	Mn	P	S	Ni	Cr	Cu	Co	Al	Ti	Fe
	JIS	Min	-	-	-	-	-	72.00	14.00	-	-	-	-	6.00
		Max	0.50	0.50	1.00	0.03	0.02	-	17.00	0.50	-	-	-	10.00
	ASTM	Min	-	-	-	-	-	72.00	14.00	1.00	-	-	-	6.00
Max		0.50	0.50	1.00	-	0.02	-	17.00	0.50	-	-	-	10.00	

Hastelloy c-276 Alloy		NAS	UNS	EN	JIS								
		NAS NW276	UNS N10276	2.4819	NW02 76								
Chemicalcom position	Range	C	Si	Mn	P	S	Cr	Mo	Fe	Co	W	V	
	Min	-	-	-	-	-	14.50	15.00	4.00	-	3.00	-	
	Max	0.01	0.08	1.00	0.04	0.03	16.50	17.00	7.00	2.50	4.50	0.35	

Monel400 Type &		NAS	EN	JIS								
		NAS N04400	2.436	NW44 00								
Chemical compositio	Range	C	Si	Mn	S	Cr	Cu	Fe	V			
	Min	-	-	-	-	63.00	28.00	-	-			
	Max	0.30	0.50	2.00	0.02	-	34.00	2.50	0.35			



Common Questions on High-Performance Nickel Alloys:

Q: What are the key applications for Inconel 600 and Monel 400? A: Inconel 600 is widely used in furnace components and chemical processing due to its heat resistance, while Monel 400 is excellent for marine engineering and valve production because of its superior corrosion resistance.

Q: Does Channov Precision provide customized machining for Hastelloy C-276? A: Yes, we specialize in precision machining of high-toughness alloys like Hastelloy C-276. Our components meet international standards including NAS, UNS, EN, and JIS.

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