

# High Temperature Alloy Series

Grade	C	Si	Mn	S	P	Cr	Co	W	Mo	Ti	Al	Fe	Ni	Other
	less than													
GH2132	0.08	1	1~2	0.02	0.03	13.5~16	-	-	1~1.5	1.75~2.35	≤0.40	base	24~27	B 0.001~0.01 V 0.1~0.5
GH3030	0.12	0.8	0.7	0.02	0.03	19~ 22	-	-	-	0.15~0.35	≤0.15	≤1.5	base	-
GH3128	0.05	0.8	0.5	0.01 3	0.01 3	19~ 22	-	7.5~9	7.5~9	0.4~0.8	0.4~0.8	≤2.0	base	B≤0.005 Ce≤0.05 Zr≤0.06
GH4145	0.08	0.5	1	0.01	0.01 5	14~ 17	≤1	-	-	2.25~2.75	0.4~1	5~9	≥70	Nb 0.7~1.2
GH4169	0.08	0.35	0.35	0.01 5	0.01 5	17~ 21	≤1	-	2.8~3.3	0.65~1.15	0.2~0.8	balance	50~55	Cu≤0.3 Nb4.75~5.5 Mg≤0.01 B≤0.006
GH4080A	0.04~0.1	0.8	0.4	0.01 5	0.02	18~ 21	≤2	-	-	1.8~2.7	1~1.8	≤1.5	base	Cu≤0.2 B≤0.008
GH3044	0.1	0.8	0.5	0.01 3	0.01 3	23.5~26.5	-	13~16	≤1.5	0.3~0.7	≤0.5	≤4.0	base	Cu≤0.07
GH2136	0.06	0.75	0.35	0.02 5	0.02 5	13~ 16	-	-	1~1.75	2.4~3.2	≤0.35	base	24.5~28.5	B:0.005~0.025 V:0.01~0.1
GH2036	0.34~0.4	0.3~0.8	7.5~9.5	0.03	0.03 5	11.~13.5	-	-	1.1~1.4	≤0.12	-	base	7~9	V:1.25~1.55 Nb:0.25~0.5
GH4738	0.03~0.1	0.15	0.1	0.01 5	0.01 5	18~ 21	12~15	-	3.5~5	2.75~3.25	1.2~1.6	≤2.0	base	B:0.003~0.01 Zr:0.02~0.08

# Precision Alloy Series

Grade	C	Mn	S	P	Cr	Ni	Mo	Cu	Fe	Al	Co	Ti
	Less than											
1J50	0.03	0.3~0.6	0.02	0.02	-	49~50.5	-	≤0.2	rest	-	-	-
1J79	0.03	0.6~1.1	0.02	0.02	-	78.5~80	3.8~4.1	≤0.2	rest	-	-	-
3J53	0.05	0.8	0.02	0.02	5.2~5.8	41.5~43	0.7~0.9	-	rest	0.5~0.8	-	2.3~2.7
4J29	0.03	0.5	0.02	0.02	<0.2	28.5~29.5	≤0.2	≤0.2	rest	-	16.8~17.8	-
4J36	0.05	0.2~0.6	0.02	0.02	-	35~37	-	-	rest	-	-	-
4J42	0.05	0.8	0.02	0.02	-	41.5~42.5	-	-	rest	≤0.1	≤1.0	-

# Incoloy Series

Grade	C	Si	Mn	S	P	Cr	Ni	Fe	Al	Ti	Cu	Mo	Others
	Less than												
Incoloy800	0.1	1	1.5	0.015	0.03	19~23	30~35	rest	0.15~0.6	0.15~0.6	≤0.75	-	-
Incoloy800H	0.05~0.1	1	1.5	0.015	0.03	19~23	30~35	rest	0.15~0.6	0.15~0.6	≤0.75	-	-
Incoloy800H T	0.06~0.1	1	1.5	0.015	0.03	19~23	30~35	rest	0.15~0.6	0.15~0.6	≤0.75	-	Al+Ti 0.85~1.2
Incoloy825	0.05~0.1	0.5	1	0.03	0.03	19.5~ 23.5	38~46	rest	≤0.2	0.6~1.2	1.5~3	2.5~ 3.5	-
Incoloy901	0.2-0.06	0.4	0.5	0.008	0.02	11~14	40-45	rest	≤0.3	2.8-3.1	≤0.2	5-6.5	Co≤1.0
Incoloy925	0.03	0.5	1	0.03	0.03	19.5-22.5	42-46	rest	0.15-0.5	1.9-2.4	1.5-3	2.5~3. 5	Co≤0.5
Incoloy926	0.02	0.5	2	0.01	0.03	19-21	24-26	rest	-	-	0.5-1.5	6~7	N 0.15-0.25
Incoloy330	0.08	1-1.5	2	0.03	0.03	18-20	34-37	rest	-	-	≤1.0	-	-

# Inconel Series

Grade	C	Si	Mn	S	P	Cr	Ni	Fe	Al	Ti	Cu	Mo	Nb	Others
	Less than													
Inconel600	0.15	0.5	1	0.015	0.03	14-17	base	6~10	-	-	≤0.5	-	-	-
Inconel601	0.1	0.5	1	0.015	0.03	21-25	base	10~15	1-1.7	-	≤1.0	-	-	-
Inconel625	0.1	0.5	0.5	0.015	0.015	20-23	base	≤5	≤0.4	≤0.4	-	8~10	3.15-4.15	Co≤1
Inconel725	0.03	0.2	0.35	0.01	0.015	19-22.5	55-59	rest	0.35	1-1.7	-	7-9.5	2.75-4	-
Inconel690	0.05.	0.5	0.5	0.015	0.03	27-31	base	7~11	-	-	≤0.5	-	-	-

# Monel & Nickel Series

Grade	C	Si	Mn	S	P	Cr	Ni	Mo	Fe	Co	W	Al	Ti	Cu
	less than													
Monel400	0.3	0.5	2	0.024	-	-	$\geq 63$	-	$\leq 2.5$	-	-	-	-	28-34
Monel K500	0.25	0.5	1.5	0.01	-	-	$\geq 63$	-	$\leq 2$	-	-	2.3-3.15	0.35-0.85	27-33
Monel404	0.15	0.1	0.1	0.024	-	-	52-57	-	$\leq 0.5$	-	-	$\leq 0.05$	-	rest

Grade	NI	Fe	Cu	C	Mn	S	Si
Nickel200	$\geq 99$	$\leq 0.4$	$\leq 0.25$	$\leq 0.15$	$\leq 0.35$	$\leq 0.01$	$\leq 0.35$
Nickel201	$\geq 99$	$\leq 0.4$	$\leq 0.25$	$\leq 0.02$	$\leq 0.35$	$\leq 0.01$	$\leq 0.35$

# Nitronic & Alloy Series

Grade	C	Si	Mn	S	P	Cr	Ni	Fe	Mo	Ti	Cu	Nb	N	Others
	less than													
Nitronic50	0.06	1	4~6	0.03	0.04	20.5-23.5	11.5-13.5	base	1.5-3	0.1-0.3	-	0.1-0.3	0.2-0.4	-
Nitronic60	0.1	3.5-4.5	7~9	0.03	0.06	16-18	8~9	base	-	-	-	-	0.08-0.18	-

Grade	C	Si	Mn	S	P	Cr	Ni	Fe	Mo	Ti	Cu	Nb	N	Others
	less than													
Alloy20cb-3	0.07	1	2	0.03	0.03	19-21	32-38	base	2~3	-	3~4	$\geq 8 \cdot C\% \sim 1$	-	-
Alloy28	0.03	1	2.5	0.03	0.03	26-28	29.5-32.5	base	3~4	-	0.6-1.4	-	-	-
Alloy31	0.015	0.3	2	0.01	0.02	26-28	30-32	base	6~7	-	1-1.4	-	0.15-0.25	-
Alloy33	0.15	0.5	2	0.01	0.02	31-35	30-33	base	0.5-2	-	0.3-1.2	-	0.35-0.6	-
Alloy75	0.08-0.15	1	1	0.01 5	0.02	18-21	base	$\leq 5$	-	0.2-0.6	$\leq 0.5$	-	-	-

# Hastelloy & Nimonic Series

Grade	C	P	S	Mn	Si	Ni	Cr	Co	Cu	Fe	N	Mo	Al	W	V	Ti	Others
	Less than																
HastelloyB	0.05	0.04	0.03	1	1	base	≤1	≤2.5	-	4~6	-	26-30	-	-	0.2-0.4	-	-
HastelloyB-2	0.02	0.04	0.03	1	0.1	Base	≤1	≤1	-	≤2	-	26-30	-	-	-	-	-
HastelloyB-3	0.01	0.03	0.01	3	0.1	≥65	1~3	≤3	≤0.2	1~3	-	27-32	≤0.5	≤3	≤0.2	≅0.2	Ni+Mo 94-98
HastelloyC	0.08	0.04	0.03	1	1	base	14.5-16.5	≤2.5	-	4~7	-	15-17	-	3-4.5	≤0.35	-	-
HastelloyC-4	0.015	0.04	0.03	1	0.08	base	14-18	≤2	-	≤3	-	14-17	-	-	-	≅0.7	-
HastelloyC-22	0.015	0.02	0.02	0.5	0.08	base	20-22.5	≤2.5	-	2~6	-	12.5-14.5	-	2.5-3.5	≤0.35	-	-
Hastelloy C-276	0.01	0.04	0.03	1	0.08	base	14.5-16.5	≤2.5	-	4~7	-	15-17	-	3-4.5	≤0.35	-	-
Hastelloy C-2000	0.01	0.025	0.01	0.5	0.08	base	22-24	≤2	1.3-1.9	≤3	-	15-17	≤0.5	-	-	-	-
HastelloyG-3	0.015	0.04	0.03	1	1	base	21-23.5	≤5	1.5-2.5	18-21	-	6~8	-	≤1.5	-	-	Nb/Ta ≤ 0.5
HastelloyX	0.05-0.15	0.025	0.015	1	1	base	20.5-23	0.5-2.5	≤0.5	17-20	-	8~10	≤0.5	0.2-1	-	≅0.15	-

Grade	C	Si	Mn	S	P	Cr	Ni	Fe	Cu	Ti	Al	Co	Others
	less than												
Nimonic90	0.13	0.8	0.4	0.015	0.02	18-21	base	≤1.5	≤0.2	2~3	1~2	15-21	B≤0.02 Zr≤0.15
Nimonic91	0.1	1	1	0.015	0.02	27-30	base	≤1	≤0.5	1.9-2.7	0.9-1.5	19-21	Nb0.4-1.1 B0.002-0.01 Zr≤0.1

# Super Duplex Stainless Steel

Grade	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	N	W	Other
	less than											
F51(31803)	0.03	1	2	0.02	0.03	21-23	4.5-6.5	2.5-3.5	-	0.08-0.2	-	-
F53(S32750)	0.03	0.8	1.2	0.02	0.035	24-26	6~8	3~5	≤0.5	0.24-0.32	-	-
F55(S32760)	0.03	1	1	0.01	0.03	24-26	6~8	3~4	0.5-1	0.2-0.3	0.5-1.5	-
329(S32900)	0.08	1	1.5	0.03	0.04	23-28	3~6	1~3	-	-	-	-
A4 steel (0Cr17Mn13Mo 2N)	0.08	0.7	12~15	0.02	0.045	16.5-18.5	-	1.8-2.2	-	0.2-0.3	-	-

# Super Austenite Stainless Steel

Grade	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	N	Other
	less than										
904L(N08904)	0.02	1	2	0.03	0.04	19-23	23-28	4~5	1~2	-	-
253Ma(S30815)	0.05~0.1	1.4-2	0.8	0.03	0.04	20-22	10~12	-	-	0.14-0.2	Ce 0.03-0.08
254SMo (F44/31254)	0.02	0.8	1	0.01	0.03	19.5- 20.5	17.5- 18.5	6-6.5	0.5-1	0.18-0.22	-
Al-6XN	0.03	1	2	0.03	0.04	20-22	23.5- 25.5	6~7	≤0.75	0.18-0.25	-
S31050 (310MoLN))	0.02	0.4	2	0.015	0.03	24-26	21-23	2~3	-	0.1-0.16	-
U3	0.02	0.4	2.5-3	0.015	0.02	24-26	19-21	2.5-3	-	0.2-0.3	-
HD	0.03	4.5-6	1	0.01	0.03	17-19	18-20	0.3-0.8	1.5-2.5	-	-
C4	0.03	3-4.5	1	0.03	0.035	13-15	13-15	-	-	-	-
DS-2	0.02	5~7	1	0.03	0.03	8~11	22-25	-	-	-	Al Ti ≤ 0.5



# Jiangsu Bealloy Co.,Ltd



## ***CONTACT US***

Address: No.151, Xigang Road, Dongbeitang Xishan District, Wuxi, Jiangsu, China

Tel No: +86 21 6868 0108

+86 21 6049 1681

Whatsapp & Wechat:+86 17721344926

E-mail: [sales802@bealloy.com](mailto:sales802@bealloy.com)

Ms.Sophia Zhang

[www.bealloy.com](http://www.bealloy.com)