

Chemical Composition

	Grade	ASTM Plates	ASTM Pipes		ASTM Fittings	ASTM Forgings	UNS	W.N.	C % max	Cr %	Ni %	Mo %	Other elements %
			Welded	Seamless									
STAINLESS STEELS	304	A240	A312	A312	A403	A182	S30400	1.4301	0.08	18~20	8~10.5	-	N O. 1 max
	304 L	A240	A312	A312	A403	A182	S30403	1.4306	0.03	18~20	8~12	-	N O. 1 max
	321	A240	A312	A312	A403	A182	S32100	1.4541	0.08	17~19	9~12	-	Ti 5x(Co+N)~0.70
	347	A240	A312	A312	A403	A182	S34700	1.455	0.08	17~19	9~13	-	Cb 10xC ~ 1.00
	316	A240	A312	A312	A403	A182	S31600	1.4401	0.08	16~18	10~14	2~3	N O. 1 max
	316 L	A240	A312	A312	A403	A182	S31603	1.4404	0.03	16~18	10~14	2~3	N O. 1 max
	316 Ti	A240				A182	S31635	1.4571	0.08	16~18	10~14	2~3	N O. 1 max Ti 5x(Co+N)~0.70
	317 L	A240	A312	A312	A403	A182	S31703	1.4438	0.03	18~20	11~15	3~4	N O. 10 max
	309 S	A240	A312	A312	A403	A182	S30908	1.4828	0.08	22~24	12~15	-	-
	310 S	A240	A312	A312	A403	A182	S31008	1.4845	0.08	24~26	19~22	-	-
	25.22.2	A240	A312	A312	A403	A182	S31050	1.4466	0.03	24~26	21~23	2~3	N 0.1~0.16
	410 S	A240				A182	S41008	1.4	0.08	11.5~13.5	0.6 max	-	-
	253 MA	A240				A182	S30815	1.4893	0.05 ~ 0.1	20~22	10~12	-	N 0.14~0.20 Ce 0.03~0.08
	904 L	B625	B673	B677			N08904	1.4539	0.02	19~23	23~28	4~5	-
	6 MO	B625	A358	A312	A403	A182	N08926	1.4529	0.02	19~21	24~26	6~7	N 0.15~0.25
	254 SMO	A240	A358		A403		S31254	1.4547	0.02	19.5~20.5	17.5~18.5	6~6.5	N 0.18~0.22
	DUPLEX	A240	A928	A790	A815	A182	S31803	1.4462	0.03	21~23	4.5~6.5	2.5~3.5	N 0.08~0.20
	SUPER DUPLEX	A240	A928	A790	A815	A182	S32750	1.441	0.03	24~26	6~8	3~5	N 0.24~0.32
	SUPER DUPLEX	A240	A928	A790	A815	A182	S32760	1.4501	0.03	24~26	6~8	3~4	N 0.2~0.3
	ALLOY 28	B709					N08028	1.4563	0.03	26~28	29.5~32.5	3~4	-
ALLOY 31	B625				B564	N08031	1.4562	0.015	26~28	30~32	6~7	N 0.15 ~ 0.25	
4565 S	A240	A358	A312	A403	A182	S34565	1.4565	0.03	23~25	16~18	3.5~5.0	N 0.4 ~ 0.6 Mn 3.5 ~ 6.5	

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NICKEL ALLOYS	NICKEL 200	B162	B725	B161	B366	B564	N02200	2.4066	0.15	-	98.4 ~ 99.6	-	-
	NICKEL 201	B162	B725	B161	B366		N02201	24,068	0.01	-	98.4 ~ 99.6	-	-
	ALLOY 400	B127	B725	B165	B366	B564	N04400	2.436	0.3	-	63 min	-	-
	ALLOY 600	B168	B517	B167	B366	B564	N06600	2.4816	0.15	14 ~ 17	72 min	-	-
	ALLOY 601	B168		B167			N06601	2.4851	0.1	21 ~ 25	58 ~ 63	-	-
	ALLOY 625	B443	B705	B444	B366	B564	N06625	2.4856	0.1	20 ~ 23	58 min	8 ~ 10	Co 1 OmaxTi 0.40max Cb + Ta 3.15~4.15
	ALLOY 800H	B409	B514	B407	B366	B564	N08810	1.4958	0.05 ~ 0.1	19 ~ 23	30 ~ 35	-	Ti 0.15 ~ 0.60
	ALLOY 800HT	B408		B407	B366	B564	N08811	1.4959	0.06 ~ 0.5	19 ~ 23	30 ~ 35	-	Ti 0.15~0.60 Al + Ti 0.85 ~ 1.2
	ALLOY 825	B424	B705	B423	B366	B564	N08825	2.4858	0.05	19.5 ~ 23.5	38 ~ 46	2.5 ~ 3.5	Ti 0.6~1.2
	ALLOY B2	B333	B619	B622	B366	B564	N10665	2.4617	0.02	1 max	Balance	26 ~ 30	Co 1 max
	ALLOY B3	B333	B619	B622	B366	B564	N10675	2.46	0.01	1 ~ 3	65 min	27 ~ 32	Co 3 max W 3 max
	ALLOY B4	B333	B619	B622	B366	B564	N10629	2.46	0.01	0.5 ~ 1.5	Balance	26 ~ 30	Co 2.5 max
	ALLOY C22	B575	B619	B622	B366	B564	N06022	2.4602	0.015	20 ~ 22.5	Balance	12.5 ~ 14.5	W 2.5 ~ 3.5 Co 2.5 max V 0.35 max
	ALLOY 59	B575	B619	B622	B366	B564	N06059	2.4605	0.01	22 ~ 24	Balance	15 ~ 16.5	-
	ALLOY C276	B575	B619	B622	B366	B564	N10276	2.4819	0.01	14.5 ~ 16.5	Balance	15 ~ 17	Co 2.5 max W 3~4.5
	ALLOY C4	B575	B619	B622	B366		N06455	2.461	0.015	14 ~ 18	Balance	14 ~ 17	Ti 0.7 max
	ALLOY X	B435	B619	B622	B366		N06002	2.4665	0.05 ~ 0.15	20.5 ~ 23	Balance	8 ~ 10	W 0.2~1.0
	ALLOY G30	B582	B619	B622	B366		N06030	2.4603	0.03	28 ~ 31.5	Balance	4 ~ 6	W 1.5 ~ 4 Co 5max Cb + Ta 0.3 ~ 1.5
Cu Ni 90/10	B171	EEMUA-144	EEMUA-144	EEMUA-146	EEMUA-145	C70600	2.0872	0.05	-	+Cb 9 ~ 11	-	Zn 0.50 max Pb 0.02 max	

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TITANIUM	Ti Gr. 1	B265	B862	B861	B363	B381	R50250	3.7025	0.08	0.015	0.18	0.2	-
	Ti Gr. 2	B265	B862	B861	B363	B381	R50400	3.7035	0.08	0.015	0.25	0.3	-
	Ti Gr. 3	B265	B862	B861	B363	B381	R50550	3.7055	0.08	0.015	0.35	0.3	-
	Ti Gr. 7	B265	B862	B861	B363	B381	R52400	3.7235	0.08	0.015	0.25	0.3	Pd 0.12 ~ 0.25
	Ti Gr. 12	B265	B862	B861	B363	B381	R53400	3.7105	0.08	0.015	0.25	0.3	Ni 0.6 ~ 0.9 Mo 0.2 ~ 0.4