

Chemical Composition

	VARIA GRADE	UNS (United) Numbering	USA Canada/AISI ASTM-ASME	India/IS Letter Symbol	Germany/DIN Designation	Japan/JIS	%C (Max.)	%Mn (Max.)	%P (Max.)	%S (Max.)	%Si (Max.)	%Cr	%Ni	%Mo	%N (Max.)	%Others
Austenitic Cr-Mn*	(201 0.3% Ni)	---	---	---	---	---	0.096	9.50-10.50	0.08	0.001	0.50	15.00-15.50	0.40	---	0.20	Cu=1.50-2.0
	(201 1% Ni)	---	---	---	---	---	0.10	8.00-10.00	0.60	0.005	0.75	15.50-16.50	1.00-2.00	---	0.20	Cu = 1.50-2.00
	204Cu	S20430	---	---	---	---	0.15	6.5-9.00	0.06	0.030	1.00	15.50-17.50	1.50-3.50	---	0.05-0.25	Cu = 2.00-4.00
	204	---	---	---	---	---	0.08	4.50-6.50	0.06	0.015 max	1.00	17.50-19.50	4.00-6.00	---	0.10-0.20	---
	(202 4% Ni)	---	---	---	---	---	0.08	6.00-8.00	0.06	0.005	0.75	16.00-18.00	4.00-6.00	---	0.10	Cu = 1.50-2.00
	216L	---	---	---	---	---	0.30	6.00-8.00	0.06	0.015	1.00	16.00-18.00	6.00-8.00	1.50-2.00	0.15-0.25	Cu=1.50-2.00
Austenitic cr-Ni*	301	S30100	310	X10Cr17Ni7	X12CrNi177	SUS301	0.15	2.00	0.045	0.030	1.00	16.00-18.00	6.00-8.00	---	0.10	---
	304	S30400	304	X04Cr19Ni9	X5CrNi1810	SUS304	0.08	2.00	0.045	0.030	0.75	18.00-20.00	8.00-10.50	---	0.10	---
	304H	S30409	304H	---	---	---	0.04-0.10	2.00	0.045	0.030	0.75	18.00-20.00	8.00-10.50	---	---	---
	304L	S30403	304L	---	---	SUS304L	0.30	2.00	0.045	0.030	0.75	18.00-20.00	8.00-12.00	---	0.10	---
	310	S31000	310	X20Cr25Ni20	X15CrNiSi2520	SUS310	0.25	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00	---	---	---
	310S	S31008	310S	---	X12CrNi2621	SUS310S	0.08	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00	---	---	---
	316	S31600	316	X04Cr17Ni12Mo2	X2CrNiMo17122	SUS316	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	---
	316L	S31603	316L	X02Cr17Ni12Mo2	X2CrNiMo17132	SUS316L	0.03	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	---
	316Ti	S31635	316Ti	X04Cr17Ni12Mo2Ti	X6crNiMoTi17122	---	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	Ti=5X(C+N)Min., 0.70 Max.
	321	S32100	321	X04Cr18Ni10Ti	X6CrNiTi1810	SUS321	0.08	2.00	0.045	0.030	0.75	17.00-19.00	9.00-12.00	---	0.10	Ti=5X(C+N)Min., 0.70 Max.
Martensitic	410	S41000	410	X12Cr12	X12Cr13	SUS410	0.15	1.00	0.040	0.030	1.00	11.50-13.50	0.75 max	---	---	---
	420	S42000	420	X20Cr13	SUS420J1	SUS420J1	0.15 min	1.00	0.040	0.030	1.00	12.00-14.00	0.75 max	---	---	---
Ferritic	409	S40900	409	---	X2CrTi12	---	0.03	1.00	0.040	0.020	1.00	10.50-11.75	0.50 max	---	0.030	Ti+6X(C+N)Min., 0.5 Max.
	410S	S41008	410S	---	S41008	---	0.08	1.00	0.040	0.030	1.00	11.50-13.50	0.60 max	---	---	---
	430	S43000	430	X07Cr17	X6Cr17	SUS430	0.12	1.00	0.040	0.030	1.00	16.00-18.00	0.75 max	---	---	---

