

Chemical composition

new grade	Japanese standard	USS	European standard	C	Si	Mn	P	S	Ni	Cr	Mo	N	others
12Cr17Ni7	SUS301	301	1.4319	0.15	1.00	2.00	0.045	0.030	6.00-8.00	16.00-18.00		0.1	
06Cr19Ni10	SUS304	304	1.4301	0.07	0.75	2.00	0.045	0.030	8.00-10.50	17.50-19.50		0.1	
			1.4828	0.20	1.50-2.50	2.00	0.05	0.02	11.00-13.00	19.00-21.00		0.11	
06Cr23Ni13	SUS309S	309S	1.4833	0.08	0.75	2.00	0.045	0.030	12.00-15.00	22.00-24.00			
06Cr25Ni20	SUS310S	310S	1.4845	0.08	1.50	2.00	0.045	0.030	19.00-22.00	24.00-26.00			
06Cr17Ni12Mo2	SUS316	316	1.4401	0.08	0.75	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00	0.1	
022Cr17Ni12Mo2	SUS316L	316L	1.4404	0.03	0.75	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00	0.1	
06Cr17Ni12Mo2Ti	SUS316Ti	316Ti	1.4571	0.08	0.75	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00		Ti≥5XC
06Cr18Ni11Ti	SUS321	321	1.4541	0.08	0.75	2.00	0.045	0.030	9.00-12.00	17.00-19.00		0.1	Ti≥5XC
022Cr11Ti	SUH409L	409L	1.4512	0.03	1.00	1.00	0.040	0.020	0.60	10.50-11.75		0.03	Ti:6(C+N) ~0.50
022Cr12	SUS410L			0.03	1.00	1.00	0.040	0.030	0.60	11.00-13.50			
10Cr17	430	1.4016		0.12	1.00	1.00	0.040	0.030	0.75	16.00-18.00			
019Cr18CuNb	430J1L			0.025	1.00	1.00	0.040	0.030	0.60	16.00~20.00		0.025	Cu:0.30-0.80 Nb:8(C%+N%) ~0.80
06Cr13	SUS410S	410S	1.4000	0.08	1.00	1.00	0.040	0.030	0.60	11.50-13.50			
022CR17NbTi	SUS430LX	439	1.4510	0.12	0.75	1.00	0.040	0.030	0.60	16.00-18.00	2.00-3.00		
		441		0.03	1.00	1.00	0.040	0.015		17.50-18.50			Ti:0.1-0.6; Nb:3(C+0.30) ~1.00
019Cr19Mo2NbTi		444	1.4521	0.025	1.00	1.00	0.040	0.030	1.00	17.50-19.50	1.75-2.50	0.035	Ti+Nb; [0.20+4(C+N)] ~0.80
12Cr13	SUS410	410	1.4006	0.15	1.00	1.00	0.040	0.030	0.60	11.50-13.50			
		410SC		0.08-0.12	0.4-0.8	0.7-1.0	0.035	0.010	0.60	11.50-12.50			
41D001				0.045-0.08	0.60	1.00-2.50	0.035	0.030	0.60	11.50-14.50		0.008-0.020	Nb<0.010
20Cr13	SUS420J1	420	1.4021	0.16-0.25	1.00	1.00	0.040	0.030	0.60	12.00-14.00			
30Cr13	SUS420J2	420	1.4028	0.26-0.35	1.00	1.00	0.040	0.030	0.60	12.00-14.00			
		420U6		0.13-0.25	1.00	1.00	0.040	0.030	0.60	13.00-14.50		0.06-0.15	
40Cr13			1.4031	0.36-0.45	0.80	0.80	0.040	0.030	0.60	12.00-14.00			
X38CrMo14			1.4419	0.36-0.42	1.00	1.00	0.04	0.015		13.00-14.50	0.06-1.0		
X46Cr13			1.4034	0.43-0.5	1.00	1.00	0.040	0.015		12.50-14.50			
	TMS422			0.36-0.40	0.30-0.50	0.45~0.65	0.025	0.010		13.20-14.00		0.90-1.10	
50Cr15MoV			1.4116	0.45-0.55	1.00	1.00	0.040	0.015		14.00-15.00	0.50-0.80		V:0.10-0.20
6Cr13				0.60-0.70	1.00	1.00	0.040	0.030		12.5-14.00			
7Cr13Mo				0.65-0.75	1.00	1.00	0.040	0.030		12.50-14.00	0.05-1.0		V:0.05-0.2
X65CrMo14			1.4109	0.60-0.75	1.00	1.00	0.045	0.030		13.00-15.00	0.50-0.60		
8Cr14MoV				0.75~0.8	0.8	0.2-0.8	0.03	0.04		13.50-14.50	0.40-0.50		V:0.10-0.30
9Cr18MoV(102Cr17Mo)				0.95~1.10	0.8	0.8	0.04	0.03	0.60	16.00-18.00	0.40-0.70		
	VG10			0.95~1.05	0.5	0.5	0.03	0.03		14.00-15.00	0.90-1.20		Co:1.30-1.50 V:0.15-0.50
022Cr25Ni7Mo4N		2507		0.03	0.80	1.20	0.035	0.020	6.0~8.0	24.00-26.00	3.0-5.0	0.24-0.32	Cu:≤0.5
022Cr23Ni5Mo3N		2205		0.03	1.00	2.00	0.030	0.020	4.5~6.5	22.00-23.00	3.0-3.5	0.14-0.20	
1Cr13A14				0.12	0.70	0.50	0.025	0.020	0.60	12.00-15.00			Al:4.0-6.0
0Cr15A15				0.08	0.70	0.50	0.025	0.020	0.60	14.00-15.50			Al:4.5-5.5
0Cr21A16				0.06	1.00	0.70	0.025	0.025	0.60	19.00-22.00			Al:5.0-7.0