

Type	No.	China GB	JIS	AST M	Chemical composition %										
					C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	other
Austenitic stainless steel	1	1Cr17Mn6Ni5N	SUS201	201	≤0.15	≤1.00	5.50-7.50	≤0.060	≤0.030	3.50-5.50	16.00-18.00	-	-	≤0.25	-
	2	1Cr18Mn8Ni5N	SUS202	202	≤0.15	≤1.00	7.50-10.00	≤0.060	≤0.030	4.00-6.00	17.00-19.00	-	-	≤0.25	-
	3	1Cr18Mn10Ni5Mo3N			≤0.15	≤1.00	8.50-12.00	≤0.060	≤0.030	4.00-6.00	17.00-19.00	2.8-3.5	-	0.20-0.30	-
	4	1Cr17Ni7	SUS301	301	≤0.15	≤1.00	≤2.00	≤0.065	≤0.030	6.00-8.00	16.00-18.00	-	-	-	-
	5	1Cr18Ni9	SUS302	302	≤0.15	≤1.00	≤2.00	≤0.035	≤0.030	8.00-10.00	17.00-19.00	-	-	-	-
	6	Y1Cr18Ni9	SUS303	303	≤0.15	≤1.00	≤2.00	≤0.20	≤0.030	8.00-10.00	17.00-19.00	1)	-	-	-
	7	Y1Cr18Ni9Se	SUS303Se	303Se	≤0.15	≤1.00	≤2.00	≤0.20	≤0.030	8.00-10.00	17.00-19.00	-	-	-	Se≥0.15
	8	0Cr18Ni9	SUS304	304	≤0.07	≤1.00	≤2.00	≤0.035	≤0.030	8.00-10.00	17.00-19.00	-	-	-	-
	9	00Cr19Ni10	SUS304L	304L	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	8.00-10.00	18.00-20.00	-	-	-	-
	10	0Cr19Ni9N	SUS304N1	304N	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	7.00-10.50	18.00-20.00	-	-	0.10-0.25	-
	11	0Cr18Ni10NbN	SUS304N2	XM21	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	7.50-10.50	18.00-20.00	-	-	0.15-0.30	Nb≤0.15
	12	00Cr18Ni10N	SUS304LN	-	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	8.50-11.50	17.00-19.00	-	-	0.12-0.22	-
	13	1Cr18Ni12	SUS305	305	≤0.12	≤1.00	≤2.00	≤0.035	≤0.030	10.50-13.00	17.00-19.00	-	-	-	-
	14	0Cr23Ni13	SUS309S	309S	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	12.00-15.00	22.00-24.00	-	-	-	-
	15	0Cr25Ni20	SUS310S	310S	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	19.00-22.00	24.00-26.00	-	-	-	-
	16	0Cr17Ni12Mo2	SUS316	316	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	10.00-14.00	16.00-18.50	2.00-3.00	-	-	-
	17	1Cr18Ni12Mo2Ti <sup>6)</sup>			≤0.12	≤1.00	≤2.00	≤0.035	≤0.030	11.00-14.00	16.00-19.00	1.80-2.50	-	-	Ti5(C%-0.02)~0.08
	18	0Cr18Ni12Mo2Ti	SUS316Ti	316Ti	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	11.00-14.00	16.00-19.00	1.80-2.50	-	-	Ti5*C%-0.70
	19	00Cr17Ni14Mo2	SUS316L	316L	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	12.00-15.00	16.00-18.00	2.00-3.00	-	-	-
	20	0Cr17Ni12Mo2N	SUS316N	316N	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	10.00-14.00	16.00-18.00	2.00-3.00	-	0.10-0.22	-
	21	00Cr17Ni13Mo2N	SUS316LN	316LN	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	10.50-14.50	16.00-18.50	2.00-3.00	-	0.12-0.22	-

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Austenitic stainless steel	22	0Cr18Ni12Mo2Cu2	SUS316J1	-	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	10.00-14.50	17.00-19.00	1.20-2.75	1.00-2.50	-	-	
	23	00Cr18Ni14Mo2Cu2	SUS316J1L	-	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	12.00-16.00	17.00-19.00	1.20-2.75	1.00-2.50	-	-	
	24	0Cr19Ni13Mo3	SUS317	317	≤0.12	≤1.00	≤2.00	≤0.035	≤0.030	11.00-15.00	18.00-20.00	3.00-4.00	-	-	-	
	25	00Cr19Ni13Mo3	SUS317L	317L	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	11.00-15.00	18.00-20.00	3.00-4.00	-	-	-	
	26	1Cr18Ni12Mo3Ti <sup>6)</sup>			≤0.12	≤1.00	≤2.00	≤0.035	≤0.030	11.00-14.00	16.00-19.00	2.50-3.50	-	-	Ti5(C%-0.02)~0.08	
	27	0Cr18Ni12Mo3Ti			≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	11.00-14.00	16.00-19.00	2.50-3.50	-	-	Ti5*C%-0.70	
	28	0Cr18Ni16Mo5	SUS317J1	-	≤0.040	≤1.00	≤2.00	≤0.035	≤0.030	15.00-17.00	16.00-19.00	4.00-6.00	-	-	-	
	29	1Cr18Ni9Ti <sup>6)</sup>	-	321	≤0.12	≤1.00	≤2.00	≤0.035	≤0.030	8.00-11.00	17.00-19.00	-	-	-	Ti5(C%-0.02)~0.08	
	30	0Cr18Ni10Ti	SUS321	321	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	9.00-12.00	17.00-19.00	-	-	-	Ti≥5*C%	
	31	0Cr18Ni11Nb	SUS347	347	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	9.00-13.00	17.00-19.00	-	-	-	Nb≥10*C%	
	32	0Cr18Ni9Cu3	SUSXM7	XM7	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	8.50-10.50	17.00-19.00	-	3.00-4.00	-	-	
	33	0Cr18Ni13Si4	SUSXM15J1	XM15	≤0.08	3.00-5.00	≤2.00	≤0.035	≤0.030	11.50-15.00	15.00-20.00	-	-	-	-	2)
Austenitic ferritic stainless steel	34	0Cr26Ni5Mo2	SUS329J1	-	≤0.08	≤1.00	≤1.50	≤0.035	≤0.030	3.00-6.00	23.00-28.00	1.00-3.00	-	-	-	2)
	35	1Cr18Ni11Si4AlTi	-	-	3.40-4.00	≤0.80	≤0.035	≤0.030	10.--120..	17.50-19.50	-	-	-	Al 0.10-0.30; Ti 0.40-0.70		
	36	00Cr18Ni5MoSi2			1.30-2.00	1.00-2.00	≤0.035	≤0.030	4.50-5.50	18.00-19.50	2.50-3.00	-	-	-	-	
Ferritic stainless steel	37	0Cr13Al	SUS405	405	≤0.08	≤1.00	≤1.00	≤0.035	≤0.030	3)	11.50-14.50	-	-	-	-	Al 0.10-0.30
	38	00Cr12	SUS410L	-	≤0.030	≤1.00	≤1.00	≤0.035	≤0.030	3)	11.00-13.00	-	-	-	-	-
	39	1Cr17	SUS430	430	≤0.12	≤0.75	≤1.25	≤0.035	≤0.030	3)	16.00-18.00	-	-	-	-	-
	40	Y1Cr17	SUS430F	-	≤0.12	≤1.00	≤1.00	≤0.035	≥0.15	3)	16.00-18.00	1)	-	-	-	-
	41	1Cr17Mo	SUS434	-	≤0.12	≤1.00	≤1.00	≤0.035	≤0.030	3)	16.00-18.00	0.75-1.25	-	-	-	-
	42	00Cr30Mo2 <sup>5)</sup>	SUS447J1	-	≤0.010	≤0.40	≤0.40	≤0.035	≤0.030	-	28.50-32.00	1.50-2.50	-	-	≤0.015	-
	43	00Cr27Mo2 <sup>5)</sup>	SUSXM27	XM27	≤0.010	≤0.40	≤0.40	≤0.035	≤0.030	-	25.00-27.50	0.75-1.50	-	-	≤0.015	-

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Martensitic ferritic stainless steel	44	1Cr12	SUS403	403	≤0.15	≤0.50	≤1.00	≤0.035	≤0.030	3)	11.50-13.00	-	-	-	-
	45	1Cr13	SUS410	410	≤0.15	≤1.00	≤1.00	≤0.035	≤0.030	3)	11.50-13.50	-	-	-	-
	46	0Cr13	SUS405	405	≤0.08	≤1.00	≤1.00	≤0.035	≤0.030	3)	11.50-13.50	-	-	-	-
	47	Y1Cr13	SUS416	-	≤0.15	≤1.00	≤1.25	≤0.035	≥0.15	3)	12.00-14.00	1)	-	-	-
	48	1Cr13Mo	SUS410J1	-	≤0.08-0.18	≤0.60	≤1.00	≤0.035	≤0.030	3)	11.50-14.00	0.30-0.60	-	-	-
	49	2Cr13	SUS420J1	420	0.16-0.25	≤1.00	≤1.00	≤0.035	≤0.030	3)	12.00-14.00	-	-	-	-
	50	3Cr13	SUS420J2	420	0.26-0.35	≤1.00	≤1.00	≤0.035	≤0.030	3)	12.00-14.00	-	-	-	-
	51	Y3Cr13	SUS420F	-	0.26-0.40	≤1.00	≤1.25	≤0.035	≥0.15	3)	12.00-14.00	1)	-	-	-
	52	3Cr13Mo			0.28-0.35	≤0.80	≤1.00	≤0.035	≤0.030	3)	12.00-14.00	0.50-1.00	-	-	-
	53	4Cr13	-	-	0.36-0.45	≤0.60	≤0.80	≤0.035	≤0.030	3)	12.00-14.00	-	-	-	-
	54	1Cr17Ni2	SUS431	431	0.11-0.17	≤0.80	≤0.80	≤0.035	≤0.030	1.50-2.50	16.00-18.00	-	-	-	-
	55	7Cr17	SUS440A	-	0.60-0.75	≤1.00	≤1.00	≤0.035	≤0.030	3)	16.00-18.00	4)	-	-	-
	56	8Cr17	SUS440B	-	0.75-0.95	≤1.00	≤1.00	≤0.035	≤0.030	3)	16.00-18.00	4)	-	-	-
	57	9Cr18	SUS440C	-	0.90-1.00	≤0.80	≤0.80	≤0.035	≤0.030	3)	17.00-19.00	4)	-	-	-
	58	11Cr17	SUS440C	-	0.95-1.20	≤1.00	≤1.00	≤0.035	≤0.030	3)	16.00-18.00	4)	-	-	-
	59	Y11Cr17	SUS440F	-	0.95-1.20	≤1.00	≤1.25	≤0.035	≥0.15	3)	16.00-18.00	4)	-	-	-
	60	9Cr18Mo	SUS440C	440C	0.95-1.10	≤0.80	≤0.80	≤0.035	≤0.030	3)	16.00-18.00	0.40-0.70	-	-	-
61	9Cr18MoV	-	-	0.85-0.95	≤0.80	≤0.80	≤0.035	≤0.030	3)	17.00-19.00	1.00-1.30	-	-	VO.07-0.12	
PH stainless steel	62	0Cr17Ni4Cu4Nb	SUS630	ASTM A564 M	≤0.07	≤1.00	≤1.00	≤0.035	≤0.030	6.50-7.50	15.50-17.50	-	3.00-5.00	-	Nb 0.15-0.45
	63	0Cr17Ni7Al	SUS631	17700	≤0.09	≤1.00	≤1.00	≤0.035	≤0.030	6.50-7.50	16.00-18.00	-	≤0.50	-	Al 0.75-1.50
	64	0Cr15Ni7Mo2Al			≤0.09	≤1.00	≤1.00	≤0.035	≤0.030	6.50-7.50	14.00-16.00	2.00-3.00	-	-	Al 0.75-1.50



Common Questions on Austenitic Stainless Steel Grades:

Q: What are the equivalent grades for 304 and 316 stainless steel under different standards? A: According to our component list, 304 is equivalent to 0Cr18Ni9 (GB) and SUS304 (JIS), while 316 corresponds to 0Cr17Ni12Mo2 (GB) and SUS316 (JIS).

Q: Does Channov Precision provide customized machining for high-temperature alloys like 310S? A: Yes, we specialize in CNC machining for heat-resistant grades like 310S (0Cr25Ni20) and corrosion-resistant grades like 316L. All components are manufactured according to the precise chemical compositions listed above.

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