



CHEMICAL COMPOSITION REQUIREMENTS, %¹ FOR STAINLESS STEEL PLATES

UNS Designation ^e	Type ^c	Carbon ^b	Manganese	Phosphorus	Sulfur	Silicon	Chromium	Nickel	Molybdenum	Nitrogen	Copper	Other Elements ^f
AUSTENITIC (CHROMIUM-MANGANESE-NICKEL)												
N08904	904L ^a	0.020	2.00	0.045	0.035	1.00	19.00-23.00	23.00-28.00	4.0-5.0	0.10	1.0-2.0	...
S20200	202	0.15	7.50-10.0	0.060	0.030	1.00	17.00-19.00	4.00-6.00	...	0.25	...	...
S30100	301	0.15	2.00	0.045	0.030	1.00	16.00-18.00	6.00-8.00	...	0.10	...	...
S30200	302	0.15	2.00	0.045	0.030	1.00	17.00-19.00	6.00-10.00	...	0.10	...	...
S30400	304	0.08	2.00	0.045	0.030	0.75	18.00-20.00	8.00-10.50	...	0.10	...	...
S30403	304L	0.030	2.00	0.045	0.030	0.75	18.00-20.00	8.00-12.00	...	0.10	...	...
S30409	304H	0.045-0.10	2.00	0.045	0.030	0.75	18.00-20.00	8.00-10.50	...	...	...	...
S30453	304LN	0.030	2.00	0.045	0.030	0.75	18.00-20.00	8.00-12.00	...	0.10-0.16	...	...
S30908	309S	0.08	2.00	0.045	0.030	0.75	22.00-24.00	12.00-15.00	...	...	...	...
S31008	310S	0.08	2.00	0.045	0.030	1.50	24.00-26.00	19.00-22.00	...	...	...	...
S31009	310H ^e	0.04-0.10	2.00	0.045	0.030	0.75	24.00-26.00	19.00-22.00	...	...	...	...
S31600	316	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	...	...
S31603	316L	0.030	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	...	...
S31609	316H	0.04-0.10	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10	...	Ti 5 x (C+N) min, 0.70 max
S31635	316Ti ^o	0.08	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.0-3.0	0.10	...	...
S31653	316LN	0.030	2.00	0.045	0.030	0.75	16.00-18.00	10.00-14.00	2.00-3.00	0.10-0.16	...	...
S31700	317	0.08	2.00	0.045	0.030	0.75	18.00-20.00	11.00-15.00	3.00-4.00	0.10	...	...
S31703	317L	0.030	2.00	0.045	0.030	0.75	18.00-20.00	11.00-15.00	3.00-4.00	0.10	...	...
S31753	317LN ^e	0.030	2.00	0.045	0.030	0.75	18.00-20.00	11.00-15.00	3.00-4.00	0.10-0.22	...	...
S32100	321	0.08	2.00	0.045	0.030	0.75	17.00-19.00	9.00-12.00	...	0.10	...	...
S32109	321H	0.04-0.10	2.00	0.045	0.030	0.75	17.00-19.00	9.00-12.00	...	...	...	...
S34700	347	0.08	2.00	0.045	0.030	0.75	17.00-19.00	9.00-13.00	...	...	...	...
S34709	347H	0.04-0.10	2.00	0.045	0.030	0.75	17.00-19.00	9.00-13.00	...	...	...	...
S34800	348	0.08	2.00	0.045	0.030	0.75	17.00-19.00	9.00-13.00	...	...	...	...
S34809	348H	0.04-0.10	2.00	0.045	0.030	0.75	17.00-19.00	9.00-13.00	...	...	...	...
FERRITIC OR MARTENSITIC (CHROMIUM)												
S40500	405	0.08	1.00	0.040	0.030	1.00	11.50-14.50	0.60	...	...	...	...
S41000	410	0.15	1.00	0.040	0.030	1.00	11.50-13.50	0.75	...	...	...	...
S41008	410S	0.08	1.00	0.040	0.030	1.00	11.50-13.50	0.60	...	...	...	...
S42900	429 ^e	0.12	1.00	0.040	0.030	1.00	14.00-16.00	...	...	...	...	...
S43000	430	0.12	1.00	0.040	0.030	1.00	16.00-18.00	0.75	...	...	...	...
S43035	439	0.07	1.00	0.040	0.030	1.00	17.00-19.00	0.050	...	0.04	...	...
S44400	444	0.025	1.00	0.040	0.030	1.00	17.5-19.5	1.00	1.75-2.50	0.035	...	...