

Stainless Steel Chemical Composition

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	Steel Code	DIN	AISI	C	Si	Mn	Pmax	Smax	Cr	Ni	Mo	Ti	Others
AUSTENITIC	1.4310	X10CrNi18-8	301	0.05-0.15	≤1.00	≤2.00	0.045	0.015	16.00-18.00	6.00-8.00	-	-	-
	1.4301	X5CrNi18-10	304	≤0.070	≤0.75	≤2.00	0.045	0.015	18.00-19.00	8.00-10.00	-	-	-
	1.4301	X5CrNi18-10	304	≤0.070	≤0.75	≤2.00	0.045	0.015	17.50-19.00	8.00-10.00	-	-	-
	1.4307	X2CrNi18-9	304L	≤0.030	≤0.75	≤2.00	0.045	0.015	18.00-19.00	8.00-10.00	-	-	-
	1.4301	X5CrNi18-10	304	≤0.070	≤0.75	≤2.00	0.045	0.015	18.00-19.00	8.50-10.00	-	-	-
	1.4301	X5CrNi18-10	304 DDQ	≤0.070	≤0.75	≤2.00	0.045	0.015	17.50-19.00	8.50-10.00	-	-	-
	1.4307	X2CrNi18-9	304L	≤0.030	≤0.75	≤2.00	0.045	0.015	18.00-19.00	8.50-10.00	-	-	-
	1.4404	X2CrNiMo17-12-2	316L	≤0.030	≤0.75	≤2.00	0.045	0.015	16.50-18.00	10.00-13.00	2.0-2.5	-	-
	1.4401	X5CrNiMo17-12-2	316	≤0.070	≤0.75	≤2.00	0.045	0.015	16.50-18.00	10.00-12.00	2.0-2.5	-	-
	1.4432	X2CrNiMo17-12-3	316L	≤0.030	≤0.75	≤2.00	0.045	0.015	16.50-18.00	10.50-13.00	2.5-3.0	-	-
	1.4571	X6CrNiMoTi17-12-2	316Ti	≤0.080	≤0.75	≤2.00	0.045	0.015	16.50-18.00	10.00-12.50	2.0-2.5	5(C+N)-0.70	-
	1.4541	X6CrNiTi18-10	321	≤0.080	≤0.75	≤2.00	0.045	0.015	17.00-19.00	9.00-11.00	-	5(C+N)-0.70	-
	1.4833	X12CrNi23-13	309S	≤0.080	≤0.75	≤2.00	0.045	0.015	22.00-24.00	12.00-15.00	-	-	-
	1.4845	X8CrNi25-21	310S	≤0.080	≤0.75	≤2.00	0.045	0.015	24.00-26.00	19.00-21.00	-	-	-
FERRITIC	1.4000	X6Cr13	410S	≤0.080	≤1.00	≤1.00	0.040	0.015	11.50-13.50	-	-	-	-
	1.4016	X6Cr17	430	≤0.080	≤1.00	≤1.00	0.040	0.015	16.00-18.00	-	-	-	-
	1.4510	X3CrTi17	430Ti	≤0.050	≤1.00	≤1.00	0.040	0.015	16.00-18.00	-	-	0.15+4(C+N)-0.80	-
	1.4511	X3CrNb17	430Nb	≤0.050	≤1.00	≤1.00	0.040	0.015	16.00-18.00	-	-	-	Nb=0.3-0.6
	1.4113	X6CrMo17-1	434	≤0.080	≤1.00	≤1.00	0.040	0.015	16.00-18.00	-	0.9-1.25	-	-
	1.4513	X2CrMoTi17-1	-	≤0.025	≤1.00	≤1.00	0.040	0.015	16.00-18.00	-	0.8-1.4	0.30-0.60	-
	1.4512	X2CrTi12	409L	≤0.030	≤1.00	≤1.00	0.040	0.015	10.50-11.70	-	-	6(C+N)-0.65	-
	1.4509	X2CrTiNb18	-	≤0.030	≤1.00	≤1.00	0.040	0.015	17.50-18.50	-	-	0.10-0.60	Nb=(0.3+3C)-1.0
MARTENSITIC	1.4028	X30Cr13	420	0.28-0.35	≤1.00	≤1.00	≤0.040	≤0.015	12.50-14.00	-	-	-	-
	1.4034	X46Cr13	420	0.43-0.48	≤1.00	≤1.00	≤0.040	≤0.015	12.50-14.00	-	-	-	-
	1.4116	X50CrMoV15	420MoV	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
	1.4006	X12Cr13	410	0.08-0.15	≤1.00	≤1.00	≤0.040	≤0.015	11.50-13.50	-	-	-	-