

Grades	EN Name	EN Number	AISI / ASTM	C	Si	Mn	P max	S	N	Cr	Mo	Ni	Other	
Austenitic	X12CrMnNi17-7-5	1.4372	201	≤0.15	≤1.00	5.50 - 7.50	0.045	≤0.015	0.05 - 0.25	16.00 - 18.00		3.50 - 5.50		
	X12CrMnNi18-9-5	1.4373	202	≤0.15	≤1.00	7.50 - 10.50	0.045	≤0.015	0.05 - 0.25	17.00 - 19.00		4.00 - 6.00		
	X10CrNi18-8	1.4310	301	0.05 - 0.15	≤2.00	≤2.00	0.045	≤0.015	≤0.11	16.00 - 19.00	≤0.80	6.00 - 9.50		
			301L TM	≤0.030	≤1.00	≤2.00	0.045	≤0.030	≤0.20				6.00 - 8.00	
	X2CrNi18-7	1.4318	301LN	≤0.030	≤1.00	≤2.00	0.045	≤0.015	0.10 - 0.20	16.50 - 18.50		6.00 - 8.00		
			302 TM	≤0.15	≤0.75	≤2.00	0.045	≤0.030	≤0.10				8.00 - 10.00	
	X8CrNiS18-9 TM	1.4305 TM	303	≤0.10	≤1.00	≤2.00	0.045	0.15 - 0.35	≤0.11	17.00 - 19.00		8.00 - 10.00	Cu≤1.00	
	X5CrNi18-10	1.4301	304	≤0.07	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	17.50 - 19.50		8.00 - 10.50		
	X2CrNi18-10	1.4311	304LN	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	0.12 - 0.22	17.50 - 19.50		8.50 - 11.50		
	X6CrNi18-10	1.4948	304H	0.04 - 0.08	≤1.00	≤2.00	0.035	≤0.015 TM	≤0.11	17.00 - 19.00		8.00 - 11.00		
	X2CrNi18-9	1.4307	304L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	17.50 - 19.50		8.00 - 10.00		
	X2CrNi19-11	1.4306	304L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	18.00 - 20.00		10.00 - 12.00		
	X5CrNiNi19-9	1.4315	304N	≤0.06	≤1.00	≤2.00	0.045	≤0.015	0.12 - 0.22	18.00 - 20.00		8.00 - 11.00		
	X4CrNi18-12	1.4303	305	≤0.06	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	17.00 - 19.00		11.00 - 13.00		
	X15CrNiSi20-12	1.4828		≤0.20	1.50 - 2.50	≤2.00	0.045	≤0.015	≤0.11	19.00 - 21.00		11.00 - 13.00		
	X12CrNi23-13	1.4833	309S	≤0.15	≤1.00		0.045	≤0.015	≤0.11	22.00 - 24.00		12.00 - 14.00		
	X8CrNi25-21	1.4845	310S	≤0.10	≤1.50	≤2.00	0.045	≤0.015	≤0.11	24.00 - 26.00		19.00 - 22.00		
	X15CrNiSi25-21	1.4841	314	≤0.20	1.50 - 2.50	≤2.00	0.045	≤0.015	≤0.11	24.00 - 26.00		19.00 - 22.00		
	X5CrNiMo17-12-2	1.4401	316	≤0.07	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	16.50 - 18.50	2.00 - 2.50	10.00 - 13.00		
	X3CrNiMo17-13-3	1.4436	316	≤0.05	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	16.50 - 18.50	2.50 - 3.00	10.50 - 13.00		
			316H TM	≤0.08	≤0.75	≤2.00	0.045	≤0.030	0.10 - 0.16	16.00 - 18.00	2.00 - 3.00	10.00 - 14.00		
			316H TM	0.04 - 0.10	≤0.75	≤2.00	0.045	≤0.030		16.00 - 18.00	2.00 - 3.00	10.00 - 14.00		
	X2CrNiMo17-12-2	1.4404	316L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	16.50 - 18.50	2.00 - 2.50	10.00 - 13.00		
	X2CrNiMo18-14-3	1.4435	316L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	17.00 - 19.00	2.50 - 3.00	12.50 - 15.00		
	X4CrNiMo17-12-3	1.4432	316L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	16.50 - 18.50	2.50 - 3.00	10.50 - 13.00		
	X2CrNiMoSi17-11-2	1.4406	316LN	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	0.12 - 0.22	16.50 - 18.50	2.00 - 2.50	10.00 - 12.50		
	X2CrNiMoSi17-13-3	1.4429	316LN	≤0.030	≤1.00	≤2.00	0.045	≤0.015	0.12 - 0.22	16.50 - 18.55	2.50 - 3.00	11.00 - 14.00		
	X6CrNiMoTi17-12-2	1.4571	316Ti	≤0.08	≤1.00	≤2.00	0.045	≤0.015 TM		16.50 - 18.50	2.00 - 2.50	10.50 - 13.50	Ti: min: (5 x C); max: 0.70	
	X6CrNiMoNb17-12-2	1.4580	316Cb	≤0.08	≤1.00	≤2.00	0.045	≤0.015		16.50 - 18.50	2.00 - 2.50	10.50 - 13.50	Nb: min: (10 x C); max: 1.00	
			317 TM	≤0.08	≤0.75	≤2.00	0.045	≤0.030	≤0.10	18.00 - 20.00	3.00 - 4.00	11.00 - 15.00		
	X2CrNiMo18-15-4	1.4438	317L	≤0.030	≤1.00	≤2.00	0.045	≤0.015 TM	≤0.11	17.50 - 19.50	3.00 - 4.00	13.00 - 16.00		
	X2CrNiMoSi18-12-4	1.4434	317LN	≤0.030	≤1.00	≤2.00	0.045	≤0.015	0.10 - 0.20	16.50 - 19.50	3.00 - 4.00	10.50 - 14.00		
	X2CrNiMoSi17-13-5	1.4439	317LMN	≤0.030	≤1.00	≤2.00	0.045	≤0.015	0.12 - 0.22	16.50 - 18.50	4.00 - 5.00	12.50 - 14.50		
	X6CrNiTi18-10	1.4541	321	≤0.08	≤1.00	≤2.00	0.045	≤0.015 TM		17.00 - 19.00		9.00 - 12.00	Ti: min: (5 x C); max: 0.70	
	X8CrNiTi18-10	1.4878	321H	≤0.10	≤1.00	≤2.00	0.045	≤0.015		17.00 - 19.00		9.00 - 12.00	Ti: min: (5 x C); max: 0.80	
	X6CrNiNb18-10	1.4550	347	≤0.08	≤1.00	≤2.00	0.045	≤0.015		17.00 - 19.00		9.00 - 12.00	Nb: min: (10 x C); max: 1.00	
			347H TM	0.04 - 0.10	≤0.75	≤2.00	0.045	≤0.015		17.00 - 19.00		9.00 - 12.00	Nb: min: (8 x C); max: 1.00	
	X1CrNi25-21	1.4335		≤0.20	≤0.25	≤2.00	0.025	≤0.010	≤0.11	24.00 - 26.00	≤0.20	20.00 - 22.00		
	X1CrNiMoSi25-22-2	1.4466	310MoLN	≤0.020	≤0.70	≤2.00	0.025	≤0.010	0.10 - 0.16	24.00 - 26.00	2.00 - 2.50	21.00 - 23.00		
	X1CrNiSi18-15-4	1.4361		≤0.015	3.70 - 4.50	≤2.00	0.025	≤0.010	≤0.11	16.50 - 18.50	≤0.20	14.00 - 16.00		
	X1NiCrMoCu31-27-4	1.4563		≤0.020	≤0.70	≤2.00	0.03	≤0.010	≤0.11	26.00 - 28.00	3.00 - 4.00	30.00 - 32.00	Cu:0.70 - 1.50	
	X1NiCrMoCu25-20-5	1.4539	904L	≤0.020	≤0.70	≤2.00	0.03	≤0.010	≤0.15	19.00 - 21.00	4.00 - 5.00	24.00 - 26.00	Cu:1.20 - 2.00	
	X1CrNiMoCuNi20-18-7 TM	1.4547		≤0.020	≤0.70	≤1.00	0.03	≤0.010	0.18 - 0.25	19.50 - 20.50	6.00 - 7.00	17.50 - 18.50	Cu:0.50 - 1.00	
	X1NiCrMoCuNi25-20-7	1.4529		≤0.020	≤0.50	≤1.00	0.03	≤0.010	0.15 - 0.25	19.00 - 21.00	6.00 - 7.00	24.00 - 26.00	Cu:0.50 - 1.50	
	X12NiCrSi35-16	1.4864	330	≤0.015	1.00 - 2.00	≤2.00	0.045	≤0.015	≤0.11	15.00 - 17.00		33.00 - 37.00		
	X9CrNiSiNiCe21-11-2	1.4835		0.05 - 0.12	1.40 - 2.50	≤1.00	0.045	≤0.015	0.12 - 0.20	20.00 - 22.00		10.00 - 12.00	Ce:0.03 - 0.08	
	X10NiCrAlTi32-21	1.4876		≤0.12	≤1.00	≤2.00	0.03	≤0.015		19.00 - 23.00		30.00 - 34.00	Al:0.15 - 0.60; Ti:0.15 - 0.60	
	X6NiCrNbCe32-27	1.4877		0.04 - 0.08	≤0.30	≤1.00	0.02	≤0.010	≤0.11	26.00 - 28.00		31.00 - 33.00	Al:0.025; Ce:0.05 - 0.10; Nb:0.60 - 1.00	
	X6CrNiSiNiCe19-10	1.4818		0.04 - 0.08	1.00 - 2.00	≤1.00	0.045	≤0.015	0.12 - 0.20	18.00 - 20.00		9.00 - 11.00	Ce:0.03 - 0.08	
	X6NiCrSiNiCe35-25 TM	1.4854 TM		0.04 - 0.08	1.20 - 2.00	≤2.00	0.04	≤0.015	0.12 - 0.20	24.00 - 26.00		34.00 - 36.00	Ce:0.03 - 0.08	
	X8CrNiCuNi17-8-3 TM	1.4597 TM		≤0.10	≤2.00	6.50 - 8.50	0.04	≤0.030	0.15 - 0.30	16.00 - 18.00	≤1.00	≤2.00	Cu:2.00 - 3.50; B:0.0005 - 0.0050	
	X1CrNiMoCuNi24-22-8 TM	1.4652 TM		≤0.020	≤0.50	2.00 - 4.00	0.03	≤0.005	0.45 - 0.55	23.00 - 25.00	7.00 - 8.00	21.00 - 23.00	Cu:0.30-0.60	
X5CrNi17-7	1.4319		≤0.07	≤1.00	≤2.00	0.045	≤0.030	≤0.11	16.00 - 18.00		6.00 - 8.00			
X11CrNiMnNi19-8-6	1.4369		0.07 - 0.15	0.50 - 1.00	5.00 - 7.50	0.03	≤0.015	0.20 - 0.30	17.50 - 19.50		6.50 - 8.50			
X2CrMnNi17-7-5	1.4371		≤0.030	≤1.00	6.00 - 8.00	0.045	≤0.015	0.15 - 0.20	16.00 - 17.00		3.50 - 5.50			
X1CrNiMoCuNi25-25-5	1.4537		≤0.20	≤2.00		0.03	≤0.010	0.17 - 0.25	24.00 - 26.00	4.70 - 5.70	24.00 - 27.00	Cu:1.00-2.00		
X1CrNiMoCuNiW24-22-6	1.4659		≤0.020	≤0.70	2.00 - 4.00	0.03	≤0.010	0.35 - 0.50	23.00 - 25.00	5.50 - 6.50	21.00 - 23.00	Cu:1.00-2.00; W:1.50-2.50		
X2CrNiMnMoNi25-18-6-5	1.4565		≤0.030	≤1.00	5.00 - 7.00	0.03	≤0.015	0.30 - 0.60	24.00 - 26.00	4.00 - 5.00	16.00 - 19.00	Nb:0.15		
Duplex	X2CrNiMoSi22-5-3 TM	1.4462 TM	2205	≤0.030	≤1.00	≤2.00	0.035	≤0.015	0.10 - 0.22	21.00 - 23.00	2.50 - 3.50	4.50 - 6.50		
	X2CrNiSi23-4 TM	1.4362 TM	2304	≤0.030	≤1.00	≤2.00	0.035	≤0.015	0.05 - 0.20	22.00 - 24.00	0.10 - 0.60	3.50 - 5.50	Cu:0.10 - 0.60	
	X2CrNiMoSi25-7-4 TM	1.4410 TM	2507	≤0.030	≤1.00	≤2.00	0.035	≤0.015	0.24 - 0.35	24.00 - 26.00	3.00 - 4.50	6.00 - 8.00		
	X2CrNiMoCuNi25-6-3	1.4507	255	≤0.030	≤0.70	≤2.00	0.035	≤0.015	0.20 - 0.30	24.00 - 26.00	3.00 - 4.00	6.00 - 8.00	Cu:1.00 - 2.50	
	X2CrNiMoCuWNi25-7-4	1.4501		≤0.030	≤1.00	≤1.00	0.035	≤0.015	0.20 - 0.30	24.00 - 26.00	3.00 - 4.00	6.00 - 8.00	Cu:0.50 - 1.00; W: 0.50 - 1.00	
	X2CrNiMoSi18-5-3	1.4424		≤0.030	1.40 - 2.00	1.20 - 2.00	0.035	≤0.015	0.05 - 0.10	18.00 - 19.00	2.50 - 3.00	4.50 - 5.20		
	X2CrNiCu23-4	1.4655		≤0.030	≤1.00	≤2.00	0.035	≤0.015	0.05 - 0.20	22.00 - 24.00	0.10 - 0.60	3.50 - 5.50	Cu:1.00-3.00	
	X2CrNiMoNi29-7-2 TM	1.4477 TM		≤0.030	≤0.50	0.80 - 1.50	0.03	≤0.015	0.30 - 0.40	28.00 - 30.00	1.50 - 2.60	5.80 - 7.50	Cu:0.80	
	X6CrAl13	1.4002	405	≤0.08	≤1.00	≤1.00	0.04	≤0.015 TM		12.00 - 14.00			Al: 0.10 - 0.30	
	X2CrNi12	1.4003		≤0.030	≤1.00	≤1.50	0.04	≤0.015	≤0.030	10.50 - 12.50		0.30 - 1.00		
	X2CrTi12	1.4512	409	≤0.030	≤1.00	≤1.00	0.04	≤0.015		10.50 - 12.50			Ti: min: (6x(C+N)); max: 0.65	
	X6Cr13	1.4000	410S	≤0.08	≤1.00	≤1.00	0.04	≤0.015 TM		12.00 - 14.00				
			429 TM	≤0.12	≤1.00	≤1.00	0.04	≤0.030		14.00 - 16.00				
	X6Cr17													