

Technical information

Steel standard

Comparison table for different qualities and standards of stainless steel

EN STD	Avesta Sheffield	Sandvik Steel	Swedish standard	American standard AISI	UNS	German Standard DIN	Max C%	Typical composition (%)			Others	Rp 0,2 MPa	Rm MPa min-max
								Cr	Ni	Mo			
1.4310	310	12R10	2331	301	S30100	X12CrNi 17-7	0.15	17.0	8.0	-		190	490-690
1.4310	832H	-	2331	301	S30100	X12CrNi 17-7	0.15	17.0	8.0	-		190	490-690
1.4307	304L	3R12	2352	304L	S30403	-	0.030	18.5	9.5	-		200	500-640
1.4306	19-11 L	-	2352	304L	S30403	X2CrNi 19-11	0.030	18.0	10.5	-		190	460-640
1.4301	304	5R10	2333	304	S30400	X5CrNi 18-10	0.080	18.5	9.0	-		210	520-690
1.4311	304 HyProof	3R19	2371	304LN	S30453	X2CrNiN 18-10	0.030	18.5	9.5	-	N	250	540-740
-	18-8N	-	-	304N	S30451	-	0.050	18.5	8.5	-	N	240	550-
1.4541	18-10Ti	8R30	2337	321	S32100	X6CrNiTi 19-10	0.080	17.5	9.5	-	Ti	190	490-690
1.4550	18-10Nb	8R40	2338	347	S34700	X6CrNb 18-10	0.080	18.0	11.0	-	Nb+Ta	220	515-690
1.4303	18-12	-	-	305	S30500	X5CrNi 18-12	0.060	18.5	11.5	-	-	205	515-
1.4404	17-10-2L	3R65	2348	316L	S31603	X2CrNiMo 17-13-2	0.030	17.0	11.5	2.2	-	220	520-690
1.4401	17-10-2	5R60	2347	316	S31600	X5CrNiMo 17-12-2	0.060	17.0	11.0	2.2	-	220	520-690
1.4436	17-12-2.5	-	2343	316	-	-	0.040	17.0	11.0	2.7	-	-	-
1.4406	316 HyProof	-	-	316LN	S31653	X2CrNiMoN 17-12-2	0.030	17.5	11.0	2.2	N	205	515-
1.4571	17-11-2Ti	8R70	2350	316Ti	S31635	X6CrNiMoTi 17-12-2	0.080	17.0	11.0	2.2	Ti	220	490-690
1.4435	316L HyMo	3R65	2353	316L	S31605	X2CrNiMo 17-14-3	0.030	17.0	11.0	2.7	-	200	490-750
1.4432	18-13-13L	3R60	2353	316L	S31603	X2CrNiMo 18-14-3	0.030	17.0	13.0	2.7	-	200	490-750
1.4429	17-12-3LN	3R69	2375	316LN	S31653	X2CrNiMoN 17-13-3	0.030	17.5	11.5	2.7	N	270	580-800
1.4429	SKR-4	-	2375	316LN	S31653	X2CrNiMoN 17-13-3	0.030	17.5	10.5	2.9	N	270	580-800
1.4435	724L	-	2353	316L	S31603	X2CrNiMo 17-14-3	0.030	17.5	13.5	2.7	-	200	490-750
1.4438	317L	3R64	2367	317L	S31726	X2CrNiMo 18-16-4	0.030	17.5	13.5	3.2	-	210	490-750
1.4439	17-14-4LN	-	-	317LN	S31703	X2CrNiMoN 17-13-5	0.030	17.0	13.0	4.2	N	210	500-800
1.4539	904L	2RK65	2562	-	N08904	X2NiCrMoCu 25-20-5	0.020	20.0	25.0	4.5	Cu	220	500-750
1.4547	254SMO	254SMO	2378	-	S31254	-	0.020	20.0	18.0	6.1	N+Cu	300	650-850
1.4652	654SMO	-	-	-	S32654	-	0.020	24.0	22.0	7.3	N+Cu+Mn	430	750-
1.4362	SAF2304	SAF2304	2327	-	S32304	X2CrNiN 23-4	0.030	23.0	4.5	-	N	400	600-820
1.4460	25-5-1L	10RE51	2324	329	S32900	X8CrNiMo 27-5	0.030	25.0	5.5	1.5	N	400	590-800
1.4417	3RE60	3RE60	2376	-	S31500	X2CrNiMoSi 19-5	0.030	18.5	5.0	2.7	Si	380	680-880
1.4462	2205	SAF2205	2377	-	S31803	X2CrNiMo 22-5	0.030	22.0	5.5	3.0	-	450	500-880
1.4410	SAF2507	SAF2507	2328	-	S32750	-	0.030	25.0	7.0	4.0	N	550	800-1000