

## COMMON STAINLESS STEEL TYPES AND CHEMICAL COMPOSITIONS

ASTM	EN Material No.	Chemical Composition, % weight max.									
		C	Mn	Si	P	S	Cr	Ni	Mo	N	Other
<b>Ferritic Stainless Steels</b>											
409	1.4512	0.08	1.0	1.00	0.045	0.03	10.5-11.75	-	-	-	(6xC)Ti
430	1.4016	0.12	1.0	1.00	0.04	0.03	16.0-18.0	-	-	-	-
430Ti	(1.450)	0.10	1.0	1.00	0.04	0.03	16.0-19.5	0.75	-	-	(5xC)Ti
439	1.4510	0.07	1.0	1.00	0.04	0.03	17.0-19.0	0.5	-	-	0.2+4(C+N)Ti
<b>Martensitic Stainless Steels</b>											
410	1.4006	0.15	1.0	1.00	0.04	0.03	11.5-13.0	-	-	-	-
420	1.4021	0.15 min	1.0	1.00	0.04	0.03	12.0-14.0	-	-	-	-
440A	-	0.6-0.75	1.0	1.00	0.04	0.03	16.0-19.5	-	0.75	-	-
440C	1.4125	0.95-1.2	1.0	1.00	0.04	0.03	16.0-18.0	-	0.75	-	-
<b>Dublex Stainless Steels</b>											
2205	1.4462	0.03	2.0	1.0	0.03	0.02	21.0-23.0	4.5-6.5	2.5-3.5	0.08-0.2	-
329	1.4460	0.20	1.0	0.75	0.04	0.03	23.0-28.0	2.5-5.0	1.0-2.0	-	-
<b>Austenitic Stainless Steels</b>											
201	1.4372	0.15	5.5-7.5	1.00	0.06	0.03	16.0-18.0	3.5-5.5	-	0.25	-
301	1.4310	0.15	2.0	1.00	0.045	0.03	16.0-18.0	6.0-8.0	-	-	-
304	1.4301	0.08	2.0	1.00	0.045	0.03	18.0-20.0	8.0-10.5	-	-	-
304L	1.4306	0.03	2.0	1.00	0.045	0.03	18.0-20.0	8.0-12.0	-	-	-
304LN	1.4311	0.03	2.0	1.00	0.045	0.03	18.0-20.0	8.0-12.0	-	0.1-0.16	-
309	1.4828	0.20	2.00	1.00	0.045	0.03	22.0-24.0	12.0-15.0	-	-	-
309S	1.4833	0.08	2.00	1.00	0.045	0.03	22.0-24.0	12.0-15.0	-	-	-
310	1.4841	0.25	2.00	1.50	0.045	0.03	24.0-26.0	19.0-22.0	-	-	-
310S	1.4845	0.08	2.00	1.50	0.045	0.03	24.0-26.0	19.0-22.0	-	-	-
316	1.4401	0.08	2.00	1.00	0.045	0.03	16.0-18.0	10.0-14.0	2.0-3.0	-	-
316L	1.4404	0.03	2.00	1.00	0.045	0.03	16.0-18.0	10.0-14.0	2.0-3.0	-	-
316LN	1.4406	0.03	2.00	1.00	0.045	0.03	16.0-18.0	10.0-14.0	2.0-3.0	0.1-0.16	-
316Ti	1.4571	0.08	2.00	1.00	0.045	0.03	16.0-18.0	10.0-14.0	2.0-3.0	-	5x(C+N)Ti
321	1.4541	0.08	2.00	1.00	0.045	0.03	17.0-19.0	9.0-12.0	-	-	(5xC)Ti
347	1.4550	0.08	2.00	1.00	0.045	0.03	17.0-19.0	9.0-13.0	-	-	(10xC)Nb
<b>Hardenable Stainless Steels</b>											
631	1.4568	0.09	1.0	1.0	0.04	0.04	16.0-18.0	6.5-7.5	-	-	0.75-1.5 Al
632	1.4532	0.09	1.0	1.0	0.04	0.03	14.0-16.0	6.5-7.5	2.0-3.0	-	0.75-1.5 Al