

Material Conversion Chart

Material Code	Nominal Designation	Casting			Forged			Bar		
		ASTM	UNS	DIN	ASTM	UNS	DIN	ASTM	UNS	DIN
Carbon Steel										
WCB	C-Si	A216 WCB	J03002	1.0619	A105	—	1.0460	A105	—	1.0460
WC6	1 1/4Cr-1/2Mo	A217 WC6	J12072	1.7357	A182 F11 CL.2	K11572	1.7335	A182 F11 CL2	K11572	1.7335
WC9	2 1/4Cr-1Mo	A217 WC9	J21890	1.7379	A182 F22 CL.3	K21590	1.7380	A182 F22 CL3	K21590	1.7380
Austenitic Stainless Steel										
SS304	18Cr-8Ni	A351 CF8	J92600	1.4308	A182 F304	S30400	1.4301	A479 / A276 304	S30400	1.4301
SS304L	18Cr-8Ni (C ≤ 0.03%)	A351 CF3	J92700	1.4309	A182 F304L	S30403	1.4306	A479 / A276 304L	S30403	1.4306
SS316	18Cr-9Ni-2Mo	A351 CF8M	J92900	1.4408	A182 F316	S31600	1.4401	A479 / A276 316	S31600	1.4401
SS316L	18Cr-9Ni-2Mo (C ≤ 0.03%)	A351 CF3M	J92800	1.4409	A182 F316L	S31603	1.4404	A479 / A276 316L	S31603	1.4404
SS317	19Cr-11Ni-3.5Mo	A351 CG8M	J93000	—	A182 F317	S31700	1.4449	A479 / A276 317	S31700	1.4449
SS317L	19Cr-11Ni-3.5Mo (C ≤ 0.03%)	A351 CG3M	J92999	—	A182 F317L	S31703	1.4438	—	—	—
SS347	19Cr-10Ni-Cb	A351 CF8C	J92710	1.4552	A182 F347	S34700	1.4550	A479 / A276 347	S34700	1.4550
904L	21Cr-24Ni-6Mo -N-Cu	A351 CN3MN	J94651	—	A182 F904L	N08904	1.4539	B649	N08904	—
Alloy 20	29Ni-20.5Cr -3.5Cu-2.5Mo	A351 CN7M	N08007	1.4536	A182 F20	N08020	2.4660	B473	N08020	2.4660
Super Austenitic Stainless Steel										
254Mo (6Mo)	20Cr-18Ni-6.5Mo -N-Cu	A351 CK3MCuN	J93254	1.4547	A182 F44	S31254	1.4547	A479 / A276	S31254	1.4547
Nickel Based Alloy										
Monel 400	67Ni-30Cu-3.5Fe	A494 M35-1	N24135	2.4365	B564	N04400	2.4360	B164	N04400	2.4360
Hastelloy B2	63Ni-32Mo-3Fe	A494 N7M	N30007	2.4617	B462	N10665	2.4856	B335	N10665	2.4856
Hastelloy B3	64Ni-28Mo-5Fe	A494 N12MV	N30012	2.4882	B462	N10675	—	B335	N10675	—
Hastelloy C276	55Ni-16Cr-17Mo -6Fe-4W	A494 CW12MW	N30002	2.4686	B462	N10276	2.4819	B574	N10276	2.4819
Hastelloy C22	56Ni-21Cr-13Mo -4Fe-3W	A494 CX2MW	N26022	2.4602	B462	N06022	2.4602	B574	N06022	2.4602
Inconel 600	69Ni-15Cr-11Fe	A494 CY40	N06040	2.4816	B564	N06600	2.4816	B166	N06600	2.4817
Inconel 625	59Ni-22Cr-9Mo -3.5Cb	A494 CW6MC	N26625	2.4856	B564	N06625	2.4856	B446	N06625	2.4856
Duplex Stainless Steel										
1B	25Cr-5Ni-2Mo -3Cu-N	A995 CD4MCuN	J93372	1.4517	A182 F61	S32550	1.4507	A479 / A276	S32550	—
2A	24Cr-10Ni-3Mo-N	A995 CE8MN	J93345	—	A182 F60	S32205	—	A479 / A276	S32205	—
4A / 2205	22Cr-5Ni-3Mo-N	A995 CD3MN	J92205	1.4470	A182 F51	S31803	1.4462	A479 / A276	S31803	1.4462
Super Duplex Stainless Steel										
5A / 2507	25Cr-7Ni-4Mo-N	A995 CE3MN	J93404	—	A182 F53	S32750	—	A479 / A276	S32750	1.4410
6A	25Cr-7Ni-3Mo-N -Cu-W	A995 CD3MWCuN	J93380	1.4408	A182 F55	S32760	1.4501	A479 / A276	S32760	1.4460