

TABELA DE EQUIVALÊNCIAS DOS MATERIAIS

CARBON STEEL										
USA AISI/SAE	Germany		Japan JIS	U. K.		France AFNOR	Italy UNI	Spain UNE	Sweden SS	China GB
	W.-nr.	DIN		BS	EN					
A570.36	10.038	RSt.37-2	STKM 12A							
			STKM 12C	4360 40 C	–	E 24-2 Ne	–	–	1311	15
1015	10.401	C15	–	080M15	–	CC12	C15, C16	F.111	1350	15
1020	10.402	C22	–	050A20	2C	CC20	C20, C21	F.112	1450	20
								F.2111		
1213	10.715	9SMn28	SUM22	230M07	1A	S250	CF9SMn28	11SMn28	1912	Y15
12L13	10.718	9SMnPb28	SUM22L	–	–	S250Pb	CF9SMnPb28	11SMnPb28	1914	–
–	10.722	10SPb20	–	–	–	10PbF2	CF10Pb20	10SPb20	–	–
1215	10.736	9SMn36	–	240M07	1B	S300	CF9SMn36	12SMn35	–	Y13
12L14	10.737	9SMnPb36	–	–	–	S300Pb	CF9SMnPb36	12SMnP35	1926	–
1015	11.141	Ck15	S15C	080M15	32C	XC12	C16	C15K	1370	15
1025	11.158	Ck25	S25C	–	–	–	–	–	–	25
A572-60	1.890	StE380	–	4360 55 E	–	–	FeE390KG	–	2145	–
1035	10.501	C35	–	060A35	–	CC35	C35	F.113	1550	35
1045	10.503	C45	–	080M46	–	CC45	C45	F.114	1650	45
1140	10.726	35S20	–	212M36	8M	35MF4	–	F210G	1957	–
1039	11.157	40Mn4	–	150M36	15	35M5	–	–	–	40Mn
1335	11.167	36Mn5	SMn438(H)	–	–	40M5	–	36Mn5	2120	35Mn2
1330	11.170	28Mn6	SCMn1	150M28	14A	20M5	C28Mn	–	–	30Mn
1035	11.183	Cf35	S35C	060A35	–	XC38TS	C36	–	1572	35Mn
1045	11.191	Ck45	S45C	080M46	–	XC42	C45	C45K	1672	Ck45
1050	11.213	Cf53	S50C	060A52	–	XC48TS	C53	–	1674	50
1055	10.535	C55	–	070M55	9	–	C55	–	1655	55
1060	10.601	C60	–	080A62	43D	CC55	C60	–	–	60
1055	11.203	Ck55	S55C	070M55	–	XC55	C50	C55K	–	55
1060	11.221	Ck60	S58C	080A62	43D	XC60	C60	–	1678	60Mn
1095	11.274	Ck101	–	060A96	–	XC100	–	F.5117	1870	–
W1	11.545	C105W1	SK3	BW1A	–	Y105	C36KU	F.5118	1880	–
W210	11.545	C105W1	SUP4	BW2	–	Y120	C120KU	F.515	2900	–

STAINLESS STEEL (AUSTENITIC)										
USA AISI/SAE	Germany		Japan JIS	U. K.		France AFNOR	Italy UNI	Spain UNE	Sweden SS	China GB
	W.-nr.	DIN		BS	EN					
304L	14.306	X2CrNi1911	SUS304L	304S11	–	Z2CN18.10	X2CrNi18.11	–	2352	OCr19Ni10
								F.3551		
								F.3541		
304	14.350	X5CrNi189	SUS304	304S11	58E	Z6CN18.09	X5CrNi1810	F.3504	2332	OCr18Ni9
303	14.305	X12CrNiS188	SUS303	303S21	58M	Z10CNF18.09	X10CrNiS18.09	F.3508	2346	1Cr18Ni9MoZr
–	–	–	SUS304L	304C12	–	Z3CN19.10	–	–	2333	–
304L	14.306	X2CrNi189	SCS19	304S12	–	Z2CrNi1810	X2CrNi18.11	F.3503	2352	–
301	14.310	X12CrNi177	SUS301	–	–	Z12CN17.07	X12CrNi1707	F.3517	2331	Cr17Ni7
304LN	14.311	X2CrNiN1810	SUS304LN	304S62	–	Z2CN18.10	–	–	2371	–
316	14.401	X5CrNiMo1810	SUS316	316S16	58J	Z6CND17.11	X5CrNiMo1712	F.3543	2347	OCr17Ni11Mo2
–	14.308	G-X6CrNi189	SCS13	304C15	–	Z6CN18.10M	–	–	–	–
–	14.408	G-X6CrNiMo1810	SCS14	316C16	–	–	–	F.8414	–	–
–	14.581	G-X5CrNiMoNb1810	SCS22	318C17	–	Z4CNDNb1812M	XG8CrNiMo1811	–	–	–
316LN	14.429	X2CrNiMoN1813	SUS316LN	–	–	Z2CND17.13	–	–	2375	OCr17Ni13Mo
316L	14.404	–	–	316S13	–	Z2CND17.12	X2CrNiMo1712	–	2348	–
			SCS16							
316L	14.435	X2CrNiMo1812	SUS316L	316S13	–	Z2CND17.12	X2CrNiMo1712	–	2353	OCr27Ni12Mo3
316	14.436	–	–	316S13	–	Z6CND18-12-03	X8CrNiMo1713	–	2343, 2347	–
317L	14.438	X2CrNiMo1816	SUS317L	317S12	–	Z2CND19.15	X2CrNiMo1816	–	2367	OOCr19Ni13Mo
UNS V										
0890A	14.539	X1NiCrMo	–	–	–	Z6CNT18.10	–	–	2562	–
								F.3553		

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321	14.541	X10CrNiTi189	SUS321	321S12	58B	Z6CNT18.10	X6CrNiTi1811	F.3523	2337	1Cr18Ni9Ti
								F.3552		
347	14.550	X10CrNiNb189	SUS347	347S17	58F	Z6CNNb18.10	X6CrNiNb1811	F.3524	2338	1Cr18Ni11Nb
316Ti	14.571	X10CrNiMoTi1810	-	320S17	58J	Z6CNDT17.12	X6CrNiMoTi1712	F.3535	2350	Cr18Ni12Mo2Ti
318	14.583	X10CrNiMoNb1812	-	-	-	Z6CNDNb1713B	X6CrNiMoNb1713	-	-	Cr17Ni12Mo3Mb
309	14.828	X15CrNiSi2012	SUH309	309S24	-	Z15CNS20.12	X6CrNi2520	-	-	1Cr23Ni13
310S	14.845	X12CrNi2521	SUH310	310S24	-	Z12CN2520	X6CrNi2520	F.331	2361	OCr25Ni20
308	14.406	X10CrNi18.08	SCS17	-	58C	Z1NCDU25.20	-	F.8414	2370	-
-	14.418	X4CrNiMo165	-	-	-	Z6CND16-04-01	-	-	-	-
	14.568									
17-7PH	14.504	-	-	316S111	-	Z8CNA17-07	X2CrNiMo1712	-	-	-
NO8028						Z1NCDU31-27-03			2584	
S31254	14.563	-	-	-	-	Z1CNDU20-18-06AZ	-	-	2378	-
321	14.878	X12CrNiTi189	SUS321	321S32	58B, 58C	Z6CNT18.12B	X6CrNiTi18 11	F.3523	-	1Cr18Ni9Ti

GRAY CAST IRON

USA AISI/SAE	Germany		Japan JIS	U. K.		France AFNOR	Italy UNI	Spain UNE	Sweden SS	China GB
	W.-nr.	DIN		BS	EN					
-	-	-	-	-	-	-	-	-	100	-
No 20 B	-	GG 10	FC100	-	-	Ft 10 D	-	-	110	-
No 25 B	0.6015	GG 15	FC150	Grade 150	-	Ft 15 D	G15	FG15	115	HT150
No 30 B	0.6020	GG 20	FC200	Grade 220	-	Ft 20 D	G20	-	120	HT200
No 35 B	0.6025	GG 25	FC250	Grade 260	-	Ft 25 D	G25	FG25	125	HT250
No 40 B	-	-	-	-	-	-	-	-	-	-
No 45 B	0.6030	GG 30	FC300	Grade 300	-	Ft 30 D	G30	FG30	130	HT300
No 50 B	0.6035	GG 35	FC350	Grade 350	-	Ft 35 D	G35	FG35	135	HT350
No 55 B	0.6040	GG 40	-	Grade 400	-	Ft 40 D	-	-	140	HT400
A436 Type 2	0.6660	GGL NiCr202	-	L-NiCuCr202	-	L-NC 202	-	-	523	-