Extensive Material Chart

V	DI 3323 1	Non-allo	yed steel	ed steel About 0.15% C, Annealed ≤125 HB					
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
1.0037	St 37-2		4360 40 B	S235JR	E24-2	1311	Fe 360 B		
1.0038	St 37-3	A570.36	4360 40 C	S275J2G3	E28-3	1312	Fe 360 D FF		
1.0045	S 355 JR			S 1207	E36-2		Fe 510 BFN		
1.0050	St 50-2	A570 Gr. 50	4360 50 B	E 295	A50-2	2172	Fe 490		
1.0060	St 60-2	A572 Gr. 65	4360 55 E		A60-2	1650	Fe 60-2		
1.0114	S 235 J0		En 40C	S 235 J0	E24-3		Fe 360 CFN		
1.0143	S 275 J0			S 275 J0	E28-3	1414	Fe 430 C		
1.0144	St 44-3 N	A573 Gr. 81	4360 43C	S 275 J2 G3	E28-3	1412	Fe 430 D FF		
1.0149	Ro St 44-2		43C	S 275 J0 H		1412	Fe430C		
1.0301	C10	1010	045M10	C10	34C10, XC10		C10	F.1511	G101
1.0330	St 12		DC 01	Fe P01	DC 01/Fe P01	1142	Fe P01		
1.0335	DD13 (StW 24)	A622(1008)	HS3	D D 13	3C		FeP13		
1.0338	St 4	A620(1008)	14491CR	Fe P04	Fe 14	1147	DC04/FeP04		
1.0345	P235 GH	A516 Gr. 65	P 235 GH	P 235 GH	A 37 CP	1330	Fe E 235		K025
1.0401	C15	1015	080M15		C18RR, XC18	1350	C15, C16	F.1110	G101
1.0402	C22	1020	050 A 20	1 C 22	C20	1450	C 20	F.1120	G102
1.0425	P265GH/H11				A42CP	1430	Fe4101KW		K028
1.0443		A2765-35	A1		E23-45M	1305			
1.0539	\$355NH				TSE355-4	2134	Fe510B		
1.0545			4360-50E		E355R	2334	FeE355KG		
1.0546	\$355NL		4360-50EE		E355FP	2135	FeE355KT		
1.0547	S355J0H		4360-50C		TSE355-3	2172	Fe510C		
1.0549	S355NLH					2135	Fe510D		
1.0533	St52-3U	A14880-10	4360-50C		320-560M	1606	Fe510C		
1.0562	StE355	A633 Gr.C	P355N		FeE355KGN	2132	FeE355KG		K120
1.0565	WStE355		P355NH		P355NH	2106	FeE355KGW		K016
1.0566	T St E 355		P 355 NL1		P 355 NL1	2107	Fe E 355 KT		
1.0570	St 52-3	1	4360-50 C	S355JR	E36-3	2172	Fe 510 B		
1.0715	9SMn28	1213	230M07	0000011	S250	1912	CFSMn28	F.2111	G121
1.0718	9SMnPb28	12L13	20011101		S250Pb	1914	CF9SMnPb28	F.2112	G121
1.0721	10S20	1108	10S20		10S20	1014	CF10S20	F.2121	G110
1.0722	10SPb20	11L08			10PbF2		CF10SPb20		G110
1.0736	9SMn36	1215			S300		CF9Mn36	F.2113	G121
1.0737	9SMnPb36	12L14			S300Pb	1926	CF9SMnPb36	F.2114	G121
1.0972	S315MC		1501-40F30		E315D	1020	51 5514III- 000	1.21.14	0.21
1.0976	S355MC		1501-43F35		E355D	2642	FeE355TM		
1.0982	S460MC		1501-43F35		20000	2042	0200011		
1.0984	S500MC		1001-001-40		E490D	2662	FeE490TM		
1.0986	S500MC		1501-60F55		E560D	2002	FeE560TM		
1.1121	Ck10	1010	040A10		XC10	1265	C10	F.1510	G101
	Ck10 Ck15	1010		32C		1370	C10	F.1110	
1.1141			040A15	320	XC15				G101
1.1151	C22E	1020	055M15		2C22	1450	C20	F.1120	G102
1.8900	StE380	A572-60	436055E			2145	FeE390KG		
	St44-2	A36	436043A		NFA35-501E28	1411			
	StE320-3Z		1501160			1421			

	1 3323 2	Non-allo	yed steel	,	About 0.45% C,	Annea	ed	≤13 ≤19	
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	l
1.0501	C35	1035	080A32		1C35	1572	C35	F.113	G1
1.0503	C45	1045	060A47		XC42H1TS	1672	C45	F.114	G1
1.0511	C40	1040	080M40		1C40		C40	F.114.A	G1
1.0540	C50					1674	C50		G1
1.0551	GS-52	A2770-36	A2		280-480M	1505			
1.0553	St52-3U	A14880-40	4360-50C		320-560M	1606	Fe510C		
1.0577	S 355 J 2 G 4	A738	Fe 510 D 2 FF		A52FP	2107			
1.0726	35S20	1140	212M36	8M	35MF6	1957			G1
1.0727	45S20	1146			45MF4	1973			G1
1.1157	40Mn4	1039	150M36	15	40M5				G1
1.1158	C25E	1025	070M25		XC25		C25	F.1120	G1
1.1166	34Mn5	1536						то.в	G1
1.1167	36Mn5	1335	150M36		40M5	2120	36Mn6	F.1203	G1
1.1170	28Mn6	1330	150M28	14A	20M5		C28Mn	28Mn6	G1
1.1178	C30E		080M30		XC32		C30	2C30	G1
1.1180	C35R	1035	080A35		3C35	1572		F. 1135	G1
1.1181	C35E	1035	080A35		XC38	1572	C36	F. 1130	G1
1.1191	Ck45	1045	080A46		XC45	1672	C45	F. 1140	
1.1206	C50E	1050	080M50		2C50	1674	C50		G1
1.1213	Cf53	1050	070M55		XC48HTS	1674	C53		G1
VD	1 3323 3	Non-allo	yed steel		About 0.45% C,	Annea	ed	≤25	
								≤25	0 H
		AISI/ASTM/					1.15.11		
W. Nr	DIN	SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	
W. Nr 1.0481	DIN 17 Mn 4/P 295 GH		ES 224-460B	P 295 GH	AFNOR A 48 CP	SS 2102	Fe E 295	A47RCI	
		SAE							KO
1.0481	17 Mn 4/P 295 GH	SAE A516 Gr. 70	224-460B		A 48 CP	2102	Fe E 295	A47RCI	K0 G1
1.0481 1.0501	17 Mn 4/P 295 GH C35	SAE A516 Gr. 70 1035	224-460B 080A32		A 48 CP 1C35	2102 1572	Fe E 295 C35	A47RCI F.1130	K0 G1 G1 G1
1.0481 1.0501 1.0503	17 Mn 4/P 295 GH C35 C45	SAE A516 Gr. 70 1035 1045	224-460B 080A32		A 48 CP 1C35 XC42H1TS	2102 1572	Fe E 295 C35	A47RCI F.1130	K0 G1 G1
1.0481 1.0501 1.0503 1.0614	17 Mn 4/P 295 GH C35 C45 C76D	SAE A516 Gr. 70 1035 1045 1074	224-460B 080A32		A 48 CP 1C35 XC42H1TS XC75	2102 1572	Fe E 295 C35 C45	A47RCI F.1130	K0 G1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616	17 Mn 4/P 295 GH C35 C45 C76D C86D	SAE A516 Gr. 70 1035 1045 1074 1086	224-460B 080A32		A 48 CP 1C35 XC42H1TS XC75 XC80	2102 1572	Fe E 295 C35 C45	A47RCI F.1130	K0 G1 G1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D	SAE A516 Gr. 70 1035 1045 1074 1086 1095	224-460B 080A32 060A47	P 295 GH	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90	2102 1572 1672	Fe E 295 C35 C45	A47RCI F.1130	K0 G1 G1 G1 G1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140	224-460B 080A32 060A47 212M36	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6	2102 1572 1672	Fe E 295 C35 C45	A47RCI F.1130	K0 G1 G1 G1 G1 G1 G1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039	224-460B 080A32 060A47 212M36 150M36	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5	2102 1572 1672	Fe E 295 C35 C45 C85	A47RCI F.1130 F.1140	K0 G1 G1 G1 G1 G1 G1 G1 K1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036	224-460B 080A32 060A47 212M36 150M36 120M36	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5	2102 1572 1672 1957	Fe E 295 C35 C45 C85 30Mn5	A47RCI F.1130 F.1140 F.8211	K0 G1 G1 G1 G1 G1 G1 G1 K1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165 1.1167	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5 36Mn5	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335	224-460B 080A32 060A47 212M36 150M36 120M36 150M36	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5	2102 1572 1672 1957	Fe E 295 C35 C45 C85 30Mn5 36Mn6	A47RCI F.1130 F.1140 F.8211	K0 G1 G1 G1 G1 G1 G1 G1 K1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165 1.1167 1.1186	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5 36Mn5 C40E	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335 1040	224-460B 080A32 060A47 212M36 150M36 120M36 150M36 060A40	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5 2C40	2102 1572 1672 1957 2120	Fe E 295 C35 C45 C85 30Mn5 36Mn6 C40	A47RCI F.1130 F.1140 F.8211 F.8211	K0 G1 G1 G1 G1 G1 G1 G1 K1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165 1.1165 1.1167 1.1186 1.1191	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5 36Mn5 C40E Ck45	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335 1040 1045	224-460B 080A32 060A47 212M36 150M36 120M36 150M36 060A40 080M46	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5 2C40 2C45	2102 1572 1672 1957 2120 1672	Fe E 295 C35 C45 C85 30Mn5 36Mn6 C40 C45	A47RCI F.1130 F.1140 F.8211 F.8211 F.1203 F.1140	K0 G1 G1 G1 G1 G1 G1 G1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165 1.1167 1.1186 1.1191 1.1201	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5 36Mn5 C40E C40E C45R	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335 1040 1045 1049	224-460B 080A32 060A47 212M36 150M36 120M36 150M36 060A40 080M46 080M46	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5 2C40 2C45 3C45	2102 1572 1672 1957 2120 1672 1660	Fe E 295 C35 C45 C85 30Mn5 36Mn6 C40 C45 C45	A47RCI F.1130 F.1140 F.8211 F.8211 F.1203 F.1140	K0 G1 G1 G1 G1 G1 G1 K1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1165 1.1165 1.1167 1.1186 1.1191 1.1201	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S 20 40Mn4 30Mn5 30Mn5 C40E C40E C40E C45R C45R	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335 1040 1045 1049	224-460B 080A32 060A47 212M36 150M36 120M36 150M36 060A40 080M46 080M46	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5 2C40 2C45 3C45	2102 1572 1672 1957 2120 1672 1660	Fe E 295 C35 C45 C85 30Mn5 36Mn6 C40 C45 C45	A47RCI F.1130 F.1140 F.8211 F.8211 F.1203 F.1140	K0 G1 G1 G1 G1 G1 G1 K1 G1 G1
1.0481 1.0501 1.0503 1.0614 1.0616 1.0618 1.0726 1.1157 1.1167 1.1167 1.1186 1.1191 1.1201 1.1213 1.7242	17 Mn 4/P 295 GH C35 C45 C76D C86D C92D 35S20 40Mn4 30Mn5 36Mn5 C40E C445 C445 C445 C45R Cf53 18CrMo4	SAE A516 Gr. 70 1035 1045 1074 1086 1095 1140 1039 1036 1335 1040 1045 1049 1050	224-460B 080A32 060A47 212M36 150M36 120M36 150M36 060A40 080M46 080M46	P 295 GH 8M	A 48 CP 1C35 XC42H1TS XC75 XC80 XC90 35MF6 40M5 35M5 40M5 2C40 2C45 3C45	2102 1572 1672 1957 2120 1672 1660	Fe E 295 C35 C45 C85 C85 30Mn5 36Mn6 C40 C45 C45 C45 C53	A47RCI F.1130 F.1140 F.8211 F.8211 F.1203 F.1140	K0 G1 G1

V	DI 3323 4	Non-allo	yed steel	4	About 0.75% C,	Annea	led		HRc) HB
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
1.0603	C67	107	080A67		XC65		C67		G1070
1.0605	C75	1075	144980HS				C75		G1074
1.1203	Ck55	1055	060A57		2C55	1655	C55	F.1150	G1055
1.1209	C55R	1055	070M55		3C55		C55	F.1155	G1055
1.1221	Ck60	1060	060A62	43D	2C60	1678	C60	F.1150	G1064
1.1231	C67E	1070	060A67		XC68	1770	C70	F.5103	G1070
1.1248	C75E	1074	060A78		XC75	1774	C75	F.5107	G1080
1.1269	C85E	1086			XC90		C90		G1090
1.1274	Ck101	1095	060A96	C100S	XC100	1870	C100	F.5117	G109
1.1545	C105W1	W1	BW2	C105U	Y1105	1880	C100KU	F.5118	
1.1663	C125W	W112			Y2120				
V	DI 3323 5	Non-allo	yed steel	About 0	.75% C, Queno	ched &	Tempered	≤32 ≤300	
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
1.0070	St70-2	1055	Fe690-2FN		A70-2	1655	Fe690	F.1150	
1.0535		1055	070M55		1C55	1655	C55		J0500
1.0601	C60	1060	060A62	43D	1C60		C60		G106
1.1203	Ck55	1055	060A57		2C55	1655	C55	F.1150	G105
1.1221	Ck60	1060	060A62	43D	2C60	1678	C60	F.1150	G106
1.1274	Ck101	1095	060A96	C100S	XC100	1870	C100	F.5117	G109
1.1545		W1	BW2	C105U	Y1105	1880	C100KU	F.5118	
1.1663	C125W	W112			Y2120				
1.5120									
1.5710		3135	640A35	111A	35NC6				
1.7701	51CrMoV4						51CrMoV4		
v	DI 3323 6	Low-allo	yed steel	1	Anneal	ed		≤10	
			1					≤180) HB
W. Nr	E STATE	AISI/ASTM/							
		AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
1.0116	St37-3	A570Gr.36	4360-40C	S235J2G3	E24-3	1312	Fe360D1(2)	AE235D	
1.0904	St37-3 55Si7	SAE A570Gr.36 9255			E24-3 55S7		Fe360D1(2) 55Si8	AE235D 56Si7	G925
1.0904 1.0961	St37-3 55Si7 60SiCr7	SAE A570Gr.36 9255 9262	4360-40C 250A53	S235J2G3	E24-3 55S7 60SC6	1312	Fe360D1(2)	AE235D 56Si7 60SiCr8	G925
1.0904 1.0961 1.2067	St37-3 55Si7 60SiCr7 100Cr6	SAE A570Gr.36 9255 9262 L3	4360-40C	S235J2G3	E24-3 55S7	1312 2085	Fe360D1(2) 55Si8 60SiCr8	AE235D 56Si7	G925
1.0904 1.0961 1.2067 1.2108	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5	SAE A570Gr.36 9255 9262 L3 L1	4360-40C 250A53	S235J2G3	E24-3 55S7 60SC6 Y100C6	1312	Fe360D1(2) 55Si8 60SiCr8 105WCR5	AE235D 56Si7 60SiCr8 100Cr6	G925
1.0904 1.0961 1.2067 1.2108 1.2210	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3	SAE A570Gr.36 9255 9262 L3	4360-40C 250A53	S235J2G3	E24-3 55S7 60SC6	1312 2085	Fe360D1(2) 55Si8 60SiCr8	AE235D 56Si7 60SiCr8	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4	SAE A570Gr.36 9255 9262 L3 L1 L2	4360-40C 250A53 BL3	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3	1312 2085 2092	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU	AE235D 56Si7 60SiCr8 100Cr6	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4	SAE A570Gr.36 9255 9262 L3 L1	4360-40C 250A53 BL3 708A37	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4	1312 2085 2092 2234	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4	AE235D 56Si7 60SiCr8 100Cr6	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6	SAE A570Gr.36 9255 9262 L3 L1 L2 4135	4360-40C 250A53 BL3 708A37 105WC13	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13	1312 2085 2092 2234 2140	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6	AE235D 56Si7 60SiCr8 100Cr6 F.250L	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4	SAE A570Gr.36 9255 9262 L3 L1 L2 4135 01	4360-40C 250A53 BL3 708A37 105WC13 B01	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4	1312 2085 2092 2234 2140 2140	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU	AE235D 56Si7 60SiCr8 100Cr6	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510 1.2542	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 45WCrV7	SAE A570Gr.36 9255 9262 L3 L1 L2 4135 01 S1	4360-40C 250A53 BL3 708A37 105WC13	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5	1312 2085 2092 2234 2140 2140 2710	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L	UN: G9253 G9263
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510 1.2550	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 45WCrV7 60WCrV7	SAE A570Gr.36 9255 9262 L3 L1 4135 01 S1 S1	4360-40C 250A53 BL3 708A37 105WC13 B01	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5	1312 2085 2092 2234 2140 2140	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510 1.2542 1.2550 1.2713	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 45WCrV7 60WCrV7 55NiCrMoV6	SAE A570Gr.36 9255 9262 L3 L1 4135 01 S1 S1 L6	4360-40C 250A53 BL3 708A37 105WC13 B01	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5 55WC20 55NCDV7	1312 2085 2092 2234 2140 2140 2710 2710	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L F.5220	G925
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2542 1.2550 1.2713 1.2721	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 45WCrV7 50NiCr13	SAE A570Gr.36 9255 9262 L3 L1 4135 01 S1 S1 L6 L6	4360-40C 250A53 BL3 708A37 105WC13 B01 BS1	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5 55WC20 55NCDV7 55NCV6	1312 2085 2092 2234 2140 2140 2710	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L	G925 G926
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510 1.2550 1.2713 1.2721 1.2842	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 45WCrV7 60WCrV7 55NiCrMoV6 50NiCr13 90MnCrV8	SAE A570Gr.36 9255 9262 L3 L1 L2 4135 01 S1 L6 L6 02 02	4360-40C 250A53 BL3 708A37 105WC13 B01	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5 55WC20 55NCDV7	1312 2085 2092 2234 2140 2140 2710 2710	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L F.5220	G925 G926
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2542 1.2550 1.2713 1.2721 1.2842 1.3501	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 60WCrV7 55NiCrMoV6 50NiCr13 90MnCrV8 100Cr2	SAE A570Gr.36 9255 9262 L3 L1 L2 A135 S1 S1 L6 L6 Q2 S2 Q2 E50100	4360-40C 250A53 BL3 708A37 105WC13 B01 BS1 B02	S235J2G3 45	E24-3 55S7 60SC 6 Y100C6 100C3 34CD4 105WC13 90MWCV5 55WC20 55NCDV7 55NCDV7 55NCV6 90MV8	1312 2085 2092 2234 2140 2710 2710 2550	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU 58WCr9KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L F.5220 F.5220 F.528	G925 G926
1.0904 1.0961 1.2067 1.2108 1.2210 1.2241 1.2330 1.2419 1.2510 1.2550 1.2550 1.2713 1.2721 1.2842	St37-3 55Si7 60SiCr7 100Cr6 90CrSi5 115CrV3 51CrV4 35CrMo4 105WCr6 100MnCrW4 60WCrV7 55NiCrMoV6 50NiCr13 90MnCrV8 100Cr2	SAE A570Gr.36 9255 9262 L3 L1 L2 4135 01 S1 L6 L6 02 02	4360-40C 250A53 BL3 708A37 105WC13 B01 BS1	S235J2G3	E24-3 55S7 60SC6 Y100C6 100C3 34CD4 105WC13 90MWCV5 55WC20 55NCDV7 55NCV6	1312 2085 2092 2234 2140 2140 2710 2710	Fe360D1(2) 55Si8 60SiCr8 105WCR5 107CrV3KU 35CrMo4 10WCr6 95MnWCr5KU 45WCrV8KU	AE235D 56Si7 60SiCr8 100Cr6 F.250L F.5220	G925

VD	1 3323 6	Low-allo	yed steel		Anneal	ed			HRc) HB
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
1.5025	51Si7	9259H		50 Si7	51S7	2090	50Si7	F.1450	
1.5026	55Si7			56 Si7	55S7	2085	55Si7	F.1440	G925
1.5027	60Si7	9260	251A60	60Si7	60S7		60Si7	F.1441	G926
1.5028	65Si7	9260 H							
1.5415	15Mo3	A204Gr.A	1503-243B		15D3	2912	16Mo3(KG)	F.2601	K118
1.5419	20Mo4	4419	1503-243-430			2512	G20Mo5		G441
1.5423	16Mo5	4520	1503-245-420				16Mo5(KG)	F.2602	K115
1.5622	14Ni6	A350-LF5			16N6		14Ni6(KG)	F.2641	
1.5732	14NiCr10	3415			14NC11		16NiCr11		
1.5752	14NiCr14	3310	655M13	36A	12NC15				
1.6511	36NiCrMo4	9840	816M40	110	40NCD3		36NiCrMo4(KB)		
1.6523	21NiCrMo2	8620	805M20	362	20NCD2	2506	20NiCrMo2		
1.6546	40NiCrMo2-2	8740	311-Type7				40NiCrMo2(KB)		
1.6566	17NiCrMo6-4								
1.6587	17NiCrMo6		820A16		18NCD6		14NiCrMo13		
1.6657	10NiCrMo13-4						14NiCrMo131		
1.7015	10Cr3	5015	523M15		12C3				G501
1.7033	34Cr4	5132	530A32	18B	32C4		34Cr4(KB)		G513
1.7035	41Cr4	5140	530M40	18	42C4	2245	41Cr4		G514
1.7131	16MnCr5	5115	527M17		16MC5	2511	16MnCr5		G511
1.7139	16MnCrS5					2127			
1.7176	55Cr3	5155	527A60	48	55C3	2253	55Cr3		
1.7218	25CrMo4	4130	CDS110		25CD4	2225	25CrMo4(KB)		
1.7220	34CrMo4	4135	708A37		35CD4	2234	34CrMo4		
1.7223	41CrMo4	4142					41CrMo4		
1.7225	42CrMo4	4140	708M40	42CrMo4	42CD4	2244	42CrMo4	F. 1252	
1.7228	55NiCrMoV6G		823M30	33		2512	655M31		
1.7262	15CrMo5				12CD4	2216	12CrMo4		
1.7321	20CrMo4					2625			
1.7335	13CrMo4-4	A182-F11	1501-620		15CD4-5	2216	14CrMo45		
1.7361	32CrMo12		722M24	40B	30CD12	2240	30CrMo12	F.124A	
1.7380	10CrMo9-10	A182-F22	1501-622		12CD9-10	2218	12CrMo9		
1.7715	14MoV6-3		1503-660-440		1202010		13MoCrV6		
1.8159	50CrV4	6150	735A50	47	50CrV4	2230	50CrV4		G615
1.8161	58CrV4	5.00			500.11		300.11		0010
1.8509	41CrAIMo7	A355A	905M39	41B	40CAD6-12	2940	41CrAIMo7		
1.8523	39CrMoV13-9		897M39	40C	10012012	2010	36CrMoV12		
1.0020			00111100	400			00011110112	<20	HRc
VD	01 3323 7	Low-allo	yed steel		Quenched & 1	empere	d		5 HB
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
1.5415	15Mo3	A204Gr.A	1503-243B		15D3	2912	16Mo3(KG)	F.2601	K118
1.5423	16Mo5	4520	1503-245-420				16Mo5(KG)	F.2602	K115
1.5622	14Ni6	A350-LF5			16N6		14Ni6(KG)	F.2641	
1.5732	14NiCr10	3415			14NC11		16NiCr11		
1.5752	14NiCr14	3310	655M13	36A	12NC15				
1.5755	31NiCr14		653M31		18NC13	2534		F.1270	

	≤29 ≤275	d	empere	Quenched & T		yed steel	Low-allo	1 3323 7	VD
UN	UNE/IHA	UNI	SS	AFNOR	EN	BS	AISI/ASTM/ SAE	DIN	W. Nr
		35NiCrMo6(KB)	2541	35NCD6	24	817M40	4340	40NiCrMo6	1.6565
		14NiCrMo13		18NCD6		820A16		17NiCrMo6	1.6587
		14NiCrMo131						10NiCrMo13-4	1.6657
								26NiCrMoV14-5	1.6957
G501				12C3		523M15	5015	10Cr3	1.7015
		12CrMo4	2216	12CD4				15CrMo5	1.7262
		14CrMo45	2216	15CD4-5		1501-620	A182-F11	13CrMo4-4	1.7335
		12CrMo9	2218	12CD9-10		1501-622	A182-F22	10CrMo9-10	1.7380
		13CrMoV6				1503-660-440		14MoV6-3	1.7715
		21CrMoV511		20CDV6				24CrMoV55	1.7733
								GS-45CrMoV10-4	1.7755
		35NiCr9						21CrMoV511	1.8070
HRc		d	empere	Quenched & T	I	yed steel	Low-allo	I 3323 8	VD
нв	≤300					,			
UN	UNE/IHA	UNI	SS	AFNOR	EN	BS	AISI/ASTM/ SAE	DIN	W. Nr
				XC48			C45W	C45W3	1.1730
		42CrMo4	2244	42CD4	19A	708M40	4142	47CrMo4	1.2332
				30NC11			3435	36NiCr10	1.5736
		20NiCrMo2	2506	20NCD2	362	805M20	8620	21NiCrMo2	1.6523
G513		34Cr4(KB)		32C4	18B	530A32	5132	34Cr4	1.7033
		25CrMo4(KB)	2225	25CD4		CDS110	4130	25CrMo4	1.7218
	F.124A	32CrMo12	2240	30CD12	40B	722M24		32CrMo12	1.8515
				Quenched & T		yed steel	Low-allo	I 3323 9	VD
HRc) HB		d	empere	quenence a r					
	≤38 ≤350 UNE/IHA	d UNI	ss	AFNOR	EN	BS	AISI/ASTM/ SAE	DIN	W. Nr
) HB	≤350				EN 45	BS 250A3		DIN 55Si7	W. Nr 1.0904
	≤350	UNI	SS	AFNOR			SAE		
O HB UN G925	≤350	UNI 55Si8	SS	AFNOR 55S7			SAE 9255	55Si7	1.0904
O HB UN G925	≤350	UNI 55Si8 60SiCr8	SS	AFNOR 55557 605C6		250A3	SAE 9255 9262	55Si7 60SiCr7	1.0904 1.0961
O HB UN G925	≤350	UNI 55Si8 60SiCr8 100Cr6	SS 2085	AFNOR 55557 605C6 Y100C6		250A3 BL3	SAE 9255 9262	55Si7 60SiCr7 100Cr6	1.0904 1.0961 1.2067
O HB UN G925	≤350	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140	AFNOR 55557 605C6 Y100C6		250A3 BL3 105WC13	SAE 9255 9262 L3	5553i7 60SiCr7 100Cr6 105WCr6	1.0904 1.0961 1.2067 1.2419
O HB UN G925	≤350 UNE/IHA	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140	AFNOR 55557 60SC6 Y100C6 105WC13		250A3 BL3 105WC13	SAE 9255 9262 L3 S1	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7	1.0904 1.0961 1.2067 1.2419 1.2542
O HB UN G925	≤350 UNE/IHA	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140	AFNOR 55S7 60SC6 Y100C6 105WC13 55NCDV7		250A3 BL3 105WC13	SAE 9255 9262 L3 S1	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713
O HB UN G925	≤350 UNE/IHA	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140	AFNOR 55S7 60SC6 Y100C6 105WC13 55NCDV7		250A3 BL3 105WC13	SAE 9255 9262 L3 S1	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 x50CrMnNiNbN219	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882
O HB UN G925	≤350 UNE/IHA	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140	AFNOR 55S7 60SC 6 Y100 C6 105WC13 55NCDV7 250CMNNb21-09	45	250A3 BL3 105WC13 BS1	SAE 9255 9262 L3 S1 L6	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 X50CrMnNINDN219 38MnSi4	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120
O HB UN G925	<350 UNE/IHA F.250S	UNI 55Si8 60SiCr8 100Cr6 10WCr6	2085 2140 2710	AFNOR 55557 60SC6 Y100C6 105WC13 55NCDV7 Z50CMNNb21-09	45	250A3 BL3 105WC13 BS1 640A35	SAE 9255 9262 L3 S1 L6	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 X50CrMnNNbN219 38MnSi4 36NiCr6	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710
O HB UN G925	<350 UNE/IHA F.250S	UNI 55Si8 60SiCr8 100Cr6 10WCr6 45WCrV8KU	2085 2140 2710	AFNOR 55S7 60SC6 Y100C6 105WC13 55NCDV7 250CMNNb21-09 35NC6 18NC13	45 111A	250A3 BL3 105WC13 BS1 640A35 830M31	SAE 9255 9262 L3 S1 L6 3135	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 x50CrMnNINbN219 38Mn Si4 36NiCr6 31NiCr14	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710 1.5755
O HB UN G925	<350 UNE/IHA F.250S	UNI 55538 603iCr8 100Cr6 10WCr6 45WCrV8KU	2085 2140 2710	AFNOR 55S7 60SC6 Y100C6 105WC13 55NCDV7 250CMNNb21-09 35NC6 18NC13	45 111A	250A3 BL3 105WC13 BS1 640A35 830M31 816M40	SAE 9255 9262 L3 S1 L6 3135 9840	555si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 X50CrMnNiNbN219 38Mn Si4 36NiCr6 31NiCr14 36CrNiMo4	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710 1.5755 1.6511
G925 G926	<350 UNE/IHA F.250S	UNI 55Si8 60SiCr8 100Cr6 10WCr6 45WCrV8KU 45WCrV8KU	2085 2140 2710 2534	AFNOR 55S7 60SC6 Y100C6 105WC13 55NCDV7 250CMNNb21-09 35NC6 18NC13 40NCD3	45 111A 110	250A3 BL3 105WC13 BS1 640A35 830M31 816M40 311-Type7	SAE 9255 9262 L3 S1 L6 3135 9840 8740	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 x50CrMnNINbN219 38Mn Si4 36NiCr6 31NiCr14 36CrNiMo4 40NiCrMo2-2	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710 1.5755 1.6511 1.6546
G925 G926	<350 UNE/IHA F.250S	UNI 5553i8 603iCr8 100Cr6 10WCr6 45WCrV8KU 45WCrV8KU 36NiCrM04(KB) 40NiCrM02(KB) 41Cr4	SS 2085 2140 2710 2534 22534	AFNOR 55S7 60SC 6 Y100 C6 105WC13 105WC13 55NCDV7 250CMNNb21-09 35NC6 18NC13 40NCD3 40NCD3	45 111A 110 18	250A3 BL3 105WC13 BS1 640A35 830M31 816M40 311-Type7 530M40	SAE 9255 9262 L3 S1 L6 3135 9840 8740 5140	555si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 X50CrMnNINbN219 38MnSi4 36NiCr6 31NiCr14 36CrNiMo4 40NiCrMo2-2 41Cr4	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5755 1.6511 1.6546 1.7035
G925 G926	<350 UNE/IHA F.250S	UNI 555Si8 60SiCr8 100Cr6 10WCr6 45WCrV8KU 45WCrV8KU 36NiCrM04(KB) 40NiCrM02(KB) 41Cr4 55Cr3	SS 2085 2140 2710 2534 22534 22253	AFNOR 55S7 60SC 6 Y100C 6 105WC 13 55NCDV7 55NCDV7 250CMNNb21-09 35NC 6 18NC 13 40NCD 3 40NCD 3	45 111A 110 18	250A3 BL3 105WC13 BS1 640A35 830M31 816M40 311-Type7 530M40 527A60	SAE 9255 9262 L3 S1 L6 3135 9840 8740 5140 5155	555si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 X50CrMnNNbN219 38Mn Si4 36NiCr6 31NiCr14 36CrNiMo4 40NiCrMo2-2 41Cr4 55Cr3	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710 1.5755 1.6511 1.6546 1.7035 1.7176
G925 G926	<350 UNE/IHA F.250S	UNI 55Si8 60SiCr8 100Cr6 10WCr6 45WCrV8KU 45WCrV8KU 36NiCrM04(KB) 40NiCrM02(KB) 41Cr4 55Cr3 34CrM04	SS 2085 2140 2710 2534 22534 22253	AFNOR 55S7 60SC 6 Y100C 6 105WC 13 55NCDV7 55NCDV7 250CMNNb21-09 35NC 6 18NC 13 40NCD 3 40NCD 3	45 111A 110 18	250A3 BL3 105WC13 BS1 640A35 830M31 816M40 311-Type7 530M40 527A60	SAE 9255 9262 L3 S1 L6 3135 9840 8740 5140 5155 4135	55Si7 60SiCr7 100Cr6 105WCr6 45WCRV7 55NiCrMoV6 35NiCrMoV6 38MnSi4 36NiCr6 31NiCr14 36CrNiMo4 40NiCrMo2-2 41Cr4 55Cr3 34CrMo4	1.0904 1.0961 1.2067 1.2419 1.2542 1.2713 1.4882 1.5120 1.5710 1.5755 1.6511 1.6546 1.7035 1.7176 1.7220

VD	I 3323 9	Low-allo	yed steel		Quenched & T	empere	d	≤38 ≤350	HRc) HB
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
1.8159	50CrV4	6150	735A50	47	50CrV4	2230	50CrV4	51CrV4	G6150
1.8161	58CrV4								
1.8509	41CrAiMo7	A355A	905M39	41B	40CAD6-12	2940	41CrAiMo7		
1.8523	39CrMoV13-9		897M39	40C			36CrMoV12		
VDI	3323 10		yed steel, steel		Anneale	ed		≤15 ≤200	
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
1.0347	RRSt3	A619	CR3	FeP03	F13	1922	DC03/FeP03		
1.0723	15S22		210A15					F.210F	
1.2080	X210Cr12	D3	BD3	X210Cr12	Z200C12		X205Cr12KU		T3040
1.2162	21MnCr5				20MC5				
1.2311	40CrMnMo7				40CMD8		35CrMo8KU		
1.2312	40CrMnMoS8.6	P20+S			40CMD8S				
1.2316	X36CrMo17			X38CrMo16					
1.2343	X38CrMoV5-1	H11	BH11		Z38CDV5		X37CrMoV51KU		T2081
1.2344	X40CrMoV5-1	H13	BH13		Z40CDV5	2242	X40CrMoV51KU	F.5318	T2081
1.2363	X100CrMoV5-1	A2	BA2		Z100CDV5	2242	X100CrMoV51KU	F.5227	1200
1.2303	X100CrMoV3-1 X155CrMoV121	D2	BD2		Z160CDV5	2310	X165CrMoV51KU	1.JEET	T3040
1.2379	X155CFM0V121 X210CrW12	D2 D4(D6)	BD2 BD6		Z200CD12	2310	X165CrW0V51KU X215CrW121KU	F35213	13040
									TOAD
1.2510	100MnCrW4	01	B01		90MWCV5	2140	95MnWCr5KU	F.5220	T2082
1.2581	X30WCrV9-3	H21	BH21		Z30WCV9	004.0	X30WCrV93KU	F.526	
1.2601	X165CrMoV12		-			2310	X160CrMoV12		
1.2606	X37CrMoW51	H12	BH12		Z35CWDV5		X35CrMoW5KU	F.537	T2081
1.2764	X19NiCrMo4								
1.2767	X45NiCrMo4				45NCD16		40NiCrMoV8KU		
1.2842	90MnCrV8	02	B02		90MV8		90MnCrV8KU		T3150
1.3243	S6-5-2-5	T15			KCV06-05-05-04-02	2723	HS6-5-2-5		
1.3249	S18-1-2-5	T4	BT4		Z80WKCV18-05-04				
1.3343	S6-5-2	M2	BM2		Z85WDCV	2722	HS652	F.5604	
1.3348	S2-9-2	M7			Z100DCWV09-04-02	2782	HS292	F.5607	
1.3355	S18-0-1	T1	BT1		Z80WCV18-4-01				
1.47 18	X45CrSi9-3	HNV3	401S45	52	Z45CS9		X45CrSi8	F.322	
1.5662	X8Ni9	ASMA353	502-650		9Ni		X10Ni9	F.2645	
1.5680	12Ni19	2515	12Ni19		Z18NS				
VDI	3323 11		yed steel, steel		Quenched & T	empere	d		HRc 5 HB
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
1.2080	X210Cr12	D3	BD3	X210Cr12	Z200C12		X205Cr12KU		T3040
1.2344	X40CrMoV5-1	H13	BH13		Z40CDV5	2242	X40CrMoV51KU	F.5318	T2081
1.2363	X100CrMoV5-1	A2	BA2		Z100CDV5	2260	X100CrMoV51KU	F.5227	
1.2436	X210CrW12	D4(D6)	BD6		Z200CD12	2312	X215CrW121KU	F.5213	
1.2581	X30WCrV9-3	H21	BH21		Z30WCV9		X30WCrV93KU	F.526	T2082
1.2601	X165CrMoV12					2310	X160CrMoV12		
		6F3/L6			55NiCrMoV7			5 5000	
1.2714	55NiCrMoV7			1	55NIC-040V7		1	F.520S	

D	VDI	3323 11	High-allo Tool	yed steel, steel		Quenched & T	empere	d	≤35 ≤32	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	1.3207	S10-4-3-10		BT42		Z130WKCDV				
	1.3243	S6-5-2-5	T15			KCV06-05-05-04-02	2723	HS6-5-2-5		
	1.3246	S7-4-2-5	M35			Z110WKCDV07-05-04		HS7-4-2-5		
	1.3247	S2-10-1-8	M42	BM42		Z110WKCDV09-08-04		HS2-9-1-8		
	1.3255	S18-1-2-5	T4	BT4		ZB0WKCV18-05-04				
	1.3343	S6-5-2	M2	BM2		Z85WDCV	2722	HS652	F.5604	
	1.3348	S2-9-2	M7			Z100DCWV09-04-02	2782	HS292	F.5607	
	1.3355	S18-0-1	T1	BT1		Z80WCV18-4-01				
	1.4718	X45CrSi9-3	HNV3	401S45	52	Z45CS9		X45CrSi8	F.322	
	1.4935	X20CrMoWV121	422							S42200
	1.5680	12Ni19	2515	12Ni19		Z18N5				
М	VDI	3323 12		ss steel	Fer	ritic/Martensiti	c, Anne	aled	≤15 ≤200	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	1.4000	X6Cr13	403	403S17		Z6C13	2301	X6Cr13	F.3110	S40300
	1.4001	X7Cr14	410S	403S7		Z8C13	2301		F.8401	
	1.4002	X6CrAI13	405	405S17		Z6CA13	2302	X6CrAl13		S40500
	1.4005	X12CrS13	416	416S21		Z11CF13	2380	X12CrS13	F.3411	S41600
	1.4006	X12Cr13	410	410S21	56A	Z10C13	2302	X12Cr13	F.3401	S41000
	1.4016	X6Cr17	430	430S15	X8Cr17	Z8C17	2320	X8Cr17	F.3113	S43000
	1.4027	GX20Cr14		420C29		Z20C13M				
	1.4028	X30Cr13	420	420S45		Z30C13	2304			S42020
	1.4034	X46Cr13		420S45		Z40C14		X40Cr14	F.3405	
	1.4057	X19CrNi17-2	431	431S29	57	Z15CN16-02	2321	X16CrNi16	F.3427	S43100
	1.4086	GX120Cr29		452C11						
	1.4104	X12CrMoS17	430F	420S37		Z10CF17	2383	X10CrS17	F.3117	S43020
	1.4112	X90CrMoV18	440B							S44003
	1.4113	X6CrMo17	434	434S17		Z8CD17-01	2325	X8CrMo17		S43400
	1.4313	X3CrNi13-4	CA6-NM	425C11		Z4CND13-04M	2385	(G)X6CrNi304		J91540
	1.4341	GX40CrNi274								J92615
	1.4417	X2CrNoMoSi195	S31500				2376			S39215
	1.4418	X4CrNiMo165				Z6CND16-04-01	2387			
	1.4510	X6CrTi17	XM8			Z4CT17		X6CrTi17	F.3115	S43035
	1.4511	X6CrNb17				Z4CNb17		X6CrNb17	F.3122	
	1.4512	X6CrTi12	409	LW19		Z3CT12		X6CrTi12		S40900
	1.4720	X20CrMo13								
	1.4724	X10CrA113	405	405S17		Z10C13		X10CrA112	F.311	
	1.4742	X10CrA118	430	439S15	60	Z10CAS18		X8Cr17	F.3113	S43000
	1.4747	X80CrNiSi20	HNV6	443S65	59	Z80CSN20-02		X80CrNiSi20	F.320B	S65006
	1.4749	X18CrNi28	446							
	1.4762	X10CrA124	446			Z10CAS24	2322	X16Cr26		S44600
	1.4871	X53CrMnNi21-9	EV8	349S54		Z52CMN21-09		X53CrMnNi219		S63008
		X10CrNi15	429							
		X12CrNi18-9	302	302S31		Z10CN18-09	2330			

М	VD	1 3323 13	Stainle	ss steel	Marten	sitic, Quenche	ed & Te	mpered	≤23 ≤240	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	1.4000	X6Cr13	403	403S17		Z6C13	2301	X6Cr13	F.3110	S40300
	1.4001	X7Cr14	410S	403 S7		Z8C13	2301		F8401	
	1.4006	X12Cr13	410	410S21	56A	Z10C13	2303	X12Cr13	F3.401	S41000
	1.4016	X6Cr17	430	430S15	X8Cr17	Z8C17	2320	X8Cr17	F.3113	S43000
	1.4021	X20Cr13	420	420S37		Z20C13	2303	14210	F.5261	S42000
	1.4027	GX20Cr14		420C29		Z20C13M				
	1.4031	X40Cr13	420			Z40C14	2304		F.3404	S42080
	1.4034	X46Cr13		420 S45		Z40C14		X40Cr14	F.3405	
	1.4057	X19CrNi17-2	431	431 S29	57	Z15CN16-02	2321	X16CrNi16	F.3427	S43100
	1.4104	X12CrMoS17	430F	420S37		Z10CF17	2383	X10CrS17	F.3117	S43020
	1.4113	X6CrMo17	434	434 S17		Z8CD17-01	2325	X8CrMo17		S43400
	1.4313	X3CrNi13-4	CA6-NM	425C11		Z4CND13-04M	2385	(G)X6CrNi304		J91540
	1.4544	A700	321	S.524		Z10CNT18-11		X6CrNiTi1811		J92630
	1.4546	X5CrNiNb18-10	348	347 S31				X6CrNiNb1811		J92640
	1.4871	X53CrMnNi21-9	EV8	349S54		Z52CMN21-09		X53CrMnNi219		S63008
	1.4922	X20CrMoV12-1					2317	X20CrMoNi1201		
	1.4923	X22CrMoV12-1								
	VD	1 3323 14	Stainle	ss steel		Austenit	tic		≤10 ≤180	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	1.4301	X5CrNi18-10	304	304 S15		Z5CN18-09	2332		F.3551	S30409
	1.4305	X10CrNiS18-10	303	303 S21	58M	Z8CNF18-09	2346	X10CrNiS1809	F.3508	S30300
	1.4306	X2CrNi1911	304L	304C12	X3CrNi1810KD	Z2CN18-09	2352	GX2CrNi1910	F.3503	S30403
	1.4308	GX6CrNi18-9	CF-8	304C15	58E	Z6CN18-10M	2333			
	1.4310	X10CrNi18-8	301	301 S21		Z12CN17-07	2331	X2CrNi1807	F.3517	S30100
	1.4311	X2CrNiN1810	304LN	304 S62		Z2CN18-10	2371	X2CrNiN1810	F.3541	S30453
	1.4312	GX10CrNi188	305	302C25		Z10CN18-9M				
	1.4350	X5CrNi18-9	304	304 S15	58E	Z6CN18-09	2332	X5CrNi1810	F.3551	S30400
	1.4362	X2CrNiN234	S32304			Z2CN23-04AZ	2327			S32304
	1.4371	X3CrMnNiN18887	202	284S16		Z8CMN18-08-05				
	1.4401	X5CrNiMo17-12-2	316	316S13		Z3CND17-11-01	2347	X5CrNiMo17122	F.3534	S31600
	1.4414	X2CrNiMo17-13-2	316L	316S11		Z2CND17-12	2348	X2CrNiMo1712	F.3533	S31603
	1.4406	X2CrNiMo17-12-2	316LN	316S61		Z2CND17-12AZ		X2CrNiMoN1712	F.3542	S31653
	1.4408	GX6CrNiMo18-10	CF-8M	316C16			2343	X7CrNiMo2010	F.8414	J92900
	1.4410	GX10CrNiMo18-9	Super Duplex			Z5CND20-12M	2328			S32750
	1.4429	X2CrNiMoN17-13-3	316LN	316 S62		Z2CND17-13AZ	2375	X2CrNiMoN17133	F.3543	
	1.4435	X2CrNiMo18-14-3	316L	316S11		Z3CND17-12-03	2375	X2CrNiMo17132	F.3533	S31603
	1.4436	X3CrNiMo17-13-3	316	316S19		Z6CND18-12-03	2343	X5CrNiMo17122	F.3543	S31600
	1.4438	X2CrNiMo18-16-4	317L	317S12		Z2CND19-15-04	2367	X2CrNiMo18164	F.3539	S31703
	1.4439	X2CrNiMoN17-13-5	S31726			Z3CND18-14-06AZ				
	1.4440	X2CrNiMo18-16								
	1.4449	X5CrNiMo17-13-3	317	317S16				X5CrNiMo1815		S31700
	1.4460	X8CrNiMo275	329				2324			S32900
	1.4462	X2CrNiMoN2253	Duplex	318S13		Z3CND22-05AZ	2377			S31803
	1.4500	X7NiCrMoCuNb25205				Z3NCDU25-20M				J95150
	1.4521	X2CrMoTi18-2	443/444				2326	X2CrMoTiNb182	F.3123	

N/I	VD	1 3323 14	Stainle	ss steel		Austeni	tic		≤10 ≤180	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	1.4539	X1NiCrMoCuN25205				Z2NCDU25-20	2562			N08904
	1.4541	X14CrNiTi18-10	321	321S31		Z6CNT18-10	2337	X6CrNiTi1811	F.3523	S32100
	1.4542	X5CrNiCuNb174	17-4PH							
	1.4545	Z7CNU15.05	15-5PH			Z7CNU15-05				S15500
	1.4547	X1CrNiMoN20187	S31254				2378			S31254
	1.4550	X6CrNiNb18-10	347	347S31	58F	Z6CNNb18-10	2338	X6CrNiNb1811	F.3552	S34700
	1.4552	GX7CrNiNb18-9				Z4CNNb19-10M				J92710
	1.4568	X7CrNiAl177		316S111		Z9CAN 17-7	2388	Z8CNA17-07		S17700
	1.4571	X6CrNiMoTi17-12-2	316Ti	320S31	58J	Z6NDT17-12	2350	X6CrNiMoTi1712	F.3535	
	1.4581	GX5CrNiMoNb18		318C17		Z4CNDNb18-12M				
	1.4583	X6CrNiMoNb18-12	318	303S21		Z15CNS20-12		X15CrNiSi212		
	1.4585	GX7CrNiMoCuNb1818						X6CrNiMoTi1712		J94651
	1.4821	X20CrNiSi254				Z20CNS25-04				S44635
	1.4823	GX40CrNiSi274								J92604
	1.4828	X15CrNiSi20-12	309	309S24	58C	Z15CNS20-12			F.8414	S30900
	1.4833	X6CrNi2213	309S	309S13		Z15CN24-13				J93400
	1.4845	X12CrNi25-21	310S	310S24		Z12CN25-20	2361	X6CrNi2520	F.331	S31008
	1.4878	X12CrNiTi18-9	321	321S20	58B	Z6CNT18-12(B)	2337	X6CrNiTi1811	F.3553	S32100
	1.4891	X5CrNiNb18-10	S30415				2372			
	1.4893	X8CrNiNb11	S30815				2368			
	1.4948	X6CrNi1811	304H	304S51		Z5CN18-09	2333			S30480
	1.4980	X5NiCrTi2515	660				2570			S33286
		X5NiCrN3525								
		X2CrNiMoN18134	S31753							
		X2CrNiMoN25227								
	VD	1 3323 15	Grey c	ast iron		Pearlitic/Fe	erritic		≤10 ≤180	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	0.6010						00		OTTE IN PA	
	0.0010	GG10	A4820B	Grade 100	GJL-100	Ft10D	0100	G10	FG10	
	0.6015	GG10 GG15		Grade 100 Grade150	GJL-100 GJL-150			G10 G15		W06020
			A4820B			Ft10D	0100		FG10	W06020
	0.6015	GG15	A4820B A4825B	Grade150	GJL-150	Ft10D Ft15D	0100 0115	G15	FG10 FG15	W06020
	0.6015 0.6020	GG15 GG20	A4820B A4825B A4830B	Grade150 Grade 220	GJL-150 GJL-200	Ft10D Ft15D Ft20D	0100 0115 0120	G15 G20	FG10 FG15 FG20	W06020 F41002
	0.6015 0.6020 0.6025 0.6660	GG15 GG20 GG25 GGL-NiCr202	A4820B A4825B A4830B A4840B 1050/700/7	Grade150 Grade 220 Grade 260 Grade F2	GJL-150 GJL-200 GJL-250	Ft10D Ft15D Ft20D Ft25D L-NC202	0100 0115 0120 0125 0523	G15 G20 G25	FG10 FG15 FG20 FG25	F41002 HRc
	0.6015 0.6020 0.6025 0.6660	GG15 GG20 GG25 GGL-NiCr202 3323 16	A4820B A4825B A4830B A4840B 1050/700/7	Grade150 Grade 220 Grade 260 Grade F2 ast iron	GJL-150 GJL-200 GJL-250 GJLA-XNiCr20-2	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mart	0100 0115 0120 0125 0523 tensitic)	G15 G20 G25	FG10 FG15 FG20 FG25 ≤260 ≤260	F41002 HRc 0HB
	0.6015 0.6020 0.6025 0.6660 VD	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN	A4820B A4825B A4830B A4840B 1050/700/7 Grey ca AISI/ASTM/ SAE	Grade150 Grade 220 Grade 260 Grade F2 ast iron BS	GJL-150 GJL-200 GJL-250 GJLA-XNiCr20-2	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mart AFNOR	0100 0115 0120 0125 0523 tensitic)	G15 G20 G25 UNI	FG10 FG15 FG20 FG25 ≤26 ≤26	F41002 HRc
	0.6015 0.6020 0.6660 VD W. Nr 0.6025	GG15 GG20 GG25 GGL-NiCr202 332316 DIN GG25	A4820B A4825B A4830B A4840B 1050/700/7 Grey ca AISI/ASTM/ SAE A4840B	Grade150 Grade 220 Grade 260 Grade F2 Ast iron BS Grade 260	GJL-150 GJL-200 GJL-250 GJLA-XNICr20-2 EN GJL-250	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mart AFNOR Ft25D	0100 0115 0120 0523 tensitic) SS 0125	G15 G20 G25 UNI G25	FG10 FG15 FG20 FG25 ≤26 ≤26 UNE/IHA	F41002 HRc 0HB
	0.6015 0.6025 0.6660 VD W. Nr 0.6025 0.6030	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30	A4820B A4825B A4830B A4840B 1050/700/7 Grey ca AISI/ASTM/ SAE A4840B A4845B	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 260 Grade 300	GJL-150 GJL-200 GJL-250 GJL-250 EN GJL-250 GJL-300	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft25D	0100 0115 0120 0125 0523 tensitic) SS 0125 0130	G15 G20 G25 UNI G25 G30	FG10 FG15 FG20 FG25 ≤26 ≤26 ≤26 ≤26 SC SC SC SC SC SC SC SC SC SC SC SC SC	F41002 HRc 0HB
	0.6015 0.6020 0.6660 VD VD 0.6025 0.6030 0.6035	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30 GG35	A4820B A4825B A4830B 1050/700/7 Grey ca AISI/ASTM/ SAE A4840B A4845B A4850B	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350	GJL-150 GJL-200 GJL-250 GJL-XNICr20-2 EN GJL-250 GJL-300 GJL-350	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft25D Ft30D	0100 0115 0120 0523 tensitic) SS 0125 0130 0135	G15 G20 G25 UNI G25 G25 G30 G35	FG10 FG15 FG20 FG25 ≤26 ≤26 CUNE/IHA FG25 FG30 FG35	F41002 HRc 0HB
	0.6015 0.6025 0.6660 VD W. Nr 0.6025 0.6030	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30	A4820B A4825B A4830B A4840B 1050/700/7 Grey ca AISI/ASTM/ SAE A4840B A4845B	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 260 Grade 300	GJL-150 GJL-200 GJL-250 GJL-250 EN GJL-250 GJL-300	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft25D	0100 0115 0120 0125 0523 tensitic) SS 0125 0130	G15 G20 G25 UNI G25 G30	FG10 FG15 FG20 FG25 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26	F41002 HRC 0HB UNS
	0.6015 0.6025 0.6660 VD VD 0.6025 0.6030 0.6035 0.6040	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30 GG35	A4820B A4825B A4830B 1050/700/7 Grey ca A1SI/ASTM/ SAE A4840B A4845B A4850B A4860B	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350	GJL-150 GJL-200 GJL-250 GJL-XNICr20-2 EN GJL-250 GJL-300 GJL-350	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft25D Ft30D	0100 0115 0120 0523 tensitic) 0125 0125 0130 0135 0140	G15 G20 G25 UNI G25 G25 G30 G35	FG10 FG15 FG20 FG25 ≤26 ≤26 CUNE/IHA FG25 FG30 FG35	F41002 HRc 0HB UNS
	0.6015 0.6025 0.6660 VD VD 0.6025 0.6030 0.6035 0.6040	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30 GG35 GG40	A4820B A4825B A4830B 1050/700/7 Grey ca A1SI/ASTM/ SAE A4840B A4845B A4850B A4860B	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350 Grade 400	GJL-150 GJL-200 GJL-250 GJL-XNICr20-2 EN GJL-250 GJL-300 GJL-350	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mart AFNOR Ft25D Ft25D Ft30D Ft30D Ft30D Ft30D Ft40D	0100 0115 0120 0523 tensitic) 0125 0125 0130 0135 0140	G15 G20 G25 UNI G25 G25 G30 G35	FG10 FG15 FG20 FG25 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26	F41002 HRc 0HB UNS
	0.6015 0.6025 0.6660 VD W. Nr 0.6025 0.6030 0.6030 0.6035 0.6040	GG15 GG20 GG25 GGL-NICr202 3323 16 DIN GG25 GG30 GG35 GG40 3323 17	A4820B A4825B A4830B 1050/700/7 Grey ca A1SI/ASTM/ SAE A4840B A4845B A4850B A4850B A4850B Modular	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350 Grade 400 Cast iron	GJL-150 GJL-200 GJL-250 GJL-250 EN GJL-250 GJL-300 GJL-300 GJL-350	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft25D Ft30D Ft35D Ft35D Ft40D Ft40	0100 0115 0120 0523 tensitic) SS 0125 0130 0135 0140	G15 G20 G25 UNI G25 G30 G30 G35 G30 G30 G35	FG10 FG15 FG20 FG25 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26	F4 1002 HRc 0HB UNS
	0.6015 0.6025 0.6660 VD W. Nr 0.6025 0.6030 0.6035 0.6040 VD	GG15 GG20 GG25 GGL-NICr202 3323 16 DIN GG25 GG30 GG35 GG40 3323 17	A4820B A4825B A4830B 1050/700/7 Grey ca A1SI/ASTM/ SAE A4840B A4845B A4850B A4850B A4850B Modular	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350 Grade 400 Cast iron	GJL-150 GJL-200 GJL-250 GJL-250 EN GJL-250 GJL-300 GJL-300 GJL-350 GJL-400	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft30D Ft35D Ft35D Ft40D Ft1 40D	0100 0115 0120 0523 tensitic) 0125 0125 0130 0135 0140 0135 0140	G15 G20 G25 UNI G25 G30 G30 G35 G30 G30 G35	FG10 FG15 FG20 FG25 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26 ≤26	F4 1002 HRc OHB UNS
	0.6015 0.6025 0.6660 VD 0.6025 0.6030 0.6035 0.6040 VD VD	GG15 GG20 GG25 GGL-NiCr202 3323 16 DIN GG25 GG30 GG35 GG40 3323 17 DIN GGG35.3	A4820B A4825B A4830B 1050/700/7 Grey ca A1SI/ASTM/ SAE A4840B A4845B A4850B A4860B Modular A1SI/ASTM/ SAE	Grade150 Grade 220 Grade 260 Grade F2 BS Grade 260 Grade 300 Grade 350 Grade 400 Cast iron BS 350-22L40	GJL-150 GJL-200 GJL-250 GJL-250 C GJL-250 GJL-300 GJL-300 GJL-300 C GJL-400 C C C C C C C C C C C C C C C C C C	Ft10D Ft15D Ft20D Ft25D L-NC202 Pearlitic (Mar AFNOR Ft25D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft30D Ft3D Ft3D Ft3D Ft3D Ft3D Ft3D Ft3D 	0100 0115 0120 0523 censitic SS 0125 0130 0135 0140 0135 0140 0135 0140	G15 G20 G25 UNI G25 G30 G35 G30 G35 G40 UNI	FG10 FG15 FG20 FG25 CUNE/IHA FG25 FG30 FG35 FG30 FG35 FG40 S16 CUNE/IHA	F41002 HRc 0HB UNS

K	VD	1 3323 18	Nodular	cast iron		Pearliti	ic		≤25 ≤25	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	0.7050	GGG50	80-55-06	SNG500-7	GJS-500-7	FGS500-7	0727-02	GS500-7	FGE50-7	F33100
	0.7060	GGG60	80-55-06	SNG600-3	GJS-600-3	FGS60-3	0732-03	GS600-3	FGE60-2	
	0.7070	GGG70	100-70-03	SNG700-2	GJS-700-2	FGS700-2	0737-01	GS700-2	FGE70-2	F34800
	0.7652	GGGNiMn13-7		Grade S6	GJSA-XNiMn13-7	FGSNi13Mn7	0772			
	0.7660	GGGNiCr20-2	A436D2	Grade S2	GJSA-XNiCr20-2	FGSNi20Cr2	0776			
	VD	1 3323 19	Malleable	cast iron		Ferriti	c		≤130	HB
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	0.8055	GTW55								
	0.8135	GTS-35	32510	B340-12	GJMB350-10	Mn35-10	0815	GMN35	GTS35	
	0.8145	GTS45	A220-40010	P440-7	GJMB450-6	Mn450-6	0815-00			
	VD	1 3323 20	Malleable	cast iron		Pearlit	ic		≤21I ≤230	
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	0.8155	GTS-55	50005	P510-4	GJMB-550-4	MP50-5	0854	GMN55		
	0.8165	GTS-65	70003	P570-3	GJMB-650-2	MN650-3	0856	GMN65		
	0.8170	GTS-70	90001	P690-2	GJMB-700-2	MN700-2	0862	GMN70		
Ν	VD	1 3323 21		inium t, alloyed		Not cura	ble		≤60	нв
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	3.0205	AI99	A199							
	3.0255	AI99.5	1000	L31		A59050C				
	3.3315	AIMg1								
	VD	1 3323 22		inium , alloyed		Curable, hai	rdened		≤10	онв
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	3.1325	AlCuMg1								
	3.1655	AlCuSiPb								
	3.2314	AIMgSi1								
	3.4345	AlZnMgCu0.5	7050	L86		AZ4GU/9051		811-04		
	3.4365	AlZnMgCu1.5	7075	7075		7075		AlZn5.8MgCuCr		
	VD	1 3323 23		inium Illoyed		≤12% Si, Not	curable		≤75	НВ
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
	3.2163	G-AlSi9Cu3								
	3.2382	GD-AlSi10Mg								
	3.2383	G-AlSi10Mg(Cu)	A360.2	LM9			4253			
	3.2581	G-AlSi12								
	2.3561	G-AIMg5								
	3.5101	G-MgZn4sE1Zr1	ZE41	MAG5						
	3.5103	MgSE3Zn27r1	EZ33	MAG6		G-TR3Z2				
	3.5812	G-MgAl8Zn1	AZ81	NMAG1						
	3.5912	G-MgAl9Zn1	AZ91	MAG7						

VD	01 3323 23		inium Illoyed		≤12% Si, Not	curabl	9	≤75	нв
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
		A356-72	2789		NFA32-201				
		356.1	LM25			4244			
	G-AISi12	A413.2	LM6			4261			
	G-AlSi12(Cu)	A413.1	LM20			4260			
	GD-AISi12	A413.0				4247			
	GD-AlSi8Cu3	A380.1	LM24			4250			
VE	01 3323 24		inium Illoyed	S	12% Si, Curable	e, harde	ened	≤90	нв
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
2.1871	G-AlCu4TiMg								
3.1754	G-AlCu5Ni1.5								
3.2371	G-AlSi7Mg	4218B							
3.2373	G-AISi9MGWA	SC64D			A-S7G	4251			
3.2381	G-AlSi10Mg								
3.5106	G-MgAg3SE2Zr1	QE22	MAG12						
	G-ALMG5	GD-AISi12	LM5		A-SU12	4252			
VC	01 3323 25	Aluminiu	m, alloyed		>12% Si & L	i alloys		≤130	нв
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
To this g	roup belong all Alum	ninium alloys wit	h >12% Si cont	ent and all Alur	minium Lithium alloy	s			
VE	01 3323 26		Cu alloys e/Brass)		Cutting alloys	s, >1% F	b	≤110	нв
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
2.0375	CuZn36Pb3								
2.0070									
2.1090	G-CuSn75Pb	C93200			U-E7Z5Pb4				
		C93200 C83600	LG2		U-E7Z5Pb4				
2.1090	G-CuSn75Pb		LG2		U-E7Z5Pb4				
2.1090 2.1096	G-CuSn75Pb G-CuSn5ZnPb	C83600	LG2 LB1		U-E7Z5Pb4				
2.1090 2.1096 2.1098 2.1182	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb	C83600 C83600 C2300 Copper &				n (Bras	s)	≤90	нв
2.1090 2.1096 2.1098 2.1182	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb G-CuPb15Sn	C83600 C83600 C2300 Copper &	LB1 Cu alloys	EN	U-Pb15E8	n (Bras	s) UNI	≤90 UNE/IHA	
2.1090 2.1096 2.1098 2.1182	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb G-CuPb15Sn 3323 27	C83600 C83600 C2300 Copper & (Bronze	LB1 Cu alloys e/Brass)	EN	U-Pb15E8 CuZn, CuSnZ				
2.1090 2.1096 2.1098 2.1182 VE	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb G-CuPb15Sn 1 3323 27 DIN	C83600 C83600 C2300 Copper & (Bronze	LB1 Cu alloys e/Brass)	EN	U-Pb15E8 CuZn, CuSnZ	SS			
2.1090 2.1096 2.1098 2.1182 VC W. Nr 2.0240	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb G-CuPb15Sn 3323 27 DIN CuZn15	C83600 C83600 C2300 Copper & (Bronze AISI/ASTM/ SAE	LB1 Cu alloys e/Brass) BS	EN	U-Pb15E8 CuZn, CuSnZ	SS	UNI		
2.1090 2.1096 2.1098 2.1182 VC W. Nr 2.0240 2.0321	G-CuSn75Pb G-CuSn5ZnPb G-CuSn5ZnPb G-CuPb15Sn 3323 27 DIN CuZn15 CuZn37	C83600 C83600 C2300 Copper & (Bronze AISI/ASTM/ SAE	LB1 Cu alloys e/Brass) BS	EN	U-Pb15E8 CuZn, CuSnZ	SS	UNI		
2.1090 2.1096 2.1098 2.1182 VC W. Nr 2.0240 2.0321 2.0590	G-CuSn75Pb G-CuSn5ZnPb G-CuSn2ZnPb G-CuPb15Sn 3323 27 DIN CuZn15 CuZn15 CuZn37 G-CuZn40Fe	C83600 C83600 C2300 Copper & (Bronzo AISI/ASTM/ SAE	LB1 Cu alloys (Prass) BS CZ108	EN	U-Pb15E8 CuZn, CuSnZ AFNOR CuZn36, CuZn37	SS	UNI		H B UN:

VD	01 3323 28	Copper & (Bronze	Cu alloys /Brass)		CuSn, Lead fro & Electrolytic			≤10	онв
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
2.0060	E-Cu57								
2.0966	CuAl10Ni5Fe4	C63000	Ca104		U-A10N				
2.0975	G-CuAl10Ni	B-148-52							
2.1050	G-CuSn10	C90700	CT1						
2.1052	G-CuSn12	C90800	Pb2		UE12P				
2.1292	G-CuCrF35	C81500	CC1-FF						
VD	01 3323 29	Thermos reinforce	setting & d plastics		Acrylics	etc.			
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
To this g	roup belong all Acryli	ics, Nylons, Ca	bon Fibre reinf	orced plastics,	Glass fibre reinforce	d plastics	1		
VD	01 3323 30	Non-r	netals		Hard rubber,	Wood et	tc		
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN
To this g	roup belong all non-r	netal materials	such as Graphi	te, Hard rubber	, Wood etc.				
VD	01 3323 31	Heat re super	sistant alloys		Fe based, ar	nnealed		≤15 ≤20	
W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UN
1.4558	X2NiCrAITi3220	N08800	NA15						
1.4562	X1NiCrMoCu32287	N08031							
1.4563	X1NiCrMoCuN31274	N08028			Z1NCDU31-27-03	2584			
1.4864	X12NiCrSi3616	330	NA17		Z12NCS3718				N083
1.4865	GX40NiCrSi3818		330C40				XG50NiCr3919		J946
1.4958	X5NiCrAITi3120								
VD	01 3323 32	Heat re super	sistant alloys		Fe based,	aged		≤30I ≤280	
W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UN
1.4977	X40CoCrNi2020				Z42CNKDWNb				
VD	01 3323 33		sistant alloys	I	Ni or Co based	, annea	led	≤25 ≤25	
W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UN
2.4360	NiCu30Fe	Monel 400	NA13		NU30				N044
2.4603	NiCr30FeMo	5390A			NC22FeD				
2.4610	NiMo16Cr16Ti	Hastelloy C-4							N264
2.4630	NiCr20Ti	Nimonic 75	HR5, 203-4		NC20T				N060
2.4631	NiCr20TiAl		HR40		NC20TA				N070
2.4642	NiC29Fe	Inconel 690			Nnc30Fe				N066
2.4856	NiCr22Mo9Nb	Inconel 625	NA21		NC22FeDNb				N066
2.4858	NiCr21Mo	Inconel 825	NA16		NC21FeDU				N088

5,	VD	1 3323 34	Heat resistant super alloys			≤38HRc ≤350HB						
	W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UNS		
	2.4375	NiCu30Al	Monel k-500	NA18		NU30AT				N0550		
	2.4662	NiFe35Cr14MoTi	5660			Z5NCDT42				N0990		
	2.4668	NiCr19Fe19NbMo	Inconel 718	HR8		NC19eNB				N077		
	2.4670	S-NiCr13A16MoNb	5391	MAR-46		NC12AD						
	2.4694	NiCr16Fe7TiAl	Inconel							N077		
	2.4955	NiFe25Cr20NbTi										
	2.4964	CoCr20W15Ni	5772			KC20WN						
		CoCr22W14Ni	AMS5772			KC22WN						
VDI 3323 35		1 3323 35	Heat re super			Ni or Co based, cast				≤34HRc ≤320HB		
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN		
ľ	2.4669	NiCr15Fe7TiAl	Inconel X-750			NC15TNbA				N077		
	2.4685	G-NiMo28	Hastelloy b							N106		
	2.4810	G-NiMo30	Hastelloy C									
	2.4973	NiCr19Co11MoTi	AMS5399			NC19KDT						
	3.7115	TIAI5SN2								R545		
	VD	1 3323 36	Titaniur	n alloys		Pure Tita	nium		Tensile 400	stren Rm		
	W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UN		
	2.4674	NiCo15Cr10MoAlTi	AMS5397							N131		
	3.7025	Ti1	R50250	2TA1						R502		
	3.7225	Ti1pd	R52250	TP1						R522		
	VD	1 3323 37	Titaniur	n alloys	Alp	oha + Beta allo	ys, hard	ened	Tensile 1050	stren) Rm		
	W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UN		
	3.7124	TiCu2		2TA21-24								
	3.7145	TiAl6Sn2Zr4Mo2Si	R54620							R546		
	3.7165	TiAl6V4	AMSR56400	TA10-13		T-A6V						
	3.7185	TiAlMo4Sn2		TA45-51								
	3.7195	TiAl3V2.5								R563		
		TiAl4Mo4Sn4Si0.5										
		TiAl5Sn2.5	AMSR54520	TA14/17		T-A5E						
		Ti6Al4VELI	AMSR56401	TA11								

VD	01 3323 38	Harden	ed steel		Hardeneo	ł		≤55H ≤550I	
W. Nr	DIN	AISI/ASTM/ SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
1.1231	Ck67	1070	060A67	C67S	XC68	1770	C70	F.5103	
1.1248	Ck75	1078, 1080	060A78	C75S	XC75	1774	C75	F.5107	
1.1274	Ck101	1095	060A96	C100S	XC100	1870	C100	F.5117	
1.1545	C105W1	W1	BW2	C105U	Y1105	1880	C100KU	F.5118	
1.2762	75CrMoNiW67								
1.3401	GX120Mn12	A128(A)			Z120M12	2183	GX120Mn12	F.8251	
1.6746	32NiCrMo14-5		832M31	32NiCrMo145	35NCD14				
1.7176	55Cr3	5155	527A60	48	55C3	2253	55Cr3		
1.7225	42CrMo4	4140	708M40	42CrMo4	42CD4	2244	42CrMo4	F.1252	
VD	01 3323 39		ed steel		Hardeneo	d		>55H	Rc
W. Nr	DIN	AISI/ASTM/ SAE		EN	AFNOR	SS	UNI	UNE/IHA	UNS
To this g	roup belong all steels	s harden ed high	ner than 55HRo	;					
VD	01 3323 40	Chilled	cast iron		Cast			≤42H ≤400H	
W. Nr	DIN	AISI/ASTM/							
0.0000		SAE	BS	EN	AFNOR	SS	UNI	UNE/IHA	UNS
0.9620	GX260NiCr42		BS Grade 2A	EN GJN-HV250	AFNOR FBNi4Cr2BC	SS 0512	UNI	UNE/IHA	UNS
0.9620	GX260NiCr42 GX330NiCr42	SAE					UNI	UNE/IHA	UNS F45001
		SAE Ni-Hard 2	Grade 2A	GJN-HV250	FBNi4Cr2BC	0512	UNI	UNE/IHA	UNS F45001 F45000
0.9625	GX330NiCr42	SAE Ni-Hard 2 Ni.Hard 1	Grade 2A Grade 2B	GJN-HV250 GJN-HV550	FBNi4Cr2BC FBNi4Cr2HC	0512 0513	UNI	UNE/IHA	UNS F45001 F45000 F45003
0.9625 0.9630	GX330NiCr42 GX300CrNiSi952	SAE Ni-Hard 2 Ni.Hard 1	Grade 2A Grade 2B	GJN-HV250 GJN-HV550	FBNi4Cr2BC FBNi4Cr2HC	0512 0513	UNI	UNE/IHA	UNS F45001 F45000 F45003
0.9625 0.9630 09640	GX330NiCr42 GX300CrNiSi952 GX300CrMoNi1521	SAE Ni-Hard 2 Ni.Hard 1	Grade 2A Grade 2B Grade 2C	GJN-HV250 GJN-HV550	FBNi4Cr2BC FBNi4Cr2HC	0512 0513 0457		UNE/IHA	
0.9625 0.9630 09640 0.9650	GX330NiCr42 GX300CrNiSi952 GX300CrMoNi1521 GX260Cr27	SAE Ni-Hard 2 Ni.Hard 1	Grade 2A Grade 2B Grade 2C Grade 3D	GJN-HV250 GJN-HV550	FBNi4Cr2BC FBNi4Cr2HC	0512 0513 0457		UNE/IHA	UNS F45001 F45003 F45003 F45005
0.9625 0.9630 09640 0.9650 0.9655 1.4841	GX330NiCr42 GX300CrNiSi952 GX300CrMoNi1521 GX260Cr27 GX300CrNiMo271	SAE Ni-Hard 2 Ni-Hard 1 Ni-Hard 4 310	Grade 2A Grade 2B Grade 2C Grade 3D Grade 3E	GJN-HV250 GJN-HV550 GJN-HV600	FBNi4Cr2BC FBNi4Cr2HC FBCr9Ni5	0512 0513 0457 0466	UNI	UNE/IHA ≤55H ≤550	UNS F45001 F45003 F45005 S31400 Rc
0.9625 0.9630 09640 0.9650 0.9655 1.4841	GX330NiCr42 GX300CrNiSi952 GX300CrMoNi1521 GX260Cr27 GX300CrNiMo271 X15CrNiSi25-20	SAE Ni-Hard 2 Ni-Hard 1 Ni-Hard 4 310	Grade 2A Grade 2B Grade 2C Grade 3D Grade 3E 314S31	GJN-HV250 GJN-HV550 GJN-HV600	FBNi4Cr2BC FBNi4Cr2HC FBCr9Ni5 Z15CNS25-20	0512 0513 0457 0466	UNI		UNS F45001 F45003 F45005 S31400 Rc
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0.9625 0.9630 09640 0.9650 0.9655 1.4841 VD	GX330NiCr42 GX300CrNiSi952 GX300CrMoNi1521 GX260Cr27 GX300CrNiMo271 X15CrNiSi25-20 33223 41 DIN	SAE Ni-Hard 2 Ni-Hard 1 Ni-Hard 4 310 Hardened	Grade 2A Grade 2B Grade 2C Grade 3D Grade 3E 314S31 cast iron	GJN-HV250 GJN-HV550 GJN-HV600 X15CrNiSi2520	FBNi4Cr2BC FBNi4Cr2HC FBCr9Ni5 Z15CNS25-20 Hardened	0512 0513 0457 0466		≤55H ≤550ł	UNS F45000 F45003 F45005 S31400 Rc 1B