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Extended Material Examples for the WNT Cutting Data Tables

	Index	Material	Strength N/mm ² / HB / HRC
P	1.1	General construction steel	< 800 N/mm ²
	1.2	Free cutting steel	< 800 N/mm ²
	1.3	Hardened steel, non alloyed	< 800 N/mm ²
	1.4	Alloyed hardened steel	< 1000 N/mm ²
	1.5	Tempering steel, unalloyed	< 850 N/mm ²
	1.6	Tempering steel, unalloyed	< 1000 N/mm ²
	1.7	Tempering steel, alloyed	< 800 N/mm ²
	1.8	Tempering steel, alloyed	< 1300 N/mm ²
	1.9	Steel castings	< 850 N/mm ²
	1.10	Nitriding steel	< 1000 N/mm ²
	1.11	Nitriding steel	< 1200 N/mm ²
	1.12	Roller bearing steel	< 1200 N/mm ²
	1.13	Spring steel	< 1200 N/mm ²
	1.14	High-speed steel	< 1300 N/mm ²
	1.15	Cold working tool steel	< 1300 N/mm ²
	1.16	Hot working tool steel	< 1300 N/mm ²
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm ²
	2.2	Stainless steel, ferritic	< 750 N/mm ²
	2.3	Stainless steel, martensitic	< 900 N/mm ²
	2.4	Stainless steel, ferritic / martensitic	< 1100 N/mm ²
	2.5	Stainless steel, austenitic / ferritic	< 850 N/mm ²
	2.6	Stainless steel, austenitic	< 750 N/mm ²
	2.7	Heat resistant steel	< 1100 N/mm ²
K	3.1	Grey cast iron with lamellar graphite	100-350 N/mm ²
	3.2	Grey cast iron with lamellar graphite	300-500 N/mm ²
	3.3	Gray cast iron with spheroidal graphite	300-500 N/mm ²
	3.4	Gray cast iron with spheroidal graphite	500-900 N/mm ²
	3.5	White malleable cast iron	270-450 N/mm ²
	3.6	White malleable cast iron	500-900 N/mm ²
	3.7	Black malleable cast iron	300-450 N/mm ²
	3.8	Black malleable cast iron	500-800 N/mm ²
N	4.1	Aluminium (non alloyed, low alloyed)	< 350 N/mm ²
	4.2	Aluminium alloys < 0.5% Si	< 500 N/mm ²
	4.3	Aluminium alloy 0,5–10% Si	< 400 N/mm ²
	4.4	Aluminium alloys 10–15% Si	< 400 N/mm ²
	4.5	Aluminum alloys > 15% Si	< 400 N/mm ²
	4.6	Copper (non alloyed, low alloyed)	< 350 N/mm ²
	4.7	Copper wrought alloys	< 700 N/mm ²
	4.8	Special copper alloys	< 200 HB
	4.9	Special copper alloys	< 300 HB
	4.10	Special copper alloys	> 300 HB
	4.11	Short-chipping brass, bronze, red bronze	< 600 N/mm ²
	4.12	Long-chipping brass	< 600 N/mm ²
	4.13	Thermoplastics	
	4.14	Duroplastics	
	4.15	Fibre-reinforced plastics	
	4.16	Magnesium and magnesium alloys	< 850 N/mm ²
	4.17	Graphite	
	4.18	Tungsten and tungsten alloys	
	4.19	Molybdenum and molybdenum alloys	
S	5.1	Pure nickel	
	5.2	Nickel alloys	
	5.3	Nickel alloys	< 850 N/mm ²
	5.4	Nickel molybdenum alloys	
	5.5	Nickel alloys	< 1300 N/mm ²
	5.6	Cobalt Chrome Alloys	< 1300 N/mm ²
	5.7	Heat resistant alloys	< 1300 N/mm ²
	5.8	Nickel-cobalt-chromium alloys	< 1400 N/mm ²
	5.9	Pure titanium	< 900 N/mm ²
	5.10	Titanium alloys	< 700 N/mm ²
	5.11	Titanium alloys	< 1200 N/mm ²
H	6.1		< 45 HRC
	6.2		46-55 HRC
	6.3	Tempered steel	56-60 HRC
	6.4		61-65 HRC
	6.5		65-70 HRC

On the following 13 pages you will find an extension of the material examples to our usual indexes with additional international standards.

Overview of standards:

DIN

Deutsche Industrie Norm (German Standard)

AFNOR

Association Francaise de Normalisation (French Standard)

UNI

Unificazione Italiana (Italian Standard)

CSN

Czechoslovakian Standard

BS

British Standards

SIS

Standardiseringen i Sverige (Swedish Standard)

UNE

Spanish Standard

JIS

Japanese Industrial Standard

GOST

Soviet Standard

UNS

Unified Numbering System

USA

Under **USA** several American standards are summarized

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA	
1.1	1.0037	St 37-2	E 24-2		FE37	11 343				STKM 12 C				
	1.0044	St 44-2	E 28-2	Fe 430 B FN		11 443	4360-43 B	1412		SM 41 B			A 570 Gr. 40	
	1.0050	St 50-2	A 50-2	Fe 490		11 500	4360-50 B	2172		SS 50	BSt 5 ps; sp		A 570 Gr. 50	
	1.0060	St 60-2	A 60-2	Fe 590; Fe 60-2		11 600	4360-SSE; SSC			SM 58	St 6 ps; sp			
	1.0116	St 37-3	E 24-3; E 24-4	Fe 360 D FF		11 378	4360-40 C	1312; 1313			St 3 kp; ps; sp		A 573 Gr. 58	
	1.0570	St 52-3	E 36-3; E 36-4	Fe 510 B; C; D	FE52	11 523	4360-50 B	2132		SM 50 YA	17 GS			
1.2	1.0711	9 S 20		CF 9 S 22			220 M 07			SUM 21		G 12120	1212	
	1.0715	9 SMn 28	S 250	CF 9 SMn 28		11 109	230 M 07	1912	F-211 / F-2111	SUM 22		G 12130	1213	
	1.0718	9 SMnPb 28	S 250 Pb	CF 9 SMnPb 28	AVP			1914	F-212 / F-2112	SUM 22 L		G 12134	12 L 13	
	1.0721	10 S 20	10 F 1	CF 10 S 20		10 110	210 M 15		F-2121				1108	
	1.0722	10 SPb 20	10 PbF 2	CF 10 SPb 20					F-2122				11 L 08	
	1.0723	15 S 20					210 A 15	1922		SUM 32				
	1.0736	9 SMn 36	S 300	CF 9 SMn 36			240 M 07		F-2113			G 12150	1215	
	1.0737	9 SMnPb 36	S 300 Pb	CF 9 SMnPb 36					1926	F-2114			G 12144	12 L 14
	1.0726	35 S 20	35 MF 4			11 140	212 M 36	1957	F-210.G				G 11400	1140
	1.0727	45 S 20	45 MF 4				212 M 44	1973					G 11460	1146
	1.0728	60 S 20	60 MF 4											
	1.0757	46 SPb 2				PR 80								
1.3	1.0301	C 10	AF 34 C 10; XC 10	C 10		12 010	045 M 10			S 10 C	10	G 10100	1010	
	1.0401	C 15	AF3 7 C 12; XC 18	C 15; C 16		12 020	080 M 15	1350	F-111			G 10170	1015	
	1.0481	17 Mn 4				11 748								
	1.1121	Ck 10	XC 10	C 10		12 010	045 M 10	1265	F-1510	S 10 C; S 9 CK	08; 10	G 10100	1010	
	1.1141	Ck 15	XC 15; XC 18	C 15; C 16		12 020	080 M 15	1370	F-1511	S 15 C; S 15 CK	15	G 10170	1015	
1.4	1.5732	14 NiCr 10	14 NC 11	16 NiCr 11					F-1540	SNC 415 (H)			3415	
	1.5752	14 NiCr 14	12 NC 15			16 240	655 M 13		F-1540	SNC 815 (H)		G 33106	3310; 9314	
	1.5860	14 NiCr 18				16 523								
	1.5919	15 CrNi 6	16 NC 6	16 CrNi 4		16 220	S 107							
	1.5920	18 CrNi 8	20 NC 6			13 231								
	1.6523	21 NiCrMo 2	20 NCD 2	20 NiCrMo 2			805 M 20	2506	F-1522	SNM 220 (H)		G 86170	8620	
	1.6587	17 CrNiMo 6	18 NCD 6	18 NiCrMo 7			820 A 16							
	1.7012	13 Cr 2												
	1.7015	15 Cr 3	12 C 3			14 120	523 M 15			SCR 415 (H)	15Ch	G 50150	5015	
	1.7131	16 MnCr 5	16 MC 5	16 MnCr 5		14 220	527 M 17	2511	F-1516 / F-1517	SCR 415	18ChG	G 51170	5115	
	1.7139	16 MnCrS 5							F-150D					
	1.7147	20 MnCr 5	20 MC 5	20 MnCr 5		14 221				SMnC 420 (H)	18ChG	G 51200	5120	
	1.7149	20 MnCrS 5							F-1551					
	1.7262	15 CrMo 5	12 CD 4	12 CrMo 4						SCM 415 (H)				
	1.7264	20 CrMo 5	18 CD 4							SCM 421				
	1.7271	23 CrMoB 3 3												
	1.7311	20 CrMo 2							F-1523					
	1.7321	20 MoCr 4	20 CD 4											
1.7323	20 MoCrS 4	20 CD 4 S												
1.7325	25 MoCr 4	25 CD 4												
1.7326	25 MoCrS 4	25 CD 4 S												
1.5	1.0402	C 22	AF 42 C 20	C 20; C 21		12 024	050 A 20	1450	F-112		20	G 10200	1020	
	1.0406	C 25	AF 50 C 30	C 25		12 030	070 M 26						1025	
	1.0501	C 35	AF 55 C 35	C 35		12 040	060 A 35	1550	F-113		35	G 10350	1035	
	1.0503	C 45	AF 65 C 45	C 45		12 050	080 M 46	1650	F-114		45	G 10430	1045	
	1.0511	C 40	AF 60 C 40	C 40		12 041							1040	
	1.0528	C 30				12 031								
	1.0535	C 55	AF 70 C55	C 55		12 060	070 M 55	1655			55		1055	
	1.1151	Ck 22	XC 25; XC 18	C 20			050 A 20			S 20 C; S 20 CK	20			1023
1.1158	Ck 25	XC 25	C 25		12 030	070 M 26			S 25 C	25	G 10250	1025		

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA	
1.5	1.1178	Ck 30												
	1.1181	Ck 35	XC 38 H1;XC 32	C 35		12 040	080 M 36	1572		S 35 C	35	G 10340	1035	
	1.1186	Ck 40	XC 42 H1	C 40		12 041	080 M 40			S 40 C	40		1040	
	1.1191	Ck 45	XC 48	C 45		12 050	080 M 46	1672		S 45 C	45	G 10420	1045	
1.6	1.0540	C 50				12 051								
	1.0601	C 60	CC 55	C 60		12 061	080 A 62				60	G 10600	1060	
	1.1203	Ck 55	XC 55	C50		12 060	070 M 55			S 55 C	55		1055	
	1.1206	Ck 50	XC 48 H1			12 051	080 M 50				50		1050	
	1.1221	Ck 60	XC 60	C60		12 061	080 A 62	1665; 1678		S 58 C	60; 60G	G 10640	1060	
1.7	1.1133	20 Mn 5	20 M 5	G 22 Mn 3		42 2714	120 M 19		F-1515	SMnC 420		G 10220	1022; 1518	
	1.5121	46 MnSi 4												
	1.5131	50 MnSi 4												
	1.5141	53 MnSi 4												
	1.5710	36 NiCr 6	35 NC 6			16 240	640 A 35			SNC 236			3135	
	1.6546	40 NiCrMo 2.2	40 NCD 2	40 NiCrMo 2 (KB)			311-Type 7		F-1204	SNCM 240	38ChGNM	G 87400	8740	
	1.6565	40 NiCrMo 6	40 NCD 6				311-Type 6		F-1272	SNCM 439	40Ch2N2MA		4340	
	1.7003	38 Cr 2	38 C 2	38 Cr 2										
	1.7006	46 Cr 2	42 C 2	45 Cr 2									5045	
	1.7020	32 Cr 2												
	1.7030	28 Cr 4					530 A 30				30Ch		5130	
	1.7033	34 Cr 4	32 C 4	34 Cr 4 (KB)			530 A 32			SCr 430 (H)	35Ch	G 51320	5132	
	1.7218	25 CrMo 4	25 CD 4	25 CrMo 4 (KB)		15 130	1717 CDS 110	2225		SCM 420; SCM 430	30ChM	G 41300	4130	
	1.7220	34 CrMo 4	35 CD 4	35 CrMo 4		15 131	708 A 37	2234	F-1250	SCM 432; SCCrM 3	AS38ChGM	G 41350	4135; 4137	
	1.7223	41 CrMo 4	42 CD 4 TS	41 CrMo 4			708 M 40	2244		SCM 440	40 ChFA	G 41420	4142; 4140	
	1.7225	42 CrMo 4	42 CD 4	42 CrMo 4		15 142	708 M 40	2244	F-1252	SCM 440 (H)		G 41400	4142; 4140	
	1.7228	50 CrMo 4	50 CR MO4				708 A 47			SCM 445 (H)	50ChFA	G 41470	4150	
	1.8159	50 CrV 4	50 CV 4	51 CrV 4		15 260	735 A 50	2230		SUP 10	50ChGFA	G 61500	6150	
	1.8	1.1157	40 Mn 4	35 M 5				150 M 36				40G	G 10390	1039
		1.1165	30 Mn 5	35 M 5			13 141	120 M 36			SMn 433 H; SCMn 2	30GSL		1330
1.1167		36 Mn 5	40 M 5			42 2715	150 M 36	2120	F-1203	SMn 438 (H); SCMn 3	35G2; 35GL	G 13350	1335	
1.1170		28 Mn 6	20 M 5	C 28 Mn		13 141	150 M 28			SCMn 1	30G		1330	
1.3561		44 Cr 2												
1.3563		43 CrMo 4												
1.3565		48 CrMo 4	48 CD 4				817 M 40			SNC 836				
1.5120		38 MnSi 4												
1.5121		46 MnSi 4												
1.5122		37 MnSi 4				13 240								
1.5131		50 MnSi 4												
1.5141		53 MnSi 4												
1.5223		42 MnV 7				13 242								
1.5710		36 NiCr 6	35 NC 6			16 240	640 A 35			SNC 236			3135	
1.5736		36 NiCr 10	30 NC 11	35 NiCr 9						SNC 631 (H)			3435	
1.5755		31 NiCr 14	18 NC 13			16 440	653 M 31		F-123	SNC 836				
1.6511		36 CrNiMo 4	40 NCD 3	38 NiCrMo 4 (KB)		16 341	816 M 40		F-1280		40 ChN2MA	G 98400	9840	
1.6513		28 NiCrMo 4												
1.7003		38 Cr 2	38 C 2	38 Cr 2										
1.7006		46 Cr 2	42 C 2	45 Cr 2									5045	
1.7030	28 Cr 4					530 A 30				30Ch		5130		
1.7033	34 Cr 4	32 C 4	34 Cr 4 (KB)		PH 41 4141	530 A 32			SCr 430 (H)	35Ch	G 51320	5132		
1.7034	37 Cr 4	38 C 4	38 Cr 4		14 140	530 A 36		F-1201	SCr 435 H	40Ch		5135		
1.7035	41 Cr 4	42 C 4	41 Cr 4			530 M 40		F-1202 / F-1211	SCr 440 (H)	40Ch	G 51400	5140		
1.7218	25 CrMo 4	25 CD 4 S	25 CrMo 4 (KB)		15 130	1717 CDS 110	2225	F-222	SCM 420; SCM 430	30ChM	G 41300	4130		
1.7220	34 CrMo 4	35 CD 4	35 CrMo 4		15 131	708 A 37	2234	F-1250	SCM 432; SCCrM 3	AS38ChGM	G 41350	4135; 4137		

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA	
P	1.7223	41 CrMo 4	42 CD 4 TS	41 CrMo 4			708 M 40	2244		SCM 440	40 ChFA	G 41420	4142; 4140	
	1.7225	42 CrMo 4	42 CD 4	42 CrMo 4		15 142	708 M 40	2244		SCM 440 (H)		G 41400	4142; 4140	
	1.7228	50 CrMo 4	50 CR MO4				708 A 47			SCM 445 (H)	50ChFA	G 41470	4150	
	1.7561	42 CrV 6				15 241								
	1.7735	14 CrMoV 6 9	15 CDV 6											
	1.8159	50 CrV 4	50 CV 4	51 CrV 4		15 260	735 A 50	2230		SUP 10	50ChGFA	G 61500	6150	
	1.3563	43 CrMo 4												
	1.3565	48 CrMo 4					817 M 40			SNC 836				
	1.5120	38 MnSi 4												
	1.5121	46 MnSi 4												
	1.5122	37 MnSi 4					13 240							
	1.5223	42 MnV 7					13 242							
	1.5710	36 NiCr 6	35 NC 6				16 240	640 A 35			SNC 236			3135
	1.5736	36 NiCr 10	30 NC 11	35 NiCr 9							SNC 631 (H)			3435
	1.5864	35 NiCr 18					16 640			F-122				
	1.6511	36 CrNiMo 4	40 NCD 3	38 NiCrMo 4 (KB)			16 341	816 M 40				40 ChN2MA	G 98400	9840
	1.6580	30 CrNiMo 8	30 CND 8	30 NiCrMo 8				823 M 30		F-1272	SNCM 431			
	1.6582	34 CrNiMo 6	35 NCD 6	35 NiCrMo 6 (KW)			16 342	817 M 40	2541	F-128 / F-1270	SNCM 447	38Ch2N2MA		4340
	1.7033	34 Cr 4	32 C 4	34 Cr 4 (KB)				530 A 32			SCr 430 (H)	35Ch	G 51320	5132
	1.7034	37 Cr 4	38 C 4	38 Cr 4			14 140	530 A 36			SCr 435 H	40Ch		5135
	1.7035	41 Cr 4	42 C 4	41 Cr 4				530 M 40			SCr 440 (H)	40Ch	G 51400	5140
	1.7045	42 Cr 4	42 C 4 TS	41 Cr 4				530 A 40	2245		SCr 440	40Ch		5140
	1.7218	25 CrMo 4	25 CD 4 S	25 CrMo 4 (KB)			15 130	1717 CDS 110	2225		SCM 420; SCM 430	30ChM	G 41300	4130
	1.7220	34 CrMo 4	35 CD 4	35 CrMo 4			15 131	708 A 37	2234		SCM 432; SCCrM 3	AS38ChGM	G 41350	4135; 4137
	1.7223	41 CrMo 4	42 CD 4 TS	41 CrMo 4				708 M 40	2244		SCM 440	40 ChFA	G 41420	4142; 4140
	1.7225	42 CrMo 4	42 CD 4	42 CrMo 4			15 142	708 M 40	2244		SCM 440 (H)		G 41400	4142; 4140
	1.7228	50 CrMo 4	50 CR MO4					708 A 47			SCM 445 (H)	50ChFA	G 41470	4150
	1.7361	32 CrMo 12	30 CD 12	32 CrMo 12			15 230	722 M 24	2240	F-124A				
	1.7561	42 CrV 6					15 241							
	1.7707	30 CrMoV 9					15 330							
	1.7735	14 CrMoV 6 9												
	1.8159	50 CrV 4	50 CV 4	51 CrV 4			15 260	735 A 50	2230		SUP 10	50ChGFA	G 61500	6150
	1.8161	58 CrV 4					15 261							
1.9	0.9650	G-X 260 Cr 27												
	1.1118	GS-24 Mn 6				42 2714								
	1.1167	GS-36 Mn 5				42 2715								
	1.6511	GS-36 CrNiMo 4				16 341								
	1.6582	GS-34 CrNiMo 6				16 342								
	1.6750	GS-20 NiCrMo 3 7												
1.10	1.8504	34 CrAl 6				14 340								
	1.8506	34 CrAlSi 5										K 23745		
	1.8507	34 CrAlMo 5	30 CAD 6.12	34 CrAlMo 7			905 M 31		F-1741			K 23545	A 355 Cl. D	
	1.8509	41 CrAlMo 7	40 CAD 6.12	41 CrAlMo 7		15 340	905 M 39	2940	F-1740	SACM 645	38ChMJuA	K 24065	A 355 Cl. A	
1.11	1.8515	31 CrMo 12	30 CD 12	31 CrMo 12			722 M 24	2240	F-1712					
	1.8519	31 CrMoV 9							F-1721					
	1.8521	15 CrMoV 5 9												
	1.8523	39 CrMoV 13 9		36 CrMoV 13 9			897 M 39							
	1.8550	34 CrAlNi 7										K 52440		
1.12	1.3505	100 Cr 6	100 C 6	100 Cr 6		14 100	534 A 99	2258	F-131 / F-1310	SUJ 2	SchCh 15	G 52986	52100	
	1.3520	100 CrMn 6				14 209								
	1.3543	X 102 CrMo 17	Z 100 CD 17											

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
1.13	1.0904	55 Si 7	55 S 7	55 Si 8			250 A 53	2085; 2090			55S2		9255
	1.0961	60 SiCr 7	60 SC 7	60 SiCr 8						SUP 7			9262
	1.1231	Ck 67	XC 68	C 70		12 071	060 A 67	1770			70	G 10700	1070
	1.1248	Ck 75	XC 75	C 75		12 081	060 A 78	1774; 1778			75	G 10780	1078; 1080
	1.1274	Ck 101	XC 100				060 A 96	1870		SUP 4		G 10950	1095
	1.2101	62 SiMnCr 4											
	1.2103	58 SiCr 8				19 452							
	1.5026	55 Si 7											
	1.7103	67 SiCr 5											
	1.7176	55 Cr 3	55 C 3	55 Cr 3			527 A 60	2253	F-1431	SUP 9 (A)	50ChGA	G 51550	5155
1.8159	50 CrV 4	50 CV 4	51 CrV 4		15 260	735 A 50	2230	F-143 / F-1430	SUP 10	50ChGFA	G 61500	6150	
1.14	1.3202	S 12-1-4-5				19 858						T 12015	T15
	1.3207	S 10-4-3-10	Z 130 WKCDV 10-10-04	HS 10-4-3-10		19 861	BT 42		F-5553	SKH 57			
	1.3243	S 6-5-2-5	Z 85 WDKCV 06-05-05	HS 6-5-2-5		19 852		2723	F-5613	SKH 55	R6M5K5		
	1.3246	S 7-4-2-5	Z 110 WKCDV 07-05-04	HS 7-4-2-5		19 851						T 11341	M 41
	1.3247	S 2-10-1-8	Z 110 DKCWV 09-08-04	HS 2-9-1-8			BM 42			SKH 51		T 11342	M 42
	1.3249	S 2-9-2-8					BM 34					T 11333	M 33; M 34
	1.3255	S 18-1-2-5	Z 80 WKCV 18-05-04-0	HS 18-1-1-5		19 855	BT 4			SKH 3		T 12004	T 4
	1.3257	S 18-1-2-15											
	1.3265	S 18-1-2-10		HS 18-0-1-10		19 860	BT 5			SKH 4 A		T 12005	T 5
	1.3302	S 12-1-4				19 810							
	1.3318	S 12-1-2				19 802							
	1.3333	S 3-3-2		HS 3-3-2		19 820							
	1.3343	S 6-5-2	Z 85 WDCV 06-05-04-0	HS 6-5-2		19 830	BM 2	2722	F-5603	SKH 9; SKH 51	R6AM5	T 11302	M 2
	1.3344	S 6-5-3	Z 120 WDCV 06-05-04	HS 6-5-3			BM 4			SKH 52; SKH 53		T 11323	M 3 Cl. 2
	1.3346	S 2-9-1	Z 85 DCWV 08-04-02-0	HS 1-8-1			BM 1				H41	T 11301	H 41; M 1
	1.3348	S 2-9-2	Z 100 DCWV 09-04-02	HS 2-9-2				2782				T 11307	M 7
	1.3355	S 18-0-1	Z 80 WCV 18-04-01	HS 18-0-1		19 824	BT 1			SKH 2	R18	T 12001	T 1
	1.15	1.2067	100 Cr 6	Y 100 C 6				BL 3					T 61203
1.2080		X 210 Cr 12	Z 200 C 12	X 210 Cr 13 KU	K100	19 436	BD 3			SKD 1	Ch12	T 30403	D 3
1.2083		X 42 Cr 13	Z 40 C 14	X 41 Cr 13 KU	STAVAX	19 435			F-5263	SUS 420 J 2			
1.2101		62 SiMnCr 4											
1.2103		58 SiCr 8				19 452							
1.2108		90 CrSi 5											
1.2162		21 MnCr 5	20 NC 5			19 487				SCR 420 H			
1.2210		115 CrV 3	100 C 3	107 CrV 3 KU		19 421						T 61202	L 2
1.2312		40 CrMnMoS 8 6	40 CMD 8 + S										
1.2316		X 38 CrMo 17	Z 38 CD 17	X 38 CrMo 16 1 KU									
1.2330		35 CrMo 4	34 CD 4	35 CrMo 4			708 A 37	2234			35 HM	T 51620	4135
1.2332		47 CrMo 4	42 CD 4	40 CrMo 4			708 M 40	2244					4142
1.2341		X 6 CrMo 4											
1.2363		X 100 CrMoV 5 1	Z 100 CDV 5	X 100 CrMoV 5 1 KU		19 571	BA 2	2260	F-5227	SKD 12		T 30102	A 2
1.2369		81 CrMov 42 16											
1.2379		X 155 CrV Mo 12 1	Z 160 CDV 12	X 155 CrV-Mo 12 1 KU	K 110 / SVERKER 21	19 573	BD 2		F-5211	SKD 11		T 30402	D 2
1.2419		105 WCr 6	105 WC 13	107 WCr 5 KU						SKS 31	ChWG		
1.2436		X 210 CrW 12	Z 200 CW 12	X 215 CrW 12 1 KU		19 437		2312	F-5213	SKD 2			
1.2510		100 MnCrW 4	90 MWCV 5	95 MnWCr 5 KU		19 314	BO 1	2140	F-5220	SKS 3		T 31501	O 1
1.2516		120 WV 4	110 WC 20	110 W 4 KU		19 711	BF 1						
1.2542	45 WCrV 7		45 WCrV 8 KU		19 732	BS 1	2710				T 41901	S 1	
1.2550	60 WCrV 7	55 WC 20	55 WCrV 8 KU		19 735								
1.2601	X 165 CrMoV 12		X 165 CrMoW 12 KU		19 572		2310						
1.2711	54 NiCrMoV 6	55 NCDV 6			19 662								
1.2713	55 NiCrMoV 6	55 NCDV 7			19 662			F-520.S	SKT 4	5ChNM	T 61206	L 6	

	Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA	
P	1.16	1.2721	50 NiCr 13												
		1.2735	15 NiCr 14	10 NC 12			16 240				SNC 22		T 51606		
		1.2762	75 CrMoNiW 6 7												
		1.2764	X 19 NiCrMo 4												
		1.2767	X 45 NiCrMo 4	Y 35 NCD 16	42 NiCrMo 15 7		19 655								
		1.2826	60 MnSiCr 4												
		1.2833	100 V 1	Y1 105 V	102 V 2 KU		19 356	BW 2				SKS 43		T 72302	W 210
		1.2842	90 MnCrV 8	90 MV 8	90 MnVCr 8 KU		19 314	BO 2						T 31502	O 2
		1.2885	X 32 CrMoCoV 3 3 3	30 DCKV 28											
		1.6356	X 2 NiCoMoTi 18 12 4												
		1.6358	X 2 NiCoMoTi 18 9 5												
		1.6359	X 2 NiCrMo 18 8 5	Maraging 250											K 92890
		1.2311	40 CrMnMo 7				2311 / IMPAX SUPREME	19 520							
		1.2343	X 38 CrMoV 5 1	Z 38 CDV 5	X 37 CrMoV 5 1 KU			19 552	BH 11		F-5317	SKD 6	4Ch5MFS	T 28811	H 11
	1.2344	X 40 CrMoV 5 1	Z 40 CDV 5	X 40 CrMo 5 1 1 KU		ORVAR SUPREME	19 554	BH 13	2242	F-5318	SKD 61	4Ch5MF1S	T 20813	H 13	
	1.2365	X 32 CrMoV 3 3	32 DCV 28	30 CrMoV 12 27 KU			19 541	BH 10			SKD 7	3Ch3M3F	T 20810	H 10	
	1.2367	X 38 CrMoV 5 3													
	1.2567	X 30 WCrV 5 3	Z 32 WCV 5	X 30 WCrV 5 3 KU			19 720				SKD 4				
	1.2581	X 30 WCrV 9 3	Z 30 WCV 9	X 30 WCrV 9 3 KU			19 721	BH 21			SKD 5	3Ch2W8F	T 20821	H 21	
	1.2706	X 3 NiCrMo 18 8 5	E-Z 2 NKD 18				19 662							K 93120	
	1.2713	55 NiCrMoV 6	55 NCDV 7				19 662				SKT 4	5ChNM	T 61206	L 6	
	1.2714	56 NiCrMoV7				ALVAR14									
	1.2738	40 CrMnNiMo 8								F-5303					
	1.2744	57 NiCrMoV 7 7													
	M	2.1	1.3941	G-X 4 CrNi 18 13											
			1.3944	G-X 5 CrNi 18 11											
1.3951			G-X 4 CrNiMoN 22 15												
1.3952			G-X 4 CrNiMoN 18 14												
1.3953			G-X 2 CrNiMo 18 15												
1.3955			G-X 12 CrNi 18 11												
1.3959			G-X 10 CrNiNb 16 13												
1.3964			G-X 4 CrNiMnMoN 19 1												
1.4001			G-X 7 Cr 13	Z 8 C 13 FF				17 020			F-8401				
1.4006			G-X 10 Cr 13	Z 10 C 13 M				17 021			F-3401				
1.4008			G-X 8 CrNi 13	Z 12 CN 13 M				42 2904							
1.4027			G-X 20 Cr 14	Z 20 C 13 M				42 2906	420 C 29			SCS 2	20Ch13L		
1.4034			G-X 46 Cr 13	Z 40 C 14 M				17 024			F-3405				
1.4059			G-X 22 CrNi 17												
1.4085			G-X 70 Cr 29												
1.4086			G-X 120 Cr 29												
1.4107			G-X 8 CrNi 12					42 2904							
1.4120			G-X 20 CrMo 13												
1.4122			G-X 35 CrMo 17					17 137							
1.4136			G-X 70 CrMo 29 2												
1.4138			G-X 120 CrMo 29 2												
1.4306			G-X 2 CrNi 18 9					17 249			F-3503				
1.4308			G-X 6 CrNi 18 9	Z 6 CN 18.10 M				42 2930	304 C 15	2333	F-8411	SCS 13	07Ch18N9L		CF-8
1.4312			G-X 10 CrNi 18 8					42 2931							
1.4313			G-X 5 CrNi 13 4												
1.4339			G-X 32 CrNi 28 10												
1.4340	G-X 40 CrNi 27 4														
1.4347	G-X 8 CrNi 26 7														
1.4404	G-X 2 CrNiMo 18 10					17 349			F-3533						

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
	1.4405	G-X 5 CrNiMo 16 5											
	1.4407	G-X 5 CrNiMo 13 4											
	1.4408	G-X 6 CrNiMo 18 10				42 2940			F-8414				
	1.4414	G-X 4 CrNiMo 13 4											
	1.4437	G-X 6 CrNiMo 18 12				42 2940							
	1.4439	G-X 3 CrNiMo 17 13 5							F-3544				
	1.4446	G-X 2 CrNiMo 17 13 4											
	1.4448	G-X 6 CrNiMo 17 13											
	1.4463	G-X 6 CrNiMo 24 8 2											
	1.4464	G-X 40 CrNiMo 27 5											
	1.4465	G-X 2 CrNiMoN 25 25											
	1.4500	G-X 7 NiCrMoCuNb 25			F55 / 1.4501/ X 2 CrNiMoCuWN 25 7 4								
	1.4531	G-X 2 NiCrMoCuN 20 1											
	1.4536	G-X 2 NiCrMoCuN 25 2											
	1.4540	G-X 4 CrNiCuNb 16 4			17-4PH / 1.4542 / X 5 CrNiCuNb 16.4								
	1.4552	G-X 5 CrNiNb 18 9				42 2933			F-8413				
	1.4580	G-X 10 CrNiMoNb 18 1							F-3536				
	1.4581	G-X 5 CrNiMoNb 18 10	Z 4 CNDNb 18.12 M	GX 6 CrMoNb 20 11		42 2941	318 C 17			SCS 22			
	1.4585	G-X 7 CrNiMoCuNb 18											
	1.4729	G-X 40 CrSi 13											
	1.4740	G-X 40 CrSi 17											
	1.4743	G-X 160 CrSi 18											
	1.4745	G-X 40 CrSi 23											
	1.4761	G-X 120 CrSi 23											
	1.4776	G-X 40 CrSi 29											
	1.4777	G-X 130 CrSi 29											
M	2.1	1.4809	G-X 40 CrNi 23 14										
		1.4815	G-X 8 CrNi 19 10										
		1.4820	G-X 12 CrNi 26 5										
		1.4822	G-X 40 CrNi 24 5										
		1.4823	G-X 40 CrNiSi 27 4										
		1.4825	G-X 25 CrNiSi 18 9			42 2932							
		1.4826	G-X 40 CrNiSi 22 9			42 2934							
		1.4832	G-X 25 CrNiSi 20 14										
		1.4837	G-X 40 CrNiSi 25 12			42 2936							
		1.4840	G-X 15 CrNi 25 20										
		1.4848	G-X 40 CrNiSi 25 20		GX 40 CrNi 26 20	42 2952							
		1.4849	G-X 40 NiCrSiNb 38 1										
		1.4852	G-X 40 NiCrNb 35 25										
		1.4855	G-X 30 CrNiSiNb 24 2										
		1.4857	G-X 40 NiCrSi 35 25										
		1.4859	G-X 10 NiCrNb 32 20										
		1.4865	G-X 40 NiCrSi 38 18		GX 50 NiCr 39 19		330 C 40			SCH 15; SCH 16			
		1.4868	G-X 50 CrNi 30 30										
		1.4873	G-X 45 CrNiW 18 9										
		1.4927	G-X 5 CrNi 22 10										
		1.4928	G-X 12 CrNiMo-CoVN 12										
		1.4930	G-X 14 CrCoMo 13 10										
		1.4931	G-X 22 CrMoV 12 1										
		1.4957	G-X 15 CrNiCo 21 20										
		1.4968	G-X 7 CrNiNb 16 13										
		1.4988	G-X 8 CrNiMoVNb 16 1										
		1.6901	G-X 8 CrNi 18 10										

Index	Material number	DIN	AFNOR	UNI	Commercial Name	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA	
M	2.1	1.6902	G-X 6 CrNi 18 10											
		1.6905	G-X 5 CrNiNb 18 10											
		1.6982	G-X 3 CrNi 13 4											
	2.2	1.4000	X 6 Cr 13	Z 6 C 13	X 6 Cr 13		17 020	403 S 17	2301		SUS 403	08Ch13	S 40300	403
		1.4002	X 6 CrAl 13	Z 6 CA 13	X 6 CrAl 13			405 S 17	2302	F-3111	SUS 405		S 40500	405
		1.4016	X 6 Cr 17	Z 8 C 17	X 8 Cr 17		17 040	430 S 15	2320	F-3113	SUS 430	12Ch17	S 43000	430
		1.4105	X 4 CrMoS 18							F-3114				
		1.4510	X 6 CrTi 17	Z 8 CT 17	X 6 CrTi 17						SUS 430 LX	08Ch17T	S 43036	XM 8; 430 Ti
		1.4511	X 8 CrNb 17	Z 8 CNb 17	X 6 CrNb 17					F-3122	SUS 430 LX			
		1.4512	X 5 CrTi 12	Z 6 CT 12	X 6 CrTi 12			409 S 19		F-3121	SUH 409		S 40900	409
		1.4528	X 105 CrCoMo 18 2											
		2.3	1.4006	X 10 Cr 13	Z 12 C 13	X 12 Cr 13		17 021	410 S 21	2302	F-3401	SUS 410	12Ch13	S 41000
	1.4021		X 20 Cr 13	Z 20 C 13	X 20 Cr 13		17 022	420 S 37	2303	F-3402	SUS 420 J 1	20Ch13	S 42000	420
	1.4024		X 15 Cr 13	Z 13 C 13			17 021	420 S 29			SUS 410 J 1			
	1.4031		X 38 Cr 13	Z 40 C 14	X 40 Cr 14		17 024		2304	F-3404	SUS 420 J 2	40Ch13		
	1.4034		X 46 Cr 13	Z 40 C 14	X 40 Cr 14		17 029	420 S 45		F-3405		40Ch13		
	1.4057		X 20 CrNi 17 2	Z 15 CN 16.02	X 16 CrNi 16		17 145	431 S 29	2321	F-3427	SUS 431	20Ch17N2	S 43100	431
	1.4106		X 2 CrMoSiS 18 2 1											
	1.4108		X 100 CrMo 13											
	1.4109		X 65 CrMo 14											
	1.4112		X 90 CrMoV 18										S 44003	
	1.4113		X 6 CrMo 17	Z 8 CD 17.01	X 8 CrMo 17			434 S 17	2325	F-3116	SUS 434		S 43400	434
	1.4116		X 45 CrMoV 15							F-3422				
	1.4125		X 105 CrMo 17	Z 100 CD 17	X 105 CrMo 17						SUS 440 C		S 44004	440 C
	2.4		1.4028	X 30 Cr 13	Z 30 C 13	X 30 Cr 13	AISI 420	17 023	420 S 45	2304		SUS 420 J 2	30Ch13	
		1.4104	X 12 CrMoS 17	Z 10 CF 17	X 10 CrS 17		17 140		2383	F-3403	SUS 430 F		S 43020	430 F
		1.4313	X 5 CrNi 13 4	Z 5 CN 13.4	X 6 CrNi 13 04			425 C 11	2385		SCS 5			CA 6-NM
2.5	1.4410	X 2 CrNiMoN 25 7 4	Z2 CND 25 07 04 Az						F-3552				F53	
	1.4460	X 8 CrNiMo 27 5	Z5 CND 25 05 AZ										329 LN	
	1.4462	X 2 CrNiMoN 22 5 3	Z2 CND 22 05 03 AZ (Uranus 45 N)		SAF2205 – F51 – DUPLEX	17 381			F-3308			S 31803	329 A (F51)	
	1.4501	X 2 CrNiMoCuWN 25 7 4	Z2 CNDUW 25 07 04 Az (Zeron 100)									S 32760	F55	
	1.4507	X 2 CrNiMoCuN 25 6 3	Z3 CNDU 25 07 Az (Uranus 52 N)									S 32750	F61	
	1.4539	X 1 NiCrMoCu 25 20 5	Z2 NCDU 25 20 (Uranus B6)										904L	
	1.4542	X 7 CrNiCu 16 4 4	Z7 CNU 17 04 04 (17-4PH)										630	
	1.4547	X 1 CrNiMoCuN 20 18 17	Z1 CNDU 20 18 06 Az (254 SMO)										F44	
	1.4821	X 20 CrNiSi 25 4	Z20 CNS 25 04											
2.6		X 5 CrNiCu 15 5	E-25 CNU 15 05 (15-5PH)						F-3308					
	1.4301	X 5 CrNi 18 10	Z6 CN 18-09			17 240			F-3504				304	
	1.4305	X 8 CrNiS 18 9	Z8 CNF 18-03			17 243							303	
	1.4306	X 2 CrNi 19-11	Z3 CN 18-10			17 249			F-3503				304 L	
	1.4311	X 2 CrNiN 18 10				17 249							304 LN	
	1.4401	X 5 CrNiMo 17 12 2	Z6 CND 17 12 02			17 346			F-3543				316	
	1.4404	X 2 CrNiMo 17 12 2	Z3 CND 17 12 02			17 349							316 L	
	1.4429	X 2 CrNiMoN 17 11 2	Z3 CND 17 11 03 Az										316 LN	
	1.4449	X 3 CrNiMo 18 12 3												
	1.4541	X 6 CrNiTi 18 10				17 248							321	
	1.4550	X 10 CrNiNb 18-9	Z10 CNNb 18-10			17 245			F-3552 / F-3524				347	
	1.4568	X 7 CrNiAl 17 7											17-7 PH	
	1.4571	X 6 CrNiMoTi 17 12 2	Z 6 CNT 17.12	X 6 CrNiMoTi 17 12		17 348	320 S 31	2350	F-3535		10Ch17N-13M2T	S 31635	316 Ti	
	2.7	1.4747	X 80 CrNiSi 20											
1.4841		X 15 CrNiSi 25-20	Z15 CNS 25-20										314	
1.4876		X 10 NiCrAlTi 32 21	Z10 NCAT 32-21 (Incoloy 800)						F-3314					

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K	3.1	0.6010	GG-10	Ft 10 D	G 10		42 2410		01 10-00		FC 10	Sc 10		A48-20 B	
		0.6015	GG-15	Ft 15 D	G 15		42 2415	Grade 150	01 15-00	FG-15	FC 15	Sc 15		A48-25 B	
		0.6020	GG-20	Ft 20 D	G 20		42 2420	Grade 220	01 20-00	FG-20	FC 20	Sc 20		A48-30 B	
		0.6025	GG-25	Ft 25 D	G 25		42 2425	Grade 260	01 25-00	FG-25	FC 25	Sc 25		A48-40 B	
	3.2	0.6030	GG-30	Ft 30 D	G 30		42 2430	Grade 300	01 30-00	FG-30	FC 30	Sc 30		A48-45 B	
		0.6035	GG-35	Ft 35 D	G 35		42 2435	Grade 350	01 35-00	FG-35	FC 35	Sc 35		A48-50 B	
		0.6040	GG-40	Ft 40 D			42 2440	Grade 400	01 40-00			Sc 40		A48-60 B	
	3.3	0.7033	GGG-35.3				42 2303								
		0.7040	GGG-40	FGS 400-12	GS 400-12		42 2304	SNG 420/12	0717-02	FGE 38-17	FCD 40	VC 42-12			60 40 18
		0.7043	GGG-40.3	FGS 370-17	GSO 42/17		42 2314	SNG 370/17	0717-15			VC 42-12			
		0.7050	GGG-50	FGS 500-7	GS 500/7		42 2305	SNG 500/7	0727-02	FGE 50-7	FCD 50	VC 50-2			65-45-12
	3.4	0.7060	GGG-60	FGS 600-3	GS 600/3		42 2306	SNG 600/3	0732-03		FCD 60	VC 60-2			80-55-06
		0.7070	GGG-70	FGS 700-2	GS 700-2		42 2307	SNG 700/2	0737-01	FGS 70-2	FCD 70	VC 70-2			100-70-03
		0.7080	GGG-80	FGS 800-2	GS 800-2		42 2308	SNG 800/2				VC 80-2			120-90-02
	3.5	0.8035	GTW-35-04				42 2536				GTW 35				
		0.8040	GTW-40-05				42 2540								
		0.8045	GTW-45-07												
	3.6	0.8055	GTW-55												
		0.8065	GTW-65												
	3.7	0.8135	GTS-35-10	MN 35-10			42 2533	B 340/12			GTS 35				
0.8145		GTS-45-06				42 2545	P 440/7			GTS 45					
0.8155		GTS-55-04	MP 50-5			42 2555	P 510/4			GTS 55					
3.8	0.8165	GTS-65-02	MP 60-3				P 570/3			GTS 65					
	0.8170	GTS-70-02	IP 70-2				P 690/2			GTS 70					
N	4.1	3.0205	Al99	1200 (A4)	9001/1		42 4009			L-3001					
		3.0255	Al99.5	1050 A	9001/2		42 4004			L-3051					
		3.0256	E-Al H				42 4105								
		3.0275	Al99.7	1070 A			42 4003			L-3071					
		3.0285	Al99.8	1080 A (A8)			42 4002			L-3081					
		3.0305	Al99.9												
		3.3308	Al99,9Mg0,5												
	4.2	3.0515	AlMn1				42 4432				L-3810				
		3.1255	AlCuSiMn		9002/3	AVIONAL 14									2014
		3.1325	AlCuMg1	2017 A (AU4G)		AVIONAL 17				L-3120					2017 A
		3.1355	AlCuMg2	2024 (AU4G1)	9002/4	AVIONAL 24	42 4203			L-3140					2024
		3.1655	AlCuBiPb	2011 (AU5PbBi)	9002/5	11S				L-3192					2011
		3.3315	AlMg1	5005 (AlMg1)						L-3350					
		3.3545	AlMg4Mn	5086 (AG4MC)	9005/5	PERALUMAN 44				L-3322					5083
		3.3547	AlMg4,5Mn0,7	5083 (AlMg5Mn0,7)					N8	L-3321	A 5083				A95083
		3.4335	AlZn4,5Mg1	7020 (AZ5G)	9007/1	CARPENTAL	42 4441			L-3741					7020
		3.4365	AlZnMgCu1.5	7075 (AZ5GU)		ERGal	42 4222			L-3710					7075
	4.3	3.1371	G-AlCu4TiMg												
		3.1645	AlCuMgPb	2030 (AU4PB)			42 4254			L-3121					
		3.1841	G-AlCu4Ti												
3.2134		G-AlSi5Cu1Mg													
3.2151		G-AlSi6Cu4				42 4357									
3.2161		G-AlSi8Cu3													
3.2315		AlMgSi1		9006/4	ANTICORODAL 100	42 4400								6082	
3.2341		G-AlSi5Mg													
3.2371		G-AlSi7Mg				42 4334									
3.2373	G-AlSi9Mg				42 4331										
3.2381	G-AlSi10Mg				42 4331										
3.2383	G-AlSi10Mg(Cu)				42 4331										

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N	4.3	3.3206	AlMgSi0,5	6060 (AGS)		ANTICORODAL 63 – AL6060	42 4401			L-3441			6063	
		3.3207	E-AlMgSi0,5		9006/3	ALDREY								6101
		3.3214	AlMgSi0,5		9006/2	ANTICORODAL 61								6061
		3.3241	G-AlMg3Si											
		3.3261	G-AlMg5Si				42 4515							
		3.3292	GD-AlMg9				42 4519							
		3.3541	G-AlMg3											
		3.3543	G-AlMg3(Cu)											
		3.3561	G-AlMg5											
		3.3591	G-AlMg10											
	4.4	3.2581	G-AlSi12				42 4330							
		3.2583	G-AlSi12(Cu)				42 4330							
	4.5		G-AlSi18											
			G-AlSi17Cu4											
			G-AlSi25CuNiMg											
			G-AlSi21CuNiMg											
	4.6	2.0040	OF-Cu				42 3000							
		2.0060	E-Cu57				42 3001							
		2.0065	E-Cu58				42 3001							
		2.0070	SE-Cu											
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		2.1522	CuSi2Mn											
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		2.0853	CuNi1.5Si			CUPRONIKEL								
		2.0855	CuNi2Si			CUPRONIKEL	42 3054							
		2.0857	CuNi3Si			CUPRONIKEL								
		2.1160	CuPb1P											
		2.1191	CuAg0.1P											
		2.1203	CuAg0.1											
		2.1245	CuBe1.7			RAME BERILLIO								
		2.1247	CuBe2			RAME BERILLIO								
		2.1248	CuBe2Pb			RAME BERILLIO								
		2.1265	CuCd0.5											
		2.1266	CuCd1											
		2.1285	CuCo2Be											
		2.1310	CuFe2P											
		2.1322	CuMg0.4											
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		2.1356	CuMn3											
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2.1491	CuAsP													
2.1498	CuSP													
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4.8	2.0916	CuAl5												
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	2.0987	CuAl11Ni6Fe5												
		Ampco 18-26												

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	2.0371	CuZn38Pb1.5				42 3222								
	2.0375	CuZn36Pb3												
	2.0380	CuZn39Pb2				42 3223								
	2.0401	CuZn39Pb3												
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	2.0460	CuZn20Al2												
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	2.0490	CuZn31Si1												
	2.0500	CuZn23Al6Mn4Fe3												
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	2.0525	CuZn38SnAl												
	2.0530	CuZn38Sn1					42 3237							
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	2.0550	CuZn40Al2												
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	2.0261	CuZn28												
	2.0265	CuZn30				OT 67	42 3210							
	2.0280	CuZn33					42 3212							
	2.0321	CuZn37			C2700	OT 63	42 3213							
	2.0332	CuZn37Pb0.5												
	2.0335	CuZn36												
	2.0360	CuZn40					OT 60	42 3220						
	2.0372	CuZn39Pb0.5					42 3221							
	2.1080	CuSn6Zn6												
	2.1293	CuCrZr					42 3039							
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	PE	Dekalen	Natène	Carlona			Fertene			Novatec			Bakelite	
	PE	Ertalen		Escorene			Rumiten			Rexlon			Chemplex	
	PE	Hostalen								Sholex			Dylan	
	PE	Lupolen								Sumikathene			Fortiflex	
	PE	Supralen								Suntec			Marlex	
	PE	Symalen								Staflene			Microthene	
	PE	Vestolen								Yukalon			Paxon	
	PE												Petrothene	
	PE												Poly-Eth	
	PE												Rigidex	
	PE												Rotothene	
	PP	Daplen	Eitex P	Carlona P				Kastilen			Noblene			Pro-fax
	PP	Hostalen PP	Lacqtène P	Propathene				Moplen			Poly-Pro			Rexene
PP	Luparen	Napryl	Procom							Sho-Allomer			Tenite	
PP	Novolen		Propyply											
PP	Symalen PP		Propafoil											
PP	Vestolen PP													

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	PVC	Hostalit		Carina			Sicron			Nipolit			Geon	
	PVC	Mipolam		Corvic			Vipla			Vinika			Kohinor	
	PVC	Opalon		Scon			Viplast			Vinichlon			Marvinol	
	PVC	Rhodopas		Shell PVC									Pliovic	
	PVC	Soflex		Welvic									Vygen	
	PVC	Solvec												
	PVC	Supradur												
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			Makrolon, Novodur											
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4.15		Ferrozell, Bakelit												
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4.16		Resopal												
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		CFK												
4.17		AFK												
	3.5101	G-MgZn4SE1Zr1												
	3.5102	G-MgZn5Th2Zr1												
	3.5103	G-MgSE3Zn2Zr1												
	3.5105	G-MgTh3Zn2Zr1												
	3.5106	G-MgAg3Se2Zr1												
	3.5200	MgMn2												
	3.5312	MgAl3Zn												
	3.5470	GD-MgAl4Si1												
	3.5612	MgAl6Zn												
4.18		GD-MgAl6Zn1												
	3.5662	G-MgAl6												
	3.5812	MgAl8Zn				42 4911								
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	Graphit	R8340												
	Graphit	R8500X												
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	Graphit	Technograph 30												
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4.18		Union Poco EDM1												
		Union Poco EDM3												
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		W93NiFe (Denal)												
4.19		Mo, Mo-50Re												
		TZC, TZM												
4.19		MHC, ODS												

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	1.3926	RNi12				42 3484								
	1.3927	RNi8				42 3484								
5.2	1.3912	Ni36	Invar											
	1.3921	Ni49												
	1.3924	Ni54												
	2.4375	NiCu30Al	Monel K 500											
	2.4603	NiCr30FeMo	Hastelloy X											
	2.4617		Hastelloy B-2											
	2.4640	NiCr15Fe	Inconel 600											
	2.4668	NiCr19Fe18Nb5Mg	Inconel 718											
	2.4812		Hastelloy C											
	2.4816	NiCr15Fe	Inconel 600				NA 14			NCF 600		N 06600		
	2.4856	NiCr22Mo9Nb	Inconel 625											
	2.4858	NiCr21Mo					NA 16			NCF 825		N 08825		
	2.4983		Udimet 500											
	5.4	2.4610	NiMo16Cr16Ti	Hastelloy C-4										
		2.4886	SG-NiMo16Cr16W											
2.4819			Hastelloy C-276											
S	2.4360	NiCu30Fe	Monel 400			42 3431								
	2.4375	NiCu30Al	Monel K 500											
	2.4603	NiCr30FeMo	Hastelloy X											
	2.4630	NiCr20Ti	Nimonic 75				HR 5							
	2.4631	NiCr20TiAl	Nimonic 80 A				HR 401; 601			NCF 80 A		N 07080		
	2.4632	NiCr20Co18Ti	Nimonic 90											
	2.4634	NiCo20Cr15MoAlTi	Nimonic 105											
	2.4640	NiCr15Fe	Inconel 600											
	2.4662	NiCr13Mo6Ti3	Nimonic 901											
	2.4668	NiCr19Fe18Nb5Mg	Inconel 718											
	2.4670		Nimocast 713											
	2.4674		Nimocast PK 24											
	2.4812		Hastelloy C											
	2.4816	NiCr15Fe	Inconel 600				NA 14			NCF 600		N 06600		
	2.4856	NiCr22Mo9Nb	Inconel 625			INCONEL 625								
	2.4858	NiCr21Mo					NA 16			NCF 825		N 08825		
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	2.4952	NiCr20TiAl	Nimonic 80 A											
	2.4969	NiCr20Co18Ti	Nimonic 90											
	2.4973	NiCr19Co11MoTi												
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	2.6554		Waspaloy											
			Nimonic 80											
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		2.4964	CoCr20W15Ni											
		2.4979	CoCr28MoNi											
		2.4989	CoCr20NiW											
5.7	1.4718	X 45 CrSi 9 3	Z 45 CS 9	X 45 CrSi 8		17 115	401 S 45		F-3220	SUH 1	40Ch9S2	S 65007	HNV 3	
	1.4724	X 10 CrAl 13	Z 10 C 13	X 10 CrAl 12		17 125	403 S 17		F-3152		10Ch13SJu			
	1.4742	X 10 CrAl 18	Z 10 CAS 18	X 8 Cr 17			430 S 15		F-3153	SUS 430; SUH21			430	
	1.4747	X 80 CrNiSi 20	Z 80 CSN 20.02	X 80 CrSiNi 20			443 S 65			SUH 4		S 65006	HNV 6	
	1.4762	X 10 CrAl 24	Z 10 CAS 24	X 16 Cr 26		17 153			F-3154			S 44600	446	
	1.4828	X 15 CrNiSi 20 12	Z 15 CNS 20.12			17 251	309 S 24		F-3312	SUH 309	20Ch20N14S2	S 30900	309	
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		1.4935	X 20 CrMoWV 12 1												S 42200	
		1.4943	X 4 NiCrTi 25 15	Z 6 NCTDV 25.15 B						HR 251; HR 52; HR 51			SUH 660			
		1.4945	X 6 CrNiWNb 16 16													
		1.4962	X 12 CrNiWTi 16 3													
		1.4980	X 5 NiCrTi 26 15												S66286	
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		2.4851	NiCr23Fe, Inconel 601	Inconel 601												
		2.4667	SG-NiCr19NbMoTi													
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		3.7034	Ti99,7				TITANIO GRADO 2									
		3.7064	Ti99,5				TITANIO GRADO 4									
	5.10	3.7114	TiAl5Sn2													
		3.7124	TiCu2													
3.7174		TiAl6V6Sn2														
5.11	3.7144	TiAl6Sn2Zr4Mo2														
	3.7154	TiAl6Zr5														
	3.7165	TiAl6V4	T-A 6 V					TA 10 – TA 13					R 56400			
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