Solid drilling and bore machining

1 HSS drilling

2 Solid carbide drilling

3 Indexable insert drilling

4 Reaming and Countersinking

5 Spindle Tooling

Threading

6 Taps and thread formers

7 Circular and Thread Milling

8 Thread turning

Turning

9 Turning Tools

10 EcoCut

11 Grooving Tools

12 Miniature turning tools

Milling

13 HSS Milling Cutters

14 Solid Carbide milling cutters

15 Milling tools with indexable inserts

Tool Clamping

16 Adapters

17 Accessories

18 Material examples and article no. index

Extended Material Examples for the Cutting Data Tables

	Index	Material	Strength N/mm² / HB / HRC
P	1.1	General construction steel	< 800 N/mm²
	1.2	Free cutting steel	< 800 N/mm²
	1.3	Hardened steel, non alloyed	< 800 N/mm²
	1.4	Alloyed hardened steel	< 1000 N/mm²
	1.5	Tempering steel, unalloyed	< 850 N/mm²
	1.6	Tempering steel, unalloyed	< 1000 N/mm²
	1.7	Tempering steel, alloyed	< 800 N/mm²
	1.8	Tempering steel, alloyed	< 1300 N/mm²
	1.9	Steel castings	< 850 N/mm²
	1.10	Nitriding steel	< 1000 N/mm²
	1.11	Nitriding steel	< 1200 N/mm²
	1.12	Roller bearing steel	< 1200 N/mm²
	1.13	Spring steel	< 1200 N/mm²
	1.14	High-speed steel	< 1300 N/mm²
	1.15	Cold working tool steel	< 1300 N/mm²
	1.16	Hot working tool steel	< 1300 N/mm²
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm²
	2.2	Stainless steel, ferritic	< 750 N/mm²
	2.3	Stainless steel, martensitic	< 900 N/mm²
	2.4	Stainless steel, ferritic / martensitic	<1100 N/mm²
	2.5	Stainless steel, austenitic / ferritic	< 850 N/mm²
	2.6	Stainless steel, austenitic	< 750 N/mm²
	2.7	Heat resistant steel	< 1100 N/mm²
K	3.1	Grey cast iron with lamellar graphite	100–350 N/mm²
	3.2	Grey cast iron with lamellar graphite	300–500 N/mm²
	3.3	Gray cast iron with spheroidal graphite	300–500 N/mm²
	3.4	Gray cast iron with spheroidal graphite	500–900 N/mm²
	3.5	White malleable cast iron	270–450 N/mm²
	3.6	White malleable cast iron	500–650 N/mm²
	3.7	Black malleable cast iron	300–450 N/mm²
	3.8	Black malleable cast iron	500–800 N/mm²
N	4.1	Aluminium (non alloyed, low alloyed)	< 350 N/mm²
	4.2	Aluminium alloys < 0.5 % Si	< 500 N/mm²
	4.3	Aluminium alloy 0.5–10 % Si	< 400 N/mm²
	4.4	Aluminium alloys 10–15 % Si	< 400 N/mm²
	4.5	Aluminum alloys > 15 % Si	< 400 N/mm²
	4.6	Copper (non alloyed, low alloyed)	< 350 N/mm²
	4.7	Copper wrought alloys	< 700 N/mm²
	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/mm²
	4.12	Long-chipping brass	< 600 N/mm²
	4.13	Thermoplastics	
	4.14	Duroplastics	
	4.15	Fibre-reinforced plastics	
	4.16	Magnesium and magnesium alloys	< 850 N/mm²
	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/mm²
	5.4	Nickel molybdenum alloys	
	5.5	Nickel-chromium alloys	< 1300 N/mm²
	5.6	Cobalt Chrome Alloys	< 1300 N/mm²
	5.7	Heat resistant alloys	< 1300 N/mm²
	5.8	Nickel-cobalt-chromium alloys	< 1400 N/mm²
	5.9	Pure titanium	< 900 N/mm²
	5.10	Titanium alloys	< 700 N/mm²
	5.11	Titanium alloys	< 1200 N/mm²
H	6.1	Tempered steel	< 45 HRC
	6.2		46–55 HRC
	6.3		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 **I**ndustrie **N**orm (German Standard)

AFNOR

Association **F**rancaise de **N**ormalisation (French Standard)

UNI

Unificazione **I**taliana (Italian Standard)

ČSN

Czechoslovakian Standard

BS

British **S**tandards

SIS

Standardiseringen **i** **S**verige (Swedish Standard)

UNE

Spanish Standard

JIS

Japanese **I**ndustrial **S**tandard

GOST

Soviet Standard

UNS

Unified **N**umbering **S**ystem

USA

Under **USA** several American standards are summarized

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
P	1.1	1.0037	St 37-2	E 24-2		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	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			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										
	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	SNCM 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	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
P	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	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 CrAlS 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	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
P	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	L 3
		1.2080	X 210 Cr 12	Z 200 C 12	X 210 Cr 13 KU	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	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 36 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 CrVMo 12 1	Z 160 CDV 12	X 155 CrV-Mo 12 1 KU	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	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
P		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	
	1.16	1.2311	40 CrMnMo 7			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	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										
		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	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										
		1.4531	G-X 2 NiCrMoCuN 20 1										
		1.4536	G-X 2 NiCrMoCuN 25 2										
		1.4540	G-X 4 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	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	410; CA-15
		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	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)		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									
			X 5 CrNiCu 15 5	E-Z5 CNU 15 05 (15-5PH)					F-3308				
	2.6	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				

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
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				
	3.8	0.8155	GTS-55-04	MP 50-5		42 2555	P 510/4		GTS 55				
		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								2014
		3.1325	AlCuMg1	2017 A (AU4G)					L-3120				2017 A
		3.1355	AlCuMg2	2024 (AU4G1)	9002/4	42 4203			L-3140				2024
		3.1655	AlCuBiPb	2011 (AU5PbBi)	9002/5				L-3192				2011
		3.3315	AlMg1	5005 (AlMg1)					L-3350				
		3.3545	AlMg4Mn	5086 (AG4MC)	9005/5				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	42 4441			L-3741				7020
		3.4365	AlZnMgCu1.5	7075 (AZ5GU)		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	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							

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
N	4.3	3,3206	AlMgSi0,5	6060 (AGS)		42 4401			L-3441				6063
		3.3207	E-AlMgSi0,5		9006/3								6101
		3.3214	AlMgSi0,5		9006/2								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										
		2.0076	SW-Cu										
		2.0090	SF-Cu			42 3003							
		2.1522	CuSi2Mn										
	4.7	2.0205	CuZn0.5										
		2.0850	CuNi2Be										
		2.0853	CuNi1.5Si										
		2.0855	CuNi2Si			42 3054							
		2.0857	CuNi3Si										
		2.1160	CuPb1P										
		2.1191	CuAg0.1P										
		2.1203	CuAg0.1										
		2.1245	CuBe1.7										
		2.1247	CuBe2										
		2.1248	CuBe2Pb										
		2.1265	CuCd0.5										
		2.1266	CuCd1										
		2.1285	CuCo2Be										
		2.1310	CuFe2P										
		2.1322	CuMg0.4										
		2.1323	CuMg0.7										
		2.1356	CuMn3										
		2.1363	CuMn2										
		2.1366	CuMn5										
		2.1491	CuAsP										
		2.1498	CuSP										
		2.1546	CuTeP										
		2.1580	CuZr										
	4.8	2.0916	CuAl5										
		2.1525	CuSi3Mn										
			Ampco 8-16										
	4.9	2.0987	CuAl11Ni6Fe5										
			Ampco 18-26										

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
N	4.10	2.1247	CuBe2F125										
			Ampco M-4										
	4.11	2.0331	CuZn36Pb1.5			42 3214							
		2.0371	CuZn38Pb1.5			42 3222							
		2.0375	CuZn36Pb3										
		2.0380	CuZn39Pb2			42 3223							
		2.0401	CuZn39Pb3										
		2.0402	CuZn40Pb2			42 3223							
		2.0410	CuZn44Pb2										
		2.0460	CuZn20Al2										
		2.0470	CuZn28Sn1										
		2.0490	CuZn31Si1										
		2.0500	CuZn23Al6Mn-4Fe3										
		2.0510	CuZn37Al1			42 3231							
		2.0525	CuZn38SnAl										
		2.0530	CuZn38Sn1			42 3237							
		2.0540	CuZn35Ni2										
		2.0550	CuZn40Al2										
		2.0561	CuZn40Al1			42 3231							
		2.0572	CuZn40Mn1			42 3234							
		2.0580	CuZn40Mn1Pb										
	4.12	2.0220	CuZn5			42 3200							
		2.0230	CuZn10			42 3201							
		2.0240	CuZn15			42 3202							
		2.0250	CuZn20			42 3203							
		2.0261	CuZn28										
		2.0265	CuZn30			42 3210							
		2.0280	CuZn33			42 3212							
		2.0321	CuZn37		C2700	42 3213							
		2.0332	CuZn37Pb0.5										
		2.0335	CuZn36										
		2.0360	CuZn40			42 3220							
		2.0372	CuZn39Pb0.5			42 3221							
		2.1080	CuSn6Zn6										
		2.1293	CuCrZr			42 3039							
	4.13	PE	Baylon	Lacqtène	Alkathene		Eraclene			Mirason			Alathon
		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	Eltex 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										

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
N	4.13	PVC	Coroplast	Ekavyl	Breon		Raivinil	Pevikon		Nipeon			Dalvin
		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										
		PVC	Trosiplast										
		PVC	Trovidur										
		PVC	Vestolit										
		PVC	Vinidur										
		PVC	Vinnol										
		PVC	Vinoflex										
		PVC	Vinylite										
			Delrin, Hostalen										
			Makrolon, Novodur										
			Acrylglas										
	4.14		Ferrozell, Bakelit										
			Pertinax										
			Resopal										
	4.15		GFK										
			CFK										
			AFK										
	4.16	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										
		3.5612	GD-MgAl6Zn1										
		3.5662	G-MgAl6										
		3.5812	MgAl8Zn			42 4911							
		3.5812	G-MgAl8Zn1			42 4911							
		3.5912	G-MgAl9Zn1			42 4911							
	4.17	Graphit	R8340										
		Graphit	R8500X										
		Graphit	Technograph 15										
		Graphit	Technograph 30										
		Graphit	R8510										
		Graphit	R8650										
		Graphit	Union Poco EDM C-3										
		Graphit	Union Poco EDM1										
		Graphit	Union Poco EDM3										
	4.18		W-NiFe (Densimet W)										
			W-Cu80/20										
			W93NiFe (Denal)										
	4.19		Mo, Mo-50Re										
			TZC, TZM										
			MHC, ODS										

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
S	5.1	1.3911	RNi24			42 3481							
		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									
	5.5	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									
		2.4858	NiCr21Mo				NA 16			NCF 825		N 08825	
		2.4951	NiCr20Ti	Nimonic 75			HR 5						
		2.4952	NiCr20TiAl	Nimonic 80 A									
		2.4969	NiCr20Co18Ti	Nimonic 90									
		2.4973	NiCr19Co11MoTi										
		2.4983		Udimet 500									
		2.6554		Waspaloy									
				Nimonic 80									
	5.6	2.4711	CoCr20Ni15Mo										
		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
		1.4841	X 15 CrNiSi 25 20	Z 15 CNS 25.20	X 16 CrNiSi 25 20	17 255			F-3310	SUH 310	20Ch25N20S2	S 31000	314; 310

	Index	Material number	DIN	AFNOR	UNI	ČSN	BS	SIS	UNE	JIS	GOST	UNS	USA
S	5.7	1.4845	X 12 CrNi 25 21	Z 12 CN 25.20	X 6 CrNi 26 20	17 255	310 S24	2361		SUH 310; SUS 310 S		S 31008	310 S
		1.4864	X 12 NiCrSi 36 16	Z 12 NCS 37.18		17 253	NA 17		F-3313	SUH 330		N 08330	330
		1.4871	X 53 CrMnNiN 21 9	Z 52 CMN 21.09	X 53 CrMnNiN 21 9		349 S 54		F-3217	SUH 35; SUH 36	55Ch-20G9AN4	S 63008	EV 8
		1.4873	X 45 CrNiW 18 9	Z 35 CNWS 20.09	X 45 CrNiW 18 9		331 S 40			SUH 31			
		1.4876	X 10 NiCrAlTi 33 20	Z 8 NC 32.21		17 358	NA 15 (H)		F-3314	NCF 800			B 163
		1.4878	X 12 CrNiTi 18 9	Z 6 CNT 18.12 (B)	X 6 CrNiTi 18 11	17 246	321 S 20	2337		SUS 321	12Ch18N10T		321
		1.4923	X 22 CrMoV 12 1			17 134	762						
		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	
	5.8	2.4806	SG-NiCr20Nb, Inconel 82	Inconel 82									
		2.4851	NiCr23Fe, Inconel 601	Inconel 601									
		2.4667	SG-NiCr19NbMoTi										
	5.9	3.7025	Ti99,8										
		3.7034	Ti99,7										
		3.7064	Ti99,5										
	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	
		3.7184	TiAl4Mo4Sn2				TA 45 – TA 51						
H	6.1	< 45 HRC											
	6.2	46-55 HRC											
	6.3	56-60 HRC											
	6.4	61-65 HRC											
	6.5	66-70 HRC											

Article no.	Designation	Page(s)
10 103 ...	HSS drilling	1 / 31
10 105 ...	HSS drilling	1 / 9
10 106 ...	HSS drilling	1 / 9
10 107 ...	HSS drilling	1 / 9
10 109 ...	HSS drilling	1 / 9
10 110 ...	HSS drilling	1 / 9
10 112 ...	HSS drilling	1 / 15
10 113 ...	HSS drilling	1 / 9
10 122 ...	HSS drilling	1 / 8
10 124 ...	HSS drilling	1 / 16
10 130 ...	HSS drilling	1 / 9
10 152 ...	HSS drilling	1 / 17
10 158 ...	HSS drilling	1 / 24
10 161 ...	HSS drilling	1 / 17
10 168 ...	HSS drilling	1 / 17
10 169 ...	HSS drilling	1 / 23
10 170 ...	HSS drilling	1 / 17
10 171 ...	HSS drilling	1 / 17
10 172 ...	HSS drilling	1 / 23
10 173 ...	HSS drilling	1 / 17
10 175 ...	HSS drilling	1 / 17
10 180 ...	HSS drilling	1 / 25
10 181 ...	HSS drilling	1 / 25
10 200 ...	HSS drilling	1 / 26
10 210 ...	HSS drilling	1 / 26
10 215 ...	HSS drilling	1 / 26
10 223 ...	HSS drilling	1 / 25
10 224 ...	HSS drilling	1 / 25
10 225 ...	HSS drilling	1 / 26
10 226 ...	HSS drilling	1 / 40
10 228 ...	HSS drilling	1 / 40
10 235 ...	HSS drilling	1 / 29
10 245 ...	HSS drilling	1 / 30
10 255 ...	HSS drilling	1 / 30
10 265 ...	HSS drilling	1 / 32
10 270 ...	HSS drilling	1 / 26
10 280 ...	HSS drilling	1 / 32
10 285 ...	HSS drilling	1 / 31
10 295 ...	HSS drilling	1 / 33
10 297 ...	HSS drilling	1 / 33
10 305 ...	HSS drilling	1 / 34
10 315 ...	HSS drilling	1 / 34
10 320 ...	HSS drilling	1 / 41
10 330 ...	HSS drilling	1 / 41
10 340 ...	HSS drilling	1 / 42
10 350 ...	HSS drilling	1 / 44
10 355 ...	HSS drilling	1 / 41
10 365 ...	HSS drilling	1 / 41
10 375 ...	HSS drilling	1 / 42
10 405 ...	HSS drilling	1 / 43
10 415 ...	HSS drilling	1 / 38
10 425 ...	HSS drilling	1 / 38
10 435 ...	HSS drilling	1 / 38

Article no.	Designation	Page(s)
10 445 ...	HSS drilling	1 / 38
10 455 ...	HSS drilling	1 / 39
10 465 ...	HSS drilling	1 / 39
10 475 ...	HSS drilling	1 / 39
10 480 ...	HSS drilling	1 / 37
10 485 ...	HSS drilling	1 / 37
10 510 ...	HSS drilling	1 / 35
10 511 ...	HSS drilling	1 / 35
10 512 ...	HSS drilling	1 / 35
10 513 ...	HSS drilling	1 / 35
10 520 ...	HSS drilling	1 / 35
10 521 ...	HSS drilling	1 / 35
10 522 ...	HSS drilling	1 / 35
10 523 ...	HSS drilling	1 / 35
10 525 ...	HSS drilling	1 / 37
10 526 ...	HSS drilling	1 / 36
10 528 ...	HSS drilling	1 / 36
10 530 ...	HSS drilling	1 / 36
10 532 ...	HSS drilling	1 / 36
10 700 ...	Solid carbide drilling	2 / 20
10 702 ...	Solid carbide drilling	2 / 76
10 703 ...	Solid carbide drilling	2 / 76
10 704 ...	Solid carbide drilling	2 / 76
10 708 ...	Solid carbide drilling	2 / 78
10 709 ...	Solid carbide drilling	2 / 93
10 710 ...	Solid carbide drilling	2 / 37
10 712 ...	Solid carbide drilling	2 / 93
10 714 ...	Solid carbide drilling	2 / 93
10 716 ...	Solid carbide drilling	2 / 76
10 717 ...	Solid carbide drilling	2 / 76
10 718 ...	Solid carbide drilling	2 / 76
10 720 ...	Solid carbide drilling	2 / 31
10 721 ...	Solid carbide drilling	2 / 54
10 724 ...	Solid carbide drilling	2 / 77
10 726 ...	Solid carbide drilling	2 / 77
10 727 ...	Solid carbide drilling	2 / 77
10 730 ...	Solid carbide drilling	2 / 32
10 731 ...	Solid carbide drilling	2 / 9
10 732 ...	Solid carbide drilling	2 / 9
10 733 ...	Solid carbide drilling	2 / 21
10 734 ...	Solid carbide drilling	2 / 21
10 735 ...	Solid carbide drilling	2 / 38
10 736 ...	Solid carbide drilling	2 / 55
10 737 ...	Solid carbide drilling	2 / 63
10 740 ...	Solid carbide drilling	2 / 32
10 741 ...	Solid carbide drilling	2 / 32
10 745 ...	Solid carbide drilling	2 / 43
10 746 ...	Solid carbide drilling	2 / 43
10 749 ...	Solid carbide drilling	2 / 43
10 753 ...	Solid carbide drilling	2 / 60
10 760 ...	Solid carbide drilling	2 / 74
10 761 ...	Solid carbide drilling	2 / 73
10 762 ...	Solid carbide drilling	2 / 74

Article no.	Designation	Page(s)
10 767 ...	Solid carbide drilling	2 / 75
10 770 ...	Solid carbide drilling	2 / 60
10 771 ...	Solid carbide drilling	2 / 38
10 772 ...	Solid carbide drilling	2 / 75
10 773 ...	Solid carbide drilling	2 / 43
10 775 ...	Solid carbide drilling	2 / 71
10 776 ...	Solid carbide drilling	2 / 18
10 777 ...	Solid carbide drilling	2 / 19
10 778 ...	Solid carbide drilling	2 / 71
10 779 ...	Solid carbide drilling	2 / 72
10 781 ...	Solid carbide drilling	2 / 21
10 782 ...	Solid carbide drilling	2 / 55
10 786 ...	Solid carbide drilling	2 / 30
10 787 ...	Solid carbide drilling	2 / 43
10 789 ...	Solid carbide drilling	2 / 38
10 791 ...	Solid carbide drilling	2 / 43
10 792 ...	Solid carbide drilling	2 / 60
10 793 ...	Solid carbide drilling	2 / 63
10 794 ...	Solid carbide drilling	2 / 55
10 796 ...	Solid carbide drilling	2 / 63
10 820 ...	Indexable insert drilling	3 / 19
10 821 ...	Indexable insert drilling	3 / 35
10 830 ...	Indexable insert drilling	3 / 28
10 840 ...	Adapters	16 / 28
10 841 ...	Adapters	16 / 65
10 842 ...	Adapters	16 / 114
10 852 ...	Indexable insert drilling	3 / 20
10 853 ...	Indexable insert drilling	3 / 22
10 854 ...	Indexable insert drilling	3 / 24
10 855 ...	Indexable insert drilling	3 / 26
10 870 ...	Indexable insert drilling	3 / 37
10 871 ...	Indexable insert drilling	3 / 37
10 872 ...	Indexable insert drilling	3 / 6
10 873 ...	Indexable insert drilling	3 / 17
10 874 ...	Indexable insert drilling	3 / 10
10 875 ...	Indexable insert drilling	3 / 16
10 881 ...	Indexable insert drilling	3 / 27
10 892 ...	Indexable insert drilling	3 / 32
10 893 ...	Indexable insert drilling	3 / 30
10 894 ...	Indexable insert drilling	3 / 31
10 911 ...	Solid carbide drilling	2 / 89
10 912 ...	Solid carbide drilling	2 / 91
10 913 ...	Solid carbide drilling	2 / 89
10 914 ...	Solid carbide drilling	2 / 81
10 915 ...	Solid carbide drilling	2 / 90
10 916 ...	Solid carbide drilling	2 / 81
10 917 ...	Solid carbide drilling	2 / 82
10 918 ...	Solid carbide drilling	2 / 90
10 919 ...	Solid carbide drilling	2 / 83
10 921 ...	Solid carbide drilling	2 / 83
10 922 ...	Solid carbide drilling	2 / 83
10 923 ...	Solid carbide drilling	2 / 83
10 924 ...	Solid carbide drilling	2 / 83

Article no.	Designation	Page(s)
10 925 ...	Solid carbide drilling	2 / 80
11 016 ...	Solid carbide drilling	2 / 67
11 017 ...	Solid carbide drilling	2 / 67
11 020 ...	Solid carbide drilling	2 / 67
11 021 ...	Solid carbide drilling	2 / 67
11 025 ...	Solid carbide drilling	2 / 68
11 026 ...	Solid carbide drilling	2 / 68
11 030 ...	Solid carbide drilling	2 / 68
11 031 ...	Solid carbide drilling	2 / 68
11 040 ...	Solid carbide drilling	2 / 69
11 050 ...	Solid carbide drilling	2 / 69
11 600 ...	Solid carbide drilling	2 / 14
11 601 ...	Solid carbide drilling	2 / 14
11 603 ...	Solid carbide drilling	2 / 25
11 604 ...	Solid carbide drilling	2 / 25
11 606 ...	Solid carbide drilling	2 / 36
11 607 ...	Solid carbide drilling	2 / 36
11 609 ...	Solid carbide drilling	2 / 50
11 610 ...	Solid carbide drilling	2 / 50
11 612 ...	Solid carbide drilling	2 / 59
11 615 ...	Solid carbide drilling	2 / 66
11 620 ...	Solid carbide drilling	2 / 14
11 621 ...	Solid carbide drilling	2 / 14
11 623 ...	Solid carbide drilling	2 / 25
11 624 ...	Solid carbide drilling	2 / 25
11 629 ...	Solid carbide drilling	2 / 50
11 630 ...	Solid carbide drilling	2 / 50
11 770 ...	Solid carbide drilling	2 / 70
11 776 ...	Solid carbide drilling	2 / 9
11 777 ...	Solid carbide drilling	2 / 9
11 778 ...	Solid carbide drilling	2 / 9
11 779 ...	Solid carbide drilling	2 / 21
11 780 ...	Solid carbide drilling	2 / 21
11 781 ...	Solid carbide drilling	2 / 21
11 782 ...	Solid carbide drilling	2 / 32
11 783 ...	Solid carbide drilling	2 / 32
11 784 ...	Solid carbide drilling	2 / 32
11 785 ...	Solid carbide drilling	2 / 38
11 786 ...	Solid carbide drilling	2 / 38
11 787 ...	Solid carbide drilling	2 / 38
11 788 ...	Solid carbide drilling	2 / 55
11 789 ...	Solid carbide drilling	2 / 55
11 790 ...	Solid carbide drilling	2 / 55
22 001 ...	Taps and thread formers	6 / 46
22 006 ...	Taps and thread formers	6 / 52
22 007 ...	Taps and thread formers	6 / 53
22 016 ...	Taps and thread formers	6 / 46
22 018 ...	Taps and thread formers	6 / 56
22 020 ...	Taps and thread formers	6 / 24
22 021 ...	Taps and thread formers	6 / 24
22 022 ...	Taps and thread formers	6 / 24
22 023 ...	Taps and thread formers	6 / 24
22 028 ...	Taps and thread formers	6 / 52

Article no.	Designation	Page(s)
22 029 ...	Taps and thread formers	6 / 53
22 030 ...	Taps and thread formers	6 / 52
22 031 ...	Taps and thread formers	6 / 53
22 032 ...	Taps and thread formers	6 / 54
22 033 ...	Taps and thread formers	6 / 55
22 036 ...	Taps and thread formers	6 / 54
22 037 ...	Taps and thread formers	6 / 55
22 038 ...	Taps and thread formers	6 / 26
22 039 ...	Taps and thread formers	6 / 26
22 040 ...	Taps and thread formers	6 / 42
22 041 ...	Taps and thread formers	6 / 42
22 042 ...	Taps and thread formers	6 / 42
22 044 ...	Taps and thread formers	6 / 41
22 045 ...	Taps and thread formers	6 / 41
22 046 ...	Taps and thread formers	6 / 41
22 047 ...	Taps and thread formers	6 / 41
22 053 ...	Taps and thread formers	6 / 25
22 055 ...	Taps and thread formers	6 / 25
22 056 ...	Taps and thread formers	6 / 26
22 057 ...	Taps and thread formers	6 / 26
22 058 ...	Taps and thread formers	6 / 26
22 059 ...	Taps and thread formers	6 / 26
22 060 ...	Taps and thread formers	6 / 26
22 061 ...	Taps and thread formers	6 / 26
22 072 ...	Taps and thread formers	6 / 39
22 073 ...	Taps and thread formers	6 / 44
22 075 ...	Taps and thread formers	6 / 27
22 076 ...	Taps and thread formers	6 / 44
22 077 ...	Taps and thread formers	6 / 27
22 078 ...	Taps and thread formers	6 / 48
22 080 ...	Taps and thread formers	6 / 48
22 081 ...	Taps and thread formers	6 / 27
22 082 ...	Taps and thread formers	6 / 40
22 083 ...	Taps and thread formers	6 / 40
22 084 ...	Taps and thread formers	6 / 40
22 085 ...	Taps and thread formers	6 / 40
22 086 ...	Taps and thread formers	6 / 43
22 087 ...	Taps and thread formers	6 / 43
22 088 ...	Taps and thread formers	6 / 43
22 089 ...	Taps and thread formers	6 / 43
22 090 ...	Taps and thread formers	6 / 42
22 091 ...	Taps and thread formers	6 / 42
22 092 ...	Taps and thread formers	6 / 25
22 093 ...	Taps and thread formers	6 / 25
22 098 ...	Taps and thread formers	6 / 30
22 100 ...	Taps and thread formers	6 / 59
22 101 ...	Taps and thread formers	6 / 59
22 104 ...	Taps and thread formers	6 / 60
22 105 ...	Taps and thread formers	6 / 60
22 106 ...	Taps and thread formers	6 / 60
22 107 ...	Taps and thread formers	6 / 60
22 108 ...	Taps and thread formers	6 / 60
22 112 ...	Taps and thread formers	6 / 59

Article no.	Designation	Page(s)
22 114 ...	Taps and thread formers	6 / 61
22 115 ...	Taps and thread formers	6 / 61
22 118 ...	Taps and thread formers	6 / 61
22 120 ...	Taps and thread formers	6 / 25
22 121 ...	Taps and thread formers	6 / 25
22 122 ...	Taps and thread formers	6 / 57
22 123 ...	Taps and thread formers	6 / 57
22 124 ...	Taps and thread formers	6 / 44
22 127 ...	Taps and thread formers	6 / 24
22 128 ...	Taps and thread formers	6 / 59
22 136 ...	Taps and thread formers	6 / 59
22 138 ...	Taps and thread formers	6 / 40
22 139 ...	Taps and thread formers	6 / 40
22 140 ...	Taps and thread formers	6 / 27
22 142 ...	Taps and thread formers	6 / 27
22 144 ...	Taps and thread formers	6 / 78
22 146 ...	Taps and thread formers	6 / 78
22 147 ...	Taps and thread formers	6 / 24
22 148 ...	Taps and thread formers	6 / 23
22 149 ...	Taps and thread formers	6 / 36
22 154 ...	Taps and thread formers	6 / 60
22 159 ...	Taps and thread formers	6 / 28
22 160 ...	Taps and thread formers	6 / 28
22 163 ...	Taps and thread formers	6 / 44
22 164 ...	Taps and thread formers	6 / 44
22 166 ...	Taps and thread formers	6 / 97
22 171 ...	Taps and thread formers	6 / 79
22 173 ...	Taps and thread formers	6 / 79
22 176 ...	Taps and thread formers	6 / 74
22 177 ...	Taps and thread formers	6 / 74
22 179 ...	Taps and thread formers	6 / 80
22 182 ...	Taps and thread formers	6 / 72
22 186 ...	Taps and thread formers	6 / 71
22 188 ...	Taps and thread formers	6 / 74
22 189 ...	Taps and thread formers	6 / 74
22 193 ...	Taps and thread formers	6 / 66
22 196 ...	Taps and thread formers	6 / 81
22 197 ...	Taps and thread formers	6 / 81
22 200 ...	Taps and thread formers	6 / 80
22 202 ...	Taps and thread formers	6 / 70
22 204 ...	Taps and thread formers	6 / 81
22 205 ...	Taps and thread formers	6 / 81
22 209 ...	Taps and thread formers	6 / 79
22 210 ...	Taps and thread formers	6 / 66
22 227 ...	Taps and thread formers	6 / 55
22 228 ...	Taps and thread formers	6 / 55
22 233 ...	Taps and thread formers	6 / 29
22 234 ...	Taps and thread formers	6 / 29
22 238 ...	Taps and thread formers	6 / 71
22 250 ...	Taps and thread formers	6 / 90
22 266 ...	Taps and thread formers	6 / 92
22 267 ...	Taps and thread formers	6 / 92
22 269 ...	Taps and thread formers	6 / 90

Article no.	Designation	Page(s)
22 270 ...	Taps and thread formers	6 / 94
22 271 ...	Taps and thread formers	6 / 94
22 280 ...	Taps and thread formers	6 / 64
22 297 ...	Taps and thread formers	6 / 28
22 298 ...	Taps and thread formers	6 / 28
22 302 ...	Taps and thread formers	6 / 101
22 303 ...	Taps and thread formers	6 / 101
22 307 ...	Taps and thread formers	6 / 100
22 308 ...	Taps and thread formers	6 / 100
22 312 ...	Taps and thread formers	6 / 103
22 313 ...	Taps and thread formers	6 / 103
22 317 ...	Taps and thread formers	6 / 98
22 324 ...	Taps and thread formers	6 / 43
22 326 ...	Taps and thread formers	6 / 43
22 328 ...	Taps and thread formers	6 / 39
22 329 ...	Taps and thread formers	6 / 39
22 339 ...	Taps and thread formers	6 / 88
22 346 ...	Taps and thread formers	6 / 83
22 347 ...	Taps and thread formers	6 / 88
22 352 ...	Taps and thread formers	6 / 83
22 354 ...	Taps and thread formers	6 / 86
22 355 ...	Taps and thread formers	6 / 86
22 358 ...	Taps and thread formers	6 / 86
22 359 ...	Taps and thread formers	6 / 89
22 360 ...	Taps and thread formers	6 / 89
22 361 ...	Taps and thread formers	6 / 108
22 364 ...	Taps and thread formers	6 / 106
22 365 ...	Taps and thread formers	6 / 106
22 371 ...	Taps and thread formers	6 / 106
22 372 ...	Taps and thread formers	6 / 106
22 374 ...	Taps and thread formers	6 / 107
22 375 ...	Taps and thread formers	6 / 107
22 402 ...	Taps and thread formers	6 / 109
22 406 ...	Taps and thread formers	6 / 39
22 407 ...	Taps and thread formers	6 / 39
22 409 ...	Taps and thread formers	6 / 100
22 416 ...	Taps and thread formers	6 / 37
22 417 ...	Taps and thread formers	6 / 37
22 421 ...	Taps and thread formers	6 / 98
22 422 ...	Taps and thread formers	6 / 47
22 423 ...	Taps and thread formers	6 / 47
22 424 ...	Taps and thread formers	6 / 44
22 425 ...	Taps and thread formers	6 / 44
22 441 ...	Taps and thread formers	6 / 69
22 443 ...	Taps and thread formers	6 / 39
22 444 ...	Taps and thread formers	6 / 39
22 449 ...	Taps and thread formers	6 / 38
22 450 ...	Taps and thread formers	6 / 38
22 452 ...	Taps and thread formers	6 / 61
22 453 ...	Taps and thread formers	6 / 61
22 454 ...	Taps and thread formers	6 / 61
22 490 ...	Taps and thread formers	6 / 69
22 491 ...	Taps and thread formers	6 / 69
22 498 ...	Taps and thread formers	6 / 41
22 499 ...	Taps and thread formers	6 / 41
22 500 ...	Taps and thread formers	6 / 45
22 501 ...	Taps and thread formers	6 / 21
22 502 ...	Taps and thread formers	6 / 22
22 503 ...	Taps and thread formers	6 / 21
22 504 ...	Taps and thread formers	6 / 22
22 505 ...	Taps and thread formers	6 / 21
22 508 ...	Taps and thread formers	6 / 21
22 509 ...	Taps and thread formers	6 / 22
22 510 ...	Taps and thread formers	6 / 21
22 511 ...	Taps and thread formers	6 / 22
22 514 ...	Taps and thread formers	6 / 29
22 515 ...	Taps and thread formers	6 / 29
22 518 ...	Taps and thread formers	6 / 35
22 519 ...	Taps and thread formers	6 / 35
22 520 ...	Taps and thread formers	6 / 35
22 521 ...	Taps and thread formers	6 / 35
22 522 ...	Taps and thread formers	6 / 35
22 523 ...	Taps and thread formers	6 / 35
22 524 ...	Taps and thread formers	6 / 36
22 525 ...	Taps and thread formers	6 / 36
22 526 ...	Taps and thread formers	6 / 36
22 527 ...	Taps and thread formers	6 / 36
22 532 ...	Taps and thread formers	6 / 35
22 533 ...	Taps and thread formers	6 / 35
22 534 ...	Taps and thread formers	6 / 36
22 535 ...	Taps and thread formers	6 / 36
22 538 ...	Taps and thread formers	6 / 47
22 539 ...	Taps and thread formers	6 / 47
22 542 ...	Taps and thread formers	6 / 23
22 543 ...	Taps and thread formers	6 / 23
22 544 ...	Taps and thread formers	6 / 37
22 545 ...	Taps and thread formers	6 / 37
22 546 ...	Taps and thread formers	6 / 37
22 548 ...	Taps and thread formers	6 / 70
22 549 ...	Taps and thread formers	6 / 70
22 550 ...	Taps and thread formers	6 / 65
22 551 ...	Taps and thread formers	6 / 66
22 552 ...	Taps and thread formers	6 / 66
22 553 ...	Taps and thread formers	6 / 70
22 554 ...	Taps and thread formers	6 / 70
22 555 ...	Taps and thread formers	6 / 69
22 556 ...	Taps and thread formers	6 / 69
22 563 ...	Taps and thread formers	6 / 70
22 566 ...	Taps and thread formers	6 / 38
22 567 ...	Taps and thread formers	6 / 38
22 570 ...	Taps and thread formers	6 / 66
22 572 ...	Taps and thread formers	6 / 90
22 573 ...	Taps and thread formers	6 / 90
22 582 ...	Taps and thread formers	6 / 92
22 583 ...	Taps and thread formers	6 / 92
22 587 ...	Taps and thread formers	6 / 65
22 590 ...	Taps and thread formers	6 / 65
22 592 ...	Taps and thread formers	6 / 23
22 593 ...	Taps and thread formers	6 / 23
22 594 ...	Taps and thread formers	6 / 37
22 595 ...	Taps and thread formers	6 / 37
22 596 ...	Taps and thread formers	6 / 23
22 597 ...	Taps and thread formers	6 / 23
22 601 ...	Taps and thread formers	6 / 71
22 602 ...	Taps and thread formers	6 / 98
22 603 ...	Taps and thread formers	6 / 98
22 606 ...	Taps and thread formers	6 / 100
22 607 ...	Taps and thread formers	6 / 100
22 624 ...	Taps and thread formers	6 / 86
22 630 ...	Taps and thread formers	6 / 83
22 632 ...	Taps and thread formers	6 / 83
22 633 ...	Taps and thread formers	6 / 85
22 634 ...	Taps and thread formers	6 / 85
22 635 ...	Taps and thread formers	6 / 85
22 636 ...	Taps and thread formers	6 / 85
22 639 ...	Taps and thread formers	6 / 85
22 662 ...	Taps and thread formers	6 / 63
22 663 ...	Taps and thread formers	6 / 63
22 664 ...	Taps and thread formers	6 / 64
22 665 ...	Taps and thread formers	6 / 64
22 668 ...	Taps and thread formers	6 / 95
22 670 ...	Taps and thread formers	6 / 95
22 672 ...	Taps and thread formers	6 / 96
22 676 ...	Taps and thread formers	6 / 104
22 677 ...	Taps and thread formers	6 / 104
22 680 ...	Taps and thread formers	6 / 105
22 806 ...	Taps and thread formers	6 / 55
22 817 ...	Taps and thread formers	6 / 78
23 010 ...	Taps and thread formers	6 / 31
23 021 ...	Taps and thread formers	6 / 31
23 026 ...	Taps and thread formers	6 / 49
23 027 ...	Taps and thread formers	6 / 49
23 041 ...	Taps and thread formers	6 / 67
23 047 ...	Taps and thread formers	6 / 75
23 110 ...	Taps and thread formers	6 / 31
23 111 ...	Taps and thread formers	6 / 31
23 112 ...	Taps and thread formers	6 / 31
23 113 ...	Taps and thread formers	6 / 31
23 114 ...	Taps and thread formers	6 / 32
23 115 ...	Taps and thread formers	6 / 32
23 116 ...	Taps and thread formers	6 / 32
23 117 ...	Taps and thread formers	6 / 32
23 118 ...	Taps and thread formers	6 / 49
23 119 ...	Taps and thread formers	6 / 49
23 120 ...	Taps and thread formers	6 / 49
23 121 ...	Taps and thread formers	6 / 49
23 122 ...	Taps and thread formers	6 / 49
23 123 ...	Taps and thread formers	6 / 49
23 124 ...	Taps and thread formers	6 / 49

Article no.	Designation	Page(s)
23 125 ...	Taps and thread formers	6 / 49
23 126 ...	Taps and thread formers	6 / 50
23 127 ...	Taps and thread formers	6 / 50
23 140 ...	Taps and thread formers	6 / 68
23 141 ...	Taps and thread formers	6 / 68
23 142 ...	Taps and thread formers	6 / 68
23 143 ...	Taps and thread formers	6 / 68
23 144 ...	Taps and thread formers	6 / 76
23 145 ...	Taps and thread formers	6 / 76
23 146 ...	Taps and thread formers	6 / 76
23 147 ...	Taps and thread formers	6 / 76
23 148 ...	Taps and thread formers	6 / 76
23 149 ...	Taps and thread formers	6 / 76
23 160 ...	Taps and thread formers	6 / 84
23 161 ...	Taps and thread formers	6 / 84
23 162 ...	Taps and thread formers	6 / 87
23 163 ...	Taps and thread formers	6 / 87
23 170 ...	Taps and thread formers	6 / 91
23 171 ...	Taps and thread formers	6 / 91
23 172 ...	Taps and thread formers	6 / 93
23 173 ...	Taps and thread formers	6 / 93
23 180 ...	Taps and thread formers	6 / 99
23 181 ...	Taps and thread formers	6 / 99
23 182 ...	Taps and thread formers	6 / 102
23 183 ...	Taps and thread formers	6 / 102
23 210 ...	Taps and thread formers	6 / 34
23 212 ...	Taps and thread formers	6 / 32
23 213 ...	Taps and thread formers	6 / 32
23 216 ...	Taps and thread formers	6 / 50
23 217 ...	Taps and thread formers	6 / 50
23 240 ...	Taps and thread formers	6 / 68
23 241 ...	Taps and thread formers	6 / 68
23 242 ...	Taps and thread formers	6 / 76
23 243 ...	Taps and thread formers	6 / 76
23 270 ...	Taps and thread formers	6 / 91
23 271 ...	Taps and thread formers	6 / 91
23 272 ...	Taps and thread formers	6 / 93
23 273 ...	Taps and thread formers	6 / 93
23 280 ...	Taps and thread formers	6 / 99
23 281 ...	Taps and thread formers	6 / 99
23 282 ...	Taps and thread formers	6 / 102
23 283 ...	Taps and thread formers	6 / 102
23 310 ...	Taps and thread formers	6 / 32
23 311 ...	Taps and thread formers	6 / 32
23 312 ...	Taps and thread formers	6 / 50
23 313 ...	Taps and thread formers	6 / 50
23 340 ...	Taps and thread formers	6 / 68
23 341 ...	Taps and thread formers	6 / 68
23 342 ...	Taps and thread formers	6 / 76
23 343 ...	Taps and thread formers	6 / 76
23 370 ...	Taps and thread formers	6 / 91
23 371 ...	Taps and thread formers	6 / 91
23 372 ...	Taps and thread formers	6 / 93
23 373 ...	Taps and thread formers	6 / 93
23 410 ...	Taps and thread formers	6 / 33
23 411 ...	Taps and thread formers	6 / 33
23 412 ...	Taps and thread formers	6 / 33
23 413 ...	Taps and thread formers	6 / 33
23 414 ...	Taps and thread formers	6 / 50
23 415 ...	Taps and thread formers	6 / 50
23 416 ...	Taps and thread formers	6 / 51
23 417 ...	Taps and thread formers	6 / 51
23 426 ...	Taps and thread formers	6 / 51
23 427 ...	Taps and thread formers	6 / 51
23 440 ...	Taps and thread formers	6 / 68
23 441 ...	Taps and thread formers	6 / 68
23 442 ...	Taps and thread formers	6 / 77
23 443 ...	Taps and thread formers	6 / 77
23 447 ...	Taps and thread formers	6 / 77
23 450 ...	Taps and thread formers	6 / 33
23 451 ...	Taps and thread formers	6 / 33
23 456 ...	Taps and thread formers	6 / 51
23 457 ...	Taps and thread formers	6 / 51
23 470 ...	Taps and thread formers	6 / 91
23 471 ...	Taps and thread formers	6 / 91
23 472 ...	Taps and thread formers	6 / 93
23 473 ...	Taps and thread formers	6 / 93
23 480 ...	Taps and thread formers	6 / 99
23 481 ...	Taps and thread formers	6 / 99
23 482 ...	Taps and thread formers	6 / 102
23 483 ...	Taps and thread formers	6 / 102
23 512 ...	Taps and thread formers	6 / 58
23 513 ...	Taps and thread formers	6 / 58
23 610 ...	Taps and thread formers	6 / 33
23 611 ...	Taps and thread formers	6 / 33
23 612 ...	Taps and thread formers	6 / 33
23 613 ...	Taps and thread formers	6 / 33
23 614 ...	Taps and thread formers	6 / 51
23 615 ...	Taps and thread formers	6 / 51
23 616 ...	Taps and thread formers	6 / 51
23 617 ...	Taps and thread formers	6 / 51
23 810 ...	Taps and thread formers	6 / 62
23 811 ...	Taps and thread formers	6 / 62
23 812 ...	Taps and thread formers	6 / 62
23 813 ...	Taps and thread formers	6 / 62
23 814 ...	Taps and thread formers	6 / 62
23 815 ...	Taps and thread formers	6 / 62
23 816 ...	Taps and thread formers	6 / 62
23 817 ...	Taps and thread formers	6 / 62
23 840 ...	Taps and thread formers	6 / 82
23 841 ...	Taps and thread formers	6 / 82
23 842 ...	Taps and thread formers	6 / 82
23 843 ...	Taps and thread formers	6 / 82
30 100 ...	Reaming and Countersinking	4 / 46
30 102 ...	Reaming and Countersinking	4 / 46
30 105 ...	Reaming and Countersinking	4 / 48
30 110 ...	Reaming and Countersinking	4 / 46
30 115 ...	Reaming and Countersinking	4 / 44
30 116 ...	Reaming and Countersinking	4 / 43
30 120 ...	Reaming and Countersinking	4 / 49
30 121 ...	Reaming and Countersinking	4 / 49
30 125 ...	Reaming and Countersinking	4 / 49
30 130 ...	Reaming and Countersinking	4 / 46
30 132 ...	Reaming and Countersinking	4 / 46
30 140 ...	Reaming and Countersinking	4 / 45
30 150 ...	Reaming and Countersinking	4 / 47
30 155 ...	Reaming and Countersinking	4 / 47
30 160 ...	Reaming and Countersinking	4 / 44
30 170 ...	Reaming and Countersinking	4 / 48
30 190 ...	Reaming and Countersinking	4 / 42
30 191 ...	Reaming and Countersinking	4 / 42
30 192 ...	Reaming and Countersinking	4 / 42
30 195 ...	Reaming and Countersinking	4 / 40
40 100 ...	Reaming and Countersinking	4 / 39
40 110 ...	Reaming and Countersinking	4 / 32
40 115 ...	Reaming and Countersinking	4 / 33
40 139 ...	Reaming and Countersinking	4 / 38
40 140 ...	Reaming and Countersinking	4 / 35
40 145 ...	Reaming and Countersinking	4 / 37
40 150 ...	Reaming and Countersinking	4 / 34
40 155 ...	Reaming and Countersinking	4 / 37
40 160 ...	Reaming and Countersinking	4 / 39
40 210 ...	Reaming and Countersinking	4 / 16
40 211 ...	Reaming and Countersinking	4 / 17
40 220 ...	Reaming and Countersinking	4 / 16
40 221 ...	Reaming and Countersinking	4 / 17
40 230 ...	Reaming and Countersinking	4 / 16
40 231 ...	Reaming and Countersinking	4 / 17
40 240 ...	Reaming and Countersinking	4 / 16
40 241 ...	Reaming and Countersinking	4 / 17
40 245 ...	Reaming and Countersinking	4 / 16
40 246 ...	Reaming and Countersinking	4 / 17
40 400 ...	Reaming and Countersinking	4 / 31
40 401 ...	Reaming and Countersinking	4 / 23
40 402 ...	Reaming and Countersinking	4 / 24
40 403 ...	Reaming and Countersinking	4 / 25
40 404 ...	Reaming and Countersinking	4 / 27
40 410 ...	Reaming and Countersinking	4 / 31
40 420 ...	Reaming and Countersinking	4 / 29
40 421 ...	Reaming and Countersinking	4 / 29
40 430 ...	Reaming and Countersinking	4 / 30
40 431 ...	Reaming and Countersinking	4 / 30
40 471 ...	Reaming and Countersinking	4 / 23
40 472 ...	Reaming and Countersinking	4 / 24
40 473 ...	Reaming and Countersinking	4 / 25
40 474 ...	Reaming and Countersinking	4 / 27
40 475 ...	Reaming and Countersinking	4 / 25
40 476 ...	Reaming and Countersinking	4 / 27
40 477 ...	Reaming and Countersinking	4 / 25

Article no.	Designation	Page(s)
40 478 ...	Reaming and Countersinking	4 / 27
40 484 ...	Reaming and Countersinking	4 / 23
40 485 ...	Reaming and Countersinking	4 / 24
40 486 ...	Reaming and Countersinking	4 / 25
40 487 ...	Reaming and Countersinking	4 / 27
40 501 ...	Reaming and Countersinking	4 / 10
40 503 ...	Reaming and Countersinking	4 / 10
40 504 ...	Reaming and Countersinking	4 / 11
40 505 ...	Reaming and Countersinking	4 / 13
40 506 ...	Reaming and Countersinking	4 / 11
40 521 ...	Reaming and Countersinking	4 / 8
40 525 ...	Reaming and Countersinking	4 / 13
40 526 ...	Reaming and Countersinking	4 / 8
40 535 ...	Reaming and Countersinking	4 / 9
40 536 ...	Reaming and Countersinking	4 / 13
40 539 ...	Reaming and Countersinking	4 / 9
40 544 ...	Reaming and Countersinking	4 / 8
40 551 ...	Reaming and Countersinking	4 / 13
40 560 ...	Reaming and Countersinking	4 / 13
40 570 ...	Reaming and Countersinking	4 / 13
40 571 ...	Reaming and Countersinking	4 / 9
40 580 ...	Reaming and Countersinking	4 / 9
40 585 ...	Reaming and Countersinking	4 / 9
40 590 ...	Reaming and Countersinking	4 / 14
40 591 ...	Reaming and Countersinking	4 / 14
40 597 ...	Reaming and Countersinking	4 / 8
40 605 ...	Reaming and Countersinking	4 / 19
40 606 ...	Reaming and Countersinking	4 / 21
40 625 ...	Reaming and Countersinking	4 / 19
40 626 ...	Reaming and Countersinking	4 / 21
40 635 ...	Reaming and Countersinking	4 / 19
40 636 ...	Reaming and Countersinking	4 / 21
40 640 ...	Reaming and Countersinking	4 / 20
40 641 ...	Reaming and Countersinking	4 / 22
40 644 ...	Reaming and Countersinking	4 / 20
40 645 ...	Reaming and Countersinking	4 / 22
40 648 ...	Reaming and Countersinking	4 / 19
40 649 ...	Reaming and Countersinking	4 / 21
40 652 ...	Reaming and Countersinking	4 / 19
40 653 ...	Reaming and Countersinking	4 / 21
40 657 ...	Reaming and Countersinking	4 / 20
40 665 ...	Reaming and Countersinking	4 / 22
50 092 ...	HSS Milling Cutters	13 / 10
50 093 ...	HSS Milling Cutters	13 / 10
50 100 ...	HSS Milling Cutters	13 / 8
50 104 ...	HSS Milling Cutters	13 / 14
50 105 ...	HSS Milling Cutters	13 / 11
50 106 ...	HSS Milling Cutters	13 / 11
50 110 ...	HSS Milling Cutters	13 / 14
50 111 ...	HSS Milling Cutters	13 / 14
50 120 ...	HSS Milling Cutters	13 / 7
50 121 ...	HSS Milling Cutters	13 / 7
50 122 ...	HSS Milling Cutters	13 / 8

Article no.	Designation	Page(s)
50 124 ...	HSS Milling Cutters	13 / 13
50 125 ...	HSS Milling Cutters	13 / 22
50 140 ...	HSS Milling Cutters	13 / 24
50 141 ...	HSS Milling Cutters	13 / 24
50 144 ...	HSS Milling Cutters	13 / 6
50 153 ...	HSS Milling Cutters	13 / 21
50 157 ...	HSS Milling Cutters	13 / 21
50 234 ...	HSS Milling Cutters	13 / 29
50 240 ...	HSS Milling Cutters	13 / 28
50 241 ...	HSS Milling Cutters	13 / 30
50 245 ...	HSS Milling Cutters	13 / 32
50 246 ...	HSS Milling Cutters	13 / 32
50 248 ...	HSS Milling Cutters	13 / 31
50 250 ...	HSS Milling Cutters	13 / 37
50 255 ...	HSS Milling Cutters	13 / 37
50 260 ...	HSS Milling Cutters	13 / 38
50 297 ...	HSS Milling Cutters	13 / 38
50 306 ...	Milling tools with indexable inserts	15 / 27
50 308 ...	HSS Milling Cutters	13 / 26
50 320 ...	HSS Milling Cutters	13 / 25
50 321 ...	HSS Milling Cutters	13 / 25
50 340 ...	HSS Milling Cutters	13 / 35
50 341 ...	HSS Milling Cutters	13 / 36
50 342 ...	HSS Milling Cutters	13 / 34
50 348 ...	HSS Milling Cutters	13 / 34
50 349 ...	HSS Milling Cutters	13 / 35
50 360 ...	HSS Milling Cutters	13 / 33
50 362 ...	HSS Milling Cutters	13 / 33
50 381 ...	Milling tools with indexable inserts	15 / 134
50 382 ...	Milling tools with indexable inserts	15 / 134
50 409 ...	Milling tools with indexable inserts	15 / 96
50 421 ...	Milling tools with indexable inserts	15 / 40
50 424 ...	Milling tools with indexable inserts	15 / 76
50 425 ...	Milling tools with indexable inserts	15 / 76
50 426 ...	Milling tools with indexable inserts	15 / 40
50 428 ...	Milling tools with indexable inserts	15 / 39
50 446 ...	Milling tools with indexable inserts	15 / 31
50 449 ...	Milling tools with indexable inserts	15 / 41
50 457 ...	Milling tools with indexable inserts	15 / 18
50 459 ...	Milling tools with indexable inserts	15 / 18
50 463 ...	Milling tools with indexable inserts	15 / 65
50 464 ...	Milling tools with indexable inserts	15 / 65
50 466 ...	Milling tools with indexable inserts	15 / 93
50 467 ...	Milling tools with indexable inserts	15 / 93
50 468 ...	Milling tools with indexable inserts	15 / 93
50 469 ...	Milling tools with indexable inserts	15 / 71
50 473 ...	Milling tools with indexable inserts	15 / 71
50 477 ...	Milling tools with indexable inserts	15 / 82
50 478 ...	Milling tools with indexable inserts	15 / 82
50 479 ...	Milling tools with indexable inserts	15 / 71
50 481 ...	Milling tools with indexable inserts	15 / 109
50 483 ...	Milling tools with indexable inserts	15 / 110
50 487 ...	Milling tools with indexable inserts	15 / 86

Article no.	Designation	Page(s)
50 488 ...	Milling tools with indexable inserts	15 / 89
50 491 ...	Milling tools with indexable inserts	15 / 131
50 492 ...	Milling tools with indexable inserts	15 / 131
50 493 ...	Milling tools with indexable inserts	15 / 113
50 496 ...	Milling tools with indexable inserts	15 / 76
50 498 ...	Milling tools with indexable inserts	15 / 59
50 500 ...	Milling tools with indexable inserts	15 / 47
50 503 ...	Milling tools with indexable inserts	15 / 101
50 504 ...	Milling tools with indexable inserts	15 / 103
50 507 ...	Milling tools with indexable inserts	15 / 59
50 508 ...	Milling tools with indexable inserts	15 / 113
50 514 ...	Milling tools with indexable inserts	15 / 24
50 515 ...	Milling tools with indexable inserts	15 / 93
50 517 ...	Milling tools with indexable inserts	15 / 93
50 518 ...	Milling tools with indexable inserts	15 / 100
50 520 ...	Milling tools with indexable inserts	15 / 120
50 521 ...	Milling tools with indexable inserts	15 / 120
50 580 ...	Milling tools with indexable inserts	15 / 79
50 593 ...	Solid Carbide milling cutters	14 / 143
50 594 ...	Solid Carbide milling cutters	14 / 143
50 598 ...	Solid Carbide milling cutters	14 / 151
50 599 ...	Solid Carbide milling cutters	14 / 151
50 608 ...	Solid Carbide milling cutters	14 / 152
50 609 ...	Solid Carbide milling cutters	14 / 152
50 610 ...	Solid Carbide milling cutters	14 / 238
50 611 ...	Solid Carbide milling cutters	14 / 238
50 614 ...	Solid Carbide milling cutters	14 / 147
50 618 ...	Solid Carbide milling cutters	14 / 176
50 624 ...	Solid Carbide milling cutters	14 / 176
50 625 ...	Solid Carbide milling cutters	14 / 177
50 628 ...	Solid Carbide milling cutters	14 / 173
50 631 ...	Solid Carbide milling cutters	14 / 167
50 633 ...	Solid Carbide milling cutters	14 / 165
50 634 ...	Solid Carbide milling cutters	14 / 166
50 635 ...	Solid Carbide milling cutters	14 / 171
50 637 ...	Solid Carbide milling cutters	14 / 178
50 641 ...	Solid Carbide milling cutters	14 / 202
50 642 ...	Solid Carbide milling cutters	14 / 198
50 643 ...	Solid Carbide milling cutters	14 / 198
50 649 ...	Solid Carbide milling cutters	14 / 211
50 651 ...	Solid Carbide milling cutters	14 / 213
50 666 ...	Milling tools with indexable inserts	15 / 33
50 668 ...	Milling tools with indexable inserts	15 / 75
50 669 ...	Milling tools with indexable inserts	15 / 35
50 675 ...	Milling tools with indexable inserts	15 / 80
50 679 ...	Milling tools with indexable inserts	15 / 84
50 680 ...	Milling tools with indexable inserts	15 / 87
50 681 ...	Milling tools with indexable inserts	15 / 97
50 682 ...	Milling tools with indexable inserts	15 / 97
50 683 ...	Milling tools with indexable inserts	15 / 98
50 684 ...	Milling tools with indexable inserts	15 / 106
50 685 ...	Milling tools with indexable inserts	15 / 107
50 686 ...	Milling tools with indexable inserts	15 / 108

Article no.	Designation	Page(s)
50 689 ...	Milling tools with indexable inserts	15 / 119
50 698 ...	Milling tools with indexable inserts	15 / 43
50 703 ...	Milling tools with indexable inserts	15 / 77
50 704 ...	Milling tools with indexable inserts	15 / 34
50 705 ...	Milling tools with indexable inserts	15 / 38
50 706 ...	Milling tools with indexable inserts	15 / 34
50 707 ...	Milling tools with indexable inserts	15 / 34
50 715 ...	Milling tools with indexable inserts	15 / 135
50 716 ...	Milling tools with indexable inserts	15 / 85
50 717 ...	Milling tools with indexable inserts	15 / 87
50 718 ...	Milling tools with indexable inserts	15 / 81
50 720 ...	Milling tools with indexable inserts	15 / 85
50 721 ...	Milling tools with indexable inserts	15 / 88
50 722 ...	Milling tools with indexable inserts	15 / 81
50 723 ...	Milling tools with indexable inserts	15 / 92
50 724 ...	Milling tools with indexable inserts	15 / 92
50 725 ...	Milling tools with indexable inserts	15 / 48
50 726 ...	Milling tools with indexable inserts	15 / 74
50 727 ...	Milling tools with indexable inserts	15 / 74
50 728 ...	Milling tools with indexable inserts	15 / 74
50 730 ...	Milling tools with indexable inserts	15 / 132
50 733 ...	Milling tools with indexable inserts	15 / 45
50 734 ...	Milling tools with indexable inserts	15 / 133
50 736 ...	Milling tools with indexable inserts	15 / 60
50 737 ...	Milling tools with indexable inserts	15 / 60
50 738 ...	Milling tools with indexable inserts	15 / 61
50 739 ...	Milling tools with indexable inserts	15 / 61
50 741 ...	Milling tools with indexable inserts	15 / 28
50 742 ...	Milling tools with indexable inserts	15 / 15
50 743 ...	Milling tools with indexable inserts	15 / 15
50 744 ...	Milling tools with indexable inserts	15 / 16
50 746 ...	Milling tools with indexable inserts	15 / 66
50 747 ...	Milling tools with indexable inserts	15 / 66
50 748 ...	Milling tools with indexable inserts	15 / 67
50 749 ...	Milling tools with indexable inserts	15 / 67
50 751 ...	Milling tools with indexable inserts	15 / 57
50 752 ...	Milling tools with indexable inserts	15 / 57
50 753 ...	Milling tools with indexable inserts	15 / 58
50 754 ...	Milling tools with indexable inserts	15 / 58
50 756 ...	Milling tools with indexable inserts	15 / 130
50 757 ...	Milling tools with indexable inserts	15 / 62
50 758 ...	Milling tools with indexable inserts	15 / 62
50 759 ...	Milling tools with indexable inserts	15 / 68
50 761 ...	Milling tools with indexable inserts	15 / 75
50 762 ...	Milling tools with indexable inserts	15 / 28
50 767 ...	Milling tools with indexable inserts	15 / 25
50 768 ...	Milling tools with indexable inserts	15 / 95
50 769 ...	Milling tools with indexable inserts	15 / 95
50 770 ...	Milling tools with indexable inserts	15 / 94
50 771 ...	Milling tools with indexable inserts	15 / 94
50 772 ...	Milling tools with indexable inserts	15 / 21
50 773 ...	Milling tools with indexable inserts	15 / 54
50 774 ...	Milling tools with indexable inserts	15 / 51
50 775 ...	Milling tools with indexable inserts	15 / 55
50 776 ...	Milling tools with indexable inserts	15 / 52
50 777 ...	Milling tools with indexable inserts	15 / 29
50 778 ...	Milling tools with indexable inserts	15 / 72
50 780 ...	Milling tools with indexable inserts	15 / 72
50 782 ...	Milling tools with indexable inserts	15 / 68
50 785 ...	Milling tools with indexable inserts	15 / 90
50 799 ...	Circular and Thread Milling	7 / 19
50 800 ...	Circular and Thread Milling	7 / 36
50 805 ...	Circular and Thread Milling	7 / 18
50 811 ...	Circular and Thread Milling	7 / 57
50 815 ...	Circular and Thread Milling	7 / 54
50 816 ...	Circular and Thread Milling	7 / 57
50 818 ...	Circular and Thread Milling	7 / 57
50 819 ...	Circular and Thread Milling	7 / 58
50 821 ...	Circular and Thread Milling	7 / 54
50 823 ...	Circular and Thread Milling	7 / 58
50 824 ...	Circular and Thread Milling	7 / 58
50 825 ...	Circular and Thread Milling	7 / 61
50 826 ...	Circular and Thread Milling	7 / 61
50 827 ...	Circular and Thread Milling	7 / 62
50 840 ...	Circular and Thread Milling	7 / 55
50 841 ...	Circular and Thread Milling	7 / 47
50 842 ...	Circular and Thread Milling	7 / 43
50 843 ...	Circular and Thread Milling	7 / 40
50 844 ...	Circular and Thread Milling	7 / 41
50 846 ...	Circular and Thread Milling	7 / 56
50 847 ...	Circular and Thread Milling	7 / 56
50 848 ...	Circular and Thread Milling	7 / 49
50 849 ...	Circular and Thread Milling	7 / 51
50 851 ...	Circular and Thread Milling	7 / 33
50 852 ...	Circular and Thread Milling	7 / 32
50 853 ...	Circular and Thread Milling	7 / 31
50 855 ...	Circular and Thread Milling	7 / 34
50 857 ...	Circular and Thread Milling	7 / 33
50 858 ...	Circular and Thread Milling	7 / 35
50 859 ...	Circular and Thread Milling	7 / 34
50 860 ...	Circular and Thread Milling	7 / 48
50 861 ...	Circular and Thread Milling	7 / 48
50 863 ...	Circular and Thread Milling	7 / 42
50 864 ...	Circular and Thread Milling	7 / 42
50 867 ...	Circular and Thread Milling	7 / 48
50 868 ...	Circular and Thread Milling	7 / 48
50 870 ...	Circular and Thread Milling	7 / 50
50 871 ...	Circular and Thread Milling	7 / 50
50 872 ...	Circular and Thread Milling	7 / 14
50 874 ...	Circular and Thread Milling	7 / 17
50 875 ...	Circular and Thread Milling	7 / 8
50 876 ...	Circular and Thread Milling	7 / 9
50 879 ...	Circular and Thread Milling	7 / 7
50 880 ...	Circular and Thread Milling	7 / 6
50 881 ...	Circular and Thread Milling	7 / 12
50 882 ...	Circular and Thread Milling	7 / 11
50 883 ...	Circular and Thread Milling	7 / 13
50 884 ...	Circular and Thread Milling	7 / 10
50 885 ...	Circular and Thread Milling	7 / 44
50 886 ...	Circular and Thread Milling	7 / 15
50 887 ...	Circular and Thread Milling	7 / 44
50 888 ...	Circular and Thread Milling	7 / 45
50 889 ...	Circular and Thread Milling	7 / 46
50 890 ...	Circular and Thread Milling	7 / 37
50 891 ...	Circular and Thread Milling	7 / 37
50 892 ...	Circular and Thread Milling	7 / 38
50 894 ...	Circular and Thread Milling	7 / 45
50 895 ...	Circular and Thread Milling	7 / 38
50 896 ...	Circular and Thread Milling	7 / 39
50 897 ...	Circular and Thread Milling	7 / 39
50 900 ...	Solid Carbide milling cutters	14 / 124
50 901 ...	Solid Carbide milling cutters	14 / 203
50 902 ...	Solid Carbide milling cutters	14 / 205
50 903 ...	Solid Carbide milling cutters	14 / 183
50 906 ...	Solid Carbide milling cutters	14 / 199
50 907 ...	Solid Carbide milling cutters	14 / 169
50 908 ...	Solid Carbide milling cutters	14 / 170
50 911 ...	Solid Carbide milling cutters	14 / 208
50 912 ...	Solid Carbide milling cutters	14 / 187
50 921 ...	Solid Carbide milling cutters	14 / 7
50 922 ...	Solid Carbide milling cutters	14 / 7
50 923 ...	Solid Carbide milling cutters	14 / 7
50 924 ...	Solid Carbide milling cutters	14 / 7
50 925 ...	Solid Carbide milling cutters	14 / 7
50 926 ...	Solid Carbide milling cutters	14 / 7
50 927 ...	Solid Carbide milling cutters	14 / 7
50 928 ...	Solid Carbide milling cutters	14 / 7
50 929 ...	Solid Carbide milling cutters	14 / 7
50 930 ...	Solid Carbide milling cutters	14 / 7
50 931 ...	Solid Carbide milling cutters	14 / 7
50 932 ...	Solid Carbide milling cutters	14 / 234
50 936 ...	Solid Carbide milling cutters	14 / 236
50 937 ...	Solid Carbide milling cutters	14 / 235
50 938 ...	Solid Carbide milling cutters	14 / 237
50 940 ...	Solid Carbide milling cutters	14 / 221
50 941 ...	Solid Carbide milling cutters	14 / 221
50 942 ...	Solid Carbide milling cutters	14 / 221
50 943 ...	Solid Carbide milling cutters	14 / 221
50 944 ...	Solid Carbide milling cutters	14 / 221
50 945 ...	Solid Carbide milling cutters	14 / 221
50 946 ...	Solid Carbide milling cutters	14 / 239
50 947 ...	Solid Carbide milling cutters	14 / 241
50 948 ...	Solid Carbide milling cutters	14 / 240
50 951 ...	Solid Carbide milling cutters	14 / 70
50 952 ...	Solid Carbide milling cutters	14 / 71
50 953 ...	Solid Carbide milling cutters	14 / 79
50 954 ...	Solid Carbide milling cutters	14 / 75
50 955 ...	Solid Carbide milling cutters	14 / 72
50 959 ...	Solid Carbide milling cutters	14 / 78

Article no.	Designation	Page(s)
50 960 ...	Solid Carbide milling cutters	14 / 126
50 961 ...	Solid Carbide milling cutters	14 / 81
50 962 ...	Solid Carbide milling cutters	14 / 80
50 964 ...	Solid Carbide milling cutters	14 / 74
50 965 ...	Solid Carbide milling cutters	14 / 73
50 968 ...	Solid Carbide milling cutters	14 / 76
50 981 ...	Solid Carbide milling cutters	14 / 232
50 982 ...	Solid Carbide milling cutters	14 / 232
50 983 ...	Solid Carbide milling cutters	14 / 232
50 984 ...	Solid Carbide milling cutters	14 / 232
50 985 ...	Solid Carbide milling cutters	14 / 233
50 986 ...	Solid Carbide milling cutters	14 / 233
50 987 ...	Solid Carbide milling cutters	14 / 233
50 988 ...	Solid Carbide milling cutters	14 / 233
51 000 ...	Milling tools with indexable inserts	15 / 31
51 001 ...	Milling tools with indexable inserts	15 / 30
51 002 ...	Milling tools with indexable inserts	15 / 22
51 003 ...	Milling tools with indexable inserts	15 / 22
51 004 ...	Milling tools with indexable inserts	15 / 27
51 005 ...	Milling tools with indexable inserts	15 / 27
51 006 ...	Milling tools with indexable inserts	15 / 39
51 008 ...	Milling tools with indexable inserts	15 / 40
51 010 ...	Milling tools with indexable inserts	15 / 39
51 011 ...	Milling tools with indexable inserts	15 / 76
51 012 ...	Milling tools with indexable inserts	15 / 23
51 013 ...	Milling tools with indexable inserts	15 / 24
51 014 ...	Milling tools with indexable inserts	15 / 32
51 015 ...	Milling tools with indexable inserts	15 / 41
51 016 ...	Milling tools with indexable inserts	15 / 101
51 017 ...	Milling tools with indexable inserts	15 / 102
51 018 ...	Milling tools with indexable inserts	15 / 102
51 019 ...	Milling tools with indexable inserts	15 / 99
51 022 ...	Milling tools with indexable inserts	15 / 102
51 024 ...	Milling tools with indexable inserts	15 / 47
51 027 ...	Milling tools with indexable inserts	15 / 31
51 028 ...	Milling tools with indexable inserts	15 / 39
51 029 ...	Milling tools with indexable inserts	15 / 76
51 030 ...	Milling tools with indexable inserts	15 / 76
51 033 ...	Milling tools with indexable inserts	15 / 59
51 034 ...	Milling tools with indexable inserts	15 / 64
51 035 ...	Milling tools with indexable inserts	15 / 69
51 036 ...	Milling tools with indexable inserts	15 / 59
51 037 ...	Milling tools with indexable inserts	15 / 64
51 038 ...	Milling tools with indexable inserts	15 / 70
51 039 ...	Milling tools with indexable inserts	15 / 65
51 040 ...	Milling tools with indexable inserts	15 / 69
51 042 ...	Milling tools with indexable inserts	15 / 96
51 043 ...	Milling tools with indexable inserts	15 / 96
51 045 ...	Milling tools with indexable inserts	15 / 47
51 046 ...	Milling tools with indexable inserts	15 / 47
51 048 ...	Milling tools with indexable inserts	15 / 109
51 049 ...	Milling tools with indexable inserts	15 / 111
51 050 ...	Milling tools with indexable inserts	15 / 112
51 051 ...	Milling tools with indexable inserts	15 / 111
51 052 ...	Milling tools with indexable inserts	15 / 111
51 053 ...	Milling tools with indexable inserts	15 / 112
51 054 ...	Milling tools with indexable inserts	15 / 111
51 055 ...	Milling tools with indexable inserts	15 / 112
51 056 ...	Milling tools with indexable inserts	15 / 113
51 057 ...	Milling tools with indexable inserts	15 / 111
51 058 ...	Milling tools with indexable inserts	15 / 27
51 059 ...	Milling tools with indexable inserts	15 / 79
51 065 ...	Milling tools with indexable inserts	15 / 20
51 079 ...	Milling tools with indexable inserts	15 / 96
51 080 ...	Milling tools with indexable inserts	15 / 96
51 081 ...	Milling tools with indexable inserts	15 / 79
51 082 ...	Milling tools with indexable inserts	15 / 76
51 083 ...	Milling tools with indexable inserts	15 / 109
51 086 ...	Milling tools with indexable inserts	15 / 36
51 100 ...	Milling tools with indexable inserts	15 / 56
51 101 ...	Milling tools with indexable inserts	15 / 56
51 102 ...	Milling tools with indexable inserts	15 / 56
51 103 ...	Milling tools with indexable inserts	15 / 56
51 104 ...	Milling tools with indexable inserts	15 / 31
51 105 ...	Milling tools with indexable inserts	15 / 17
51 106 ...	Milling tools with indexable inserts	15 / 120
51 107 ...	Milling tools with indexable inserts	15 / 120
51 108 ...	Milling tools with indexable inserts	15 / 112
51 109 ...	Milling tools with indexable inserts	15 / 40
51 110 ...	Milling tools with indexable inserts	15 / 79
51 111 ...	Milling tools with indexable inserts	15 / 76
51 112 ...	Milling tools with indexable inserts	15 / 59
51 113 ...	Milling tools with indexable inserts	15 / 64
51 114 ...	Milling tools with indexable inserts	15 / 70
51 115 ...	Milling tools with indexable inserts	15 / 101
51 116 ...	Milling tools with indexable inserts	15 / 100
51 118 ...	Milling tools with indexable inserts	15 / 53
51 119 ...	Milling tools with indexable inserts	15 / 53
51 120 ...	Milling tools with indexable inserts	15 / 53
51 121 ...	Milling tools with indexable inserts	15 / 53
51 122 ...	Milling tools with indexable inserts	15 / 23
51 123 ...	Milling tools with indexable inserts	15 / 24
51 124 ...	Milling tools with indexable inserts	15 / 103
51 125 ...	Milling tools with indexable inserts	15 / 76
51 126 ...	Milling tools with indexable inserts	15 / 53
51 127 ...	Milling tools with indexable inserts	15 / 73
51 128 ...	Milling tools with indexable inserts	15 / 56
51 129 ...	Milling tools with indexable inserts	15 / 120
51 130 ...	Milling tools with indexable inserts	15 / 120
51 131 ...	Milling tools with indexable inserts	15 / 44
51 132 ...	Milling tools with indexable inserts	15 / 44
51 133 ...	Milling tools with indexable inserts	15 / 48
51 134 ...	Milling tools with indexable inserts	15 / 48
51 135 ...	Milling tools with indexable inserts	15 / 48
51 137 ...	Milling tools with indexable inserts	15 / 91
51 900 ...	Milling tools with indexable inserts	15 / 42
52 102 ...	Solid Carbide milling cutters	14 / 157
52 107 ...	Solid Carbide milling cutters	14 / 216
52 109 ...	Solid Carbide milling cutters	14 / 168
52 110 ...	Solid Carbide milling cutters	14 / 164
52 112 ...	Solid Carbide milling cutters	14 / 172
52 115 ...	Solid Carbide milling cutters	14 / 164
52 118 ...	Solid Carbide milling cutters	14 / 164
52 121 ...	Solid Carbide milling cutters	14 / 154
52 122 ...	Solid Carbide milling cutters	14 / 172
52 123 ...	Solid Carbide milling cutters	14 / 172
52 126 ...	Solid Carbide milling cutters	14 / 154
52 131 ...	Solid Carbide milling cutters	14 / 154
52 132 ...	Solid Carbide milling cutters	14 / 154
52 133 ...	Solid Carbide milling cutters	14 / 102
52 134 ...	Solid Carbide milling cutters	14 / 102
52 135 ...	Solid Carbide milling cutters	14 / 102
52 136 ...	Solid Carbide milling cutters	14 / 102
52 140 ...	Solid Carbide milling cutters	14 / 101
52 141 ...	Solid Carbide milling cutters	14 / 101
52 150 ...	Solid Carbide milling cutters	14 / 220
52 151 ...	Solid Carbide milling cutters	14 / 220
52 152 ...	Solid Carbide milling cutters	14 / 220
52 153 ...	Solid Carbide milling cutters	14 / 220
52 154 ...	Solid Carbide milling cutters	14 / 220
52 155 ...	Solid Carbide milling cutters	14 / 220
52 158 ...	Solid Carbide milling cutters	14 / 222
52 159 ...	Solid Carbide milling cutters	14 / 222
52 168 ...	Solid Carbide milling cutters	14 / 242
52 195 ...	Solid Carbide milling cutters	14 / 219
52 223 ...	Solid Carbide milling cutters	14 / 83
52 224 ...	Solid Carbide milling cutters	14 / 83
52 225 ...	Solid Carbide milling cutters	14 / 82
52 226 ...	Solid Carbide milling cutters	14 / 83
52 227 ...	Solid Carbide milling cutters	14 / 83
52 228 ...	Solid Carbide milling cutters	14 / 85
52 229 ...	Solid Carbide milling cutters	14 / 84
52 230 ...	Solid Carbide milling cutters	14 / 87
52 249 ...	Solid Carbide milling cutters	14 / 223
52 250 ...	Solid Carbide milling cutters	14 / 188
52 251 ...	Solid Carbide milling cutters	14 / 188
52 254 ...	Solid Carbide milling cutters	14 / 190
52 255 ...	Solid Carbide milling cutters	14 / 190
52 256 ...	Solid Carbide milling cutters	14 / 106
52 257 ...	Solid Carbide milling cutters	14 / 106
52 258 ...	Solid Carbide milling cutters	14 / 106
52 259 ...	Solid Carbide milling cutters	14 / 106
52 291 ...	Solid Carbide milling cutters	14 / 224
52 300 ...	Solid Carbide milling cutters	14 / 174
52 301 ...	Solid Carbide milling cutters	14 / 174
52 302 ...	Solid Carbide milling cutters	14 / 104
52 303 ...	Solid Carbide milling cutters	14 / 105
52 304 ...	Solid Carbide milling cutters	14 / 112
52 305 ...	Solid Carbide milling cutters	14 / 111

Article no.	Designation	Page(s)
52 306 ...	Solid Carbide milling cutters	14 / 155
52 307 ...	Solid Carbide milling cutters	14 / 155
52 309 ...	Solid Carbide milling cutters	14 / 153
52 310 ...	Solid Carbide milling cutters	14 / 155
52 311 ...	Solid Carbide milling cutters	14 / 155
52 313 ...	Solid Carbide milling cutters	14 / 153
52 314 ...	Solid Carbide milling cutters	14 / 156
52 315 ...	Solid Carbide milling cutters	14 / 156
52 316 ...	Solid Carbide milling cutters	14 / 158
52 317 ...	Solid Carbide milling cutters	14 / 158
52 320 ...	Solid Carbide milling cutters	14 / 193
52 323 ...	Solid Carbide milling cutters	14 / 194
52 324 ...	Solid Carbide milling cutters	14 / 103
52 325 ...	Solid Carbide milling cutters	14 / 103
52 326 ...	Solid Carbide milling cutters	14 / 103
52 338 ...	Solid Carbide milling cutters	14 / 180
52 339 ...	Solid Carbide milling cutters	14 / 180
52 340 ...	Solid Carbide milling cutters	14 / 179
52 341 ...	Solid Carbide milling cutters	14 / 179
52 342 ...	Solid Carbide milling cutters	14 / 181
52 343 ...	Solid Carbide milling cutters	14 / 181
52 344 ...	Solid Carbide milling cutters	14 / 98
52 345 ...	Solid Carbide milling cutters	14 / 88
52 346 ...	Solid Carbide milling cutters	14 / 88
52 347 ...	Solid Carbide milling cutters	14 / 88
52 348 ...	Solid Carbide milling cutters	14 / 102
52 349 ...	Solid Carbide milling cutters	14 / 94
52 350 ...	Solid Carbide milling cutters	14 / 94
52 351 ...	Solid Carbide milling cutters	14 / 94
52 352 ...	Solid Carbide milling cutters	14 / 108
52 353 ...	Solid Carbide milling cutters	14 / 99
52 354 ...	Solid Carbide milling cutters	14 / 99
52 355 ...	Solid Carbide milling cutters	14 / 109
52 356 ...	Solid Carbide milling cutters	14 / 91
52 357 ...	Solid Carbide milling cutters	14 / 91
52 358 ...	Solid Carbide milling cutters	14 / 91
52 359 ...	Solid Carbide milling cutters	14 / 91
52 360 ...	Solid Carbide milling cutters	14 / 91
52 361 ...	Solid Carbide milling cutters	14 / 113
52 362 ...	Solid Carbide milling cutters	14 / 97
52 400 ...	Solid Carbide milling cutters	14 / 196
52 401 ...	Solid Carbide milling cutters	14 / 196
52 402 ...	Solid Carbide milling cutters	14 / 196
52 403 ...	Solid Carbide milling cutters	14 / 196
52 404 ...	Solid Carbide milling cutters	14 / 110
52 405 ...	Solid Carbide milling cutters	14 / 110
52 503 ...	Solid Carbide milling cutters	14 / 23
52 504 ...	Solid Carbide milling cutters	14 / 23
52 505 ...	Solid Carbide milling cutters	14 / 23
52 506 ...	Solid Carbide milling cutters	14 / 23
52 507 ...	Solid Carbide milling cutters	14 / 24
52 508 ...	Solid Carbide milling cutters	14 / 24
52 509 ...	Solid Carbide milling cutters	14 / 46
52 510 ...	Solid Carbide milling cutters	14 / 46
52 511 ...	Solid Carbide milling cutters	14 / 27
52 512 ...	Solid Carbide milling cutters	14 / 27
52 513 ...	Solid Carbide milling cutters	14 / 26
52 514 ...	Solid Carbide milling cutters	14 / 26
52 600 ...	Solid Carbide milling cutters	14 / 13
52 601 ...	Solid Carbide milling cutters	14 / 13
52 602 ...	Solid Carbide milling cutters	14 / 13
52 603 ...	Solid Carbide milling cutters	14 / 13
52 604 ...	Solid Carbide milling cutters	14 / 16
52 605 ...	Solid Carbide milling cutters	14 / 16
52 606 ...	Solid Carbide milling cutters	14 / 15
52 607 ...	Solid Carbide milling cutters	14 / 17
52 608 ...	Solid Carbide milling cutters	14 / 18
52 609 ...	Solid Carbide milling cutters	14 / 20
52 610 ...	Solid Carbide milling cutters	14 / 20
52 611 ...	Solid Carbide milling cutters	14 / 19
52 612 ...	Solid Carbide milling cutters	14 / 19
52 613 ...	Solid Carbide milling cutters	14 / 34
52 614 ...	Solid Carbide milling cutters	14 / 34
52 615 ...	Solid Carbide milling cutters	14 / 34
52 616 ...	Solid Carbide milling cutters	14 / 36
52 617 ...	Solid Carbide milling cutters	14 / 36
52 714 ...	Solid Carbide milling cutters	14 / 192
52 717 ...	Solid Carbide milling cutters	14 / 192
52 718 ...	Solid Carbide milling cutters	14 / 182
52 720 ...	Solid Carbide milling cutters	14 / 182
52 730 ...	Solid Carbide milling cutters	14 / 210
52 732 ...	Solid Carbide milling cutters	14 / 215
52 733 ...	Solid Carbide milling cutters	14 / 215
52 734 ...	Solid Carbide milling cutters	14 / 210
52 741 ...	Solid Carbide milling cutters	14 / 201
52 752 ...	Solid Carbide milling cutters	14 / 37
52 760 ...	Solid Carbide milling cutters	14 / 132
52 761 ...	Solid Carbide milling cutters	14 / 132
52 762 ...	Solid Carbide milling cutters	14 / 132
52 765 ...	Solid Carbide milling cutters	14 / 207
52 766 ...	Solid Carbide milling cutters	14 / 186
52 768 ...	Solid Carbide milling cutters	14 / 186
52 784 ...	Solid Carbide milling cutters	14 / 21
52 786 ...	Solid Carbide milling cutters	14 / 22
52 802 ...	Solid Carbide milling cutters	14 / 114
52 804 ...	Solid Carbide milling cutters	14 / 115
52 806 ...	Solid Carbide milling cutters	14 / 117
52 821 ...	Solid Carbide milling cutters	14 / 148
52 822 ...	Solid Carbide milling cutters	14 / 148
52 823 ...	Solid Carbide milling cutters	14 / 148
52 826 ...	Solid Carbide milling cutters	14 / 148
52 827 ...	Solid Carbide milling cutters	14 / 148
52 828 ...	Solid Carbide milling cutters	14 / 148
52 829 ...	Solid Carbide milling cutters	14 / 149
52 830 ...	Solid Carbide milling cutters	14 / 149
52 831 ...	Solid Carbide milling cutters	14 / 149
52 832 ...	Solid Carbide milling cutters	14 / 149
52 833 ...	Solid Carbide milling cutters	14 / 149
52 834 ...	Solid Carbide milling cutters	14 / 149
52 835 ...	Solid Carbide milling cutters	14 / 150
52 836 ...	Solid Carbide milling cutters	14 / 150
52 839 ...	Solid Carbide milling cutters	14 / 145
52 840 ...	Solid Carbide milling cutters	14 / 145
52 841 ...	Solid Carbide milling cutters	14 / 139
52 842 ...	Solid Carbide milling cutters	14 / 139
52 843 ...	Solid Carbide milling cutters	14 / 141
52 844 ...	Solid Carbide milling cutters	14 / 141
52 845 ...	Solid Carbide milling cutters	14 / 145
52 846 ...	Solid Carbide milling cutters	14 / 145
52 847 ...	Solid Carbide milling cutters	14 / 141
52 848 ...	Solid Carbide milling cutters	14 / 139
52 849 ...	Solid Carbide milling cutters	14 / 141
52 850 ...	Solid Carbide milling cutters	14 / 145
52 851 ...	Solid Carbide milling cutters	14 / 145
52 860 ...	Solid Carbide milling cutters	14 / 120
52 861 ...	Solid Carbide milling cutters	14 / 119
52 862 ...	Solid Carbide milling cutters	14 / 121
52 863 ...	Solid Carbide milling cutters	14 / 121
52 864 ...	Solid Carbide milling cutters	14 / 121
52 865 ...	Solid Carbide milling cutters	14 / 122
52 866 ...	Solid Carbide milling cutters	14 / 122
52 867 ...	Solid Carbide milling cutters	14 / 123
52 868 ...	Solid Carbide milling cutters	14 / 123
52 869 ...	Solid Carbide milling cutters	14 / 122
52 870 ...	Solid Carbide milling cutters	14 / 119
52 871 ...	Solid Carbide milling cutters	14 / 120
52 872 ...	Solid Carbide milling cutters	14 / 120
52 880 ...	Solid Carbide milling cutters	14 / 119
53 000 ...	Circular and Thread Milling	7 / 30
53 001 ...	Circular and Thread Milling	7 / 30
53 002 ...	Circular and Thread Milling	7 / 29
53 003 ...	Circular and Thread Milling	7 / 29
53 004 ...	Circular and Thread Milling	7 / 29
53 006 ...	Circular and Thread Milling	7 / 21
53 007 ...	Circular and Thread Milling	7 / 23
53 008 ...	Circular and Thread Milling	7 / 23
53 009 ...	Circular and Thread Milling	7 / 25
53 010 ...	Circular and Thread Milling	7 / 27
53 011 ...	Circular and Thread Milling	7 / 28
53 012 ...	Circular and Thread Milling	7 / 28
53 013 ...	Circular and Thread Milling	7 / 26
53 014 ...	Circular and Thread Milling	7 / 26
53 015 ...	Circular and Thread Milling	7 / 24
53 050 ...	Circular and Thread Milling	7 / 52
53 051 ...	Circular and Thread Milling	7 / 52
53 052 ...	Circular and Thread Milling	7 / 53
53 053 ...	Circular and Thread Milling	7 / 53
53 500 ...	Solid Carbide milling cutters	14 / 48
53 501 ...	Solid Carbide milling cutters	14 / 48

Article no.	Designation	Page(s)
53 502 ...	Solid Carbide milling cutters	14 / 48
53 503 ...	Solid Carbide milling cutters	14 / 48
53 504 ...	Solid Carbide milling cutters	14 / 49
53 505 ...	Solid Carbide milling cutters	14 / 49
53 506 ...	Solid Carbide milling cutters	14 / 49
53 507 ...	Solid Carbide milling cutters	14 / 49
53 508 ...	Solid Carbide milling cutters	14 / 69
53 509 ...	Solid Carbide milling cutters	14 / 69
53 510 ...	Solid Carbide milling cutters	14 / 69
53 511 ...	Solid Carbide milling cutters	14 / 69
53 512 ...	Solid Carbide milling cutters	14 / 60
53 513 ...	Solid Carbide milling cutters	14 / 60
53 514 ...	Solid Carbide milling cutters	14 / 60
53 515 ...	Solid Carbide milling cutters	14 / 60
53 516 ...	Solid Carbide milling cutters	14 / 60
53 517 ...	Solid Carbide milling cutters	14 / 50
53 518 ...	Solid Carbide milling cutters	14 / 50
53 519 ...	Solid Carbide milling cutters	14 / 50
53 520 ...	Solid Carbide milling cutters	14 / 50
53 521 ...	Solid Carbide milling cutters	14 / 51
53 522 ...	Solid Carbide milling cutters	14 / 51
53 523 ...	Solid Carbide milling cutters	14 / 51
53 524 ...	Solid Carbide milling cutters	14 / 51
53 525 ...	Solid Carbide milling cutters	14 / 55
53 526 ...	Solid Carbide milling cutters	14 / 56
53 527 ...	Solid Carbide milling cutters	14 / 55
53 528 ...	Solid Carbide milling cutters	14 / 55
53 529 ...	Solid Carbide milling cutters	14 / 56
53 530 ...	Solid Carbide milling cutters	14 / 55
53 531 ...	Solid Carbide milling cutters	14 / 56
53 532 ...	Solid Carbide milling cutters	14 / 52
53 533 ...	Solid Carbide milling cutters	14 / 52
53 534 ...	Solid Carbide milling cutters	14 / 52
53 535 ...	Solid Carbide milling cutters	14 / 52
53 536 ...	Solid Carbide milling cutters	14 / 52
53 537 ...	Solid Carbide milling cutters	14 / 53
53 538 ...	Solid Carbide milling cutters	14 / 53
53 539 ...	Solid Carbide milling cutters	14 / 53
53 540 ...	Solid Carbide milling cutters	14 / 53
53 541 ...	Solid Carbide milling cutters	14 / 53
53 542 ...	Solid Carbide milling cutters	14 / 54
53 543 ...	Solid Carbide milling cutters	14 / 54
53 544 ...	Solid Carbide milling cutters	14 / 57
53 545 ...	Solid Carbide milling cutters	14 / 57
53 546 ...	Solid Carbide milling cutters	14 / 59
53 547 ...	Solid Carbide milling cutters	14 / 57
53 548 ...	Solid Carbide milling cutters	14 / 59
53 549 ...	Solid Carbide milling cutters	14 / 57
53 550 ...	Solid Carbide milling cutters	14 / 61
53 551 ...	Solid Carbide milling cutters	14 / 61
53 552 ...	Solid Carbide milling cutters	14 / 62
53 553 ...	Solid Carbide milling cutters	14 / 62
53 554 ...	Solid Carbide milling cutters	14 / 62
53 555 ...	Solid Carbide milling cutters	14 / 68
53 556 ...	Solid Carbide milling cutters	14 / 68
53 557 ...	Solid Carbide milling cutters	14 / 68
53 558 ...	Solid Carbide milling cutters	14 / 68
53 559 ...	Solid Carbide milling cutters	14 / 68
53 560 ...	Solid Carbide milling cutters	14 / 63
53 561 ...	Solid Carbide milling cutters	14 / 63
53 562 ...	Solid Carbide milling cutters	14 / 63
53 563 ...	Solid Carbide milling cutters	14 / 63
53 564 ...	Solid Carbide milling cutters	14 / 63
53 565 ...	Solid Carbide milling cutters	14 / 64
53 566 ...	Solid Carbide milling cutters	14 / 64
53 567 ...	Solid Carbide milling cutters	14 / 64
53 568 ...	Solid Carbide milling cutters	14 / 64
53 569 ...	Solid Carbide milling cutters	14 / 64
53 570 ...	Solid Carbide milling cutters	14 / 65
53 571 ...	Solid Carbide milling cutters	14 / 65
53 572 ...	Solid Carbide milling cutters	14 / 65
53 573 ...	Solid Carbide milling cutters	14 / 65
53 574 ...	Solid Carbide milling cutters	14 / 66
53 575 ...	Solid Carbide milling cutters	14 / 66
53 576 ...	Solid Carbide milling cutters	14 / 67
53 577 ...	Solid Carbide milling cutters	14 / 67
53 585 ...	Solid Carbide milling cutters	14 / 38
53 586 ...	Solid Carbide milling cutters	14 / 40
53 587 ...	Solid Carbide milling cutters	14 / 38
53 589 ...	Solid Carbide milling cutters	14 / 39
53 590 ...	Solid Carbide milling cutters	14 / 43
53 591 ...	Solid Carbide milling cutters	14 / 43
53 592 ...	Solid Carbide milling cutters	14 / 41
53 593 ...	Solid Carbide milling cutters	14 / 42
53 594 ...	Solid Carbide milling cutters	14 / 44
53 595 ...	Solid Carbide milling cutters	14 / 44
53 596 ...	Solid Carbide milling cutters	14 / 47
53 600 ...	Solid Carbide milling cutters	14 / 31
53 601 ...	Solid Carbide milling cutters	14 / 31
53 602 ...	Solid Carbide milling cutters	14 / 33
53 603 ...	Solid Carbide milling cutters	14 / 28
53 604 ...	Solid Carbide milling cutters	14 / 28
53 605 ...	Solid Carbide milling cutters	14 / 30
53 606 ...	Solid Carbide milling cutters	14 / 30
54 001 ...	Solid Carbide milling cutters	14 / 160
54 002 ...	Solid Carbide milling cutters	14 / 160
54 003 ...	Solid Carbide milling cutters	14 / 160
54 004 ...	Solid Carbide milling cutters	14 / 160
54 005 ...	Solid Carbide milling cutters	14 / 160
54 006 ...	Solid Carbide milling cutters	14 / 160
54 007 ...	HSS Milling Cutters	13 / 16
54 008 ...	HSS Milling Cutters	13 / 16
54 009 ...	HSS Milling Cutters	13 / 18
54 010 ...	HSS Milling Cutters	13 / 20
54 011 ...	HSS Milling Cutters	13 / 13
54 012 ...	HSS Milling Cutters	13 / 18
54 013 ...	HSS Milling Cutters	13 / 20
54 014 ...	HSS Milling Cutters	13 / 10
54 016 ...	HSS Milling Cutters	13 / 11
54 017 ...	HSS Milling Cutters	13 / 13
54 018 ...	HSS Milling Cutters	13 / 14
54 019 ...	HSS Milling Cutters	13 / 14
54 020 ...	HSS Milling Cutters	13 / 8
54 021 ...	HSS Milling Cutters	13 / 11
54 022 ...	HSS Milling Cutters	13 / 24
54 023 ...	HSS Milling Cutters	13 / 24
54 024 ...	HSS Milling Cutters	13 / 24
54 025 ...	HSS Milling Cutters	13 / 8
54 026 ...	HSS Milling Cutters	13 / 21
54 027 ...	HSS Milling Cutters	13 / 21
54 028 ...	HSS Milling Cutters	13 / 17
54 029 ...	HSS Milling Cutters	13 / 17
54 030 ...	HSS Milling Cutters	13 / 22
54 031 ...	HSS Milling Cutters	13 / 23
54 032 ...	HSS Milling Cutters	13 / 23
54 033 ...	HSS Milling Cutters	13 / 23
54 034 ...	HSS Milling Cutters	13 / 19
54 035 ...	HSS Milling Cutters	13 / 37
54 036 ...	HSS Milling Cutters	13 / 37
54 037 ...	HSS Milling Cutters	13 / 38
54 038 ...	HSS Milling Cutters	13 / 26
54 039 ...	HSS Milling Cutters	13 / 26
54 040 ...	HSS Milling Cutters	13 / 27
54 041 ...	HSS Milling Cutters	13 / 25
54 042 ...	HSS Milling Cutters	13 / 10
54 050 ...	Solid Carbide milling cutters	14 / 159
54 051 ...	Solid Carbide milling cutters	14 / 159
54 052 ...	Solid Carbide milling cutters	14 / 159
54 053 ...	Solid Carbide milling cutters	14 / 161
54 054 ...	Solid Carbide milling cutters	14 / 161
54 055 ...	Solid Carbide milling cutters	14 / 195
54 056 ...	Solid Carbide milling cutters	14 / 195
54 057 ...	Solid Carbide milling cutters	14 / 197
54 058 ...	Solid Carbide milling cutters	14 / 197
54 060 ...	Solid Carbide milling cutters	14 / 159
54 061 ...	Solid Carbide milling cutters	14 / 159
54 062 ...	Solid Carbide milling cutters	14 / 159
54 063 ...	Solid Carbide milling cutters	14 / 161
54 064 ...	Solid Carbide milling cutters	14 / 161
54 590 ...	Solid Carbide milling cutters	14 / 127
54 591 ...	Solid Carbide milling cutters	14 / 128
54 592 ...	Solid Carbide milling cutters	14 / 128
54 593 ...	Solid Carbide milling cutters	14 / 128
54 594 ...	Solid Carbide milling cutters	14 / 130
54 595 ...	Solid Carbide milling cutters	14 / 131
54 596 ...	Solid Carbide milling cutters	14 / 130
54 597 ...	Solid Carbide milling cutters	14 / 131
54 610 ...	Solid Carbide milling cutters	14 / 134
54 611 ...	Solid Carbide milling cutters	14 / 133

Article no.	Designation	Page(s)
54 612 ...	Solid Carbide milling cutters	14 / 134
54 613 ...	Solid Carbide milling cutters	14 / 133
54 620 ...	Solid Carbide milling cutters	14 / 135
54 622 ...	Solid Carbide milling cutters	14 / 135
54 625 ...	Solid Carbide milling cutters	14 / 175
54 627 ...	Solid Carbide milling cutters	14 / 175
54 630 ...	Solid Carbide milling cutters	14 / 137
54 631 ...	Solid Carbide milling cutters	14 / 137
54 632 ...	Solid Carbide milling cutters	14 / 137
54 633 ...	Solid Carbide milling cutters	14 / 136
54 640 ...	Solid Carbide milling cutters	14 / 185
54 642 ...	Solid Carbide milling cutters	14 / 185
54 650 ...	Solid Carbide milling cutters	14 / 138
54 652 ...	Solid Carbide milling cutters	14 / 138
54 700 ...	Solid Carbide milling cutters	14 / 228
54 800 ...	Circular and Thread Milling	7 / 63
54 801 ...	Circular and Thread Milling	7 / 59
54 802 ...	Circular and Thread Milling	7 / 63
54 803 ...	Circular and Thread Milling	7 / 59
54 804 ...	Circular and Thread Milling	7 / 63
54 805 ...	Circular and Thread Milling	7 / 59
54 806 ...	Circular and Thread Milling	7 / 64
54 808 ...	Circular and Thread Milling	7 / 64
54 809 ...	Circular and Thread Milling	7 / 60
54 810 ...	Circular and Thread Milling	7 / 64
54 811 ...	Circular and Thread Milling	7 / 60
54 812 ...	Circular and Thread Milling	7 / 65
54 813 ...	Circular and Thread Milling	7 / 60
54 832 ...	Circular and Thread Milling	7 / 66
55 107 ...	Milling tools with indexable inserts	15 / 80
55 108 ...	Milling tools with indexable inserts	15 / 84
55 112 ...	Milling tools with indexable inserts	15 / 106
55 202 ...	Milling tools with indexable inserts	15 / 33
55 210 ...	Milling tools with indexable inserts	15 / 78
56 100 ...	Milling tools with indexable inserts	15 / 121
56 101 ...	Milling tools with indexable inserts	15 / 121
56 102 ...	Milling tools with indexable inserts	15 / 122
56 104 ...	Milling tools with indexable inserts	15 / 123
56 110 ...	Milling tools with indexable inserts	15 / 126
56 111 ...	Milling tools with indexable inserts	15 / 126
56 112 ...	Milling tools with indexable inserts	15 / 127
56 120 ...	Milling tools with indexable inserts	15 / 124
56 130 ...	Milling tools with indexable inserts	15 / 128
56 141 ...	Milling tools with indexable inserts	15 / 125
56 143 ...	Milling tools with indexable inserts	15 / 125
56 145 ...	Milling tools with indexable inserts	15 / 125
56 147 ...	Milling tools with indexable inserts	15 / 125
56 149 ...	Milling tools with indexable inserts	15 / 125
56 159 ...	Milling tools with indexable inserts	15 / 129
56 161 ...	Milling tools with indexable inserts	15 / 129
56 163 ...	Milling tools with indexable inserts	15 / 129
56 165 ...	Milling tools with indexable inserts	15 / 129
56 167 ...	Milling tools with indexable inserts	15 / 129
56 168 ...	Milling tools with indexable inserts	15 / 129
56 169 ...	Milling tools with indexable inserts	15 / 125
56 171 ...	Milling tools with indexable inserts	15 / 129
56 302 ...	Milling tools with indexable inserts	15 / 118
56 304 ...	Milling tools with indexable inserts	15 / 118
56 309 ...	Milling tools with indexable inserts	15 / 118
56 314 ...	Milling tools with indexable inserts	15 / 118
56 327 ...	Milling tools with indexable inserts	15 / 50
56 348 ...	Milling tools with indexable inserts	15 / 118
56 353 ...	Milling tools with indexable inserts	15 / 105
56 355 ...	Milling tools with indexable inserts	15 / 105
56 403 ...	Milling tools with indexable inserts	15 / 114
56 405 ...	Milling tools with indexable inserts	15 / 115
56 407 ...	Milling tools with indexable inserts	15 / 116
56 409 ...	Milling tools with indexable inserts	15 / 117
56 411 ...	Milling tools with indexable inserts	15 / 104
56 417 ...	Milling tools with indexable inserts	15 / 104
56 441 ...	Milling tools with indexable inserts	15 / 115
56 443 ...	Milling tools with indexable inserts	15 / 116
56 511 ...	Milling tools with indexable inserts	15 / 49
56 703 ...	Adapters	16 / 37
56 705 ...	Adapters	16 / 37
56 707 ...	Adapters	16 / 37
56 708 ...	Accessories	17 / 20
56 709 ...	Adapters	16 / 38
56 711 ...	Adapters	16 / 74
56 714 ...	Adapters	16 / 125
56 719 ...	Adapters	16 / 126
56 721 ...	Accessories	17 / 18
56 727 ...	Accessories	17 / 17
56 729 ...	Accessories	17 / 17
56 731 ...	Accessories	17 / 21
56 733 ...	Accessories	17 / 19
56 735 ...	Accessories	17 / 19
56 743 ...	Accessories	17 / 18
56 744 ...	Accessories	17 / 18
56 900 ...	Solid Carbide milling cutters	14 / 217
56 902 ...	Solid Carbide milling cutters	14 / 218
56 904 ...	Solid Carbide milling cutters	14 / 218
62 104 ...	Spindle Tooling	5 / 43
62 107 ...	Spindle Tooling	5 / 40
62 108 ...	Spindle Tooling	5 / 40
62 109 ...	Spindle Tooling	5 / 43
62 112 ...	Spindle Tooling	5 / 41
62 122 ...	Spindle Tooling	5 / 42
62 295 ...	Spindle Tooling	5 / 36
62 296 ...	Spindle Tooling	5 / 37
62 297 ...	Spindle Tooling	5 / 38
62 298 ...	Spindle Tooling	5 / 38
62 299 ...	Spindle Tooling	5 / 37
62 300 ...	Spindle Tooling	5 / 24
62 303 ...	Spindle Tooling	5 / 27
62 304 ...	Spindle Tooling	5 / 14
62 305 ...	Spindle Tooling	5 / 32
62 306 ...	Spindle Tooling	5 / 39
62 307 ...	Spindle Tooling	5 / 39
62 308 ...	Spindle Tooling	5 / 27
62 309 ...	Spindle Tooling	5 / 20
62 317 ...	Spindle Tooling	5 / 14
62 318 ...	Spindle Tooling	5 / 28
62 320 ...	Spindle Tooling	5 / 28
62 321 ...	Spindle Tooling	5 / 29
62 326 ...	Spindle Tooling	5 / 18
62 329 ...	Spindle Tooling	5 / 15
62 332 ...	Spindle Tooling	5 / 19
62 333 ...	Spindle Tooling	5 / 19
62 334 ...	Spindle Tooling	5 / 25
62 335 ...	Spindle Tooling	5 / 22
62 337 ...	Spindle Tooling	5 / 22
62 341 ...	Spindle Tooling	5 / 22
62 345 ...	Spindle Tooling	5 / 25
62 346 ...	Spindle Tooling	5 / 21
62 349 ...	Spindle Tooling	5 / 15
62 351 ...	Spindle Tooling	5 / 46
62 353 ...	Spindle Tooling	5 / 23
62 354 ...	Spindle Tooling	5 / 28
62 357 ...	Spindle Tooling	5 / 44
62 358 ...	Spindle Tooling	5 / 17
62 361 ...	Spindle Tooling	5 / 23
62 363 ...	Spindle Tooling	5 / 20
62 364 ...	Spindle Tooling	5 / 30
62 365 ...	Spindle Tooling	5 / 31
62 372 ...	Spindle Tooling	5 / 16
62 373 ...	Spindle Tooling	5 / 16
62 374 ...	Spindle Tooling	5 / 17
62 375 ...	Spindle Tooling	5 / 21
62 376 ...	Spindle Tooling	5 / 17
62 377 ...	Spindle Tooling	5 / 21
62 378 ...	Spindle Tooling	5 / 17
62 379 ...	Spindle Tooling	5 / 17
62 380 ...	Spindle Tooling	5 / 34
62 381 ...	Spindle Tooling	5 / 35
62 382 ...	Spindle Tooling	5 / 12
62 383 ...	Spindle Tooling	5 / 13
62 384 ...	Spindle Tooling	5 / 13
62 385 ...	Spindle Tooling	5 / 13
62 386 ...	Spindle Tooling	5 / 12
62 404 ...	Spindle Tooling	5 / 23
62 438 ...	Spindle Tooling	5 / 32
62 439 ...	Spindle Tooling	5 / 33
62 600 ...	Spindle Tooling	5 / 9
62 601 ...	Spindle Tooling	5 / 10
62 602 ...	Spindle Tooling	5 / 11
62 800 ...	Spindle Tooling	5 / 6
62 820 ...	Spindle Tooling	5 / 5
62 840 ...	Spindle Tooling	5 / 5

Article no.	Designation	Page(s)
62 850 ...	Spindle Tooling	5 / 7
62 860 ...	Spindle Tooling	5 / 7
62 861 ...	Spindle Tooling	5 / 7
62 862 ...	Spindle Tooling	5 / 8
62 863 ...	Spindle Tooling	5 / 7
65 170 ...	Adapters	16 / 201
70 002 ...	Turning Tools	9 / 36
70 100 ...	Turning Tools	9 / 11
70 101 ...	Turning Tools	9 / 8
70 102 ...	Turning Tools	9 / 13
70 103 ...	Turning Tools	9 / 13
70 114 ...	Turning Tools	9 / 34
70 117 ...	Turning Tools	9 / 13
70 118 ...	Turning Tools	9 / 25
70 119 ...	Turning Tools	9 / 13
70 129 ...	Turning Tools	9 / 36
70 130 ...	Turning Tools	9 / 13
70 131 ...	Turning Tools	9 / 49
70 132 ...	Turning Tools	9 / 9
70 133 ...	Turning Tools	9 / 23
70 134 ...	Turning Tools	9 / 43
70 139 ...	Turning Tools	9 / 53
70 148 ...	Turning Tools	9 / 44
70 152 ...	Turning Tools	9 / 44
70 155 ...	Turning Tools	9 / 43
70 156 ...	Turning Tools	9 / 24
70 158 ...	Turning Tools	9 / 26
70 167 ...	Turning Tools	9 / 49
70 169 ...	Turning Tools	9 / 54
70 178 ...	Turning Tools	9 / 54
70 179 ...	Turning Tools	9 / 54
70 185 ...	Turning Tools	9 / 61
70 186 ...	Turning Tools	9 / 81
70 187 ...	Turning Tools	9 / 115
70 188 ...	Turning Tools	9 / 99
70 189 ...	Turning Tools	9 / 123
70 191 ...	Turning Tools	9 / 62
70 192 ...	Turning Tools	9 / 82
70 193 ...	Turning Tools	9 / 128
70 225 ...	Turning Tools	9 / 34
70 240 ...	Turning Tools	9 / 32
70 245 ...	Turning Tools	9 / 62
70 246 ...	Turning Tools	9 / 82
70 247 ...	Turning Tools	9 / 128
70 248 ...	Turning Tools	9 / 61
70 249 ...	Turning Tools	9 / 60
70 251 ...	Turning Tools	9 / 59
70 252 ...	Reaming and Countersinking	4 / 41
70 252 ...	Turning Tools	9 / 60
70 253 ...	Turning Tools	9 / 61
70 254 ...	Reaming and Countersinking	4 / 41
70 254 ...	Turning Tools	9 / 61
70 255 ...	Turning Tools	9 / 61

Article no.	Designation	Page(s)
70 257 ...	Turning Tools	9 / 81
70 258 ...	Turning Tools	9 / 81
70 259 ...	Turning Tools	9 / 81
70 260 ...	Turning Tools	9 / 81
70 261 ...	Turning Tools	9 / 82
70 263 ...	Turning Tools	9 / 82
70 265 ...	Turning Tools	9 / 80
70 266 ...	Turning Tools	9 / 100
70 268 ...	Turning Tools	9 / 105
70 270 ...	Turning Tools	9 / 106
70 271 ...	Turning Tools	9 / 105
70 273 ...	Turning Tools	9 / 53
70 274 ...	Turning Tools	9 / 115
70 276 ...	Turning Tools	9 / 115
70 277 ...	Turning Tools	9 / 126
70 278 ...	Turning Tools	9 / 127
70 279 ...	Turning Tools	9 / 127
70 280 ...	Turning Tools	9 / 127
70 282 ...	Turning Tools	9 / 127
70 283 ...	Turning Tools	9 / 106
70 284 ...	Turning Tools	9 / 114
70 286 ...	EcoCut	10 / 8
70 287 ...	Turning Tools	9 / 141
70 288 ...	Turning Tools	9 / 126
70 289 ...	EcoCut	10 / 12
70 294 ...	Spindle Tooling	5 / 47
70 295 ...	Spindle Tooling	5 / 47
70 296 ...	Spindle Tooling	5 / 48
70 300 ...	Spindle Tooling	5 / 48
70 327 ...	Grooving Tools	11 / 75
70 330 ...	Grooving Tools	11 / 23
70 331 ...	Grooving Tools	11 / 22
70 332 ...	Grooving Tools	11 / 24
70 334 ...	Grooving Tools	11 / 25
70 335 ...	Grooving Tools	11 / 26
70 337 ...	Grooving Tools	11 / 71
70 338 ...	Grooving Tools	11 / 88
70 339 ...	Grooving Tools	11 / 89
70 340 ...	Grooving Tools	11 / 90
70 342 ...	Grooving Tools	11 / 9
70 343 ...	Grooving Tools	11 / 10
70 344 ...	Grooving Tools	11 / 12
70 346 ...	Grooving Tools	11 / 8
70 349 ...	Grooving Tools	11 / 11
70 350 ...	Grooving Tools	11 / 46
70 351 ...	Grooving Tools	11 / 32
70 352 ...	Grooving Tools	11 / 35
70 353 ...	Grooving Tools	11 / 52
70 354 ...	Grooving Tools	11 / 50
70 355 ...	Grooving Tools	11 / 81
70 356 ...	Grooving Tools	11 / 83
70 357 ...	Grooving Tools	11 / 79
70 358 ...	Grooving Tools	11 / 80

Article no.	Designation	Page(s)
70 359 ...	Grooving Tools	11 / 82
70 360 ...	Grooving Tools	11 / 30
70 362 ...	Grooving Tools	11 / 33
70 363 ...	Grooving Tools	11 / 48
70 364 ...	Grooving Tools	11 / 49
70 386 ...	EcoCut	10 / 8
70 500 ...	Turning Tools	9 / 18
70 501 ...	Turning Tools	9 / 18
70 502 ...	Turning Tools	9 / 51
70 503 ...	Turning Tools	9 / 51
70 504 ...	Turning Tools	9 / 19
70 505 ...	Turning Tools	9 / 19
70 506 ...	Turning Tools	9 / 51
70 508 ...	Turning Tools	9 / 18
70 509 ...	Turning Tools	9 / 18
70 512 ...	Turning Tools	9 / 37
70 513 ...	Turning Tools	9 / 37
70 516 ...	Turning Tools	9 / 39
70 520 ...	Turning Tools	9 / 38
70 521 ...	Turning Tools	9 / 40
70 524 ...	Turning Tools	9 / 40
70 525 ...	Turning Tools	9 / 40
70 528 ...	Turning Tools	9 / 46
70 529 ...	Turning Tools	9 / 46
70 532 ...	Turning Tools	9 / 47
70 533 ...	Turning Tools	9 / 47
70 534 ...	Turning Tools	9 / 47
70 535 ...	Turning Tools	9 / 47
70 536 ...	Turning Tools	9 / 29
70 537 ...	Turning Tools	9 / 29
70 540 ...	Turning Tools	9 / 28
70 541 ...	Turning Tools	9 / 28
70 542 ...	Turning Tools	9 / 56
70 543 ...	Turning Tools	9 / 56
70 544 ...	Turning Tools	9 / 103
70 556 ...	Turning Tools	9 / 20
70 557 ...	Turning Tools	9 / 20
70 558 ...	Turning Tools	9 / 21
70 559 ...	Turning Tools	9 / 21
70 560 ...	Turning Tools	9 / 41
70 561 ...	Turning Tools	9 / 41
70 562 ...	Turning Tools	9 / 31
70 563 ...	Turning Tools	9 / 31
70 564 ...	Turning Tools	9 / 48
70 565 ...	Turning Tools	9 / 48
70 566 ...	Turning Tools	9 / 58
70 567 ...	Turning Tools	9 / 58
70 568 ...	Turning Tools	9 / 30
70 569 ...	Turning Tools	9 / 30
70 572 ...	Turning Tools	9 / 57
70 573 ...	Turning Tools	9 / 57
70 588 ...	Turning Tools	9 / 110
70 589 ...	Turning Tools	9 / 110

Article no.	Designation	Page(s)
70 590 ...	Turning Tools	9 / 46
70 591 ...	Turning Tools	9 / 46
70 624 ...	Turning Tools	9 / 111
70 625 ...	Turning Tools	9 / 111
70 640 ...	Turning Tools	9 / 73
70 641 ...	Turning Tools	9 / 73
70 648 ...	Turning Tools	9 / 72
70 649 ...	Turning Tools	9 / 72
70 652 ...	Turning Tools	9 / 71
70 653 ...	Turning Tools	9 / 71
70 656 ...	Turning Tools	9 / 108
70 660 ...	Turning Tools	9 / 108
70 661 ...	Turning Tools	9 / 108
70 664 ...	Turning Tools	9 / 109
70 665 ...	Turning Tools	9 / 109
70 668 ...	Turning Tools	9 / 109
70 669 ...	Turning Tools	9 / 109
70 672 ...	Turning Tools	9 / 121
70 673 ...	Turning Tools	9 / 121
70 676 ...	Turning Tools	9 / 120
70 677 ...	Turning Tools	9 / 120
70 680 ...	Turning Tools	9 / 93
70 684 ...	Turning Tools	9 / 91
70 685 ...	Turning Tools	9 / 91
70 688 ...	Turning Tools	9 / 92
70 689 ...	Turning Tools	9 / 92
70 690 ...	Turning Tools	9 / 137
70 691 ...	Turning Tools	9 / 137
70 692 ...	Turning Tools	9 / 136
70 694 ...	Turning Tools	9 / 136
70 695 ...	Turning Tools	9 / 136
70 696 ...	Turning Tools	9 / 134
70 697 ...	Turning Tools	9 / 134
70 698 ...	Turning Tools	9 / 29
70 699 ...	Turning Tools	9 / 29
70 700 ...	Turning Tools	9 / 135
70 701 ...	Turning Tools	9 / 135
70 704 ...	Turning Tools	9 / 135
70 705 ...	Turning Tools	9 / 135
70 706 ...	Turning Tools	9 / 79
70 707 ...	Turning Tools	9 / 79
70 708 ...	Turning Tools	9 / 102
70 712 ...	Turning Tools	9 / 104
70 713 ...	Turning Tools	9 / 104
70 714 ...	Turning Tools	9 / 79
70 715 ...	Turning Tools	9 / 79
70 716 ...	Turning Tools	9 / 75
70 717 ...	Turning Tools	9 / 75
70 718 ...	Turning Tools	9 / 76
70 719 ...	Turning Tools	9 / 77
70 720 ...	Turning Tools	9 / 111
70 721 ...	Turning Tools	9 / 111
70 722 ...	Turning Tools	9 / 78
70 723 ...	Turning Tools	9 / 78
70 724 ...	Turning Tools	9 / 112
70 725 ...	Turning Tools	9 / 112
70 726 ...	Turning Tools	9 / 140
70 727 ...	Turning Tools	9 / 140
70 728 ...	Turning Tools	9 / 122
70 729 ...	Turning Tools	9 / 122
70 730 ...	Turning Tools	9 / 143
70 731 ...	Turning Tools	9 / 143
70 732 ...	Turning Tools	9 / 98
70 733 ...	Turning Tools	9 / 98
70 736 ...	Turning Tools	9 / 94
70 737 ...	Turning Tools	9 / 94
70 738 ...	Turning Tools	9 / 95
70 739 ...	Turning Tools	9 / 96
70 740 ...	Turning Tools	9 / 96
70 741 ...	Turning Tools	9 / 96
70 742 ...	Turning Tools	9 / 143
70 743 ...	Turning Tools	9 / 143
70 744 ...	Turning Tools	9 / 138
70 745 ...	Turning Tools	9 / 138
70 746 ...	Turning Tools	9 / 139
70 747 ...	Turning Tools	9 / 139
70 748 ...	Turning Tools	9 / 139
70 749 ...	Turning Tools	9 / 139
70 750 ...	Turning Tools	9 / 97
70 751 ...	Turning Tools	9 / 97
70 752 ...	Turning Tools	9 / 74
70 756 ...	Turning Tools	9 / 73
70 757 ...	Turning Tools	9 / 73
70 760 ...	Turning Tools	9 / 72
70 761 ...	Turning Tools	9 / 72
70 768 ...	Turning Tools	9 / 120
70 769 ...	Turning Tools	9 / 120
70 782 ...	Turning Tools	9 / 121
70 784 ...	Turning Tools	9 / 93
70 788 ...	Turning Tools	9 / 92
70 789 ...	Turning Tools	9 / 92
70 792 ...	Turning Tools	9 / 78
70 793 ...	Turning Tools	9 / 78
70 794 ...	Turning Tools	9 / 125
70 795 ...	Turning Tools	9 / 125
70 796 ...	Turning Tools	9 / 124
70 797 ...	Turning Tools	9 / 124
70 798 ...	Turning Tools	9 / 32
70 799 ...	Turning Tools	9 / 32
70 800 ...	EcoCut	10 / 6
70 801 ...	EcoCut	10 / 7
70 804 ...	EcoCut	10 / 5
70 805 ...	EcoCut	10 / 5
70 820 ...	EcoCut	10 / 14
70 821 ...	EcoCut	10 / 14
70 823 ...	Grooving Tools	11 / 77
70 824 ...	Grooving Tools	11 / 77
70 825 ...	Grooving Tools	11 / 78
70 826 ...	Grooving Tools	11 / 78
70 827 ...	Grooving Tools	11 / 76
70 828 ...	Grooving Tools	11 / 76
70 829 ...	Grooving Tools	11 / 97
70 830 ...	Grooving Tools	11 / 98
70 831 ...	Grooving Tools	11 / 99
70 832 ...	Grooving Tools	11 / 29
70 833 ...	Grooving Tools	11 / 74
70 834 ...	Grooving Tools	11 / 57
70 835 ...	Grooving Tools	11 / 73
70 836 ...	Grooving Tools	11 / 28
70 837 ...	Grooving Tools	11 / 28
70 846 ...	Grooving Tools	11 / 21
70 847 ...	Grooving Tools	11 / 20
70 850 ...	Grooving Tools	11 / 93
70 851 ...	Grooving Tools	11 / 93
70 852 ...	Grooving Tools	11 / 94
70 853 ...	Grooving Tools	11 / 94
70 854 ...	Grooving Tools	11 / 95
70 855 ...	Grooving Tools	11 / 95
70 856 ...	Grooving Tools	11 / 87
70 857 ...	Grooving Tools	11 / 87
70 858 ...	Grooving Tools	11 / 44
70 859 ...	Grooving Tools	11 / 44
70 860 ...	Grooving Tools	11 / 96
70 861 ...	Grooving Tools	11 / 96
70 862 ...	Grooving Tools	11 / 42
70 863 ...	Grooving Tools	11 / 42
70 865 ...	Grooving Tools	11 / 39
70 866 ...	Grooving Tools	11 / 39
70 867 ...	Grooving Tools	11 / 53
70 868 ...	Grooving Tools	11 / 53
70 870 ...	Grooving Tools	11 / 38
70 871 ...	Grooving Tools	11 / 38
70 872 ...	Grooving Tools	11 / 84
70 873 ...	Grooving Tools	11 / 91
70 874 ...	Grooving Tools	11 / 92
70 875 ...	Grooving Tools	11 / 27
70 876 ...	Grooving Tools	11 / 27
70 877 ...	Grooving Tools	11 / 18
70 879 ...	Grooving Tools	11 / 17
70 880 ...	Grooving Tools	11 / 41
70 881 ...	Grooving Tools	11 / 41
70 882 ...	Grooving Tools	11 / 85
70 883 ...	Grooving Tools	11 / 85
70 884 ...	Grooving Tools	11 / 15
70 885 ...	Grooving Tools	11 / 40
70 886 ...	Grooving Tools	11 / 40
70 887 ...	Grooving Tools	11 / 86
70 888 ...	Grooving Tools	11 / 43
70 889 ...	Grooving Tools	11 / 43

Article no.	Designation	Page(s)
70 890 ...	Grooving Tools	11 / 55
70 891 ...	Grooving Tools	11 / 55
70 892 ...	Grooving Tools	11 / 45
70 893 ...	Grooving Tools	11 / 45
70 894 ...	Grooving Tools	11 / 56
70 895 ...	Grooving Tools	11 / 56
70 896 ...	Grooving Tools	11 / 13
70 897 ...	Grooving Tools	11 / 13
70 903 ...	Grooving Tools	11 / 60
70 904 ...	Grooving Tools	11 / 60
71 000 ...	Turning Tools	9 / 65
71 001 ...	Turning Tools	9 / 65
71 002 ...	Turning Tools	9 / 65
71 003 ...	Turning Tools	9 / 14
71 005 ...	Turning Tools	9 / 14
71 007 ...	Turning Tools	9 / 85
71 008 ...	Turning Tools	9 / 85
71 009 ...	Turning Tools	9 / 85
71 012 ...	Turning Tools	9 / 85
71 017 ...	Turning Tools	9 / 27
71 027 ...	Turning Tools	9 / 117
71 028 ...	Turning Tools	9 / 116
71 029 ...	Turning Tools	9 / 116
71 034 ...	Turning Tools	9 / 117
71 035 ...	Turning Tools	9 / 129
71 036 ...	Turning Tools	9 / 129
71 037 ...	Turning Tools	9 / 142
71 062 ...	Turning Tools	9 / 132
71 063 ...	Turning Tools	9 / 132
71 064 ...	Turning Tools	9 / 132
71 108 ...	Turning Tools	9 / 45
71 120 ...	Turning Tools	9 / 68
71 121 ...	Turning Tools	9 / 66
71 123 ...	Turning Tools	9 / 66
71 124 ...	Turning Tools	9 / 68
71 125 ...	Turning Tools	9 / 68
71 126 ...	Turning Tools	9 / 69
71 130 ...	Turning Tools	9 / 86
71 131 ...	Turning Tools	9 / 83
71 134 ...	Turning Tools	9 / 85
71 135 ...	Turning Tools	9 / 88
71 136 ...	Turning Tools	9 / 88
71 138 ...	Turning Tools	9 / 89
71 139 ...	Turning Tools	9 / 89
71 140 ...	Turning Tools	9 / 117
71 144 ...	Turning Tools	9 / 90
71 145 ...	Turning Tools	9 / 90
71 154 ...	Turning Tools	9 / 142
71 160 ...	Turning Tools	9 / 130
71 161 ...	Turning Tools	9 / 67
71 162 ...	Turning Tools	9 / 67
71 163 ...	Turning Tools	9 / 86
71 164 ...	Turning Tools	9 / 116

Article no.	Designation	Page(s)
71 165 ...	Turning Tools	9 / 129
71 200 ...	Thread turning	8 / 29
71 202 ...	Thread turning	8 / 29
71 203 ...	Thread turning	8 / 30
71 204 ...	Thread turning	8 / 30
71 206 ...	Thread turning	8 / 27
71 208 ...	Thread turning	8 / 27
71 210 ...	Thread turning	8 / 28
71 212 ...	Thread turning	8 / 28
71 220 ...	Thread turning	8 / 4
71 221 ...	Thread turning	8 / 8
71 222 ...	Thread turning	8 / 5
71 224 ...	Thread turning	8 / 6
71 226 ...	Thread turning	8 / 7
71 228 ...	Thread turning	8 / 11
71 229 ...	Thread turning	8 / 12
71 230 ...	Thread turning	8 / 13
71 231 ...	Thread turning	8 / 14
71 232 ...	Thread turning	8 / 21
71 234 ...	Thread turning	8 / 21
71 236 ...	Thread turning	8 / 22
71 238 ...	Thread turning	8 / 22
71 240 ...	Thread turning	8 / 25
71 242 ...	Thread turning	8 / 25
71 244 ...	Thread turning	8 / 26
71 246 ...	Thread turning	8 / 26
71 248 ...	Thread turning	8 / 23
71 250 ...	Thread turning	8 / 23
71 252 ...	Thread turning	8 / 24
71 254 ...	Thread turning	8 / 24
71 256 ...	Thread turning	8 / 19
71 258 ...	Thread turning	8 / 19
71 260 ...	Thread turning	8 / 20
71 262 ...	Thread turning	8 / 20
71 264 ...	Thread turning	8 / 15
71 266 ...	Thread turning	8 / 16
71 268 ...	Thread turning	8 / 17
71 270 ...	Thread turning	8 / 18
71 271 ...	Thread turning	8 / 34
71 272 ...	Thread turning	8 / 35
71 273 ...	Thread turning	8 / 36
71 274 ...	Thread turning	8 / 35
71 275 ...	Thread turning	8 / 37
71 276 ...	Thread turning	8 / 34
71 277 ...	Thread turning	8 / 36
71 278 ...	Thread turning	8 / 34
71 280 ...	Thread turning	8 / 31
71 281 ...	Thread turning	8 / 31
71 282 ...	Thread turning	8 / 33
71 283 ...	Thread turning	8 / 32
71 284 ...	Thread turning	8 / 10
71 285 ...	Thread turning	8 / 10
71 286 ...	Thread turning	8 / 9

Article no.	Designation	Page(s)
71 287 ...	Thread turning	8 / 9
71 294 ...	Thread turning	8 / 38
71 295 ...	Thread turning	8 / 38
71 300 ...	Turning Tools	9 / 70
71 301 ...	Turning Tools	9 / 70
71 302 ...	Turning Tools	9 / 70
71 305 ...	Turning Tools	9 / 69
71 306 ...	Turning Tools	9 / 70
71 310 ...	Turning Tools	9 / 90
71 311 ...	Turning Tools	9 / 90
71 312 ...	Turning Tools	9 / 90
71 315 ...	Turning Tools	9 / 101
71 316 ...	Turning Tools	9 / 101
71 320 ...	Turning Tools	9 / 107
71 321 ...	Turning Tools	9 / 107
71 322 ...	Turning Tools	9 / 107
71 325 ...	Turning Tools	9 / 119
71 326 ...	Turning Tools	9 / 119
71 327 ...	Turning Tools	9 / 119
71 330 ...	Turning Tools	9 / 133
71 331 ...	Turning Tools	9 / 133
71 332 ...	Turning Tools	9 / 133
71 400 ...	Turning Tools	9 / 14
71 401 ...	Turning Tools	9 / 15
71 402 ...	Turning Tools	9 / 27
71 403 ...	Turning Tools	9 / 27
71 404 ...	Turning Tools	9 / 45
71 405 ...	Turning Tools	9 / 55
71 499 ...	Turning Tools	9 / 161
72 900 ...	Solid Carbide milling cutters	14 / 230
73 000 ...	Miniature turning tools	12 / 10
73 001 ...	Miniature turning tools	12 / 10
73 002 ...	Miniature turning tools	12 / 15
73 003 ...	Miniature turning tools	12 / 14
73 004 ...	Miniature turning tools	12 / 5
73 005 ...	Miniature turning tools	12 / 5
73 006 ...	Miniature turning tools	12 / 13
73 007 ...	Miniature turning tools	12 / 13
73 008 ...	Miniature turning tools	12 / 13
73 009 ...	Miniature turning tools	12 / 13
73 010 ...	Miniature turning tools	12 / 17
73 011 ...	Miniature turning tools	12 / 17
73 012 ...	Miniature turning tools	12 / 12
73 013 ...	Miniature turning tools	12 / 12
73 014 ...	Miniature turning tools	12 / 11
73 015 ...	Miniature turning tools	12 / 11
73 016 ...	Miniature turning tools	12 / 7
73 017 ...	Miniature turning tools	12 / 7
73 018 ...	Miniature turning tools	12 / 18
73 019 ...	Miniature turning tools	12 / 18
73 020 ...	Miniature turning tools	12 / 6
73 021 ...	Miniature turning tools	12 / 6
73 022 ...	Miniature turning tools	12 / 6

Article no.	Designation	Page(s)
73 023 ...	Miniature turning tools	12 / 6
73 024 ...	Miniature turning tools	12 / 8
73 025 ...	Miniature turning tools	12 / 8
73 026 ...	Miniature turning tools	12 / 9
73 027 ...	Miniature turning tools	12 / 9
73 050 ...	Miniature turning tools	12 / 23
73 051 ...	Miniature turning tools	12 / 23
73 052 ...	Miniature turning tools	12 / 23
73 053 ...	Miniature turning tools	12 / 23
73 054 ...	Miniature turning tools	12 / 28
73 055 ...	Miniature turning tools	12 / 28
73 056 ...	Miniature turning tools	12 / 28
73 057 ...	Miniature turning tools	12 / 28
73 058 ...	Miniature turning tools	12 / 25
73 059 ...	Miniature turning tools	12 / 25
73 060 ...	Miniature turning tools	12 / 26
73 061 ...	Miniature turning tools	12 / 26
73 080 ...	Miniature turning tools	12 / 31
73 081 ...	Miniature turning tools	12 / 34
73 083 ...	Miniature turning tools	12 / 35
73 084 ...	Miniature turning tools	12 / 35
73 085 ...	Miniature turning tools	12 / 29
73 086 ...	Miniature turning tools	12 / 35
73 088 ...	Miniature turning tools	12 / 33
73 089 ...	Miniature turning tools	12 / 32
73 100 ...	Miniature turning tools	12 / 19
73 101 ...	Miniature turning tools	12 / 19
73 102 ...	Miniature turning tools	12 / 21
73 103 ...	Miniature turning tools	12 / 21
73 104 ...	Miniature turning tools	12 / 22
73 105 ...	Miniature turning tools	12 / 22
73 202 ...	Miniature turning tools	12 / 16
73 203 ...	Miniature turning tools	12 / 16
73 206 ...	Miniature turning tools	12 / 21
73 207 ...	Miniature turning tools	12 / 21
73 208 ...	Miniature turning tools	12 / 20
73 209 ...	Miniature turning tools	12 / 20
73 210 ...	Miniature turning tools	12 / 22
73 211 ...	Miniature turning tools	12 / 22
73 252 ...	Miniature turning tools	12 / 24
73 253 ...	Miniature turning tools	12 / 24
73 256 ...	Miniature turning tools	12 / 28
73 257 ...	Miniature turning tools	12 / 28
73 260 ...	Miniature turning tools	12 / 26
73 261 ...	Miniature turning tools	12 / 26
73 262 ...	Miniature turning tools	12 / 27
73 263 ...	Miniature turning tools	12 / 27
73 300 ...	Grooving Tools	11 / 62
73 301 ...	Grooving Tools	11 / 61
73 302 ...	Grooving Tools	11 / 61
73 303 ...	Grooving Tools	11 / 64
73 304 ...	Grooving Tools	11 / 63
73 305 ...	Grooving Tools	11 / 65
73 306 ...	Grooving Tools	11 / 65
73 310 ...	Miniature turning tools	12 / 41
73 312 ...	Miniature turning tools	12 / 41
73 314 ...	Miniature turning tools	12 / 38
73 316 ...	Miniature turning tools	12 / 38
73 318 ...	Miniature turning tools	12 / 44
73 320 ...	Miniature turning tools	12 / 44
73 322 ...	Miniature turning tools	12 / 36
73 324 ...	Miniature turning tools	12 / 36
73 326 ...	Miniature turning tools	12 / 43
73 328 ...	Miniature turning tools	12 / 43
73 330 ...	Miniature turning tools	12 / 39
73 332 ...	Miniature turning tools	12 / 39
73 334 ...	Miniature turning tools	12 / 39
73 336 ...	Miniature turning tools	12 / 39
73 338 ...	Miniature turning tools	12 / 40
73 340 ...	Miniature turning tools	12 / 40
73 342 ...	Miniature turning tools	12 / 45
73 344 ...	Miniature turning tools	12 / 45
73 346 ...	Miniature turning tools	12 / 46
73 348 ...	Miniature turning tools	12 / 46
73 350 ...	Miniature turning tools	12 / 47
73 352 ...	Miniature turning tools	12 / 47
73 354 ...	Miniature turning tools	12 / 48
73 356 ...	Miniature turning tools	12 / 48
73 358 ...	Miniature turning tools	12 / 50
73 360 ...	Miniature turning tools	12 / 50
73 362 ...	Miniature turning tools	12 / 49
73 364 ...	Miniature turning tools	12 / 49
73 366 ...	Miniature turning tools	12 / 37
73 368 ...	Miniature turning tools	12 / 37
73 370 ...	Miniature turning tools	12 / 42
73 372 ...	Miniature turning tools	12 / 42
73 374 ...	Miniature turning tools	12 / 49
73 376 ...	Miniature turning tools	12 / 49
73 382 ...	Miniature turning tools	12 / 42
73 384 ...	Miniature turning tools	12 / 42
73 386 ...	Miniature turning tools	12 / 36
73 388 ...	Miniature turning tools	12 / 36
73 500 ...	Grooving Tools	11 / 66
73 501 ...	Grooving Tools	11 / 66
73 502 ...	Grooving Tools	11 / 67
73 503 ...	Grooving Tools	11 / 67
73 504 ...	Grooving Tools	11 / 68
73 505 ...	Grooving Tools	11 / 68
73 506 ...	Grooving Tools	11 / 69
73 507 ...	Grooving Tools	11 / 69
73 510 ...	Grooving Tools	11 / 70
73 511 ...	Grooving Tools	11 / 70
73 520 ...	Miniature turning tools	12 / 52
73 522 ...	Miniature turning tools	12 / 51
73 523 ...	Miniature turning tools	12 / 54
73 524 ...	Miniature turning tools	12 / 54
73 525 ...	Miniature turning tools	12 / 53
73 526 ...	Miniature turning tools	12 / 53
73 528 ...	Miniature turning tools	12 / 50
73 600 ...	Miniature turning tools	12 / 55
73 601 ...	Miniature turning tools	12 / 55
73 602 ...	Miniature turning tools	12 / 55
73 603 ...	Miniature turning tools	12 / 57
73 604 ...	Miniature turning tools	12 / 57
73 605 ...	Miniature turning tools	12 / 57
73 606 ...	Miniature turning tools	12 / 56
73 607 ...	Miniature turning tools	12 / 56
73 608 ...	Miniature turning tools	12 / 56
73 610 ...	Miniature turning tools	12 / 55
73 611 ...	Miniature turning tools	12 / 58
73 612 ...	Miniature turning tools	12 / 56
73 613 ...	Miniature turning tools	12 / 58
74 503 ...	Adapters	16 / 139
74 504 ...	Adapters	16 / 139
74 506 ...	Adapters	16 / 139
74 507 ...	Adapters	16 / 141
74 508 ...	Adapters	16 / 141
74 511 ...	Adapters	16 / 141
74 512 ...	Adapters	16 / 141
74 515 ...	Adapters	16 / 140
74 516 ...	Adapters	16 / 140
74 519 ...	Adapters	16 / 142
74 522 ...	Adapters	16 / 142
74 525 ...	Adapters	16 / 143
74 528 ...	Adapters	16 / 143
74 529 ...	Adapters	16 / 149
74 532 ...	Adapters	16 / 149
74 533 ...	Adapters	16 / 149
74 536 ...	Adapters	16 / 150
74 537 ...	Adapters	16 / 150
74 540 ...	Adapters	16 / 144
74 541 ...	Adapters	16 / 144
74 542 ...	Adapters	16 / 144
74 543 ...	Adapters	16 / 145
74 544 ...	Adapters	16 / 145
74 546 ...	Adapters	16 / 145
74 548 ...	Adapters	16 / 146
74 551 ...	Adapters	16 / 146
74 552 ...	Adapters	16 / 146
74 553 ...	Adapters	16 / 148
74 554 ...	Adapters	16 / 148
74 555 ...	Adapters	16 / 147
74 556 ...	Adapters	16 / 147
74 557 ...	Adapters	16 / 147
74 558 ...	Adapters	16 / 147
74 560 ...	Adapters	16 / 148
74 563 ...	Adapters	16 / 151
74 564 ...	Adapters	16 / 151
74 565 ...	Adapters	16 / 151

Article no.	Designation	Page(s)
74 566 ...	Adapters	16 / 151
74 567 ...	Adapters	16 / 152
74 568 ...	Adapters	16 / 152
74 570 ...	Adapters	16 / 155
74 571 ...	Adapters	16 / 155
74 572 ...	Adapters	16 / 155
74 573 ...	Adapters	16 / 155
74 575 ...	Adapters	16 / 156
74 576 ...	Adapters	16 / 155
74 577 ...	Adapters	16 / 156
74 580 ...	Adapters	16 / 153
74 581 ...	Adapters	16 / 153
74 582 ...	Adapters	16 / 153
74 583 ...	Adapters	16 / 153
74 584 ...	Adapters	16 / 154
74 585 ...	Adapters	16 / 154
74 590 ...	Adapters	16 / 152
74 591 ...	Adapters	16 / 152
74 600 ...	Adapters	16 / 140
75 003 ...	Turning Tools	9 / 13
75 004 ...	Turning Tools	9 / 26
75 005 ...	Turning Tools	9 / 36
75 006 ...	Turning Tools	9 / 44
75 008 ...	Turning Tools	9 / 54
75 009 ...	Turning Tools	9 / 49
75 010 ...	Turning Tools	9 / 12
75 011 ...	Turning Tools	9 / 13
75 012 ...	Turning Tools	9 / 13
75 013 ...	Turning Tools	9 / 25
75 014 ...	Turning Tools	9 / 25
75 015 ...	Turning Tools	9 / 25
75 016 ...	Turning Tools	9 / 36
75 017 ...	Turning Tools	9 / 36
75 018 ...	Turning Tools	9 / 36
75 019 ...	Turning Tools	9 / 44
75 020 ...	Turning Tools	9 / 44
75 021 ...	Turning Tools	9 / 44
75 022 ...	Turning Tools	9 / 49
75 023 ...	Turning Tools	9 / 49
75 024 ...	Turning Tools	9 / 54
75 025 ...	Turning Tools	9 / 54
75 026 ...	Turning Tools	9 / 54
75 210 ...	Turning Tools	9 / 61
75 211 ...	Turning Tools	9 / 61
75 213 ...	Turning Tools	9 / 81
75 214 ...	Turning Tools	9 / 81
75 216 ...	Turning Tools	9 / 106
75 217 ...	Turning Tools	9 / 115
75 218 ...	Turning Tools	9 / 115
75 219 ...	Turning Tools	9 / 127
75 220 ...	Turning Tools	9 / 127
76 000 ...	Turning Tools	9 / 49
76 001 ...	Turning Tools	9 / 49

Article no.	Designation	Page(s)
76 101 ...	Turning Tools	9 / 8
76 102 ...	Turning Tools	9 / 22
76 103 ...	Turning Tools	9 / 9
76 110 ...	Turning Tools	9 / 9
76 114 ...	Turning Tools	9 / 11
76 115 ...	Turning Tools	9 / 12
76 116 ...	Turning Tools	9 / 34
76 119 ...	Turning Tools	9 / 11
76 128 ...	Turning Tools	9 / 35
76 129 ...	Turning Tools	9 / 35
76 130 ...	Turning Tools	9 / 36
76 131 ...	Turning Tools	9 / 49
76 132 ...	Turning Tools	9 / 8
76 133 ...	Turning Tools	9 / 12
76 134 ...	Turning Tools	9 / 22
76 135 ...	Turning Tools	9 / 10
76 136 ...	Turning Tools	9 / 23
76 137 ...	Turning Tools	9 / 33
76 138 ...	Turning Tools	9 / 42
76 139 ...	Turning Tools	9 / 53
76 140 ...	Turning Tools	9 / 33
76 142 ...	Turning Tools	9 / 43
76 146 ...	Turning Tools	9 / 42
76 149 ...	Turning Tools	9 / 42
76 152 ...	Turning Tools	9 / 43
76 153 ...	Turning Tools	9 / 23
76 154 ...	Turning Tools	9 / 43
76 155 ...	Turning Tools	9 / 43
76 156 ...	Turning Tools	9 / 49
76 157 ...	Turning Tools	9 / 52
76 165 ...	Turning Tools	9 / 24
76 166 ...	Turning Tools	9 / 25
76 171 ...	Turning Tools	9 / 52
76 177 ...	Turning Tools	9 / 52
76 182 ...	Turning Tools	9 / 105
76 194 ...	Turning Tools	9 / 60
76 195 ...	Turning Tools	9 / 81
76 196 ...	Turning Tools	9 / 10
76 197 ...	Turning Tools	9 / 24
76 198 ...	Turning Tools	9 / 53
76 206 ...	Turning Tools	9 / 113
76 208 ...	Turning Tools	9 / 113
76 212 ...	Turning Tools	9 / 123
76 225 ...	Turning Tools	9 / 34
76 228 ...	Turning Tools	9 / 123
76 232 ...	Turning Tools	9 / 123
76 240 ...	Turning Tools	9 / 32
76 242 ...	Turning Tools	9 / 32
76 245 ...	Turning Tools	9 / 80
76 246 ...	Turning Tools	9 / 80
76 247 ...	Turning Tools	9 / 59
76 248 ...	Turning Tools	9 / 60
76 249 ...	Turning Tools	9 / 60

Article no.	Designation	Page(s)
76 250 ...	Turning Tools	9 / 60
76 251 ...	Turning Tools	9 / 59
76 252 ...	Reaming and Countersinking	4 / 41
76 252 ...	Turning Tools	9 / 60
76 253 ...	Turning Tools	9 / 60
76 254 ...	Turning Tools	9 / 82
76 255 ...	Turning Tools	9 / 128
76 256 ...	Turning Tools	9 / 80
76 257 ...	Turning Tools	9 / 80
76 258 ...	Turning Tools	9 / 81
76 259 ...	Turning Tools	9 / 80
76 260 ...	Turning Tools	9 / 105
76 261 ...	Turning Tools	9 / 105
76 262 ...	Turning Tools	9 / 99
76 263 ...	Turning Tools	9 / 24
76 264 ...	Turning Tools	9 / 99
76 265 ...	Turning Tools	9 / 80
76 266 ...	Turning Tools	9 / 114
76 267 ...	Turning Tools	9 / 105
76 268 ...	Turning Tools	9 / 105
76 269 ...	Turning Tools	9 / 105
76 270 ...	Turning Tools	9 / 115
76 272 ...	Turning Tools	9 / 114
76 273 ...	Turning Tools	9 / 53
76 274 ...	Turning Tools	9 / 115
76 275 ...	Turning Tools	9 / 114
76 276 ...	Turning Tools	9 / 126
76 277 ...	Turning Tools	9 / 126
76 278 ...	Turning Tools	9 / 127
76 279 ...	Turning Tools	9 / 126
76 284 ...	Turning Tools	9 / 114
76 285 ...	Turning Tools	9 / 126
76 288 ...	Turning Tools	9 / 126
76 290 ...	Turning Tools	9 / 9
76 291 ...	Turning Tools	9 / 23
76 292 ...	Turning Tools	9 / 126
76 294 ...	Turning Tools	9 / 49
76 295 ...	Turning Tools	9 / 53
80 306 ...	Adapters	16 / 204
80 309 ...	Adapters	16 / 204
80 310 ...	Adapters	16 / 204
80 312 ...	Adapters	16 / 205
80 641 ...	Accessories	17 / 13
80 661 ...	Adapters	16 / 216
80 662 ...	Adapters	16 / 216
80 663 ...	Adapters	16 / 216
80 664 ...	Adapters	16 / 216
80 665 ...	Adapters	16 / 216
80 696 ...	Accessories	17 / 9
80 720 ...	Accessories	17 / 34
80 722 ...	Accessories	17 / 34
81 402 ...	Adapters	16 / 23
81 403 ...	Adapters	16 / 24

Article no.	Designation	Page(s)
81 410 ...	Adapters	16 / 30
81 414 ...	Adapters	16 / 29
81 428 ...	Adapters	16 / 40
81 429 ...	Adapters	16 / 39
81 439 ...	Adapters	16 / 45
81 453 ...	Adapters	16 / 46
81 502 ...	Adapters	16 / 61
81 506 ...	Adapters	16 / 63
81 508 ...	Adapters	16 / 66
81 512 ...	Adapters	16 / 67
81 513 ...	Adapters	16 / 79
81 514 ...	Adapters	16 / 76
81 516 ...	Adapters	16 / 75
81 518 ...	Adapters	16 / 82
81 525 ...	Adapters	16 / 81
81 527 ...	Adapters	16 / 80
81 728 ...	Adapters	16 / 129
81 730 ...	Adapters	16 / 111
81 731 ...	Adapters	16 / 111
81 732 ...	Adapters	16 / 112
81 733 ...	Adapters	16 / 113
81 735 ...	Adapters	16 / 116
81 736 ...	Adapters	16 / 111
81 737 ...	Adapters	16 / 116
81 738 ...	Adapters	16 / 127
81 739 ...	Adapters	16 / 127
81 740 ...	Adapters	16 / 127
81 741 ...	Adapters	16 / 129
81 742 ...	Adapters	16 / 129
81 744 ...	Adapters	16 / 131
81 745 ...	Adapters	16 / 132
81 746 ...	Adapters	16 / 133
81 747 ...	Adapters	16 / 129
81 900 ...	Accessories	17 / 45
82 185 ...	Adapters	16 / 188
82 189 ...	Adapters	16 / 188
82 193 ...	Adapters	16 / 188
82 196 ...	Adapters	16 / 188
82 199 ...	Adapters	16 / 189
82 202 ...	Adapters	16 / 189
82 205 ...	Adapters	16 / 189
82 208 ...	Adapters	16 / 189
82 211 ...	Adapters	16 / 190
82 214 ...	Adapters	16 / 190
82 217 ...	Adapters	16 / 190
82 220 ...	Adapters	16 / 190
82 222 ...	Adapters	16 / 191
82 224 ...	Adapters	16 / 191
82 236 ...	Adapters	16 / 196
82 237 ...	Adapters	16 / 196
82 238 ...	Adapters	16 / 197
82 242 ...	Adapters	16 / 196
82 243 ...	Adapters	16 / 196

Article no.	Designation	Page(s)
82 244 ...	Adapters	16 / 197
82 268 ...	Adapters	16 / 193
82 274 ...	Adapters	16 / 192
82 277 ...	Adapters	16 / 195
82 285 ...	Adapters	16 / 194
82 286 ...	Adapters	16 / 194
82 317 ...	Adapters	16 / 205
82 327 ...	Adapters	16 / 200
82 330 ...	Adapters	16 / 201
82 401 ...	Adapters	16 / 24
82 402 ...	Adapters	16 / 24
82 403 ...	Adapters	16 / 25
82 404 ...	Adapters	16 / 25
82 406 ...	Adapters	16 / 26
82 407 ...	Adapters	16 / 26
82 410 ...	Adapters	16 / 30
82 411 ...	Adapters	16 / 30
82 414 ...	Adapters	16 / 29
82 415 ...	Adapters	16 / 29
82 423 ...	Adapters	16 / 43
82 428 ...	Adapters	16 / 40
82 429 ...	Adapters	16 / 39
82 432 ...	Adapters	16 / 42
82 439 ...	Adapters	16 / 45
82 446 ...	Adapters	16 / 44
82 453 ...	Adapters	16 / 46
82 456 ...	Adapters	16 / 47
82 458 ...	Adapters	16 / 47
82 468 ...	Adapters	16 / 48
82 475 ...	Adapters	16 / 48
82 487 ...	Adapters	16 / 49
82 493 ...	Adapters	16 / 49
82 494 ...	Adapters	16 / 49
82 501 ...	Adapters	16 / 62
82 502 ...	Adapters	16 / 62
82 503 ...	Adapters	16 / 62
82 504 ...	Adapters	16 / 62
82 505 ...	Adapters	16 / 67
82 506 ...	Adapters	16 / 63
82 507 ...	Adapters	16 / 63
82 508 ...	Adapters	16 / 66
82 509 ...	Adapters	16 / 66
82 512 ...	Adapters	16 / 67
82 513 ...	Adapters	16 / 79
82 514 ...	Adapters	16 / 76
82 516 ...	Adapters	16 / 75
82 518 ...	Adapters	16 / 82
82 519 ...	Adapters	16 / 78
82 523 ...	Adapters	16 / 83
82 525 ...	Adapters	16 / 81
82 527 ...	Adapters	16 / 80
82 530 ...	Adapters	16 / 92
82 531 ...	Adapters	16 / 91

Article no.	Designation	Page(s)
82 533 ...	Adapters	16 / 91
82 534 ...	Adapters	16 / 92
82 536 ...	Adapters	16 / 92
82 537 ...	Adapters	16 / 92
82 648 ...	Accessories	17 / 26
82 649 ...	Accessories	17 / 26
82 650 ...	Adapters	16 / 215
82 651 ...	Adapters	16 / 215
82 652 ...	Adapters	16 / 215
82 653 ...	Adapters	16 / 218
82 654 ...	Adapters	16 / 218
82 655 ...	Adapters	16 / 218
82 673 ...	Adapters	16 / 214
82 674 ...	Adapters	16 / 214
82 675 ...	Adapters	16 / 214
82 676 ...	Adapters	16 / 214
82 677 ...	Adapters	16 / 214
83 269 ...	Adapters	16 / 191
83 271 ...	Accessories	17 / 33
83 272 ...	Accessories	17 / 33
83 290 ...	Adapters	16 / 199
83 292 ...	Adapters	16 / 198
83 302 ...	Accessories	17 / 3
83 307 ...	Adapters	16 / 199
83 318 ...	Adapters	16 / 205
83 324 ...	Adapters	16 / 200
83 354 ...	Adapters	16 / 67
83 359 ...	Adapters	16 / 82
83 367 ...	Adapters	16 / 170
83 368 ...	Adapters	16 / 77
83 370 ...	Adapters	16 / 127
83 385 ...	Accessories	17 / 28
83 402 ...	Adapters	16 / 17
83 403 ...	Adapters	16 / 18
83 416 ...	Adapters	16 / 32
83 421 ...	Adapters	16 / 16
83 422 ...	Adapters	16 / 14
83 423 ...	Adapters	16 / 34
83 425 ...	Adapters	16 / 18
83 427 ...	Adapters	16 / 15
83 428 ...	Adapters	16 / 34
83 453 ...	Accessories	17 / 15
83 454 ...	Accessories	17 / 15
83 455 ...	Accessories	17 / 16
83 471 ...	Adapters	16 / 49
83 476 ...	Adapters	16 / 91
83 513 ...	Adapters	16 / 55
83 515 ...	Adapters	16 / 69
83 518 ...	Adapters	16 / 58
83 521 ...	Adapters	16 / 57
83 522 ...	Adapters	16 / 56
83 523 ...	Adapters	16 / 58
83 525 ...	Adapters	16 / 71

Article no.	Designation	Page(s)
83 526 ...	Adapters	16 / 54
83 527 ...	Adapters	16 / 86
83 528 ...	Adapters	16 / 71
83 532 ...	Adapters	16 / 91
83 535 ...	Adapters	16 / 48
83 538 ...	Adapters	16 / 48
83 608 ...	Accessories	17 / 7
83 609 ...	Accessories	17 / 32
83 610 ...	Adapters	16 / 221
83 611 ...	Accessories	17 / 32
83 612 ...	Adapters	16 / 219
83 614 ...	Adapters	16 / 222
83 616 ...	Adapters	16 / 220
83 618 ...	Adapters	16 / 223
83 622 ...	Adapters	16 / 223
83 624 ...	Adapters	16 / 222
83 629 ...	Adapters	16 / 206
83 636 ...	Accessories	17 / 3
83 641 ...	Accessories	17 / 7
83 642 ...	Accessories	17 / 4
83 644 ...	Accessories	17 / 4
83 646 ...	Accessories	17 / 8
83 648 ...	Accessories	17 / 8
83 651 ...	Adapters	16 / 218
83 652 ...	Adapters	16 / 218
83 653 ...	Adapters	16 / 218
83 660 ...	Adapters	16 / 217
83 665 ...	Adapters	16 / 212
83 667 ...	Adapters	16 / 212
83 668 ...	Adapters	16 / 212
83 675 ...	Adapters	16 / 217
83 689 ...	Adapters	16 / 215
83 690 ...	Adapters	16 / 207
83 691 ...	Adapters	16 / 207
83 692 ...	Adapters	16 / 207
83 693 ...	Adapters	16 / 207
83 694 ...	Adapters	16 / 207
83 706 ...	Adapters	16 / 97
83 710 ...	Adapters	16 / 122
83 712 ...	Adapters	16 / 122
83 715 ...	Accessories	17 / 34
83 722 ...	Adapters	16 / 98
83 724 ...	Adapters	16 / 120
83 726 ...	Adapters	16 / 100
83 727 ...	Adapters	16 / 99
83 729 ...	Adapters	16 / 101
83 758 ...	Adapters	16 / 138
83 760 ...	Adapters	16 / 138
84 000 ...	Accessories	17 / 24
84 001 ...	Accessories	17 / 23
84 002 ...	Accessories	17 / 24
84 003 ...	Accessories	17 / 25
84 004 ...	Accessories	17 / 23

Article no.	Designation	Page(s)
84 005 ...	Accessories	17 / 23
84 006 ...	Accessories	17 / 25
84 007 ...	Accessories	17 / 23
84 008 ...	Accessories	17 / 24
84 009 ...	Accessories	17 / 25
84 010 ...	Accessories	17 / 23
84 011 ...	Accessories	17 / 24
84 012 ...	Accessories	17 / 25
84 100 ...	Adapters	16 / 161
84 102 ...	Adapters	16 / 162
84 104 ...	Adapters	16 / 159
84 105 ...	Adapters	16 / 159
84 106 ...	Adapters	16 / 159
84 108 ...	Adapters	16 / 158
84 110 ...	Adapters	16 / 168
84 112 ...	Adapters	16 / 157
84 114 ...	Adapters	16 / 164
84 115 ...	Adapters	16 / 165
84 116 ...	Adapters	16 / 173
84 117 ...	Adapters	16 / 173
84 122 ...	Adapters	16 / 169
84 124 ...	Adapters	16 / 170
84 126 ...	Adapters	16 / 171
84 128 ...	Adapters	16 / 163
84 130 ...	Adapters	16 / 182
84 131 ...	Adapters	16 / 183
84 132 ...	Adapters	16 / 180
84 134 ...	Adapters	16 / 172
84 135 ...	Adapters	16 / 187
84 136 ...	Adapters	16 / 173
84 140 ...	Adapters	16 / 166
84 142 ...	Adapters	16 / 167
84 150 ...	Adapters	16 / 174
84 151 ...	Adapters	16 / 174
84 152 ...	Adapters	16 / 174
84 153 ...	Adapters	16 / 174
84 154 ...	Adapters	16 / 175
84 155 ...	Adapters	16 / 175
84 156 ...	Adapters	16 / 175
84 157 ...	Adapters	16 / 175
84 158 ...	Adapters	16 / 176
84 170 ...	Adapters	16 / 177
84 171 ...	Adapters	16 / 177
84 172 ...	Adapters	16 / 177
84 173 ...	Adapters	16 / 177
84 174 ...	Adapters	16 / 178
84 175 ...	Adapters	16 / 178
84 190 ...	Adapters	16 / 179
84 191 ...	Adapters	16 / 179
84 196 ...	Adapters	16 / 179
84 197 ...	Adapters	16 / 179
84 200 ...	Adapters	16 / 123
84 201 ...	Adapters	16 / 35

Article no.	Designation	Page(s)
84 202 ...	Adapters	16 / 72
84 203 ...	Adapters	16 / 123
84 204 ...	Adapters	16 / 35
84 205 ...	Adapters	16 / 72
84 206 ...	Adapters	16 / 124
84 207 ...	Adapters	16 / 36
84 208 ...	Adapters	16 / 73
84 209 ...	Accessories	17 / 27
84 210 ...	Indexable insert drilling	3 / 38
84 297 ...	Adapters	16 / 198
84 300 ...	Adapters	16 / 20
84 301 ...	Adapters	16 / 22
84 303 ...	Adapters	16 / 60
84 304 ...	Adapters	16 / 103
84 305 ...	Adapters	16 / 105
84 307 ...	Adapters	16 / 136
84 308 ...	Adapters	16 / 136
84 309 ...	Adapters	16 / 136
84 310 ...	Accessories	17 / 10
84 311 ...	Accessories	17 / 6
84 313 ...	Accessories	17 / 11
84 314 ...	Accessories	17 / 5
84 315 ...	Accessories	17 / 12
84 316 ...	Adapters	16 / 104
84 317 ...	Adapters	16 / 21
84 320 ...	Adapters	16 / 19
84 323 ...	Adapters	16 / 59
84 324 ...	Adapters	16 / 102
84 325 ...	Adapters	16 / 85
84 357 ...	Accessories	17 / 38
84 358 ...	Accessories	17 / 38
84 406 ...	Adapters	16 / 13
84 411 ...	Adapters	16 / 12
84 412 ...	Adapters	16 / 12
84 414 ...	Adapters	16 / 10
84 417 ...	Adapters	16 / 11
84 418 ...	Adapters	16 / 31
84 419 ...	Adapters	16 / 31
84 420 ...	Adapters	16 / 31
84 424 ...	Adapters	16 / 10
84 435 ...	Accessories	17 / 36
84 456 ...	Accessories	17 / 14
84 507 ...	Adapters	16 / 52
84 508 ...	Adapters	16 / 52
84 509 ...	Adapters	16 / 68
84 510 ...	Adapters	16 / 68
84 511 ...	Adapters	16 / 68
84 513 ...	Adapters	16 / 53
84 517 ...	Adapters	16 / 51
84 518 ...	Adapters	16 / 87
84 524 ...	Adapters	16 / 50
84 525 ...	Adapters	16 / 84
84 531 ...	Adapters	16 / 213

Article no.	Designation	Page(s)
84 533 ...	Adapters	16 / 213
84 534 ...	Adapters	16 / 213
84 536 ...	Adapters	16 / 209
84 537 ...	Adapters	16 / 209
84 538 ...	Adapters	16 / 209
84 539 ...	Adapters	16 / 209
84 540 ...	Adapters	16 / 209
84 548 ...	Adapters	16 / 210
84 549 ...	Adapters	16 / 210
84 550 ...	Adapters	16 / 210
84 551 ...	Adapters	16 / 210
84 552 ...	Adapters	16 / 88
84 557 ...	Adapters	16 / 89
84 562 ...	Adapters	16 / 90
84 567 ...	Adapters	16 / 213
84 568 ...	Adapters	16 / 213
84 569 ...	Adapters	16 / 213
84 574 ...	Adapters	16 / 212
84 576 ...	Adapters	16 / 211
84 577 ...	Adapters	16 / 208
84 578 ...	Adapters	16 / 211
84 579 ...	Adapters	16 / 211
84 580 ...	Adapters	16 / 211
84 581 ...	Adapters	16 / 211
84 582 ...	Adapters	16 / 211
84 585 ...	Adapters	16 / 208
84 596 ...	Adapters	16 / 208
84 597 ...	Adapters	16 / 208
84 598 ...	Adapters	16 / 208
84 599 ...	Adapters	16 / 208
84 602 ...	Adapters	16 / 180
84 604 ...	Adapters	16 / 181
84 605 ...	Adapters	16 / 181
84 610 ...	Adapters	16 / 180
84 611 ...	Adapters	16 / 180
84 612 ...	Adapters	16 / 181
84 613 ...	Adapters	16 / 181
84 614 ...	Adapters	16 / 181
84 615 ...	Adapters	16 / 181
84 620 ...	Adapters	16 / 184
84 624 ...	Adapters	16 / 185
84 625 ...	Adapters	16 / 186
84 651 ...	Adapters	16 / 187
84 700 ...	Adapters	16 / 108
84 701 ...	Adapters	16 / 108
84 704 ...	Adapters	16 / 108
84 705 ...	Adapters	16 / 108
84 706 ...	Adapters	16 / 109
84 707 ...	Adapters	16 / 110
84 708 ...	Adapters	16 / 109
84 710 ...	Adapters	16 / 119
84 712 ...	Adapters	16 / 137
84 716 ...	Adapters	16 / 118

Article no.	Designation	Page(s)
84 717 ...	Adapters	16 / 106
84 719 ...	Adapters	16 / 95
84 720 ...	Adapters	16 / 107
84 721 ...	Adapters	16 / 94
84 722 ...	Adapters	16 / 93
84 723 ...	Adapters	16 / 107
84 724 ...	Adapters	16 / 96
84 726 ...	Adapters	16 / 115
84 732 ...	Adapters	16 / 115
84 738 ...	Adapters	16 / 115
84 750 ...	Adapters	16 / 128
84 754 ...	Adapters	16 / 128
84 755 ...	Adapters	16 / 128
84 757 ...	Adapters	16 / 128
84 774 ...	Adapters	16 / 135
84 776 ...	Adapters	16 / 134
84 799 ...	Adapters	16 / 132
85 290 ...	Accessories	17 / 43
85 291 ...	Accessories	17 / 43
85 292 ...	Accessories	17 / 44
85 295 ...	Accessories	17 / 44
85 299 ...	Accessories	17 / 44
85 900 ...	Accessories	17 / 43