

C110	404	C346	417	C800	439	D200	452
C122	416	C352	412	C801	442	D400	461
C123	406	C353	409	C810	440	D402	462
C126	404	C358	414	C820	444	D420	461
C135	408	C359	425	C822	443	D422	462
C139	406	C365	426	C825	441	D745	454
C159	413	C367	411	C830	448	D747	456
C166	424	C400	434	C831	449	D750	460
C167	415	C403	435	C835	447	D751	460
C169	413	C407	431	C837	446	D752	459
C246	420	C413	434	C903	419	D753	459
C247	420	C428	429	C907	418	D763	452
C273	422	C429	435	C908	431		
C295	422	C492	430	C920	419		
C299	418	C500	436	C921	433		
C305	412	C503	436	C922	428		
C306	409	C505	437	C944	432		
C324	427	C511	438	C948	432		
C333	425	C700	451				
C336	414	C710	450				



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S216	372	S524	383	S714	362	S804HB	368
S217	374	S525	378	S715	363	S812HA	356
S218	375	S526	379	S717	374	S812HB	356
S219	369	S527	380	S718	375	S813HA	358
S225	378	S529	394	S739	402	S813HB	358
S226	379	S531	395	S740	402	S814HA	370
S227	380	S533	396	S741	402	S814HB	370
S229	391	S534	398	S761	376	S902	360
S231	392	S535	399	S763	386	S903	361
S233	393	S536	390	S765	381	S904	373
S260	376	S610	366	S766	377	S922	360
S262	387	S611	367	S767	389	S933	361
S264	382	S612	371	S802HA	355	S944	373
S501	397	S629	401	S802HB	355	S991	403
S511	400	S637	364	S803HA	357		
S521	384	S638	365	S803HB	357		
S523	385	S710	359	S804HA	368		

	Materiál	Материал	Materiał	Materiál
	Použití	Применение	Zastosowanie	Použitie
	Typ	Тип	Typ	Typ
	Zuby (z)	Кол-во зубьев	Ilość ostrzy	Zuby (z)
	Hloubka řezu	Глубина обработки	Długość	Hĺbka rezu
	Úhel šroubovice/ úhel čela	Угол подъёма винтовой канавки	Kąt spirali/ Kąt natarcia	Uhol skrutkovice/ Uhol čela
	Stopka	Хвостовик	Chwyt	Stopka
	Povlak	Покрытие	Pokrycie	Povlak
	Tolerance	Допуск	Tolerancja	Tolerancia
	Směr otáčení	Направление	Kierunek	Smer
	Standard	Стандарт	Standard	Štandard
■	vynikající	Основное применение	Najlepsze zastosowanie	Vynikajúce
■	dobrý	Возможное применение	Dobre zastosowanie	Dobré
	Příklad 10 = řezná rychlost (m/min) +/- 10%	Пример: 10 = Скорость резания в м/мин +/- 10%	Na Przykład 10 = prędkość skrawania w metrach/ minutę +/- 10%	Příklad 10 = rychlost' rezania (m/min) +/- 10%
	Kód	Code	Kod	Kód
	Rozměrová řada	Ассортимент	Zakres	Rozsah
AMG	Česky	Русский	Polski	Slovensky
1.1	magneticky měkká	Электротехническая	magnetyczna miękka	Magneticky mäkká oceľ
1.2	konstrukční uhlíkatá	Конструкционная, в том числе цементируемая	konstrukcyjna do nawęglania	Konstruktčná oceľ, uhlíková
1.3	uhlíkatá	Углеродистая нелегированная	węgłowa	Uhlíková pceľ
1.4	legovaná	Легированная	stopowa	Legovaná oceľ
1.5	legovaná, tvrzená a temperovaná	Легированная, после закалки и отпуска	stopowa-hartowana i odpuszczana	Legovaná oceľ, tvrdená a temperovaná
1.6	legovaná, tvrzená a temperovaná	Легированная, после закалки и отпуска	stopowa-hartowana i odpuszczana	Legovaná oceľ, tvrdená a temperovaná
1.7	legovaná, tvrzená	Легированная, закаленная	stopowa-hartowana	Legovaná oceľ tvrdená
1.8	legovaná, tvrzená	Легированная, закаленная	stopowa-hartowana	Legovaná oceľ tvrdená, oceľ odolná oproti opotrebovaniu
2.1	automatová	Повышенной обрабатываемости	automatowa	Automatová nehrdzavejúca oceľ
2.2	austenitická	Аустенитная	austenityczna	Austenická
2.3	feritická+austenitická	Аустенитно-ферритная	ferrytyczna+austenityczna	Feritická + austenická, feritická, martenzitická
2.4	precipitačně tvrzená	дисперсионное твердение	Utwardzane wydzieleniowo	Lamelární grafit (sivá)
3.1	lamelární	С пластинчатым графитом	szare	Lamelární grafit
3.2	lamelární	С пластинчатым графитом	szare	Nodulární grafit, temperovaná zliatina (tvárna)
3.3	nodulární	С шаровидным графитом	sferoidálne ciągliwe	Nodulární grafit, temperovaná zliatina (tvárna)
3.4	nodulární	С шаровидным графитом	sferoidálne ciągliwe	Titán čistý
4.1	čistý	Технически чистый	niestopowy	Zliatiny titánu
4.2	slitiny	Титановые сплавы	stopy tytanu	Zliatiny titánu
4.3	slitiny	Титановые сплавы	stopy tytanu	Nikel čistý
5.1	čistý	Технически чистый	niestopowy	Zliatiny niklu
5.2	slitiny	Никелевые сплавы	stopy niklu	Zliatiny niklu
5.3	slitiny	Никелевые сплавы	stopy niklu	Meď
6.1	bronz	Технически чистая	niestopowa	β-mosadz
6.2	β - mosaz, bronz	Бронзы и латуни на основе Sn	Mosiądz-β, brąz	α-mosadz
6.3	bronz mosaz	Бронзы и латуни на основе Zn	Mosiądz CuZn	Bronz vysokopevnostný
6.4	bronz vysokopevnostní	Высокопрочные бронзы	Brąz o wysokiej wytrzymałości	Al, Mg, čistý
7.1	Al, Mg, tvářené	Технически чистые	Al, Mg, niestopowe	Al zliatiny, Si<0,5%
7.2	Al slitiny, Si<0.5%	Их сплавы, с содержанием, Si<0.5%	Al. Stopowe, Si<0,5%	Al zliatiny, Si>0,5%<10%
7.3	Al slitiny, Si>0.5%<10%	Их сплавы, с содержанием 0.5% < Si < 10%	Al. Stopowe, Si>0,5%<10%	Al zliatiny, Si>10%
7.4	Al slitiny, Si>10%	Их сплавы, с содержанием Si > 10%	Al. Stopowe, Si>10%	Zliatiny hliníka a horčíka
8.1	termoplasty	Термопластики	Tworzywa termoplastyczne	Termoplasty
8.2	termosety	Термореактивные	Tworzywa termoutwardzalne	Termosety
8.3	zpevněné plasty	Армированные	Zbrojone tworzywa sztuczne	Spevnené plasty
9.1	cermet (keramika)	Металлокерамика	Cermetale	Cermet (kov-keramika)
10.1	standardní grafit	Технический графит	Grafit standartowy	Grafit

	S802HA	S802HB	S812HA	S812HB	S803HA	S803HB	S813HA	S813HB	S710	S902	S922	S903	S933	S714	
	1.00 - 20.00	1.80 - 20.00	2.00 - 20.00	2.00 - 20.00	1.00 - 20.00	1.80 - 20.00	2.00 - 20.00	2.00 - 20.00	1.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	3.00 - 20.00	
AMG	355	355	356	356	357	357	358	358	359	360	360	361	361	362	ISO
1.1	260B	260B	210B	210B	260B	260B	210B	210B	140C	65B	95B	65B	95B	110C	P 1
1.2	260B	260B	210B	210B	260B	260B	210B	210B	140C	65B	95B	65B	95B	110C	P 1
1.3	155B	155B	125B	125B	155B	155B	125B	125B	130C	55B	80B	55B	80B	100C	P 2
1.4	155B	155B	125B	125B	155B	155B	125B	125B	130C	50B	75B	50B	75B	100C	P 3
1.5	115B	115B	90B	90B	115B	115B	90B	90B	120C	30B	45B	30B	45B	95C	P 4
1.6	90B	90B	75B	75B	90B	90B	75B	75B		30B	30B		30B		H 1
1.7															H 3
1.8															H 4
2.1	105A	105A	75A	75A	105A	105A	85A	85A	80B					65B	M 1
2.2	70A	70A	55A	55A	70A	70A	55A	55A	70B					55B	M 3
2.3	70A	70A	55A	55A	70A	70A	55A	55A							M 2
2.4	50A	50A			50A	50A									S 2
3.1	180B	180B	145B	145B	180B	180B	145B	145B	170C	55B	80B	55B	80B	135C	K 1
3.2	110B	110B	85B	85B	110B	110B	85B	85B	150C	30B	45B	30B	45B	120C	K 2
3.3	145B	145B	115B	115B	145B	145B	115B	115B	130C	55B	80B	55B	80B	100C	K 3
3.4	95B	95B	75B	75B	95B	95B	75B	75B	120C	30B	45B	30B	45B	95C	K 4
4.1	170B	170B	140B	140B	170B	170B	140B	140B		65B	95B	65B	95B		S 1
4.2	115B	115B	90B	90B	115B	115B	90B	90B	70B	30B	45B	30B	45B	55B	S 2
4.3										15B	20B	15B	20B		S 3
5.1	165B	165B	130B	130B	165B	165B	130B	130B		65B	95B	65B	95B		S 1
5.2	35A	35A	25A	25A	35A	35A	25A	25A	70B					55B	S 2
5.3															S 3
6.1	320C	320C	255C	255C	320C	320C	255C	255C		110C	155C	110C	155C	200E	N 3
6.2	320C	320C	255C	255C	320C	320C	255C	255C		110C	155C	110C	155C	190E	N 4
6.3	320C	320C	255C	255C	320C	320C	255C	255C		110C	155C	110C	155C	175E	N 3
6.4	40B	40B	30C	30C	40B	40B	30C	30C		15B	20B	15B	20B	160E	N 4
7.1	800C	800C	640C	640C	800C	800C	640C	640C		275C	390C	275C	390C	200E	N 1
7.2	800C	800C	640C	640C	800C	800C	640C	640C		275C	390C	275C	390C	190E	N 1
7.3	480C	480C	380C	380C	480C	480C	380C	380C		165C	235C	165C	235C	175E	N 1
7.4	240B	240B	190B	190B	240B	240B	190B	190B						160E	N 2
8.1	320C	320C	255C	255C	320C	320C	255C	255C		110C	155C	110C	155C		O
8.2	320C	320C	255C	255C	320C	320C	255C	255C		110C	155C	110C	155C		O
8.3										30B	45B	30B	45B		O
9.1															H
10.1															O

	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	
	N	W	W	W	W	N	N	N	N	N	N	N	N	N	
	Z 3	Z 1	Z 2	Z 2	Z 2	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	
	λ40° γ10°	λ25° γ20°	λ30° γ20°	λ30° γ20°	λ30° γ20°	λ35° γ9°	λ35° γ9°	λ40° γ3°	λ35° γ9°	λ35° γ9°	λ40° γ10°	λ40° γ3°	λ30° γ12°	λ30° γ12°	
	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HB	DIN 8533 HA	DIN 8533 HA	DIN 8533 HB	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HB	
	ACORN	Hi	Hi	Hi	Hi	AXOR®	AXOR®	ATN	AXOR®	AXOR®	Diamond	ATN	TAN	TAN	
	h9	h9	h9	h9	h9	h10	h10	h9	h10	h10	h9	h9	h12	h12	
	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	DIN 6527 K	DIN 6527 K	EXPLODER	DIN 6527 L	DIN 6527 L	EXPLODER	EXPLODER	EXPLODER	EXPLODER	
	S715	S637	S638	S610	S611	S804HA	S804HB	S219	S814HA	S814HB	S612	S216	S904	S944	
	3.00 - 20.00	2.00 - 12.00	6.20 - 20.30	3.00 - 20.00	6.00 - 20.00	2.00 - 25.00	2.00 - 25.00	3.00 - 20.00	2.00 - 25.00	2.00 - 25.00	1.00 - 12.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	
	NEW	NEW	NEW	NEW	NEW			NEW			NEW	NEW			
AMG	363	364	365	366	367	368	368	369	370	370	371	372	373	373	ISO
1.1	70C					360B	360B		270B	270B			95B	140B	P 1
1.2	70C					300B	300B		225B	225B			95B	140B	P 1
1.3	65C					230B	230B		175B	175B			80B	120B	P 2
1.4	65C					230B	230B		175B	175B			70B	105B	P 3
1.5	60C					165B	165B		125B	125B			55B	80B	P 4
1.6						130B	130B	90C	100B	100B		90C	30B	45B	H 1
1.7															H 3
1.8															H 4
2.1	40B					165A	165A		125A	125A					M 1
2.2	35B					110A	110A		85A	85A					M 3
2.3						110A	110A	70B	85A	85A		70B			M 2
2.4						75A	75A	50B				50B			S 2
3.1	85C					275B	275B		205B	205B			80B	120B	K 1
3.2	75C					165B	165B		125B	125B			55B	80B	K 2
3.3	65C					165B	165B		125B	125B			70B	105B	K 3
3.4	60C					135B	135B		105B	105B			55B	80B	K 4
4.1						275B	275B		205B	205B			95B	140B	S 1
4.2	35B					140B	140B		105B	105B			40B	60B	S 2
4.3								50B				50B	30B	45B	S 3
5.1						275B	275B		205B	205B			135B	200B	S 1
5.2	35B					55A	55A		40A	40A			30A	45A	S 2
5.3								50B				50B	25A	35A	S 3
6.1		350E	400E	350E	280E	320C	320C		255C	255C			110C	155C	N 3
6.2		300E	345E	300E	240E	320C	320C		255C	255C			110C	155C	N 4
6.3		250E	290E	250E	200E	320C	320C		255C	255C			110C	155C	N 3
6.4		200E	230E	200E	160E	40B	40B		32C	32C			15B	20B	N 4
7.1		600E	690E	600E	480E	800C	800C		640C	640C			275C	390C	N 1
7.2		500E	575E	500E	400E	800C	800C		640C	640C			275C	390C	N 1
7.3		400E	460E	400E	320E	480C	480C		380C	380C			165C	235C	N 1
7.4		350E	400E	350E	280E	240B	240B		190B	190B					N 2
8.1		800E	980E	800E	640E	320C	320C		255C	255C			110C	155C	O
8.2		800E	980E	800E	640E	320C	320C		255C	255C			110C	155C	O
8.3													55B	80B	O
9.1															H
10.1											350A				O

	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	N	N	N	N	N	N	N	N	N	N	N	N	N	NR	NR	N
	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4	Z 4
	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$	$\lambda 40^\circ$
	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA
	MON	ATN	MON	ATN	MON	ATN	MON	ATN	MON	ATN	MON	ATN	MON	ATN	MON	ATN
	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9
	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER	EXDPOWER
	S717	S217	S718	S218	S761	S260	S766	S225	S525	S226	S526	S227	S527	S765	S264	S524
	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	4.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	6.00 - 20.00	3.00 - 20.00	6.00 - 20.00	6.00 - 20.00	3.00 - 16.00

	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
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AMG	374	374	375	375	376	376	377	378	378	379	379	380	380	381	382	383	ISO
1.1	■110C		■70C		■140D		■140D							■140D			P 1
1.2	■110C		■70C		■140D		■140D							■140D			P 1
1.3	■100C		■65C		■130D		■130D							■130D			P 2
1.4	■100C		■65C		■130D		■130D							■130D			P 3
1.5	■95C		■60C		■120D		■120D							■120D			P 4
1.6		■72C		■45C		■110D		■90C		■72C		■45C			■110D		H 1
1.7					■85B			■70A			■56A		■35A		■85B	■56A	H 3
1.8								■50A			■40A		■25A			■40A	H 4
2.1	■65B		■40B		■80C		■80C							■80C			M 1
2.2	■55B		■35B		■70C		■70C							■70C			M 3
2.3		■56B		■35B		■70C		■70B		■56B		■35B			■70C		M 2
2.4		■40B		■25B		■50C		■50B		■40B		■25B			■50C		S 2
3.1	■135C		■85C		■170D		■170D							■170D			K 1
3.2	■120C		■75C		■150D		■150D							■150D			K 2
3.3	■100C		■65C		■130D		■130D							■130D			K 3
3.4	■95C		■60C		■120D		■120D							■120D			K 4
4.1																	S 1
4.2	■55B		■35B		■70C		■70C							■70C			S 2
4.3		■40B		■25B		■50C		■50B		■40B		■25B			■50C		S 3
5.1																	S 1
5.2	■55B		■35B		■70C		■70C							■70C			S 2
5.3		■40B		■25B		■50C		■50B		■40B		■25B			■50C		S 3
6.1																	N 3
6.2																	N 4
6.3																	N 3
6.4																	N 4
7.1																	N 1
7.2																	N 1
7.3																	N 1
7.4																	N 2
8.1																	O
8.2																	O
8.3																	O
9.1																	H
10.1																	O

	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
	Z 4	Z 4	Z 4 = 4	Z 4 = 4	Z 4 = 4	Z 4	Z 2	Z 2	Z 2	Z 2	Z 2	Z 2	Z 2	Z 4	
	λ45° γ-10°	λ40° γ-6°	λ40° γ-10°	λ40° γ-4°	λ≠ γ10°	λ25° γ0°	λ30° γ3°	λ30° γ3°	λ30° γ3°	λ30° γ-10°	λ30° γ-10°	λ30° γ-10°	λ30° γ-10°	λ30° γ-10°	
	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	DIN 8533 HA	
	TBN	TBN	AGN	AGN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	TBN	AGEED	TBN	
	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	h9	
	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	EXPLODER	
	S521	S523	S763	S262	S767	S536	S229	S231	S233	S529	S531	S533	S501	S534	
	3.00 - 16.00	1.50 - 16.00	3.00 - 20.00	3.00 - 20.00	4.00 - 20.00	6.00 - 12.00	1.50 - 16.00	1.50 - 16.00	2.00 - 16.00	1.50 - 16.00	1.50 - 16.00	2.00 - 16.00	1.00 - 16.00	3.00 - 16.00	
	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW		NEW	
AMG	384	385	386	387	389	390	391	392	393	394	395	396	397	398	ISO
1.1			■140D		■140D								■181B		P 1
1.2			■140D		■140D								■181B		P 1
1.3			■130D		■130D								■118B		P 2
1.4			■130D		■130D								■118B		P 3
1.5			■120D		■120D								■90B		P 4
1.6				■110D			■630C	■500C	■315C				■72B		H 1
1.7	■70A	■70A		■85B		■105E				■330A	■260A	■165A	■45A	■330A	H 3
1.8	■50A	■50A				■75E				■280A	■225A	■140A		■280A	H 4
2.1			■80C		■80C								■81A		M 1
2.2			■70C		■70C								■54A		M 3
2.3				■70C			■540B	■430B	■270B				■54A		M 2
2.4				■50C			■315B	■250B	■155B						S 2
3.1			■170D		■170D								■136B		K 1
3.2			■150D		■150D								■81B		K 2
3.3			■130D		■130D								■109B		K 3
3.4			■120D		■120D								■72B		K 4
4.1													■136B		S 1
4.2			■70C		■70C								■90B		S 2
4.3				■50C			■315B	■250B	■155B				■45B		S 3
5.1													■136B		S 1
5.2			■70C		■70C								■27A		S 2
5.3				■50C			■315B	■250B	■155B				■22A		S 3
6.1													■363C		N 3
6.2													■363C		N 4
6.3													■363C		N 3
6.4													■54B		N 4
7.1													■950C		N 1
7.2													■950C		N 1
7.3													■681C		N 1
7.4													■363B		N 2
8.1													■318C		O
8.2													■318C		O
8.3													■318B		O
9.1													■5A		H
10.1															O

	HM	HM	HM	HM	HM	HM		HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	
	N	N	W	N	N	N		N	N	N	N	N	
	Z 4	Z 4	Z 2	Z 2	Z 2	Z 2		Z 2	Z 2	Z 2	Z 2	Z 2	
	30° γ-10°	30° γ-10°	30° γ-15°	40° γ-10°	40° γ-10°	40° γ-10°		30° γ-12°	30° γ-12°	30° γ-12°	30° γ-12°	30° γ-12°	
	DIN 9533 HA	DIN 9533 HA	DIN 9533 HA	DIN 9533 HA	DIN 9533 HA	DIN 9533 HA		DIN 9533 E	DIN 9533 E	DIN 9533 E	DIN 9533 E	DIN 9533 E	
	TBN	AGEO	Hi	ATN	ATN	ATN		TBN	TBN	TBN	TBN	TBN	
	h9	h9	h9	h9	h9	h9		e8	e8	e8	e8	e8	
	EXTRAPOWER	EXTRAPOWER	EXTRAPOWER	EXTRAPOWER	EXTRAPOWER	EXTRAPOWER		DIN 327 D	DIN 327 D	DIN 844 K	DIN 844 K	EXTRAPOWER	
	S535	S511	S629	S739	S740	S741	S991	C110	C126	C123	C139	C135	
	3.00 - 16.00	3.00 - 16.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	3.00 - 20.00	Set	1.00 - 50.00	1.00 - 30.00	1/16 - 40.00	2.00 - 30.00	2.00 - 30.00	
	NEW		NEW	NEW	NEW	NEW							
AMG	399	400	401	402	402	402	403	404	404	406	406	408	ISO
1.1		■230B		■140C	■140C	■140C		■60A	■135A	■55A	■120A	■50A	P 1
1.2		■192B		■140C	■140C	■140C		■50A	■105A	■45A	■95A	■40A	P 1
1.3		■153B		■130C	■130C	■130C		■40B	■95B	■40B	■85B	■35B	P 2
1.4		■153B		■130C	■130C	■130C		■35B	■80B	■35B	■70B	■30B	P 3
1.5		■115B		■120C	■120C	■120C			■55C		■50C		P 4
1.6		■92B							■25C		■20C		H 1
1.7	■260A	■61A											H 3
1.8	■225A												H 4
2.1		■115A		■80B	■80B	■80B		■30F	■45F	■25F	■45F	■25F	M 1
2.2		■76A		■70B	■70B	■70B							M 3
2.3		■76A							■25F		■25F		M 2
2.4													S 2
3.1		■192B		■170C	■170C	■170C		■35A	■60A	■30A	■55A	■30A	K 1
3.2		■115B		■155C	■155C	■155C		■30A	■50A	■25A	■45A	■25A	K 2
3.3		■115B		■145C	■145C	■145C		■50B	■90B	■45B	■80B	■40B	K 3
3.4		■96B		■130C	■130C	■130C		■30B	■55B	■30B	■50B	■25B	K 4
4.1		■192B						■35D	■45D	■30D	■45D	■30D	S 1
4.2		■96B		■70B	■70B	■70B		■25D	■40D	■25D	■35D	■25D	S 2
4.3		■61B							■15D		■15D		S 3
5.1		■192B						■60D	■130D	■50D	■115D	■50D	S 1
5.2		■38A		■70B	■70B	■70B		■15C	■25C	■15C	■25C	■15C	S 2
5.3		■30A							■10D		■10D		S 3
6.1		■384C	■350E	■250E	■250E	■250E		■85C	■190C	■80C	■170C	■70C	N 3
6.2		■384C	■300E	■235E	■235E	■235E		■35C	■190C	■80C	■170C	■70C	N 4
6.3		■384C	■250E	■220E	■220E	■220E		■35C	■190C	■80C	■170C	■70C	N 3
6.4		■61B	■200E	■200E	■200E	■200E			■25C		■25C		N 4
7.1		■950C	■600E	■250E	■250E	■250E		■220E	■480E	■200E	■435E	■180E	N 1
7.2		■950C	■500E	■235E	■235E	■235E		■220E	■480E	■200E	■435E	■180E	N 1
7.3		■576C	■400E	■220E	■220E	■220E		■85E	■190E	■80E	■170E	■70E	N 1
7.4		■307B	■350E	■200E	■200E	■200E			■95A		■85A		N 2
8.1		■307C	■800E					■90C	■190C	■80C	■175C	■70C	O
8.2		■307C	■800E										O
8.3		■307B											O
9.1		■9A											H
10.1													O

	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	
	N	N	N	N	N	W	W	W	W	N	N	N	N	N	N	
	Z 3	Z 3	Z 3	Z 3	Z 3	Z 2	Z 2	Z 3	Z 3	Z 2	Z 2	Z 3	Z 3-5	Z 3-5	Z 3-5	
	e8 h10	e8 h10	e8	e8	e8	e8	e8	k10	k10	js14	e8	e8	k10	k10	k10	
	3.00 - 30.00	3.00 - 30.00	2.00 - 20.00	2.00 - 32.00	3.00 - 20.00	2.00 - 20.00	2.00 - 20.00	10.00 - 30.00	10.00 - 30.00	6.00 - 16.00	5.00 - 30.00	3.00 - 20.00	3.00 - 25.00	3.00 - 32.00	6.00 - 25.00	
AMG	409	409	411	412	412	413	413	414	414	415	416	417	418	418	419	ISO
1.1	53A	145A	146A	56A	135A	50A	100A	55A	133A	50A	45A	45A				P 1
1.2	49A	120A	117A	44A	105A	40A	80A	44A	106A	40A	36A	35A				P 1
1.3	41B	100B	102B	39B	95B	35B	70B	38B	93B	35B	31B	30B	37T	95T	35T	P 2
1.4	35B	85B	87B	33B	80B					30B	27B	25B	33T	80T	29T	P 3
1.5		60C			55C								22U	55U	20U	P 4
1.6		25C			25C								10U	25U	9U	H 1
1.7																H 3
1.8																H 4
2.1	26F	50F	67F	26F	50F	23F	34F	25F	48F	25F	20F	20F	26Y	50Y	23Y	M 1
2.2		45F	55F		40F	19F	29F	21F	40F				21Y	40Y	18Y	M 3
2.3		30F	35F		25F		18F		26F				13Y	25Y	13Y	M 2
2.4			25F													S 2
3.1	32A	65A		30A	60A					30A	25A	25A	30S	60S	27S	K 1
3.2	27A	55A		25A	50A					25A	20A	20A	25S	50S	22S	K 2
3.3	48B	95B		45B	90B					40B	36B	35B	45T	90T	39T	K 3
3.4	30B	60B		27B	55B					25B	22B	20B	27T	55T	24T	K 4
4.1	33D	50D	50D	29D	45D	28D	36D	30D	46D	30D	25D	25D	29V	45V	26V	S 1
4.2	26D	40D		24D	35D		29D		37D	25D	20D	20D	57V	85V	23V	S 2
4.3		20D			15D								10V	15V	10V	S 3
5.1	58D	140D	140D	51D	125D	48D	96D	52D	127	50D	43D	45D	51V	125V	47V	S 1
5.2	15C	30C		13C	25C		19D		27	15C	11C	10C	13U	25U	13U	S 2
5.3		15D			10D								5V	10V	5V	S 3
6.1	110C	210C	209C	100C	190C	100C	200C	100C	240C	75C	112C	70C				N 3
6.2	110C	210C	209C	100C	190C	100C	200C	100C	240C	75C	112C	70C	100U	190U	89U	N 4
6.3	110C	210C	209C	100C	190C	100C	200C	100C	240C	75C	112C	70C				N 3
6.4		30C			25C											N 4
7.1			528E			250E	500E	250E	600E	200E	270E	180E				N 1
7.2	219E	530E	528E	198E	480E	250E	500E	250E	600E	200E	270E	180E				N 1
7.3	86E	210E	209E	79E	190E	100E	200E	100E	240E	75E	81E					N 1
7.4		105A		95A					120A				39S	95S	35S	N 2
8.1	72C	210C	209C	65C	190C	100C	200C	100E	240A	80C	112C	70C				O
8.2						100C	200C	100E	240A							O
8.3																O
9.1																H
10.1																O

	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM
	N	N	N	N	N	W	W	W	FS	HRA	HRA	HRA	HRA	NRA	NRA
	Z 3-5	Z 4-8	Z 4-6	Z 4-6	Z 4-6	Z 2	Z 3	Z 3	Z 3-4	Z 3	Z 3-4	Z 4-6	Z 3-6	Z 4-6	Z 4-6
	k10	k10	k10	k10	k10	e8	k10	k10	k10	k12	k12	k12	k12	k12	k12
	C920	C247	C246	C273	C295	C166	C333	C359	C365	C324	C922	C428	C492	C407	C908
	6.00 - 25.00	2.00 - 50.00	2.00 - 32.00	2.00 - 40.00	2.00 - 40.00	6.00 - 16.00	10.00 - 30.00	10.00 - 30.00	10.00 - 30.00	8.00 - 30.00	6.00 - 40.00	6.00 - 40.00	6.00 - 30.00	6.00 - 40.00	6.00 - 40.00

AMG	419	420	420	422	422	424	425	425	426	427	428	429	430	431	431	ISO
1.1		■55S	■120S	■50S	■110S	■45A	●49A	●119A	●55M					●55G		P 1
1.2		■45S	■95S	■50S	■85S	●36A		■95A	●44M					■44G		P 1
1.3	■85T	■40T	■85T	■35T	■75T	●31B		●83B	●38N	●100H	●95H	●93H	■83H	■38H	■93H	P 2
1.4	■70T	●35T	■70T	●30T	■65T					■85H	■80H	■79H	■71H	■33H	■79H	P 3
1.5	■50U		●50U		●45U					■60I	■55I	■54I	■49I	■22I	■54I	P 4
1.6	■20U		●20U		●20U					■25I	■25I	■24I	■21I	●10I	●24I	H 1
1.7																H 3
1.8																H 4
2.1	■45Y	●25Y	●45Y	●10Y	●40Y	●20F	●22F	●43F	●25R	■50L	■50L	■48L	■43L	■25L	■48L	M 1
2.2	■35Y					●17F	●19F	●36F		■45L	■40L	■40L	■36L	●21L	■40L	M 3
2.3	■25Y		●25Y		●20Y			●23F		■30L	■25L	■26L	■23L	■13L	■26L	M 2
2.4																S 2
3.1	■55S	●30S	■55S	●25S	■50S					■65G	■60G	■61G	■55G	■30G	■61G	K 1
3.2	■45S	●25S	■45S	●20S	■40S					■55G	■50G	■50G	■45G	■25G	■50G	K 2
3.3	■80T	●45T	■79T	●40T	■70T					■95H	■90H	■88H	■79H	■44H	■88H	K 3
3.4	■50T	●25T	■49T	●25T	■45T					■60H	■55H	■55H	■49H	■27H	■55H	K 4
4.1	●40V	■30V	■43V	■25V	■40V	●25D	●27D	●41D	●30P	●50J	●45J	●46J	●41J	●30J	●46J	S 1
4.2	■35V	●25V	■35V	●20V	■30V			●34D		■40J	■35J	■37J	■34J	■25J	■37J	S 2
4.3	■15V		●15V		●15V					■20J	■15J	■16J	■15J	■11J	■16J	S 3
5.1	■115V	■50V	■116V	■45V	■105V	●43D	●47D	●114D	●52P	●140J	●125J	●127J	●114J	●52J	●127J	S 1
5.2	■25U	●15U	■24U	●10U	■20U			●24D		■30I	■25I	■27I	■24I	■14I	■27I	S 2
5.3	■10V		●10V		●10V					■15J	■10J	■11J	■10J	■6J	■11J	S 3
6.1		■80U	■170U	■70U	■155U	■90C	■123C	■235C	■1000							N 3
6.2	■170U	■80U	■170U	■70U	■155U	■90C		■235C	■1000	■210I	■190I	■190I	■170I	■100I	■190I	N 4
6.3		■80U	■170U	■70U	■155U	■90C		■1000								N 3
6.4			●25U		●20U					●30I	●25I	●25I	●23I	●13I	●25I	N 4
7.1		●200X	●435X	●180X	●390X	■225E	●297E	●718E	■250Q							N 1
7.2		●200X	●435X	●180X	●390X	■225E	■297E	■718E	■250Q							N 1
7.3		●80X	●170X	●70X	■155X	■90E	●89E	■215E	■100Q							N 1
7.4	■85S		●85S		●75S			■120A		■105G	■95G	■95G	■85G	●39G	●95G	N 2
8.1		●80U	●175U	●70U	■155U	■90C			■1000							O
8.2						■90C			■1000							O
8.3																O
9.1																H
10.1																O

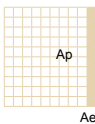
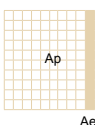
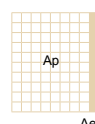
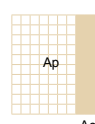
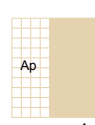
	6.00 - 40.00	6.00 - 32.00	6.00 - 32.00	6.00 - 50.00	6.00 - 32.00	10.00 - 50.00	10.00 - 32.00	2.00 - 25.00	2.00 - 25.00	3.00 - 30.00	3.00 - 25.00	11.00 - 50.00	12.50 - 1.61/64	40.00 - 63.00	
AMG	432	432	433	434	434	435	435	436	436	437	438	439	440	441	ISO
1.1				50G	100G	45G	90G	55S	110S	50S	50S	35P	25P	35P	P 1
1.2				40G	80G	35G	70G	45S	90S	40S	40S	35P	25P	30P	P 1
1.3	34H	33H	96N	35H	70H	30H	65H	40T	75T	35T	35T	30O	20O	30O	P 2
1.4	29H	71H	80N	30H	60H	25H	55H	35T	65T	30T	30T	25O	15O	20O	P 3
1.5	20I	49I	55O		40I		35I		45U			20N	10N	15N	P 4
1.6	9I	21I	25O		20I		15I		20U			15N	10N	10N	H 1
1.7															H 3
1.8															H 4
2.1	22L	43L	50R	25L	35L	20L	30L	25Y	35Y	25Y	25Y	20M	15M	15M	M 1
2.2	19L	36L	40R									15M	10M	10M	M 3
2.3	12L	23L	25R		20L		15L		20Y			10M	10M	10M	M 2
2.4															S 2
3.1	27G	55G	60M	30G	45G	25G	40G	30S	50S	30S	30S	20P	20P	25P	K 1
3.2	22G	45G	50M	25G	35G	20G	35G	25S	40S	25S	25S	20P	20P	20P	K 2
3.3	39H	79H	90N	40H	65H	35H	55H	45T	70T	40T	40T	30O	20O	30O	K 3
3.4	24H	49H	55N	25H	40H	20H	35H	30T	45T	25T	25T	20O	10O	20O	K 4
4.1	27J	41J	45P	30J	35J	25J	30J	30V	40V	30V	30V	30P	20P	35P	S 1
4.2	22J	34J	35P	25J	30J	20J	25J	25V	30V	25V	25V	20P	15P	20P	S 2
4.3	10J	15J	15P		10J		10J		14V			10O	5O	10O	S 3
5.1	47J	114J	130P	50J	95J	45J	85J	50V	105V	50V	50V	35P	25P	35P	S 1
5.2	12I	24I	30O	15I	20I	10I	15I	15U	20V	15U	15U	10O	5O	5O	S 2
5.3	5J	10J	10P		10J		10J		10V			5N	5N	5N	S 3
6.1				70I	140I	65I	125I	85U	170U	80U	80U	100Q	50Q	30Q	N 3
6.2	39I	170I	190O	70I	140I	65I	125I	85U	170U	80U	80U	100P	55P	35P	N 4
6.3				70I	140I	65I	125I	85U	170U	80U	80U	35P	20P	35P	N 3
6.4	12I	23I	25O		20I		15I		25V			15O	5O	10O	N 4
7.1								220X	435X	200X	200X	250R	60R	70R	N 1
7.2				180K	360K	160K	325K	220X	435X	200X	200X	250R	50R	70R	N 1
7.3				70K	140K	65K	125K	85X	170X	80X	80X	65R	30R	30R	N 1
7.4	35G	35G	95M		70G		65G		85S			45Q	20Q	20Q	N 2
8.1				70I	145I	65I	130I	90U	175U	80U	80U	100R	50R	35R	O
8.2															O
8.3															O
9.1															H
10.1												45Q	20Q	20Q	O

	HSS-E	HSS-E	HSS	HSS	HSS	HSS-E	HSS-E	HSS	HSS-E	
	Z 6-8	Z 6-12	Z 6-12	Z 6-8	Z 6-8	Z 10-12	Z 10-12	Z 4	Z 4-8	
	$\lambda 12^\circ$ $\gamma 10^\circ$	$\lambda 10^\circ$ $\gamma 10^\circ$	$\lambda 12^\circ$ $\gamma 10^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	$\lambda 0^\circ$ $\gamma 0^\circ$	
	C801	C822	C820	C837	C835	C830	C831	C710	C700	
	16.00 - 32.00	4.50 - 45.50	10.50 - 45.50	13.00 - 1.1/2	1/2 - 1.1/2	12.00 - 32.00	12.00 - 32.00	1/16 - 1/2	1.00 - 20.00	
AMG	442	443	444	446	447	448	449	450	451	ISO
1.1	■40P	■40P	■25P	■20P	■20P	■30P	■30P	■20P	■35P	P 1
1.2	■40P	■40P	■25P	■20P	■20P	■30P	■30P	■20P	■35P	P 1
1.3	■30O	■30O	■20O	■15O	■15O	■25O	■25O	■15O	■25O	P 2
1.4	■25O	■25O	■20O	■15O	■15O	■20O	■20O	■15O	■25O	P 3
1.5	■20N	■20N	■10N	■10N	■10N	■15N	■15N	■10N	■15N	P 4
1.6	■15N	■15N	■10N	■5N	■5N	■10N	■10N	■10N	■15N	H 1
1.7										H 3
1.8										H 4
2.1	■25M	■25M	■15M	■10M	■10M	■20M	■20M	■15M	■20M	M 1
2.2	■15M	■15M	■10M	■10M	■10M	■15M	■15M	■10M	■15M	M 3
2.3	■15M	■15M	■10M	■5M	■5M	■10M	■10M	■5M	■10M	M 2
2.4										S 2
3.1	■25P	■25P	■20P	■15P	■15P	■20P	■20P	■20P	■20P	K 1
3.2	■20P	■20P	■20P	■15P	■15P	■15P	■15P	■15P	■15P	K 2
3.3	■35O	■30O	■20O	■15O	■15O	■25O	■25O	■15O	■25O	K 3
3.4	■20O	■20O	■15O	■10O	■10O	■15O	■15O	■10O	■15O	K 4
4.1	■30P	■30P	■20P	■15P	■15P	■25P	■25P	■15P	■25P	S 1
4.2	■20P	■20P	■15P	■10P	■10P	■15P	■15P	■10P	■20P	S 2
4.3	■10O	■10O	■10O	■5O	■5O	■10O	■10O	■5O	■10O	S 3
5.1	■40P	■35P	■25P	■20P	■20P	■30P	■30P	■20P	■35P	S 1
5.2	■10O	■10O	■5O	■5O	■5O	■10O	■10O	■5O	■10O	S 2
5.3	■5N	■5N	■5N	■5N	■5N	■5N	■5N	■5N	■5N	S 3
6.1	■110Q	■100Q	■50Q	■40Q	■40Q	■90Q	■90Q	■40Q	■90Q	N 3
6.2	■110P	■100P	■55P	■45P	■45P	■90P	■90P	■45P	■90P	N 4
6.3	■40P	■100P	■55P	■15P	■15P	■75P	■75P	■45P	■90P	N 3
6.4	■15O	■15O	■5O	■5O	■5O	■10O	■10O	■5O	■15O	N 4
7.1	■275R	■260R	■65R	■50R	■50R	■190R	■190R	■55R	■245R	N 1
7.2	■275R	■260R	■50R	■40R	■40R	■190R	■190R	■40R	■230R	N 1
7.3	■70R	■66R	■35R	■25R	■25R	■55R	■55R	■25R	■60R	N 1
7.4	■45Q	■44Q	■20Q	■17Q	■17Q	■35Q	■35Q	■15Q	■40Q	N 2
8.1	■110R	■100R	■50R	■40R	■40R	■75R	■75R			O
8.2										O
8.3										O
9.1										H
10.1	■45Q	■45Q	■20Q			■35Q	■35Q	■15Q	■40Q	O

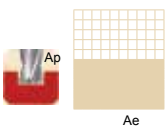
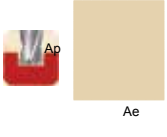
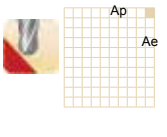
HSS-E	HSS-E	HSS-E	HSS-E
			
N	N	NR	NR
Z 8-12	Z 8-12	Z 6-10	Z 6-10
			
			
js16	js16	js16	js16
			
			
D400	D420	D402	D422
40.00 - 100.00	40.00 - 100.00	40.00 - 100.00	40.00 - 100.00

AMG	461	461	462	462	ISO
1.1	■40J	■75J	■40J	■75J	P 1
1.2	■40J	■75J	■40J	■75J	P 1
1.3	■30I	■65I	■30I	■65I	P 2
1.4	■25I	■50I	■25I	■50I	P 3
1.5	●20H	■35H	●20H	■35H	P 4
1.6	●15H	■30H	●15H	■30H	H 1
1.7					H 3
1.8					H 4
2.1	■25H	■35H	■25H	■35H	M 1
2.2	●15G	■30G	●15G	■30G	M 3
2.3	■10G	■20G	■10G	■20G	M 2
2.4					S 2
3.1	■20J	■35J	■20J	■35J	K 1
3.2	■20J	■30J	■20J	■30J	K 2
3.3	■30I	■50I	■30I	■50I	K 3
3.4	■20I	■30I	■20I	■30I	K 4
4.1	■30J	■35J	■30J	■35J	S 1
4.2	●20I	■25I	●20I	■25I	S 2
4.3	●10I	■15I	●10I	■15I	S 3
5.1	■35J	■75J	■35J	■75J	S 1
5.2	●10I	■20I	●10I	■20I	S 2
5.3	●5H	■10H	●5H	■10H	S 3
6.1	■105M	■150M	■105M	■150M	N 3
6.2	■105K	■150K	■105K	■150K	N 4
6.3	■35K	■50K	■35K	■50K	N 3
6.4	●15H	■20H	●15H	■20H	N 4
7.1	●260N	■260N	●260N	■260N	N 1
7.2	■260N	■260N	■260N	■260N	N 1
7.3	■65N	■135N	■65N	■135N	N 1
7.4	●45L	■75L	●45L	■75L	N 2
8.1	●105N	■120N	●105N	■120N	O
8.2	●30N	●60N	●30N	●60N	O
8.3	●5L	●15L	●5L	●15L	O
9.1					H
10.1	●45K	■125K	●45K	■125K	O

HM																					
Z	Z	Z	Z	Z		A _e (x Ø)	A _p (x Ø)	 Ø [mm] fz [mm/Z] ± 25%													
1	2	3	4	>4				Ø	1	2	3	4	5	6	8	10	12	14	16	18	20
									A _p	0.05	1.5										
								A	0.012	0.024	0.035	0.045	0.055	0.065	0.080	0.093	0.107	0.121	0.134	0.149	0.162
								B	0.016	0.032	0.047	0.061	0.074	0.087	0.107	0.124	0.143	0.162	0.179	0.198	0.216
								C	0.020	0.040	0.058	0.076	0.092	0.108	0.134	0.156	0.179	0.202	0.224	0.248	0.271
								D	0.024	0.048	0.070	0.091	0.111	0.130	0.160	0.187	0.214	0.242	0.268	0.297	0.325
								E	0.028	0.056	0.081	0.106	0.129	0.152	0.187	0.218	0.250	0.283	0.313	0.347	0.379
								F	0.032	0.064	0.093	0.121	0.148	0.173	0.214	0.249	0.286	0.323	0.358	0.396	0.433
								G	0.037	0.071	0.105	0.136	0.166	0.195	0.240	0.280	0.321	0.364	0.403	0.446	0.487
								H	0.041	0.079	0.116	0.152	0.185	0.216	0.267	0.311	0.357	0.404	0.447	0.495	0.541
										A _p	0.08	1.5									
								A	0.010	0.019	0.028	0.036	0.044	0.052	0.064	0.074	0.085	0.096	0.107	0.118	0.129
								B	0.013	0.025	0.037	0.048	0.059	0.069	0.085	0.099	0.114	0.128	0.142	0.157	0.172
								C	0.016	0.032	0.046	0.060	0.073	0.086	0.106	0.124	0.142	0.161	0.178	0.197	0.215
								D	0.019	0.038	0.055	0.072	0.088	0.103	0.127	0.148	0.170	0.193	0.213	0.236	0.258
								E	0.023	0.044	0.065	0.084	0.103	0.120	0.149	0.173	0.199	0.225	0.249	0.276	0.301
								F	0.026	0.050	0.074	0.096	0.118	0.138	0.170	0.198	0.227	0.257	0.284	0.315	0.344
								G	0.029	0.057	0.083	0.108	0.132	0.155	0.191	0.223	0.256	0.289	0.320	0.354	0.387
								H	0.032	0.063	0.092	0.120	0.147	0.172	0.212	0.247	0.284	0.321	0.356	0.394	0.430
										A _p	0.15	1.5									
								A	0.007	0.014	0.021	0.027	0.033	0.038	0.047	0.055	0.063	0.071	0.079	0.087	0.095
								B	0.010	0.019	0.027	0.036	0.043	0.051	0.063	0.073	0.084	0.095	0.105	0.116	0.127
								C	0.012	0.023	0.034	0.045	0.054	0.064	0.078	0.091	0.105	0.119	0.132	0.146	0.159
								D	0.014	0.028	0.041	0.053	0.065	0.076	0.094	0.110	0.126	0.143	0.158	0.175	0.191
								E	0.017	0.033	0.048	0.062	0.076	0.089	0.110	0.128	0.147	0.166	0.184	0.204	0.223
								F	0.019	0.037	0.055	0.071	0.087	0.102	0.126	0.146	0.168	0.190	0.210	0.233	0.255
								G	0.021	0.042	0.062	0.080	0.098	0.115	0.141	0.165	0.189	0.214	0.237	0.262	0.286
								H	0.024	0.047	0.068	0.089	0.109	0.127	0.157	0.183	0.210	0.238	0.263	0.291	0.318
									A _p	0.30	1.5										
								A	0.005	0.010	0.015	0.019	0.024	0.028	0.034	0.040	0.046	0.052	0.058	0.064	0.070
								B	0.007	0.014	0.020	0.026	0.032	0.037	0.046	0.053	0.061	0.069	0.077	0.085	0.093
								C	0.009	0.017	0.025	0.032	0.040	0.046	0.057	0.067	0.077	0.087	0.096	0.106	0.116
								D	0.010	0.020	0.030	0.039	0.048	0.056	0.069	0.080	0.092	0.104	0.115	0.127	0.139
								E	0.012	0.024	0.035	0.045	0.055	0.065	0.080	0.093	0.107	0.121	0.134	0.149	0.162
								F	0.014	0.027	0.040	0.052	0.063	0.074	0.092	0.107	0.122	0.138	0.153	0.170	0.185
								G	0.016	0.031	0.045	0.058	0.071	0.083	0.103	0.120	0.138	0.156	0.173	0.191	0.209
								H	0.017	0.034	0.050	0.065	0.079	0.093	0.114	0.133	0.153	0.173	0.192	0.212	0.232
									A _p	0.60	1.5										
								A	0.004	0.008	0.011	0.015	0.018	0.021	0.026	0.031	0.035	0.040	0.044	0.049	0.053
								B	0.005	0.010	0.015	0.020	0.024	0.028	0.035	0.041	0.047	0.053	0.059	0.065	0.071
								C	0.007	0.013	0.019	0.025	0.030	0.035	0.044	0.051	0.058	0.066	0.073	0.081	0.089
								D	0.008	0.016	0.023	0.030	0.036	0.043	0.052	0.061	0.070	0.079	0.088	0.097	0.106
								E	0.009	0.018	0.027	0.035	0.042	0.050	0.061	0.071	0.082	0.093	0.103	0.114	0.124
								F	0.011	0.021	0.030	0.040	0.048	0.057	0.070	0.082	0.094	0.106	0.117	0.130	0.142
								G	0.012	0.023	0.034	0.045	0.054	0.064	0.079	0.092	0.105	0.119	0.132	0.146	0.159
								H	0.013	0.026	0.038	0.050	0.061	0.071	0.087	0.102	0.117	0.132	0.146	0.162	0.177

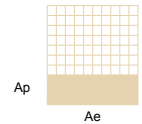
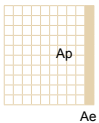
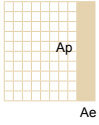
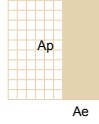
 Vynikající
 Основное применение
 Najlepsze zastosowanie
 Vynikajúce

 Dobrý
 Возможное применение
 Dobre zastosowanie
 Dobré

HM						 ϕ [mm] fz [mm/Z] $\pm 25\%$															
Z	Z	Z	Z	Z		Ae	Ap														
1	2	3	4	>4		(x Ø)	(x Ø)	Ø	1	2	3	4	5	6	8	10	12	14	16	18	20
■	■	■			 Ae 1.0 0.5			A	0.003	0.006	0.009	0.012	0.014	0.017	0.021	0.024	0.028	0.032	0.035	0.039	0.042
								B	0.004	0.008	0.012	0.016	0.019	0.023	0.028	0.033	0.037	0.042	0.047	0.052	0.057
								C	0.005	0.010	0.015	0.020	0.024	0.028	0.035	0.041	0.047	0.053	0.058	0.065	0.071
								D	0.006	0.012	0.018	0.024	0.029	0.034	0.042	0.049	0.056	0.063	0.070	0.078	0.085
								E	0.007	0.015	0.021	0.028	0.034	0.040	0.049	0.057	0.065	0.074	0.082	0.091	0.099
								F	0.008	0.017	0.024	0.032	0.039	0.045	0.056	0.065	0.075	0.084	0.093	0.103	0.113
								G	0.010	0.019	0.027	0.036	0.043	0.051	0.063	0.073	0.084	0.095	0.105	0.116	0.127
								H	0.011	0.021	0.030	0.040	0.048	0.057	0.070	0.081	0.093	0.106	0.117	0.129	0.141
■	■	■			 Ae 1.0 1.0			A	0.003	0.005	0.007	0.010	0.012	0.014	0.017	0.020	0.022	0.025	0.028	0.031	0.034
								B	0.003	0.007	0.010	0.013	0.015	0.018	0.022	0.026	0.030	0.034	0.037	0.041	0.045
								C	0.004	0.008	0.012	0.016	0.019	0.023	0.028	0.033	0.037	0.042	0.047	0.052	0.057
								D	0.005	0.010	0.015	0.019	0.023	0.027	0.033	0.039	0.045	0.051	0.056	0.062	0.068
								E	0.006	0.012	0.017	0.022	0.027	0.032	0.039	0.046	0.052	0.059	0.065	0.072	0.079
								F	0.007	0.013	0.019	0.025	0.031	0.036	0.045	0.052	0.060	0.068	0.075	0.083	0.090
								G	0.008	0.015	0.022	0.029	0.035	0.041	0.050	0.059	0.067	0.076	0.084	0.093	0.102
								H	0.008	0.017	0.024	0.032	0.039	0.045	0.056	0.065	0.075	0.084	0.093	0.103	0.113
■	■	■			 Ae 0.10 0.05			A	0.004	0.008	0.012	0.016	0.020	0.023	0.029	0.033	0.038	0.043	0.048	0.053	0.058
								B	0.006	0.011	0.017	0.022	0.026	0.031	0.038	0.044	0.051	0.058	0.064	0.071	0.077
								C	0.007	0.014	0.021	0.027	0.033	0.039	0.048	0.056	0.064	0.072	0.080	0.088	0.097
								D	0.009	0.017	0.025	0.032	0.040	0.046	0.057	0.067	0.076	0.086	0.096	0.106	0.116
								E	0.010	0.020	0.029	0.038	0.046	0.054	0.067	0.078	0.089	0.101	0.112	0.124	0.135
								F	0.012	0.023	0.033	0.043	0.053	0.062	0.076	0.089	0.102	0.115	0.128	0.141	0.154
								G	0.013	0.025	0.037	0.049	0.059	0.069	0.086	0.100	0.115	0.130	0.144	0.159	0.174
								H	0.014	0.028	0.042	0.054	0.066	0.077	0.095	0.111	0.127	0.144	0.160	0.177	0.193

■ Vynikající
 Основное применение
 Najlepsze zastosowanie
 Vynikajúce

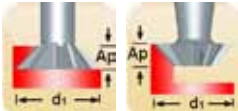
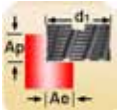
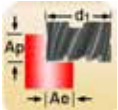
● Dobrý
 Возможное применение
 Dobre zastosowanie
 Dobré

HSSHSS-EHSS-E PM				Ø	Ae (x Ø)	Ap (x Ø)		fz	Ø [mm] fz [mm/Z] ± 25%																							
Z	Z	Z	Z						Ø	1	2	3	4	5	6	8	10	12	14	16	18	20	22	25	28	30	32	36	40	50		
2	3	4	>4																													
				A	0.004	0.008	0.013	0.017	0.024	0.029	0.043	0.060	0.072	0.084	0.096	0.097	0.096	0.099	0.105	0.109	0.108	0.106	0.108	0.108	0.105							
				B	0.004	0.007	0.012	0.015	0.022	0.026	0.039	0.054	0.065	0.076	0.086	0.087	0.086	0.089	0.095	0.098	0.097	0.095	0.097	0.097	0.095							
				C	0.003	0.006	0.011	0.014	0.019	0.023	0.035	0.049	0.058	0.068	0.078	0.079	0.078	0.080	0.085	0.088	0.087	0.086	0.087	0.087	0.085							
				D	0.004	0.007	0.011	0.014	0.020	0.024	0.037	0.051	0.061	0.071	0.081	0.082	0.081	0.084	0.089	0.099	0.091	0.097	0.091	0.101	0.101							
				E	0.007	0.012	0.018	0.024	0.035	0.042	0.063	0.087	0.105	0.122	0.140	0.141	0.140	0.144	0.153	0.171	0.157	0.168	0.157	0.175	0.175							
				F	0.007	0.009	0.013	0.018	0.021	0.025	0.033	0.041	0.050	0.055	0.064	0.072	0.079	0.079	0.085	0.085	0.085	0.085	0.085	0.085								
					G					0.026	0.034	0.036	0.043	0.050	0.057	0.064	0.071	0.071	0.054	0.053	0.054	0.053	0.056	0.057	0.060							
					H					0.023	0.031	0.032	0.039	0.045	0.051	0.058	0.064	0.064	0.049	0.048	0.049	0.048	0.050	0.051	0.054							
					I					0.021	0.028	0.029	0.035	0.041	0.046	0.052	0.058	0.058	0.044	0.043	0.044	0.043	0.045	0.046	0.049							
					J					0.024	0.031	0.033	0.039	0.046	0.052	0.059	0.065	0.065	0.049	0.049	0.049	0.049	0.051	0.052	0.055							
					K					0.035	0.047	0.065	0.079	0.092	0.105	0.088	0.098	0.097	0.110	0.110	0.110	0.110	0.115	0.118	0.123							
					L					0.010	0.013	0.017	0.020	0.025	0.028	0.030	0.032	0.033	0.034	0.036	0.038	0.039	0.040	0.042	0.042							
					M	0.008	0.012	0.018	0.023	0.031	0.041	0.057	0.069	0.080	0.091	0.103	0.114	0.090	0.103	0.085	0.091	0.097	0.110	0.107	0.086							
					N	0.007	0.011	0.016	0.021	0.028	0.037	0.051	0.062	0.072	0.082	0.093	0.103	0.081	0.093	0.077	0.082	0.087	0.099	0.096	0.077							
					O	0.006	0.010	0.015	0.019	0.025	0.033	0.046	0.056	0.065	0.074	0.083	0.092	0.073	0.083	0.069	0.074	0.079	0.089	0.087	0.070							
					P	0.007	0.010	0.016	0.020	0.027	0.035	0.049	0.059	0.069	0.079	0.088	0.098	0.078	0.088	0.073	0.079	0.084	0.094	0.092	0.074							
					Q	0.009	0.014	0.021	0.026	0.036	0.048	0.066	0.079	0.092	0.106	0.089	0.099	0.098	0.111	0.111	0.119	0.127	0.143	0.139	0.148							
					R	0.012	0.016	0.020	0.025	0.029	0.038	0.047	0.056	0.065	0.073	0.083	0.092	0.092	0.092	0.092	0.092	0.104	0.104	0.108	0.108							
			S	0.010	0.015	0.023	0.029	0.039	0.051	0.071	0.086	0.100	0.114	0.129	0.143	0.113	0.129	0.107	0.114	0.122	0.137	0.133	0.107									
			T	0.009	0.014	0.021	0.026	0.035	0.046	0.064	0.077	0.090	0.103	0.116	0.129	0.102	0.116	0.096	0.103	0.110	0.123	0.120	0.096									
			U	0.008	0.012	0.019	0.023	0.032	0.041	0.058	0.070	0.081	0.092	0.104	0.116	0.092	0.104	0.087	0.092	0.099	0.111	0.108	0.087									
			V	0.009	0.013	0.020	0.025	0.033	0.044	0.061	0.074	0.086	0.098	0.110	0.123	0.097	0.110	0.092	0.098	0.105	0.118	0.115	0.092									
			X	0.012	0.017	0.026	0.033	0.045	0.059	0.082	0.099	0.115	0.132	0.111	0.124	0.122	0.139	0.139	0.148	0.158	0.178	0.173	0.186									
			Y	0.015	0.020	0.025	0.031	0.036	0.047	0.059	0.070	0.081	0.092	0.104	0.115	0.115	0.115	0.115	0.115	0.130	0.130	0.136	0.136									

Vynikající
 Основное применение
 Najlepsze zastosowanie
 Vynikajúce

Dobry
 Возможное применение
 Dobre zastosowanie
 Dobré

HSS HSS-E HSS-E PM

Ø			Ø [mm] fz [mm/Z] ± 25%															
		Ø	10	12	16	20	25	32	38	50	63	80	100	125	160	200	300	350
C800 C801 C810 C820 C822 C825		M		0.017	0.022	0.036	0.038	0.041	0.044	0.045	0.047							
		N		0.022	0.027	0.045	0.046	0.052	0.058	0.06	0.062							
		O		0.025	0.03	0.052	0.055	0.056	0.058	0.06	0.062							
		P		0.030	0.043	0.063	0.064	0.062	0.068	0.07	0.072							
		Q		0.045	0.048	0.063	0.064	0.066	0.068	0.07	0.072							
		R		0.055	0.07	0.115	0.119	0.123	0.126	0.128	0.13							
C830 C835 C837 C831		Ø	10	12	16	20	25	32	38	50	63	80	100	125	160	200	300	350
		M		0.036	0.045	0.057	0.064	0.074	0.084									
		N		0.048	0.058	0.073	0.084	0.095	0.105									
		O		0.052	0.063	0.081	0.092	0.103	0.114									
		P		0.059	0.071	0.089	0.1	0.112	0.125									
		Q		0.072	0.088	0.106	0.12	0.133	0.147									
C700 C710		Ø	10	12	16	20	25	32	38	50	63	80	100	125	160	200	300	350
		M	0.03	0.03	0.03	0.04	0.05	0.05										
		N	0.04	0.04	0.04	0.05	0.06	0.07										
		O	0.04	0.04	0.05	0.06	0.07	0.08										
		P	0.04	0.04	0.05	0.07	0.08	0.08										
		Q	0.05	0.05	0.07	0.08	0.09	0.10										
D745 D747 D750 D751 D752 D753		Ø	10	12	16	20	25	32	38	50	63	80	100	125	160	200	300	350
		R						0.040		0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
		S						0.020		0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
		T						0.060		0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060	0.060
D200 D763		Ø	10	12	16	20	25	32	38	50	63	80	100	125	160	200	300	350
		M								0.040	0.050	0.060	0.070	0.080	0.090	0.100		
		N								0.060	0.070	0.080	0.090	0.100	0.105	0.115		
		O								0.070	0.080	0.090	0.100	0.105	0.110	0.120		
D402 D422		Ø	40	50	60	80	100	125										
		G	0.042	0.049	0.040	0.047	0.040	0.037										
		H	0.050	0.059	0.047	0.055	0.048	0.044										
		I	0.062	0.071	0.058	0.066	0.058	0.054										
D400 D420		Ø	40	50	60	80	100											
		G	0.042	0.049	0.040	0.047	0.040											
		H	0.050	0.059	0.047	0.055	0.048											
		I	0.062	0.071	0.058	0.066	0.058											

 D750 D751 D752 D753	Výběr rozteče zubů "P" Выбор шага зубьев фрезы Dobór freza przy cięciu rurek cienkościennych i prętów Výber hrubovacieho profilu zubu frézy									
	 t (mm)						 Ø (mm)			
	<1.0 mm	1.0 - 1.5 mm	1.5 - 2.0 mm	2.0 - 3.0 mm	3.0 - 4.0 mm	>4.0 mm	10 - 20 mm	20 - 40 mm	40 - 60 mm	
1.1	3	4	5	5	6	7	5	8		P 1
1.2	3	4	4	5	6	7	5	6		P 1
1.3	3	4	4	5	6	7	5	6		P 2
1.4	3	4	4	5	6	7	5	6		P 3
1.5	3	3	4	5	5	6	5	6	8	P 4
1.6										H 1
1.7										H 3
1.8										H 4
2.1	3	4	5	5	6	6	5	6	8	M 1
2.2	3	4	5	5	6	6	5	6	8	M 3
2.3	3	4	5	5	6	6	5	6	8	M 2
2.4	3	4	5	5	6	6	5	6	8	S 2
3.1							6	8		K 1
3.2							6	8		K 2
3.3							6	8		K 3
3.4							6	8		K 4
4.1										S 1
4.2										S 2
4.3										S 3
5.1										S 1
5.2										S 2
5.3										S 3
6.1	4	5	6	7	8	8	6	8		N 3
6.2	4	5	6	7	8	8	8			N 4
6.3	4	5	6	7	8	8	8			N 3
6.4	4	5	6	7	8		6	8		N 4
7.1	4	5	6	7	8	8	6	8		N 1
7.2	4	5	6	7	8	8	6	8		N 1
7.3	4	5	6	7	8	8	6	8		N 1
7.4	4	5	6	7	8	8	6	8		N 2
8.1										O
8.2										O
8.3										O
9.1										H
10.1										O

 Trubka Полая заготовка (труба) Tuleja Rúra	 Kulatina Цельная заготовка(пруток) Pręt Plný materiál
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S802HA

HM



N

Z

2



$\lambda 30^\circ$
 $\gamma 9^\circ$

DIN 6535HA



DIN 6527K

S802HB

HM



N

Z

2



$\lambda 30^\circ$
 $\gamma 9^\circ$

DIN 6535HB



DIN 6527K

S802HA

- Drážk. frézy
- Шпоночные фрезы

S802HB

- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

S802HA; S802HB

1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	3.1	3.2	3.3	3.4	6.2	6.3	6.4	7.2	7.3	7.4
2.3	2.4	4.1	4.2	5.1	5.2	6.1	7.1	8.1	8.2								



S802HA



1.00 - 20.00

S802HB



1.80 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S802HA	S802HB
1.00	3	3	38	2	S802HA1.0	
1.50	3	3	38	2	S802HA1.5	
1.80	6	3	50	2	S802HA1.8	S802HB1.8
2.00	6	3	50	2	S802HA2.0	S802HB2.0
2.50	6	3	50	2	S802HA2.5	S802HB2.5
2.80	6	4	50	2	S802HA2.8	S802HB2.8
3.00	6	4	50	2	S802HA3.0	S802HB3.0
3.50	6	4	50	2	S802HA3.5	S802HB3.5
3.80	6	5	54	2	S802HA3.8	S802HB3.8
4.00	6	5	54	2	S802HA4.0	S802HB4.0
4.50	6	5	54	2	S802HA4.5	S802HB4.5
4.80	6	6	54	2	S802HA4.8	S802HB4.8
5.00	6	6	54	2	S802HA5.0	S802HB5.0
5.75	6	7	54	2	S802HA5.75	S802HB5.75
6.00	6	7	54	2	S802HA6.0	S802HB6.0
6.75	8	8	58	2	S802HA6.75	S802HB6.75
7.00	8	8	58	2	S802HA7.0	S802HB7.0
7.75	8	9	58	2	S802HA7.75	S802HB7.75
8.00	8	9	58	2	S802HA8.0	S802HB8.0
9.00	10	10	66	2	S802HA9.0	S802HB9.0
9.70	10	11	66	2	S802HA9.7	S802HB9.7
10.00	10	11	66	2	S802HA10.0	S802HB10.0
11.70	12	12	73	2	S802HA11.7	S802HB11.7
12.00	12	12	73	2	S802HA12.0	S802HB12.0
13.70	14	14	75	2	S802HA13.7	S802HB13.7
14.00	14	14	75	2	S802HA14.0	S802HB14.0
15.70	16	16	82	2	S802HA15.7	S802HB15.7
16.00	16	16	82	2	S802HA16.0	S802HB16.0
17.70	18	18	84	2	S802HA17.7	S802HB17.7
18.00	18	18	84	2	S802HA18.0	S802HB18.0
19.70	20	20	92	2	S802HA19.7	S802HB19.7
20.00	20	20	92	2	S802HA20.0	S802HB20.0

S812HA

S812HA

- Drážk. frézy
- Шпоночные фрезы

S812HB

- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

S812HA; S812HB	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2
	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2							


S812HA


2.00 - 20.00

S812HB


2.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S812HA	S812HB
2.00	6	6	57	2	S812HA2.0	S812HB2.0
2.50	6	7	57	2	S812HA2.5	S812HB2.5
3.00	6	7	57	2	S812HA3.0	S812HB3.0
3.50	6	7	57	2	S812HA3.5	S812HB3.5
4.00	6	8	57	2	S812HA4.0	S812HB4.0
4.50	6	8	57	2	S812HA4.5	S812HB4.5
5.00	6	10	57	2	S812HA5.0	S812HB5.0
6.00	6	10	57	2	S812HA6.0	S812HB6.0
7.00	8	13	63	2	S812HA7.0	S812HB7.0
8.00	8	16	63	2	S812HA8.0	S812HB8.0
9.00	10	16	72	2	S812HA9.0	S812HB9.0
10.00	10	19	72	2	S812HA10.0	S812HB10.0
12.00	12	22	83	2	S812HA12.0	S812HB12.0
14.00	14	22	83	2	S812HA14.0	S812HB14.0
16.00	16	26	92	2	S812HA16.0	S812HB16.0
18.00	18	26	92	2	S812HA18.0	S812HB18.0
20.00	20	32	104	2	S812HA20.0	S812HB20.0

S803HA

HM



N

Z

3



$\lambda 30^\circ$
 $\gamma 9^\circ$



DIN

6527K

S803HB

HM



N

Z

3



$\lambda 30^\circ$
 $\gamma 9^\circ$



DIN

6527K

S803HA

- Drážk. frézy
- Шпоночные фрезы

S803HB

- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

S803HA; S803HB

1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	3.1	3.2	3.3	3.4	6.2	6.3	6.4	7.2	7.3	7.4
2.3	2.4	4.1	4.2	5.1	5.2	6.1	7.1	8.1	8.2								



S803HA



1.00 - 20.00

S803HB



1.80 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S803HA	S803HB
1.00	3	3	38	3	S803HA1.0	
1.50	3	3	38	3	S803HA1.5	
1.80	6	3	50	3	S803HA1.8	S803HB1.8
2.00	6	3	50	3	S803HA2.0	S803HB2.0
2.50	6	3	50	3	S803HA2.5	S803HB2.5
2.80	6	4	50	3	S803HA2.8	S803HB2.8
3.00	6	4	50	3	S803HA3.0	S803HB3.0
3.50	6	4	50	3	S803HA3.5	S803HB3.5
3.80	6	5	54	3	S803HA3.8	S803HB3.8
4.00	6	5	54	3	S803HA4.0	S803HB4.0
4.50	6	5	54	3	S803HA4.5	S803HB4.5
4.80	6	6	54	3	S803HA4.8	S803HB4.8
5.00	6	6	54	3	S803HA5.0	S803HB5.0
5.75	6	7	54	3	S803HA5.75	S803HB5.75
6.00	6	7	54	3	S803HA6.0	S803HB6.0
6.75	8	8	58	3	S803HA6.75	S803HB6.75
7.00	8	8	58	3	S803HA7.0	S803HB7.0
7.75	8	9	58	3	S803HA7.75	S803HB7.75
8.00	8	9	58	3	S803HA8.0	S803HB8.0
9.00	10	10	66	3	S803HA9.0	S803HB9.0
9.70	10	11	66	3	S803HA9.7	S803HB9.7
10.00	10	11	66	3	S803HA10.0	S803HB10.0
11.70	12	12	73	3	S803HA11.7	S803HB11.7
12.00	12	12	73	3	S803HA12.0	S803HB12.0
13.70	14	14	75	3	S803HA13.7	S803HB13.7
14.00	14	14	75	3	S803HA14.0	S803HB14.0
15.70	16	16	82	3	S803HA15.7	S803HB15.7
16.00	16	16	82	3	S803HA16.0	S803HB16.0
17.70	18	18	84	3	S803HA17.7	S803HB17.7
18.00	18	18	84	3	S803HA18.0	S803HB18.0
19.70	20	20	92	3	S803HA19.7	S803HB19.7
20.00	20	20	92	3	S803HA20.0	S803HB20.0

S813HA

S813HB

S813HA

- Drážk. frézy
- Шпоночные фрезы

S813HB

- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

S813HA; S813HB	■	1.1	1.2	1.3	1.4	1.5	2.1	3.1	3.2	3.3	3.4	6.2	6.3	6.4	7.2	7.3	7.4
	•	1.6	2.2	2.3	4.1	4.2	5.1	5.2	6.1	7.1	8.1	8.2					


S813HA


2.00 - 20.00

S813HB


2.00 - 20.00

d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S813HA	S813HB
2.00	6	6	57	3	S813HA2.0	S813HB2.0
2.50	6	7	57	3	S813HA2.5	S813HB2.5
3.00	6	7	57	3	S813HA3.0	S813HB3.0
3.50	6	7	57	3	S813HA3.5	S813HB3.5
4.00	6	8	57	3	S813HA4.0	S813HB4.0
4.50	6	8	57	3	S813HA4.5	S813HB4.5
5.00	6	10	57	3	S813HA5.0	S813HB5.0
6.00	6	10	57	3	S813HA6.0	S813HB6.0
7.00	8	13	63	3	S813HA7.0	S813HB7.0
8.00	8	16	63	3	S813HA8.0	S813HB8.0
9.00	10	16	72	3	S813HA9.0	S813HB9.0
10.00	10	19	72	3	S813HA10.0	S813HB10.0
12.00	12	22	83	3	S813HA12.0	S813HB12.0
14.00	14	22	83	3	S813HA14.0	S813HB14.0
16.00	16	26	92	3	S813HA16.0	S813HB16.0
18.00	18	26	92	3	S813HA18.0	S813HB18.0
20.00	20	32	104	3	S813HA20.0	S813HB20.0

S710

HM



N

Z

2



S710

- Stopkové frézy
- Концевые фрезы
- Frezy walcowo-czołowe
- Stopkové frézy

S710



1.1

1.2

1.3

1.4

1.5

2.1

2.2

3.1

3.2

3.3

3.4

4.2

5.2



S710



1.00 - 20.00

d_1 $\varnothing$ mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	S710
1.00	3	3	40	2	S7101.0
1.50	3	4.5	40	2	S7101.5
2.00	3	6.5	40	2	S7102.0
2.50	3	6.5	40	2	S7102.5
3.00	6	9	50	2	S7103.0
4.00	6	12	50	2	S7104.0
5.00	6	15	50	2	S7105.0
6.00	6	20	60	2	S7106.0
8.00	8	20	64	2	S7108.0
10.00	10	22	75	2	S71010.0
12.00	12	25	75	2	S71012.0
14.00	14	32	90	2	S71014.0
16.00	16	32	90	2	S71016.0
20.00	20	38	100	2	S71020.0



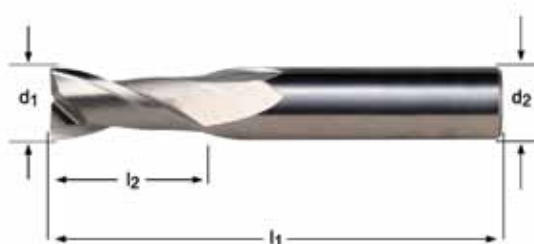
S902

- Stopkové frézy
- Концевые фрезы

S922

- Frezy walcowo-czołowe
- Stopkové frézy

S902	■	1.1	1.2	1.3	1.4	3.1	3.3	4.1	5.1	6.1	6.2	6.3			
	■	1.5	3.2	3.4	4.2	4.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3		
S922	■	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3
	■	1.6	4.2	4.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3				



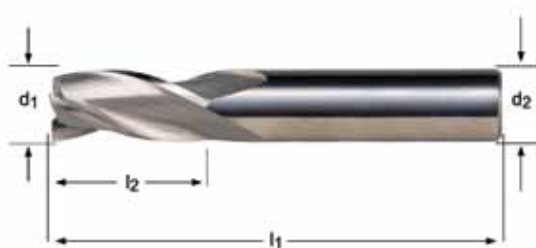
d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S902	S922
2.00	3	6	38	2	S9022.0	S9222.0 ¹⁾
2.50	3	9	38	2	S9022.5	S9222.5 ¹⁾
3.00	3	12	38	2	S9023.0	S9223.0 ¹⁾
4.00	4	14	50	2	S9024.0	S9224.0 ¹⁾
5.00	5	16	50	2	S9025.0	S9225.0 ¹⁾
6.00	6	19	57	2	S9026.0	S9226.0
7.00	8	19	63	2	S9027.0	S9227.0
8.00	8	19	63	2	S9028.0	S9228.0
9.00	10	21	72	2	S9029.0	S9229.0
10.00	10	22	72	2	S90210.0	S92210.0
12.00	12	25	73	2	S90212.0	S92212.0
14.00	14	30	83	2	S90214.0	S92214.0
16.00	16	32	92	2	S90216.0	S92216.0
18.00	18	32	92	2	S90218.0	S92218.0
20.00	20	38	104	2	S90220.0	S92220.0

¹⁾ Válcová stopka / Цилиндрический хвостовик / Chwyt cylindryczny (HA) / Válcová stopka



- S903**
- Stopkové frézy
 - Концевые фрезы
- S933**
- Frezy walcowo-czołowe
 - Stopkové frézy

S903	■	1.1	1.2	1.3	1.4	3.1	3.3	4.1	5.1	6.1	6.2	6.3													
	●	1.5	3.2	3.4	4.2	4.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3												
S933	■	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3										
	●	1.6	4.2	4.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3														



d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S903	S933
2.00	3	6	38	3	S9032.0	S9332.0 ¹⁾
2.50	3	9	38	3	S9032.5	S9332.5 ¹⁾
3.00	3	12	38	3	S9033.0	S9333.0 ¹⁾
4.00	4	14	50	3	S9034.0	S9334.0 ¹⁾
5.00	5	16	50	3	S9035.0	S9335.0 ¹⁾
6.00	6	19	57	3	S9036.0	S9336.0
7.00	8	19	63	3	S9037.0	S9337.0
8.00	8	19	63	3	S9038.0	S9338.0
9.00	10	21	72	3	S9039.0	S9339.0
10.00	10	22	72	3	S90310.0	S93310.0
12.00	12	25	73	3	S90312.0	S93312.0
14.00	14	30	83	3	S90314.0	S93314.0
16.00	16	32	92	3	S90316.0	S93316.0
18.00	18	32	92	3	S90318.0	S93318.0
20.00	20	38	104	3	S90320.0	S93320.0

¹⁾ Válcová stopka / Цилиндрический хвостовик / Chwyt cylindryczny (HA) / Válcová stopka

S714
HM

N
Z
3

 λ 40°
 γ 10°

DIN
6535HA

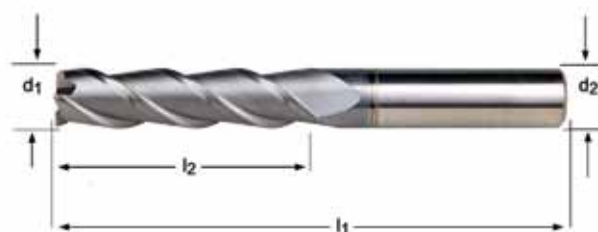
AlCrN

h9

DORMER
S714

- Stopkové frézy
- Концевые фрезы
- Frezy walcowo-czołowe
- Stopkové frézy

S714	1.1	1.2	1.3	1.4	1.5	2.1	2.2	3.1	3.2	3.3	3.4	4.2	5.2	6.1	6.2	6.3	6.4	7.1	7.2	7.3
	7.4																			


S714


3.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S714
3.00	3	19	60	3	S7143.0
4.00	4	19	60	3	S7144.0
5.00	5	19	60	3	S7145.0
6.00	6	31	75	3	S7146.0
8.00	8	31	75	3	S7148.0
10.00	10	31	75	3	S71410.0
12.00	12	50	100	3	S71412.0
14.00	14	57	125	3	S71414.0
16.00	16	57	125	3	S71416.0
18.00	18	57	125	3	S71418.0
20.00	20	57	125	3	S71420.0

S715

HM



N

Z
3



$\lambda 40^\circ$
 $\gamma 10^\circ$

DIN
6535HA

AlCrN

h9



DORMER

S715

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S715 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3 3.4 4.2 5.2



S715



3.00 - 20.00

d_1 $\emptyset$ mm	d_2 $\emptyset h_6$ mm	l_2 mm	l_1 mm	z	S715
3.00	3	25	100	3	S7153.0
4.00	4	31	100	3	S7154.0
5.00	5	31	100	3	S7155.0
6.00	6	38	100	3	S7156.0
8.00	8	41	100	3	S7158.0
10.00	10	57	125	3	S71510.0
12.00	12	75	150	3	S71512.0
14.00	14	75	150	3	S71514.0
16.00	16	75	150	3	S71516.0
18.00	18	75	150	3	S71518.0
20.00	20	75	150	3	S71520.0

S637



S637

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S637	▪	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2
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S637



2.00 - 12.00

d_1 Ø mm	d_2 Ø _{h₆} mm	l_2 mm	l_1 mm	z	S637
2.00	2	10	40	1	S6372.0
3.00	3	12	40	1	S6373.0
4.00	4	15	50	1	S6374.0
5.00	5	16	50	1	S6375.0
6.00	6	20	60	1	S6376.0
8.00	8	22	63	1	S6378.0
10.00	10	25	72	1	S63710.0
12.00	12	30	83	1	S63712.0

S638

HM



W

Z

2



S638

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

- Зúžená stopka
- Уменьшенный хвостовик
- Przewężony chwyt
- Зúžená stopka

S638

6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2



S638



6.20 - 20.30

d_1 $\varnothing$ mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	S638
6.20	6	8	100	2	S6386.2
8.20	8	10	100	2	S6388.2
10.30	10	14	125	2	S63810.3
12.30	12	16	125	2	S63812.3
16.30	16	20	125	2	S63816.3
20.30	20	25	125	2	S63820.3

S610
HM

W
Z
2

S610

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S610 ■ **6.1** **6.2** **6.3** **6.4** **7.1** **7.2** **7.3** **7.4** **8.1** **8.2**

S610


3.00 - 20.00

d_1 $\varnothing$ mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	S610
3.00	3	9	40	2	S6103.0XD3
3.00	6	9	50	2	S6103.0XD6
4.00	4	12	50	2	S6104.0XD4
4.00	6	12	50	2	S6104.0XD6
5.00	6	15	50	2	S6105.0
6.00	6	20	60	2	S6106.0
8.00	8	20	64	2	S6108.0
10.00	10	22	70	2	S61010.0
12.00	12	25	75	2	S61012.0
14.00	14	32	90	2	S61014.0
16.00	16	32	90	2	S61016.0
20.00	20	38	100	2	S61020.0

S611

HM



W

Z

2



S611

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S611

6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2



S611



6.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S611
6.00	6	16	80	2	40.0	5.5	S6116.0
8.00	8	20	80	2	40.0	7.4	S6118.0
10.00	10	22	100	2	60.0	9.2	S61110.0
12.00	12	25	100	2	60.0	11.0	S61112.0
14.00	14	32	125	2	85.0	13.0	S61114.0
16.00	16	32	125	2	85.0	15.0	S61116.0
20.00	20	38	125	2	85.0	19.0	S61120.0

S804HA

S804HB
S804HA

- Stopkové frézy
- Концевые фрезы

S804HB

- Frezy walcowo-czołowe
- Stopkové frézy

S804HA; S804HB	■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	3.1	3.2	3.3	3.4	6.2	6.3	6.4
		2.3	2.4	4.1	4.2	5.1	5.2	6.1	7.1	7.2	7.3	7.4	8.1	8.2		


S804HA


2.00 - 25.00

S804HB


2.00 - 25.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S804HA	S804HB
2.00	6	4	50	4	S804HA2.0	S804HB2.0
3.00	6	5	50	4	S804HA3.0	S804HB3.0
4.00	6	8	54	4	S804HA4.0	S804HB4.0
5.00	6	9	54	4	S804HA5.0	S804HB5.0
6.00	6	10	54	4	S804HA6.0	S804HB6.0
8.00	8	12	58	4	S804HA8.0	S804HB8.0
10.00	10	14	66	4	S804HA10.0	S804HB10.0
12.00	12	16	73	4	S804HA12.0	S804HB12.0
16.00	16	22	82	4	S804HA16.0	S804HB16.0
20.00	20	26	92	4	S804HA20.0	S804HB20.0
25.00	25	32	121	4	S804HA25.0	S804HB25.0

S219

HM



N

Z

4



S219

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S219 ■ 1.6 2.3 2.4 4.3 5.3



S219



3.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S219
3.00	3	5	60	4	30.0	2.8	S2193.0
4.00	4	8	60	4	32.0	3.7	S2194.0
5.00	5	9	60	4	32.0	4.6	S2195.0
6.00	6	10	75	4	40.0	5.5	S2196.0
8.00	8	12	75	4	40.0	7.4	S2198.0
10.00	10	14	75	4	40.0	9.2	S21910.0
12.00	12	16	100	4	60.0	11.0	S21912.0
14.00	14	22	125	4	85.0	13.0	S21914.0
16.00	16	22	125	4	85.0	15.0	S21916.0
18.00	18	26	125	4	85.0	17.0	S21918.0
20.00	20	26	125	4	85.0	19.0	S21920.0

S814HA

S814HA

- Stopkové frézy
- Концевые фрезы

S814HB

- Frezy walcowo-czołowe
- Stopkové frézy

S814HA; S814HB	■	1.1	1.2	1.3	1.4	1.5	2.1	3.1	3.2	3.3	3.4	6.2	6.3	6.4	
	•	1.6	2.2	2.3	4.1	4.2	5.1	5.2	6.1	7.1	7.2	7.3	7.4	8.1	8.2


S814HA


2.00 - 25.00

S814HB


2.00 - 25.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S814HA	S814HB
2.00	6	7	57	4	S814HA2.0	S814HB2.0
3.00	6	8	57	4	S814HA3.0	S814HB3.0
4.00	6	11	57	4	S814HA4.0	S814HB4.0
5.00	6	13	57	4	S814HA5.0	S814HB5.0
6.00	6	13	57	4	S814HA6.0	S814HB6.0
8.00	8	19	63	4	S814HA8.0	S814HB8.0
10.00	10	22	72	4	S814HA10.0	S814HB10.0
12.00	12	26	83	4	S814HA12.0	S814HB12.0
16.00	16	32	92	4	S814HA16.0	S814HB16.0
20.00	20	38	104	4	S814HA20.0	S814HB20.0
25.00	25	45	121	4	S814HA25.0	S814HB25.0

S612

HM



N

Z

4



S612

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S612 ■ 10.1



S612



1.00 - 12.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S612
1.00	3	3	40	4	S6121.0
1.50	3	4.5	40	4	S6121.5
2.00	3	6.5	40	4	S6122.0
2.50	3	6.5	40	4	S6122.5
3.00	3	9	40	4	S6123.0
4.00	4	12	50	4	S6124.0
5.00	5	15	50	4	S6125.0
6.00	6	20	60	4	S6126.0
8.00	8	20	64	4	S6128.0
10.00	10	22	70	4	S61210.0
12.00	12	25	75	4	S61212.0

S216
HM

N
Z
4

S216

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S216 ■ **1.6** **2.3** **2.4** **4.3** **5.3**

S216


2.00 - 20.00

d_1 Ø mm	d_2 Ø _{h_s} mm	l_2 mm	l_1 mm	z	S216
2.00	4	6.5	40	4	S2162.0
3.00	3	9	40	4	S2163.0XD3
3.00	6	9	50	4	S2163.0XD6
4.00	4	12	50	4	S2164.0XD4
4.00	6	12	50	4	S2164.0XD6
5.00	5	15	50	4	S2165.0
6.00	6	16	50	4	S2166.0
8.00	8	20	64	4	S2168.0
10.00	10	22	70	4	S21610.0
12.00	12	25	75	4	S21612.0
14.00	14	32	90	4	S21614.0
16.00	16	32	90	4	S21616.0
18.00	18	38	100	4	S21618.0
20.00	20	38	100	4	S21620.0



- S904**
- Stopkové frézy
 - Концевые фрезы
- S944**
- Frezy walcowo-czołowe
 - Stopkové frézy

S904	■	1.1	1.2	1.3	1.4	3.1	3.3	4.1	5.1	6.1	6.2	6.3					
	●	1.5	1.6	3.2	3.4	4.2	4.3	5.2	5.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3	
S944	■	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3		
	●	1.6	4.2	4.3	5.2	5.3	6.4	7.1	7.2	7.3	8.1	8.2	8.3				



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S904	S944
2.00	3	6	38	4	S9042.0	S9442.0 ¹⁾
2.50	3	9	38	4	S9042.5	S9442.5 ¹⁾
3.00	3	12	38	4	S9043.0	S9443.0 ¹⁾
4.00	4	14	50	4	S9044.0	S9444.0 ¹⁾
5.00	5	16	50	4	S9045.0	S9445.0 ¹⁾
6.00	6	19	57	4	S9046.0	S9446.0
7.00	8	19	63	4	S9047.0	S9447.0
8.00	8	19	63	4	S9048.0	S9448.0
9.00	10	21	72	4	S9049.0	S9449.0
10.00	10	22	72	4	S90410.0	S94410.0
12.00	12	25	73	4	S90412.0	S94412.0
14.00	14	30	83	4	S90414.0	S94414.0
16.00	16	32	92	4	S90416.0	S94416.0
18.00	18	32	92	4	S90418.0	S94418.0
20.00	20	38	104	4	S90420.0	S94420.0

¹⁾ Válcová stopka / Цилиндрический хвостовик / Chwyt cylindryczny (HA) / Válcová stopka

S717	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlCrN	h9	
S217	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 3^\circ$	DIN 6535HA	AlTiN	h9	

- S717**
- Stopkové frézy
 - Концевые фрезы
- S217**
- Frezy walcowo-czołowe
 - Stopkové frézy

S717	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	3.1	3.2	3.3	3.4	4.2	5.2
S217	▪	1.6	2.3	2.4	4.3	5.3								



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S717	S217
3.00	3	19	60	4	S7173.0	S2173.0XD3
3.00	6	19	75	4		S2173.0XD6
4.00	4	19	60	4	S7174.0	S2174.0XD4
4.00	6	19	75	4		S2174.0XD6
5.00	5	19	60	4	S7175.0	S2175.0
6.00	6	31	75	4	S7176.0	S2176.0
8.00	8	31	75	4	S7178.0	S2178.0
10.00	10	31	75	4	S71710.0	S21710.0
12.00	12	50	100	4	S71712.0	S21712.0
14.00	14	57	125	4	S71714.0	S21714.0
16.00	16	57	125	4	S71716.0	S21716.0
18.00	18	57	125	4	S71718.0	S21718.0
20.00	20	57	125	4	S71720.0	S21720.0

S718	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlCrN	h9		
S218	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 3^\circ$	DIN 6535HA	AlTiN	h9		

- S718**
- Stopkové frézy
 - Концевые фрезы
- S218**
- Frezy walcowo-czołowe
 - Stopkové frézy

S718	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	3.1	3.2	3.3	3.4	4.2	5.2
S218	▪	1.6	2.3	2.4	4.3	5.3								



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S718	S218
3.00	3	25	100	4	S7183.0	S2183.0
4.00	4	31	100	4	S7184.0	S2184.0
5.00	5	31	100	4	S7185.0	S2185.0
6.00	6	38	100	4	S7186.0	S2186.0
8.00	8	41	100	4	S7188.0	S2188.0
10.00	10	57	125	4	S71810.0	S21810.0
12.00	12	75	150	4	S71812.0	S21812.0
14.00	14	75	150	4	S71814.0	S21814.0
16.00	16	75	150	4	S71816.0	S21816.0
18.00	18	75	150	4	S71818.0	S21818.0
20.00	20	75	150	4	S71820.0	S21820.0

S761	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlCrN	h9	
S260	HM		N	Z 4		$\lambda 40^\circ$ $\gamma 4^\circ$	DIN 6535HA	AlCrN	h9	

- S761**
- Stopkové frézy
 - Концевые фрезы
- S260**
- Frezy walcowo-czołowe
 - Stopkové frézy

S761	▪	1.1	1.2	1.3	1.4	1.5	2.1	2.2	3.1	3.2	3.3	3.4	4.2	5.2
S260	▪	1.6	1.7	2.3	2.4	4.3	5.3							



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S761	S260
3.00	6	9	57	4	S7613.0	S2603.0
4.00	6	12	57	4	S7614.0	S2604.0
5.00	6	13	57	4	S7615.0	S2605.0
6.00	6	13	57	4	S7616.0	S2606.0
8.00	8	20	64	4	S7618.0	S2608.0
10.00	10	22	72	4	S76110.0	S26010.0
12.00	12	26	83	4	S76112.0	S26012.0
14.00	14	32	83	4	S76114.0	S26014.0
16.00	16	32	92	4	S76116.0	S26016.0
18.00	18	38	92	4		S26018.0
20.00	20	38	104	4	S76120.0	S26020.0

S766

HM



N



S766

- Stopkové frézy
- Концевые фрезы
- Frez walcowo-czołowy
- Stopkové frézy

S766 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3 3.4 4.2 5.2



S766



4.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	S766
4.00	6	11	57	4	S7664.0
5.00	6	13	57	4	S7665.0
6.00	6	13	57	4	S7666.0
8.00	8	20	64	4	S7668.0
10.00	10	22	72	4	S76610.0
12.00	12	26	83	4	S76612.0
14.00	14	26	83	4	S76614.0
16.00	16	32	92	4	S76616.0
20.00	20	38	104	4	S76620.0

S225	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma 3^\circ$	DIN 6535HA	 AlTiN	h9		
S525	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma -26^\circ$	DIN 6535HA	 TiSiN	h9		

- S225**
- Dokončovací frézy
 - Чистовая концевая фреза
- S525**
- Frezy walcowo-czołowe do obróbki wykańczającej
 - Dokončovacie frézy

S225	▪	1.6	2.3	2.4	4.3	5.3
S525	▪	1.7	1.8			

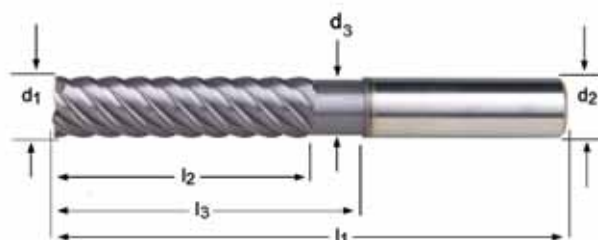


d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S225	S525
3.00	6	8	50	6	20.0	2.8	S2253.0	S5253.0
4.00	6	11	50	6	20.0	3.7	S2254.0	S5254.0
6.00	6	15	50	6	20.0	5.5	S2256.0	S5256.0
8.00	8	20	64	6	30.0	7.4	S2258.0	S5258.0
10.00	10	22	70	6	32.0	9.2	S22510.0	S52510.0
12.00	12	25	75	6	37.0	11.0	S22512.0	S52512.0
14.00	14	30	90	6	44.0	13.0	S22514.0	S52514.0
16.00	16	30	90	8	46.0	15.0	S22516.0	S52516.0
18.00	18	35	100	8	53.0	17.0	S22518.0	S52518.0
20.00	20	38	100	8	58.0	19.0	S22520.0	S52520.0

S226	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma 3^\circ$	DIN 6535HA	AlTiN	h9		
S526	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma -26^\circ$	DIN 6535HA	TiSiN	h9		

- S226**
- Dokončovací frézy
 - Чистовая концевая фреза
- S526**
- Frezy walcowo-czołowe do obróbki wykańczającej
 - Dokončovacie frézy

S226	▪	1.6	2.3	2.4	4.3	5.3
S526	▪	1.7	1.8			



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S226	S526
3.00	6	19	75	6	30.0	2.8	S2263.0	S5263.0
4.00	6	19	75	6	32.0	3.7	S2264.0	S5264.0
6.00	6	31	75	6	40.0	5.5	S2266.0	S5266.0
8.00	8	31	75	6	40.0	7.4	S2268.0	S5268.0
10.00	10	45	100	6	60.0	9.2	S22610.0	S52610.0
12.00	12	50	100	6	60.0	11.0	S22612.0	S52612.0
14.00	14	57	125	6	85.0	13.0	S22614.0	S52614.0
16.00	16	57	125	8	85.0	15.0	S22616.0	S52616.0
18.00	18	57	125	8	85.0	17.0	S22618.0	S52618.0
20.00	20	57	125	8	85.0	19.0	S22620.0	S52620.0

S227	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma 3^\circ$	DIN 6535HA	AlTiN	h9	
S527	HM		N	Z 6-8		$\lambda 50^\circ$ $\gamma -26^\circ$	DIN 6535HA	TiSiN	h9	

- S227**
- Dokončovací frézy
 - Чистовая концевая фреза
- S527**
- Frezy walcowo-czołowe do obróbki wykańczającej
 - Dokončovacie frézy

S227	▪	1.6	2.3	2.4	4.3	5.3
S527	▪	1.7	1.8			



d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S227	S527
3.00	6	25	100	6	60.0	2.8		S5273.0
4.00	6	31	100	6	60.0	3.7		S5274.0
6.00	6	38	100	6	60.0	5.5	S2276.0	S5276.0
8.00	8	41	100	6	60.0	7.4	S2278.0	S5278.0
10.00	10	57	125	6	85.0	9.2	S22710.0	S52710.0
12.00	12	75	150	6	110.0	11.0	S22712.0	S52712.0
14.00	14	75	150	6	110.0	13.0	S22714.0	S52714.0
16.00	16	75	150	8	110.0	15.0	S22716.0	S52716.0
18.00	18	75	150	8	110.0	17.0	S22718.0	S52718.0
20.00	20	75	150	8	110.0	19.0	S22720.0	S52720.0

S765



S765

- Hrubovací frézy
- Черновые концевые фрезы
- Frez człowo-walcowy do obróbki zgrubnej
- Hrubovacie frézy

S765 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3 3.4 4.2 5.2



S765



6.00 - 20.00

d_1 Ø mm	d_2 Øh ₆ mm	l_2 mm	l_1 mm	z	S765
6.00	6	16	50	4	S7656.0
8.00	8	20	64	4	S7658.0
10.00	10	22	70	4	S76510.0
12.00	12	26	75	4	S76512.0
14.00	14	32	90	4	S76514.0
16.00	16	32	90	4	S76516.0
18.00	18	38	100	4	S76518.0
20.00	20	38	100	4	S76520.0

S264



S264

- Hrubovací frézy
- Черновые концевые фрезы
- Frez czołowo-walcowy do obróbki zgrubnej
- Hrubovacie frézy

S264 ■ 1.6 1.7 2.3 2.4 4.3 5.3



S264



6.00 - 20.00

d_1 Ø mm	d_2 Ø _{h₆} mm	l_2 mm	l_1 mm	z	S264
6.00	6	13	57	4	S2646.0
8.00	8	20	64	4	S2648.0
10.00	10	22	72	4	S26410.0
12.00	12	26	83	4	S26412.0
14.00	14	26	83	4	S26414.0
16.00	16	32	92	4	S26416.0
18.00	18	32	92	4	S26418.0
20.00	20	38	104	4	S26420.0

S524

HM



N

Z

4

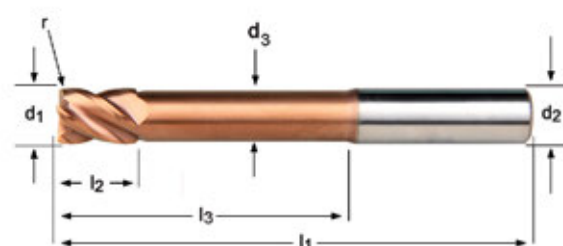


S524

- Drážkovací frézy s rádiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S524

1.7 1.8



S524



3.00 - 16.00

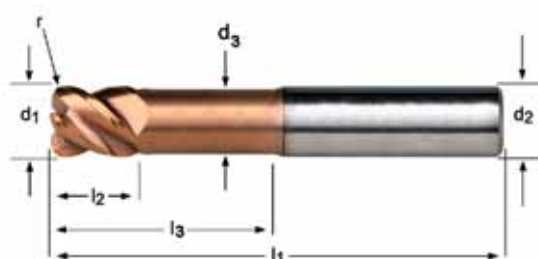
d_1 Ø mm	r ±0.01 mm	d_2 Ø h_6 mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S524
3.00	0.30	6	5	75	4	30.0	2.8	S5243.0XR0.3
4.00	0.30	6	8	75	4	32.0	3.7	S5244.0XR0.3
4.00	0.50	6	8	75	4	32.0	3.7	S5244.0XR0.5
5.00	0.30	6	9	75	4	32.0	4.6	S5245.0XR0.3
5.00	0.50	6	9	75	4	32.0	4.6	S5245.0XR0.5
6.00	0.30	6	10	75	4	40.0	5.5	S5246.0XR0.3
6.00	0.50	6	10	75	4	40.0	5.5	S5246.0XR0.5
6.00	1.00	6	10	75	4	40.0	5.5	S5246.0XR1.0
8.00	0.30	8	12	75	4	40.0	7.4	S5248.0XR0.3
8.00	0.50	8	12	75	4	40.0	7.4	S5248.0XR0.5
8.00	1.00	8	12	75	4	40.0	7.4	S5248.0XR1.0
10.00	0.50	10	14	75	4	40.0	9.2	S52410.0XR0.5
10.00	1.00	10	14	75	4	40.0	9.2	S52410.0XR1.0
10.00	2.00	10	14	75	4	40.0	9.2	S52410.0XR2.0
12.00	0.50	12	16	100	4	60.0	11.0	S52412.0XR0.5
12.00	1.00	12	16	100	4	60.0	11.0	S52412.0XR1.0
12.00	2.00	12	16	100	4	60.0	11.0	S52412.0XR2.0
16.00	0.50	16	22	125	4	85.0	15.0	S52416.0XR0.5
16.00	1.00	16	22	125	4	85.0	15.0	S52416.0XR1.0
16.00	2.00	16	22	125	4	85.0	15.0	S52416.0XR2.0
16.00	3.00	16	22	125	4	85.0	15.0	S52416.0XR3.0

S521
HM

N
Z
4

S521

- Drážkovací frézy s rádiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S521 ■ **1.7** **1.8**

S521


3.00 - 16.00

d_1 Ø mm	r ±0.01 mm	d_2 Ø h_6 mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S521
3.00	0.30	6	4	60	4	14.0	2.8	S5213.0XR0.3
4.00	0.30	6	5	60	4	16.0	3.7	S5214.0XR0.3
4.00	0.50	6	5	60	4	16.0	3.7	S5214.0XR0.5
5.00	0.30	6	6	60	4	18.0	4.6	S5215.0XR0.3
5.00	0.50	6	6	60	4	18.0	4.6	S5215.0XR0.5
6.00	0.50	6	7	60	4	20.0	5.5	S5216.0XR0.5
6.00	1.00	6	7	60	4	20.0	5.5	S5216.0XR1.0
8.00	0.50	8	9	64	4	26.0	7.4	S5218.0XR0.5
8.00	1.00	8	9	64	4	26.0	7.4	S5218.0XR1.0
10.00	1.00	10	11	70	4	31.0	9.2	S52110.0XR1.0
10.00	2.00	10	11	70	4	31.0	9.2	S52110.0XR2.0
12.00	1.00	12	13	75	4	37.0	11.0	S52112.0XR1.0
12.00	2.00	12	13	75	4	37.0	11.0	S52112.0XR2.0
16.00	1.00	16	17	90	4	43.0	15.0	S52116.0XR1.0
16.00	2.00	16	17	90	4	43.0	15.0	S52116.0XR2.0
16.00	3.00	16	17	90	4	43.0	15.0	S52116.0XR3.0

S523

HM



N

Z

4



S523

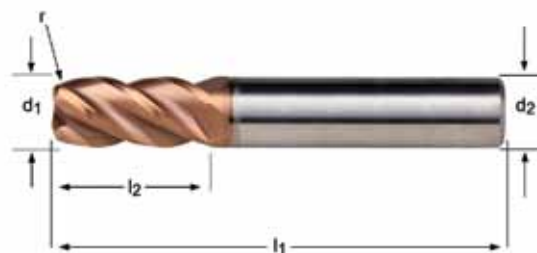
- Drážkovací frézy s radiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S523



1.7

1.8



S523



1.50 - 16.00

d ₁ Ø mm	r ±0.01 mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S523
1.50	0.20	6	4.5	50	4	S5231.5XR0.2
2.00	0.20	6	6.5	50	4	S5232.0XR0.2
3.00	0.20	3	9	40	4	S5233.0XR0.2XD3
3.00	0.30	3	9	40	4	S5233.0XR0.3XD3
3.00	0.20	6	9	50	4	S5233.0XR0.2XD6
3.00	0.30	6	9	50	4	S5233.0XR0.3XD6
3.00	0.50	6	9	50	4	S5233.0XR0.5XD6
4.00	0.30	4	12	50	4	S5234.0XR0.3XD4
4.00	0.50	4	12	50	4	S5234.0XR0.5XD4
4.00	0.30	6	12	50	4	S5234.0XR0.3XD6
4.00	0.50	6	12	50	4	S5234.0XR0.5XD6
5.00	0.30	5	15	50	4	S5235.0XR0.3XD5
5.00	0.50	5	15	50	4	S5235.0XR0.5XD5
5.00	0.30	6	15	50	4	S5235.0XR0.3XD6
5.00	0.50	6	15	50	4	S5235.0XR0.5XD6
6.00	0.30	6	16	50	4	S5236.0XR0.3
6.00	0.50	6	16	50	4	S5236.0XR0.5
6.00	1.00	6	16	50	4	S5236.0XR1.0
8.00	0.30	8	20	64	4	S5238.0XR0.3
8.00	0.50	8	20	64	4	S5238.0XR0.5
8.00	1.00	8	20	64	4	S5238.0XR1.0
8.00	2.00	8	20	64	4	S5238.0XR2.0
10.00	0.50	10	22	70	4	S52310.0XR0.5
10.00	1.00	10	22	70	4	S52310.0XR1.0
10.00	1.50	10	22	70	4	S52310.0XR1.5
10.00	2.00	10	22	70	4	S52310.0XR2.0
12.00	0.50	12	25	75	4	S52312.0XR0.5
12.00	1.00	12	25	75	4	S52312.0XR1.0
12.00	2.00	12	25	75	4	S52312.0XR2.0
12.00	3.00	12	25	75	4	S52312.0XR3.0
16.00	0.50	16	32	90	4	S52316.0XR0.5
16.00	1.00	16	32	90	4	S52316.0XR1.0
16.00	2.00	16	32	90	4	S52316.0XR2.0
16.00	3.00	16	32	90	4	S52316.0XR3.0

S763
HM

N

S763

- Drážkovací frézy s radiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S763
1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3 3.4 4.2 5.2

S763


3.00 - 20.00

d_1 $\varnothing$ mm	r ± 0.01 mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	S763
3.00	0.30	3	9	40	4	S7633.0XR0.3
4.00	0.30	4	12	50	4	S7634.0XR0.3
4.00	0.50	4	12	50	4	S7634.0XR0.5
5.00	0.30	5	15	50	4	S7635.0XR0.3
5.00	0.50	5	15	50	4	S7635.0XR0.5
6.00	0.50	6	16	50	4	S7636.0XR0.5
6.00	1.00	6	16	50	4	S7636.0XR1.0
8.00	0.50	8	20	64	4	S7638.0XR0.5
8.00	1.00	8	20	64	4	S7638.0XR1.0
10.00	0.50	10	22	70	4	S76310.0XR0.5
10.00	1.00	10	22	70	4	S76310.0XR1.0
10.00	2.00	10	22	70	4	S76310.0XR2.0
12.00	1.00	12	25	75	4	S76312.0XR1.0
12.00	2.00	12	25	75	4	S76312.0XR2.0
12.00	3.00	12	25	75	4	S76312.0XR3.0
14.00	1.50	14	32	90	4	S76314.0XR1.5
16.00	1.00	16	32	90	4	S76316.0XR1.0
16.00	2.00	16	32	90	4	S76316.0XR2.0
16.00	3.00	16	32	90	4	S76316.0XR3.0
18.00	2.00	18	38	100	4	S76318.0XR2.0
20.00	3.00	20	38	100	4	S76320.0XR3.0

S262

HM



N



S262

- Drážkovací frézy s rádiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S262 ■ 1.6 1.7 2.3 2.4 4.3 5.3



S262



3.00 - 20.00

d ₁ Ø mm	r ±0.01 mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S262
3.00	0.30	6	9	50	4	S2623.0XR0.3
3.00	0.50	6	9	50	4	S2623.0XR0.5
4.00	0.30	6	12	57	4	S2624.0XR0.3
4.00	0.50	6	12	57	4	S2624.0XR0.5
4.00	1.00	6	12	57	4	S2624.0XR1.0
5.00	0.30	6	15	57	4	S2625.0XR0.3
5.00	0.50	6	15	57	4	S2625.0XR0.5
6.00	0.30	6	16	57	4	S2626.0XR0.3
6.00	0.50	6	16	57	4	S2626.0XR0.5
6.00	1.00	6	16	57	4	S2626.0XR1.0
8.00	0.30	8	20	64	4	S2628.0XR0.3
8.00	0.50	8	20	64	4	S2628.0XR0.5
8.00	1.00	8	20	64	4	S2628.0XR1.0
8.00	1.50	8	20	64	4	S2628.0XR1.5
8.00	2.00	8	20	64	4	S2628.0XR2.0
10.00	0.30	10	22	72	4	S26210.0XR0.3
10.00	0.50	10	22	72	4	S26210.0XR0.5
10.00	1.00	10	22	72	4	S26210.0XR1.0
10.00	1.50	10	22	72	4	S26210.0XR1.5
10.00	2.00	10	22	72	4	S26210.0XR2.0
12.00	0.30	12	26	83	4	S26212.0XR0.3
12.00	0.50	12	26	83	4	S26212.0XR0.5
12.00	1.00	12	26	83	4	S26212.0XR1.0
12.00	2.00	12	26	83	4	S26212.0XR2.0
12.00	2.50	12	26	83	4	S26212.0XR2.5
12.00	3.00	12	26	83	4	S26212.0XR3.0
14.00	0.30	14	32	83	4	S26214.0XR0.3
14.00	0.50	14	32	83	4	S26214.0XR0.5
14.00	1.00	14	32	83	4	S26214.0XR1.0
14.00	2.00	14	32	83	4	S26214.0XR2.0
14.00	3.00	14	32	83	4	S26214.0XR3.0
16.00	0.30	16	32	92	4	S26216.0XR0.3
16.00	0.50	16	32	92	4	S26216.0XR0.5
16.00	1.00	16	32	92	4	S26216.0XR1.0
16.00	2.00	16	32	92	4	S26216.0XR2.0
16.00	2.50	16	32	92	4	S26216.0XR2.5
16.00	3.00	16	32	92	4	S26216.0XR3.0
16.00	4.00	16	32	92	4	S26216.0XR4.0
18.00	0.30	18	38	92	4	S26218.0XR0.3
18.00	0.50	18	38	92	4	S26218.0XR0.5

d_1 $\varnothing$ mm	r ± 0.01 mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	S262
18.00	1.00	18	38	92	4	S26218.0XR1.0
18.00	2.00	18	38	92	4	S26218.0XR2.0
18.00	3.00	18	38	92	4	S26218.0XR3.0
20.00	0.30	20	38	104	4	S26220.0XR0.3
20.00	0.50	20	38	104	4	S26220.0XR0.5
20.00	1.00	20	38	104	4	S26220.0XR1.0
20.00	2.00	20	38	104	4	S26220.0XR2.0
20.00	2.50	20	38	104	4	S26220.0XR2.5
20.00	3.00	20	38	104	4	S26220.0XR3.0
20.00	4.00	20	38	104	4	S26220.0XR4.0

S767

HM



N



S767

- Drážkovací frézy s rádiusem
- Тороидальные концевые фрезы
- Frez czołowo-walcowy z promieniem naroża
- Drážkovacie frézy s rádiusom

S767 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3 3.4 4.2 5.2



S767



4.00 - 20.00

d ₁ Ø mm	r ±0.01 mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S767
4.00	0.30	6	11	57	4	S7674.0XR0.3
4.00	0.50	6	11	57	4	S7674.0XR0.5
5.00	0.30	6	13	57	4	S7675.0XR0.3
5.00	0.50	6	13	57	4	S7675.0XR0.5
6.00	0.30	6	13	57	4	S7676.0XR0.3
6.00	0.50	6	13	57	4	S7676.0XR0.5
6.00	1.00	6	13	57	4	S7676.0XR1.0
8.00	0.30	8	20	64	4	S7678.0XR0.3
8.00	0.50	8	20	64	4	S7678.0XR0.5
8.00	1.00	8	20	64	4	S7678.0XR1.0
10.00	0.30	10	22	72	4	S76710.0XR0.3
10.00	0.50	10	22	72	4	S76710.0XR0.5
10.00	1.00	10	22	72	4	S76710.0XR1.0
12.00	0.30	12	26	83	4	S76712.0XR0.3
12.00	0.50	12	26	83	4	S76712.0XR0.5
12.00	1.00	12	26	83	4	S76712.0XR1.0
12.00	2.00	12	26	83	4	S76712.0XR2.0
16.00	0.30	16	32	92	4	S76716.0XR0.3
16.00	0.50	16	32	92	4	S76716.0XR0.5
16.00	1.00	16	32	92	4	S76716.0XR1.0
16.00	2.00	16	32	92	4	S76716.0XR2.0
20.00	0.30	20	38	104	4	S76720.0XR0.3
20.00	0.50	20	38	104	4	S76720.0XR0.5
20.00	1.00	20	38	104	4	S76720.0XR1.0
20.00	2.00	20	38	104	4	S76720.0XR2.0

S536

HM



N

Z

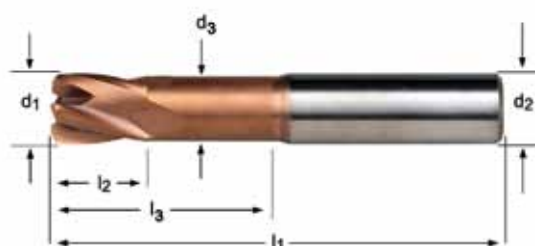
4



S536

- Vysokoposuvové frézy
- Концевая фреза для высоких подач
- Frez czołowo-walcow do stosowania wysokich posuwów
- Rýchloposuvová dokončovacia frézal

S536 ■ 1.7 1.8



S536



6.00 - 12.00

d_1 Ø mm	r ±0.01 mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S536
6.00	1.00	6	6	60	4	20.0	5.5	S5366.0XR1.0
8.00	2.00	8	8	64	4	24.0	7.4	S5368.0XR2.0
10.00	2.00	10	10	70	4	30.0	9.2	S53610.0XR2.0
12.00	2.00	12	12	75	4	30.0	11.0	S53612.0XR2.0

S229

HM



N

Z

2



S229

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S229 ■ 1.6 2.3 2.4 4.3 5.3



S229



1.50 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø _{h₆} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S229
1.50	0.75	4	3	40	2	6.0	1.4	S2291.5XD4
2.00	1.00	3	4	40	2	8.0	1.9	S2292.0XD3
2.00	1.00	4	4	40	2	8.0	1.9	S2292.0XD4
3.00	1.50	3	5	40	2	14.0	2.8	S2293.0XD3
3.00	1.50	6	5	50	2	14.0	2.8	S2293.0XD6
4.00	2.00	4	8	50	2	20.0	3.7	S2294.0XD4
4.00	2.00	6	8	50	2	20.0	3.7	S2294.0XD6
5.00	2.50	5	9	50	2	20.0	4.6	S2295.0XD5
5.00	2.50	6	9	50	2	20.0	4.6	S2295.0XD6
6.00	3.00	6	10	50	2	20.0	5.5	S2296.0
8.00	4.00	8	12	64	2	30.0	7.4	S2298.0
10.00	5.00	10	14	70	2	32.0	9.2	S22910.0
12.00	6.00	12	16	75	2	38.0	11.0	S22912.0
14.00	7.00	14	32	90	2	44.0	13.0	S22914.0
16.00	8.00	16	32	90	2	46.0	15.0	S22916.0

S231

HM



N

Z
2



S231

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S231 ■ 1.6 2.3 2.4 4.3 5.3



S231



1.50 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S231
1.50	0.75	4	3	75	2	10.0	1.4	S2311.5XD4
2.00	1.00	3	4	60	2	14.0	1.9	S2312.0XD3
2.00	1.00	4	4	75	2	14.0	1.9	S2312.0XD4
3.00	1.50	3	5	60	2	21.0	2.8	S2313.0XD3
3.00	1.50	6	5	75	2	21.0	2.8	S2313.0XD6
4.00	2.00	4	8	60	2	28.0	3.7	S2314.0XD4
4.00	2.00	6	8	75	2	28.0	3.7	S2314.0XD6
5.00	2.50	5	9	60	2	32.0	4.6	S2315.0
6.00	3.00	6	10	75	2	40.0	5.5	S2316.0
8.00	4.00	8	12	75	2	40.0	7.4	S2318.0
10.00	5.00	10	14	75	2	40.0	9.2	S23110.0
12.00	6.00	12	16	100	2	60.0	11.0	S23112.0
14.00	7.00	14	32	125	2	80.0	13.0	S23114.0
16.00	8.00	16	32	125	2	80.0	15.0	S23116.0

S233

HM



N

Z

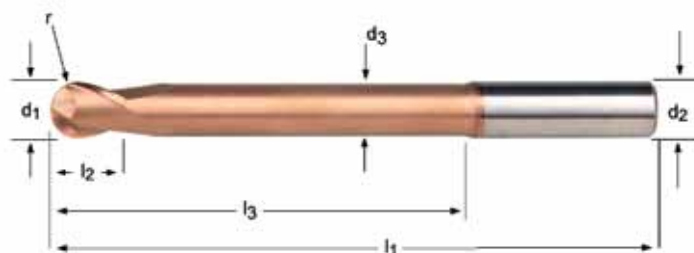
2



S233

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S233 ■ 1.6 2.3 2.4 4.3 5.3



S233



2.00 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø h_5 mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S233
2.00	1.00	3	4	100	2	20.0	1.9	S2332.0XD3
2.00	1.00	4	4	100	2	20.0	1.9	S2332.0XD4
3.00	1.50	3	5	100	2	30.0	2.8	S2333.0XD3
3.00	1.50	6	5	100	2	30.0	2.8	S2333.0XD6
4.00	2.00	4	8	100	2	40.0	3.7	S2334.0XD4
4.00	2.00	6	8	100	2	40.0	3.7	S2334.0XD6
5.00	2.50	5	9	100	2	50.0	4.6	S2335.0
6.00	3.00	6	10	100	2	60.0	5.5	S2336.0
8.00	4.00	8	12	100	2	60.0	7.4	S2338.0
10.00	5.00	10	14	125	2	85.0	9.2	S23310.0
12.00	6.00	12	16	125	2	85.0	11.0	S23312.0
14.00	7.00	14	32	150	2	110.0	13.0	S23314.0
16.00	8.00	16	32	150	2	110.0	15.0	S23316.0

S529

HM



N

Z

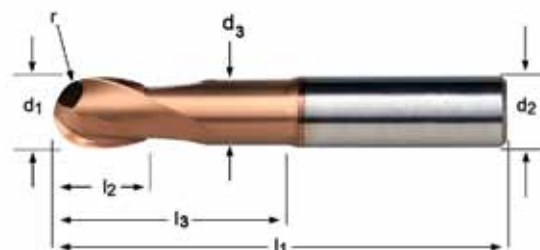
2



S529

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S529 ■ 1.7 1.8



S529



1.50 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Øh ₈ mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S529
1.50	0.75	6	3	50	2	6.0	1.4	S5291.5
2.00	1.00	4	4	40	2	8.0	1.9	S5292.0XD4
2.00	1.00	6	4	50	2	8.0	1.9	S5292.0XD6
3.00	1.50	3	5	40	2	14.0	2.8	S5293.0XD3
3.00	1.50	6	5	50	2	14.0	2.8	S5293.0XD6
4.00	2.00	4	8	50	2	20.0	3.7	S5294.0XD4
4.00	2.00	6	8	50	2	20.0	3.7	S5294.0XD6
5.00	2.50	5	9	50	2	20.0	4.6	S5295.0XD5
5.00	2.50	6	9	50	2	20.0	4.6	S5295.0XD6
6.00	3.00	6	10	50	2	20.0	5.5	S5296.0
8.00	4.00	8	12	64	2	30.0	7.4	S5298.0
10.00	5.00	10	14	70	2	32.0	9.2	S52910.0
12.00	6.00	12	16	75	2	38.0	11.0	S52912.0
14.00	7.00	14	32	90	2	44.0	13.0	S52914.0
16.00	8.00	16	32	90	2	46.0	15.0	S52916.0

S531

HM



N

Z

2



S531

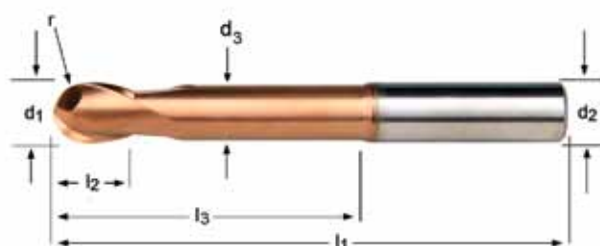
- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S531



1.7

1.8



S531



1.50 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S531
1.50	0.75	6	3	75	2	10.0	1.4	S5311.5
2.00	1.00	4	4	75	2	14.0	1.9	S5312.0XD4
2.00	1.00	6	4	75	2	14.0	1.9	S5312.0XD6
3.00	1.50	3	5	60	2	21.0	2.8	S5313.0XD3
3.00	1.50	6	5	75	2	21.0	2.8	S5313.0XD6
4.00	2.00	4	8	60	2	28.0	3.7	S5314.0XD4
4.00	2.00	6	8	75	2	28.0	3.7	S5314.0XD6
5.00	2.50	5	9	60	2	32.0	4.6	S5315.0XD5
5.00	2.50	6	9	75	2	32.0	4.6	S5315.0XD6
6.00	3.00	6	10	75	2	40.0	5.5	S5316.0
8.00	4.00	8	12	75	2	40.0	7.4	S5318.0
10.00	5.00	10	14	75	2	40.0	9.2	S53110.0
12.00	6.00	12	16	100	2	60.0	11.0	S53112.0
14.00	7.00	14	32	125	2	80.0	13.0	S53114.0
16.00	8.00	16	32	125	2	80.0	15.0	S53116.0

S533

HM



N

Z
2



λ 30°
 γ -10°

DIN
6535HA



h9



S533

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S533 ■ 1.7 1.8



S533



2.00 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S533
2.00	1.00	4	4	100	2	20.0	1.9	S5332.0XD4
2.00	1.00	6	4	100	2	20.0	1.9	S5332.0XD6
3.00	1.50	4	5	100	2	30.0	2.8	S5333.0XD4
3.00	1.50	6	5	100	2	30.0	2.8	S5333.0XD6
4.00	2.00	4	8	100	2	40.0	3.7	S5334.0XD4
4.00	2.00	6	8	100	2	40.0	3.7	S5334.0XD6
5.00	2.50	5	9	100	2	50.0	4.6	S5335.0XD5
5.00	2.50	6	9	100	2	50.0	4.6	S5335.0XD6
6.00	3.00	6	10	100	2	60.0	5.5	S5336.0
8.00	4.00	8	12	100	2	60.0	7.4	S5338.0
10.00	5.00	10	14	125	2	85.0	9.2	S53310.0
12.00	6.00	12	16	125	2	85.0	11.0	S53312.0
14.00	7.00	14	32	150	2	110.0	13.0	S53314.0
16.00	8.00	16	32	150	2	110.0	15.0	S53316.0

S501

HM



N

Z

2



S501

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S501	■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
		6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3	9.1									
	■	1.7																			



S501



1.00 - 16.00

d_1 Ø mm	r ±0.01 mm	d_2 Ø h_6 mm	l_2 mm	l_1 mm	z	S501
1.00	0.50	3	3	38	2	S5011.0
1.50	0.75	3	3	38	2	S5011.5
2.00	1.00	3	6	38	2	S5012.0
2.50	1.25	3	7	38	2	S5012.5
3.00	1.50	3	7	38	2	S5013.0
4.00	2.00	6	8	57	2	S5014.0
5.00	2.50	6	10	57	2	S5015.0
6.00	3.00	6	10	57	2	S5016.0
7.00	3.50	8	13	63	2	S5017.0
8.00	4.00	8	16	63	2	S5018.0
9.00	4.50	10	16	72	2	S5019.0
10.00	5.00	10	19	72	2	S50110.0
12.00	6.00	12	22	83	2	S50112.0
16.00	8.00	16	26	92	2	S50116.0

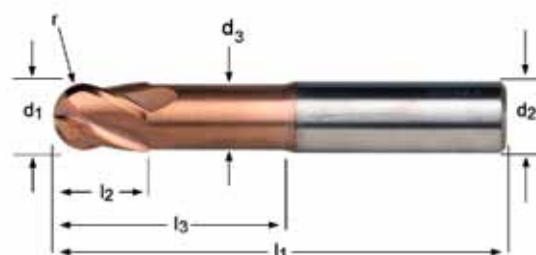
S534



S534

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S534 ■ 1.7 1.8



S534



3.00 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø _{h8} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S534
3.00	1.50	6	5	50	4	14.0	2.8	S5343.0
4.00	2.00	6	8	50	4	20.0	3.7	S5344.0
5.00	2.50	6	9	50	4	20.0	4.6	S5345.0
6.00	3.00	6	10	50	4	20.0	5.5	S5346.0
8.00	4.00	8	12	64	4	30.0	7.4	S5348.0
10.00	5.00	10	14	70	4	32.0	9.2	S53410.0
12.00	6.00	12	16	75	4	38.0	11.0	S53412.0
14.00	7.00	14	32	90	4	44.0	13.0	S53414.0
16.00	8.00	16	32	90	4	46.0	15.0	S53416.0

S535

HM



N

Z

4



S535

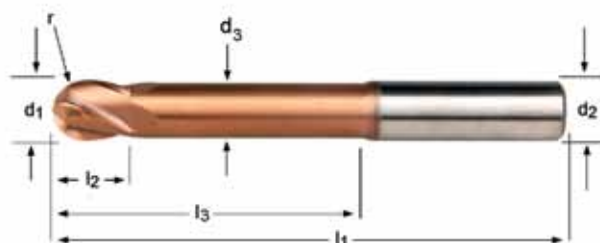
- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S535



1.7

1.8



S535



3.00 - 16.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø h_6 mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S535
3.00	1.50	6	5	75	4	21.0	2.8	S5353.0
4.00	2.00	6	8	75	4	28.0	3.7	S5354.0
5.00	2.50	6	9	75	4	32.0	4.6	S5355.0
6.00	3.00	6	10	75	4	40.0	5.5	S5356.0
8.00	4.00	8	12	75	4	40.0	7.4	S5358.0
10.00	5.00	10	14	75	4	40.0	9.2	S53510.0
12.00	6.00	12	16	100	4	60.0	11.0	S53512.0
14.00	7.00	14	32	125	4	80.0	13.0	S53514.0
16.00	8.00	16	32	125	4	80.0	15.0	S53516.0

S511



S511

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S511	▪	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	7.3
		7.4	8.2	8.3	9.1																
	•	1.7	6.1	6.2	6.3	6.4	7.1	7.2	8.1												



S511



3.00 - 16.00

d_1 Ø mm	r ±0.01 mm	d_2 Ø h_6 mm	l_2 mm	l_1 mm	z	S511
3.00	1.50	6	8	80	4	S5113.0
4.00	2.00	6	11	80	4	S5114.0
5.00	2.50	6	13	80	4	S5115.0
6.00	3.00	6	13	80	4	S5116.0
7.00	3.50	8	16	100	4	S5117.0
8.00	4.00	8	19	100	4	S5118.0
9.00	4.50	10	19	100	4	S5119.0
10.00	5.00	10	22	100	4	S51110.0
12.00	6.00	12	26	100	4	S51112.0
16.00	8.00	16	32	100	4	S51116.0

S629

HM



W

Z

2



S629

- Kopírovací frézy
- Ball Nose
- Frez kulisty
- Kopírovacie frézy

S629



6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2



S629



3.00 - 20.00

d_1 Ø mm	r +0/-0.02 mm	d_2 Ø mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	S629
3.00	1.50	6	5	57	2	20.0	2.8	S6293.0
4.00	2.00	6	6	57	2	20.0	3.7	S6294.0
5.00	2.50	6	7	57	2	20.0	4.6	S6295.0
6.00	3.00	6	8	57	2	20.0	5.5	S6296.0
8.00	4.00	8	10	64	2	25.0	7.4	S6298.0
10.00	5.00	10	12	75	2	35.0	9.2	S62910.0
12.00	6.00	12	14	75	2	35.0	11.0	S62912.0
16.00	8.00	16	18	90	2	45.0	15.0	S62916.0
20.00	10.00	20	22	100	2	50.0	19.0	S62920.0

S739	HM		N	Z 2		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlTiN	h9	
S740	HM		N	Z 2		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlTiN	h9	
S741	HM		N	Z 2		$\lambda 40^\circ$ $\gamma 10^\circ$	DIN 6535HA	AlTiN	h9	

- S739**
- Srážeci frézy - 60°
 - Фасочные концевые фрезы - 60°
 - Frez czołowo-walcowe do fazowania - 60°
 - Frézy na zrážanie hrán - 60°

- S740**
- Srážeci frézy - 90°
 - Фасочные концевые фрезы - 90°
 - Frez czołowo-walcowe do fazowania - 90°
 - Frézy na zrážanie hrán - 90°

- S741**
- Srážeci frézy - 120°
 - Фасочные концевые фрезы - 120°
 - Frez czołowo-walcowe do fazowania - 120°
 - Frézy na zrážanie hrán - 120°

S739; S740; S741	1.1	1.2	1.3	1.4	1.5	2.1	2.2	3.1	3.2	3.3	3.4	4.2	5.2	6.1	6.2	6.3	6.4
	7.1	7.2	7.3	7.4													



S739	S740	S741
3.00 - 20.00	3.00 - 20.00	3.00 - 20.00

d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	S739	S740	S741
3.00	3	9	40	2	S7393.0	S7403.0	S7413.0
4.00	4	12	50	2	S7394.0	S7404.0	S7414.0
5.00	5	15	50	2	S7395.0	S7405.0	S7415.0
6.00	6	16	50	2	S7396.0	S7406.0	S7416.0
8.00	8	20	64	2	S7398.0	S7408.0	S7418.0
10.00	10	22	70	2	S73910.0	S74010.0	S74110.0
12.00	12	25	75	2	S73912.0	S74012.0	S74112.0
16.00	16	32	90	2	S73916.0	S74016.0	S74116.0
20.00	20	38	100	2	S73920.0	S74020.0	S74120.0

S991

- Sada karbidových fréz
- Набор цельнотвердосплавных фрез
- Zestaw frezów węglkowych
- Karbidová fréza, sada

A=typy v sadě, B=počet v sadě, C=rozměry v sadě

A=фрезы в наборе, B=кол-во в наборе, C=диаметры в наборе

A=Typy w zestawie. B=Ilość w zestawie. C=Średnice występujące w zestawie

A=typy v sade, B=počet v sade, C=rozmery v sade



S991

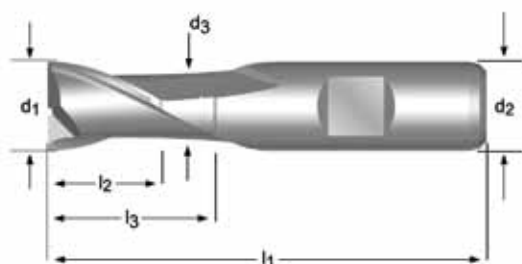
Set

				S991
Nr.	A	B	C	
922	S922	6	Ø 3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm	S991SET922
933	S933	6	Ø 3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm	S991SET933
944	S944	6	Ø 3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm	S991SET944

C110	HSS-E PM	P9	N	Z 2		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B		e8		DIN 327D
C126	HSS-E PM	P9	N	Z 2		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B	TICN	e8		DIN 327D

- C110**
- Drážk. frézy
 - Шпоночные фрезы
- C126**
- Frezy palcowe do rowków na wpusty
 - Drážkovacie frézy

C110	■	1.1	1.2	4.1	5.1	6.1	6.2	6.3								
	●	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1		
C126	■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3
	●	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1			



C110	C126
1.00 - 50.00	1.00 - 30.00

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø _{h6} mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C110	C126
	1.00	6	2.5	47	2	-	-	C1101.0	C1261.0
	1.50	6	3	47	2	-	-	C1101.5	C1261.5
1/16	1.59	6	3	47	2	-	-	C1101/16	
	1.80	6	4	48	2	-	-	C1101.8	
	2.00	6	4	48	2	-	-	C1102.0	C1262.0
3/32	2.38	6	5	49	2	-	-	C1103/32	
	2.50	6	5	49	2	-	-	C1102.5	C1262.5
	2.80	6	5	49	2	-	-	C1102.8	
	3.00	6	5	49	2	-	-	C1103.0	C1263.0
1/8	3.18	6	6	50	2	-	-	C1101/8	
	3.50	6	6	50	2	-	-	C1103.5	C1263.5
	3.80	6	7	51	2	-	-	C1103.8	
	4.00	6	7	51	2	-	-	C1104.0	C1264.0
	4.50	6	7	51	2	-	-	C1104.5	C1264.5
3/16	4.76	6	8	52	2	-	-	C1103/16	
	4.80	6	8	52	2	-	-	C1104.8	C1264.8
	5.00	6	8	52	2	-	-	C1105.0	C1265.0
	5.50	6	8	52	2	-	-	C1105.5	C1265.5
	5.75	6	8	52	2	-	-	C1105.75	C1265.75
	6.00	6	8	52	2	-	-	C1106.0	C1266.0
1/4	6.35	10	10	60	2	-	-	C1101/4	
	6.50	10	10	60	2	-	-	C1106.5	C1266.5
	6.75	10	10	60	2	-	-	C1106.75	
	7.00	10	10	60	2	-	-	C1107.0	C1267.0
	7.50	10	10	60	2	-	-	C1107.5	C1267.5
	7.75	10	11	61	2	-	-	C1107.75	C1267.75
5/16	7.94	10	11	61	2	-	-	C1105/16	
	8.00	10	11	61	2	-	-	C1108.0	C1268.0

²⁾ tolerance průměru h10 / допуск на диаметр h10 / Tolerancja średnicy h10 / tolerancia piemeru h10

³⁾ ± P9 tolerance / Обработка пазов с допуском P9 / ± P9 Tolerancja / ± P9 tolerancia

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C110	C126
	8.50	10	11	61	2	-	-	C1108.5	C1268.5
	9.00	10	11	61	2	-	-	C1109.0	C1269.0
	9.50	10	11	61	2	-	-	C1109.5	C1269.5
3/8	9.52	10	13	63	2	22.5	9.5	C1103/8	
	9.70	10	13	63	2	22.5	9.5	C1109.7 ²⁾³⁾	C1269.7 ²⁾³⁾
	10.00	10	13	63	2	22.5	9.5	C11010.0	C12610.0
13/32	10.32	12	13	70	2	-	-	C11013/32	
	10.50	12	13	70	2	-	-	C11010.5	C12610.5
	11.00	12	13	70	2	-	-	C11011.0	C12611.0
7/16	11.11	12	13	70	2	-	-	C1107/16	
	11.50	12	13	70	2	-	-	C11011.5	C12611.5
	11.70	12	16	73	2	27.5	11.5	C11011.7 ²⁾³⁾	C12611.7 ²⁾³⁾
	12.00	12	16	73	2	27.5	11.5	C11012.0	C12612.0
	12.50	12	16	73	2	27.5	11.5	C11012.5	C12612.5
1/2	12.70	12	16	73	2	27.5	11.5	C1101/2	
	13.00	12	16	73	2	27.5	11.5	C11013.0	C12613.0
17/32	13.49	12	16	73	2	27.5	11.5	C11017/32	
	13.70	12	16	73	2	27.5	11.5	C11013.7 ²⁾³⁾	C12613.7 ²⁾³⁾
	14.00	12	16	73	2	27.5	11.5	C11014.0	C12614.0
9/16	14.29	12	16	73	2	27.5	11.5	C1109/16	
	15.00	12	16	73	2	27.5	11.5	C11015.0	C12615.0
	15.70	16	19	79	2	30.5	15.5	C11015.7 ²⁾³⁾	C12615.7 ²⁾³⁾
5/8	15.88	16	19	79	2	30.5	15.5	C1105/8	
	16.00	16	19	79	2	30.5	15.5	C11016.0	C12616.0
	17.00	16	19	79	2	30.5	15.5	C11017.0	
11/16	17.46	16	19	79	2	30.5	15.5	C11011/16	
	17.70	16	19	79	2	30.5	15.5	C11017.7	
	18.00	16	19	79	2	30.5	15.5	C11018.0	C12618.0
	19.00	16	19	79	2	30.5	15.5	C11019.0	
3/4	19.05	20	22	88	2	37.5	18.5	C1103/4	
	19.70	20	22	88	2	37.5	19.5	C11019.7	
	20.00	20	22	88	2	37.5	19.5	C11020.0	C12620.0
	21.70	20	22	88	2	37.5	19.5	C11021.7	
	22.00	20	22	88	2	37.5	19.5	C11022.0	C12622.0
7/8	22.22	20	22	88	2	37.5	19.5	C1107/8	
	24.00	25	26	102	2	45.5	23.5	C11024.0	C12624.0
	24.70	25	26	102	2	45.5	24.5	C11024.7	
	25.00	25	26	102	2	45.5	24.5	C11025.0	C12625.0
1"	25.40	25	26	102	2	45.5	24.5	C1101	
	26.00	25	26	102	2	45.5	24.5	C11026.0	
	28.00	25	26	102	2	45.5	24.5	C11028.0	
1.1/8	28.58	25	26	102	2	45.5	24.5	C1101.1/8	
	30.00	25	26	102	2	45.5	24.5	C11030.0	C12630.0
1.1/4	31.75	32	32	112	2	51.5	31.5	C1101.1/4	
	32.00	32	32	112	2	51.5	31.5	C11032.0	
	35.00	32	32	112	2	51.5	31.5	C11035.0 ²⁾⁴⁾	
	36.00	32	32	112	2	51.5	31.5	C11036.0 ²⁾⁴⁾	
1.1/2	38.10	40	38	130	2	55.5	37.0	C1101.1/2 ²⁾⁴⁾	
	40.00	40	38	130	2	59.5	39.0	C11040.0 ²⁾⁴⁾	
1.3/4	44.45	40	38	130	2	59.5	38.0	C1101.3/4 ²⁾⁴⁾	
	45.00	40	38	130	2	59.5	38.0	C11045.0 ²⁾⁴⁾	
	50.00	50	45	147	2	66.5	48.0	C11050.0 ²⁾⁴⁾	

²⁾ tolerance průměru h10 / допуск на диаметр h10 / Tolerancja średnicy h10 / tolerancia piemeru h10

³⁾ ≠ P9 tolerance / Обработка пазов с допуском P9 / ≠ P9 Tolerancja / ≠ P9 tolerancia

⁴⁾ Pouze HSS-E. / Заказ только исполнении из быстрорежущей стали / Dostępne tylko jako HSS-E / Iba HSS-E

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø _{h₆} mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C123	C139
1/2	12.70	12	26	83	2	37.5	11.5	C1231/2 ⁴⁾	
	13.00	12	26	83	2	37.5	11.5	C12313.0	C13913.0
	14.00	12	26	83	2	37.5	11.5	C12314.0	C13914.0
9/16	14.29	12	26	83	2	37.5	11.5	C1239/16 ⁴⁾	
	15.00	12	26	83	2	37.5	11.5	C12315.0	C13915.0
5/8	15.88	16	32	92	2	43.5	15.5	C1235/8 ⁴⁾	
	16.00	16	32	92	2	43.5	15.5	C12316.0	C13916.0
	18.00	16	32	92	2	43.5	15.5	C12318.0	C13918.0
3/4	19.05	20	38	104	2	53.5	18.5	C1233/4 ⁵⁾	
	20.00	20	38	104	2	53.5	19.5	C12320.0	C13920.0
	22.00	20	38	104	2	53.5	19.5	C12322.0	C13922.0
	25.00	25	45	121	2	64.5	24.5	C12325.0	C13925.0
1"	25.40	25	45	121	2	64.5	24.5	C1231	
	30.00	25	45	121	2	64.5	24.5	C12330.0	C13930.0
	32.00	32	53	133	2	72.5	31.5	C12332.0	
	36.00	32	53	133	2	72.5	31.5	C12336.0 ⁶⁾	
1.1/2	38.10	40	63	155	2	84.5	37.0	C1231.1/2 ⁶⁾⁵⁾	
	40.00	40	63	155	2	84.5	39.0	C12340.0 ⁶⁾	

⁴⁾ tolerance průměru - .0005" / -.0013" / допуск на диаметр -0.0005 дюйма / -0.0013 дюйма / Tolerancja średnicy -.0005 cala/ -.0013 cala / tolerancia priemeru - .0005" / -.0013"

⁵⁾ tolerance průměru - .0005" / -.0015" / допуск на диаметр -0.0005 дюйма / -0.0015 дюйма / tolerancja średnicy-.0005 cala/ -.0015 cala / tolerancia priemeru - .0005" / -.0015"

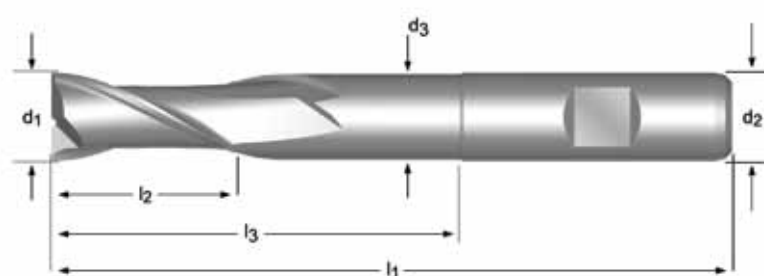
⁶⁾ Pouze HSS-E. / Заказ только на исполнение из быстрорежущей стали / Dostępne tylko jako HSS-E / Iba HSS-E

C135


- Drážk. frézy
- Шпоночные фрезы
- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

C135
C135

■	1.1	1.2	5.1	6.1	6.2	6.3								
●	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.1	4.2	5.2	7.1	7.2	7.3	8.1


C135


2.00 - 30.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C135
2.00	6	7	54	2	18.0	1.8	C1352.0
3.00	6	8	56	2	20.0	2.8	C1353.0
4.00	6	11	63	2	27.0	3.7	C1354.0
5.00	6	13	68	2	32.0	4.7	C1355.0
6.00	6	13	68	2	32.0	5.7	C1356.0
7.00	10	16	80	2	40.0	6.5	C1357.0
8.00	10	19	88	2	48.0	7.5	C1358.0
9.00	10	19	88	2	48.0	8.5	C1359.0
10.00	10	22	95	2	54.5	9.5	C13510.0
11.00	12	22	102	2	57.0	10.5	C13511.0
12.00	12	26	110	2	64.5	11.5	C13512.0
13.00	12	26	110	2	64.5	11.5	C13513.0
14.00	12	26	110	2	64.5	11.5	C13514.0
15.00	12	26	110	2	64.5	11.5	C13515.0
16.00	16	32	123	2	74.5	15.5	C13516.0
17.00	16	32	123	2	74.5	15.5	C13517.0
18.00	16	32	123	2	74.5	15.5	C13518.0
19.00	16	32	123	2	74.5	15.5	C13519.0
20.00	20	38	141	2	90.5	19.5	C13520.0
25.00	25	45	166	2	109.5	24.5	C13525.0
30.00	25	45	166	2	109.5	24.5	C13530.0

C306



N

Z

 $\lambda 30^\circ$
 $\mu 42^\circ$ 

e8

DIN
227D

C353



N

Z

 $\lambda 30^\circ$
 $\mu 12^\circ$ 

e8

DIN
227D

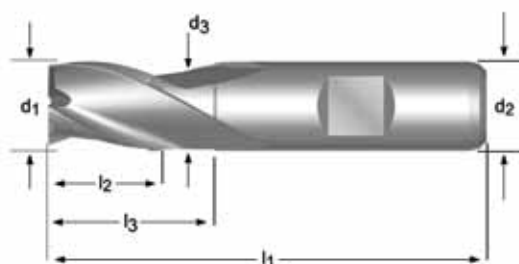
C306

- Drážk. frézy
- Шпоночные фрезы

C353

- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

C306	■	1.2	1.3	4.1	5.1	6.1	6.2	6.3										
	●	1.1	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.2	7.3	8.1					
C353	■	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3		
	●	1.1	1.6	2.1	2.2	2.3	4.3	5.3	6.4	7.2	7.3	7.4	8.1					



C306



3.00 - 30.00

C353



3.00 - 30.00

d ₁ Ø mm	d ₂ Øh ₈ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C306	C353
3.00	6	5	49	3	-	-	C3063.0	C3533.0
3.50	6	6	50	3	-	-	C3063.5	C3533.5
4.00	6	7	51	3	-	-	C3064.0	C3534.0
4.50	6	7	51	3	-	-	C3064.5	C3534.5
4.80	6	8	52	3	-	-	C3064.8	C3534.8
5.00	6	8	52	3	-	-	C3065.0	C3535.0
5.50	6	8	52	3	-	-	C3065.5	C3535.5
5.75	6	8	52	3	-	-	C3065.75	C3535.75
6.00	6	8	52	3	-	-	C3066.0	C3536.0
6.50	10	10	60	3	-	-	C3066.5	C3536.5
7.00	10	10	60	3	-	-	C3067.0	C3537.0
7.50	10	10	60	3	-	-	C3067.5	C3537.5
7.75	10	11	61	3	-	-	C3067.75	C3537.75
8.00	10	11	61	3	-	-	C3068.0	C3538.0
8.50	10	11	61	3	-	-	C3068.5	C3538.5
9.00	10	11	61	3	-	-	C3069.0	C3539.0
9.50	10	11	61	3	-	-	C3069.5	C3539.5
9.70	10	13	63	3	22.5	9.5	C3069.7	C3539.7
10.00	10	13	63	3	22.5	9.5	C30610.0	C35310.0
11.00	12	13	70	3	-	-	C30611.0	C35311.0
11.70	12	16	73	3	27.5	11.5	C30611.7	C35311.7
12.00	12	16	73	3	27.5	11.5	C30612.0	C35312.0
13.00	12	16	73	3	27.5	11.5	C30613.0	C35313.0
13.70	12	16	73	3	27.5	11.5	C30613.7	C35313.7
14.00	12	16	73	3	27.5	11.5	C30614.0	C35314.0
15.00	12	16	73	3	27.5	11.5	C30615.0	C35315.0
15.70	16	19	79	3	30.5	15.5	C30615.7	C35315.7
16.00	16	19	79	3	30.5	15.5	C30616.0	C35316.0
18.00	16	19	79	3	30.5	15.5	C30618.0	C35318.0
19.00	16	19	79	3	30.5	15.5	C30619.0	
19.70	20	22	88	3	37.5	19.5	C30619.7	C35319.7

d_1 Ø mm	d_2 Ø _{h₅} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C306	C353
20.00	20	22	88	3	37.5	19.5	C30620.0	C35320.0
22.00	20	22	88	3	37.5	19.5	C30622.0	C35322.0
25.00	25	26	102	3	45.5	24.5	C30625.0	C35325.0
28.00	25	26	102	3	45.5	24.5	C30628.0	C35328.0
30.00	25	26	102	3	45.5	24.5	C30630.0	C35330.0

C367

HSS-E
PM

P9

N

Z
3



λ 40°
 γ 15°

DIN
1835B

Alcrona

e8

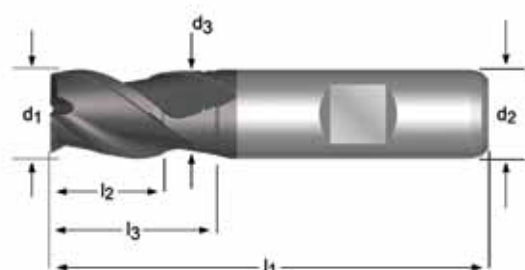


DIN
327D

C367

- Drážk. frézy
- Шпоночные фрезы
- Frezy palcowe do rowków na wpusty
- Drážkovacie frézy

C367	■	1.1	1.2	2.1	2.2	2.3	2.4	6.1	7.1	
	●	1.3	1.4	4.1	5.1	6.2	6.3	7.2	7.3	8.1



C367



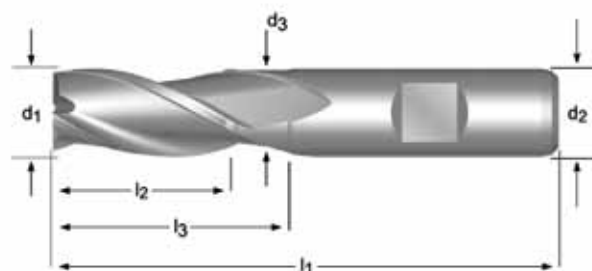
2.00 - 20.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C367
2.00	6	4	48	3	-	-	C3672.0
3.00	6	5	49	3	-	-	C3673.0
4.00	6	7	51	3	-	-	C3674.0
5.00	6	8	52	3	-	-	C3675.0
6.00	6	8	52	3	-	-	C3676.0
7.00	10	10	60	3	-	-	C3677.0
8.00	10	11	61	3	-	-	C3678.0
9.00	10	11	61	3	-	-	C3679.0
10.00	10	13	63	3	22.5	9.5	C36710.0
11.00	12	13	70	3	-	-	C36711.0
12.00	12	16	73	3	27.5	11.5	C36712.0
13.00	12	16	73	3	27.5	11.5	C36713.0
14.00	12	16	73	3	27.5	11.5	C36714.0
15.00	12	16	73	3	27.5	11.5	C36715.0
16.00	16	19	79	3	30.5	15.5	C36716.0
18.00	16	19	79	3	30.5	15.5	C36718.0
20.00	20	22	88	3	37.5	19.5	C36720.0



- C305**
- Drážk. frézy
 - Шпоночные фрезы
- C352**
- Frezy palcowe do rowków na wpusty
 - Drážkovacie frézy

C305	■	1.2	1.3	4.1	5.1	5.2	6.1	6.2	6.3									
	●	1.1	1.4	2.1	3.1	3.2	3.3	3.4	4.2	7.2	7.3	8.1						
C352	■	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3		
	●	1.1	1.6	2.1	2.2	2.3	4.3	5.3	6.4	7.2	7.3	7.4	8.1					

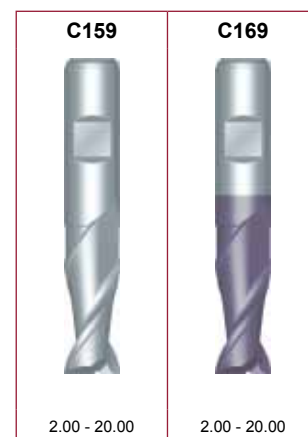
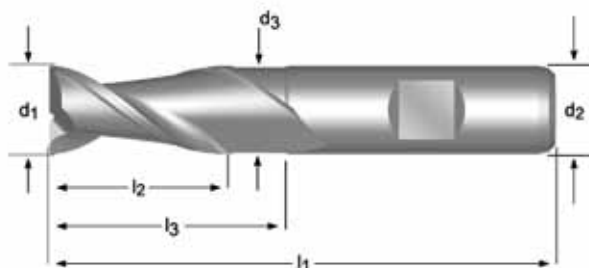


d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C305	C352
2.00	6	7	51	3	-	-	C3052.0	
2.50	6	8	52	3	-	-	C3052.5	
3.00	6	8	52	3	-	-	C3053.0	C3523.0
3.50	6	10	54	3	-	-	C3053.5	
4.00	6	11	55	3	-	-	C3054.0	C3524.0
4.50	6	11	55	3	-	-	C3054.5	
5.00	6	13	57	3	-	-	C3055.0	C3525.0
5.50	6	13	57	3	-	-	C3055.5	
6.00	6	13	57	3	-	-	C3056.0	C3526.0
6.50	10	16	66	3	-	-	C3056.5	
7.00	10	16	66	3	-	-	C3057.0	
7.50	10	16	66	3	-	-	C3057.5	
8.00	10	19	69	3	-	-	C3058.0	C3528.0
8.50	10	19	69	3	-	-	C3058.5	
9.00	10	19	69	3	-	-	C3059.0	
10.00	10	22	72	3	31.5	9.5	C30510.0	C35210.0
11.00	12	22	79	3	-	-	C30511.0	
12.00	12	26	83	3	37.5	11.5	C30512.0	C35212.0
13.00	12	26	83	3	37.5	11.5	C30513.0	
14.00	12	26	83	3	37.5	11.5	C30514.0	C35214.0
15.00	12	26	83	3	37.5	11.5	C30515.0	
16.00	16	32	92	3	43.5	15.5	C30516.0	C35216.0
17.00	16	32	92	3	43.5	15.5	C30517.0	
18.00	16	32	92	3	43.5	15.5	C30518.0	C35218.0
19.00	16	32	92	3	43.5	15.5	C30519.0	
20.00	20	38	104	3	53.5	19.5	C30520.0	C35220.0
22.00	20	38	104	3	53.5	19.5	C30522.0	
25.00	25	45	121	3	-	-	C30525.0	
28.00	25	45	121	3	-	-	C30528.0	
30.00	25	45	121	3	-	-	C30530.0	
32.00	32	53	133	3	-	-	C30532.0	

C159	HSS-E	P9	W	Z 2		$\lambda 40^\circ$ $\gamma 20^\circ$	DIN 1835B		e8		DIN 844K
C169	HSS-E	P9	W	Z 2		$\lambda 40^\circ$ $\gamma 20^\circ$	DIN 1835B	TiCN	e8		DIN 844K

- C159**
- Drážk. frézy
 - Шпоночные фрезы
- C169**
- Frezy palcowe do rowków na wpusty
 - Drážkovacie frézy

C159	▪	1.1	6.1	6.2	6.3	7.1	7.2	7.3	8.1	8.2	
	•	1.2	1.3	2.1	2.2	4.1	5.1				
C169	▪	1.1	1.2	6.1	6.2	6.3	7.1	7.2	7.3	8.1	8.2
	•	1.3	2.1	2.2	2.3	4.1	4.2	5.1	5.2		

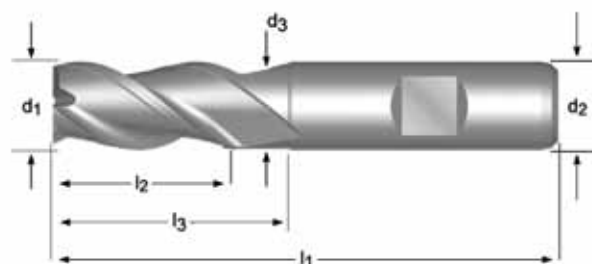


d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C159	C169
2.00	6	7	51	2	-	-	C1592.0	C1692.0
3.00	6	8	52	2	-	-	C1593.0	C1693.0
4.00	6	11	55	2	-	-	C1594.0	C1694.0
5.00	6	13	57	2	-	-	C1595.0	C1695.0
6.00	6	13	57	2	-	-	C1596.0	C1696.0
7.00	10	16	66	2	-	-	C1597.0	C1697.0
8.00	10	19	69	2	-	-	C1598.0	C1698.0
10.00	10	22	72	2	-	-	C15910.0	C16910.0
11.00	12	22	79	2	-	-	C15911.0	
12.00	12	26	83	2	-	-	C15912.0	C16912.0
14.00	12	26	83	2	37.5	11.5	C15914.0	C16914.0
16.00	16	32	92	2	43.5	15.5	C15916.0	C16916.0
18.00	16	32	92	2	43.5	15.5	C15918.0	C16918.0
20.00	20	38	104	2	53.5	19.5	C15920.0	C16920.0

C336	HSS-E PM		W	Z 3		$\lambda 40^\circ$ $\gamma 25^\circ$	DIN 1835B		k10		DIN 844K
C358	HSS-E PM		W	Z 3		$\lambda 40^\circ$ $\gamma 25^\circ$	DIN 1835B	Alcra	k10		DIN 844K

- C336**
- Stopkové frézy
 - Концевые фрезы
- C358**
- Frezy walcowo-czołowe
 - Stopkové frézy

C336	■	6.1	6.2	6.3	7.1	7.2	7.3	8.1	8.2		
	•	1.1	1.2	1.3	2.1	2.2	4.1	5.1			
C358	■	1.2	6.1	6.2	6.3	7.1	7.2	7.3	7.4	8.1	8.2
	•	1.1	1.3	2.1	2.2	2.3	4.1	4.2	5.1	5.2	



C336	C358
	
10.00 - 30.00	10.00 - 30.00

d_1 Ø mm	d_2 Øh ₆ mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C336	C358
10.00	10	22	72	3	31.5	9.5	C33610.0	C35810.0
12.00	12	26	83	3	37.5	11.5	C33612.0	C35812.0
14.00	12	26	83	3	37.5	11.5	C33614.0	C35814.0
15.00	12	26	83	3	37.5	11.5	C33615.0	
16.00	16	32	92	3	43.5	15.5	C33616.0	C35816.0
18.00	16	32	92	3	43.5	15.5	C33618.0	C35818.0
20.00	20	38	104	3	53.5	19.5	C33620.0	C35820.0
22.00	20	38	104	3	53.5	19.5	C33622.0	C35822.0
25.00	25	45	121	3	64.5	24.5	C33625.0	C35825.0
30.00	25	45	121	3	64.5	24.5	C33630.0	C35830.0

C122

HSS-E



N

Z

2


 $\lambda 30^\circ$
 $\gamma 12^\circ$

DIN
1835A


e8



DORMER

C122

- Stopkové frézy
- Концевые фрезы
- Frezy walcowo-czołowe
- Stopkové frézy

C122

▪

1.1

1.2

5.1

6.1

6.2

6.3

•

1.3

1.4

2.1

3.1

3.2

3.3

3.4

4.1

4.2

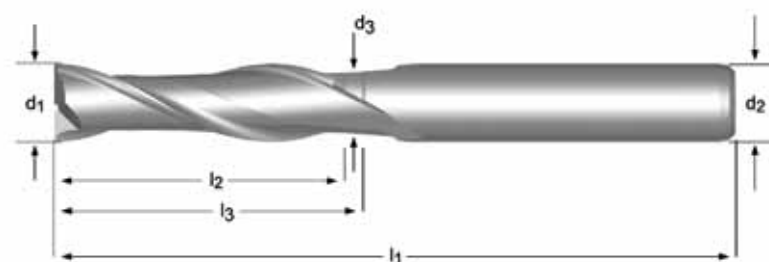
5.2

7.1

7.2

7.3

8.1


C122

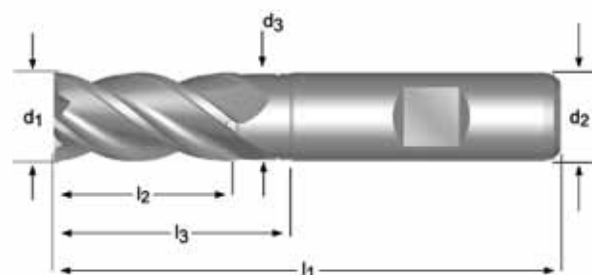

5.00 - 30.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C122
5.00	5	22	65	2	-	-	C1225.0
6.00	6	27	75	2	-	-	C1226.0
7.00	8	33	85	2	-	-	C1227.0
8.00	8	33	85	2	-	-	C1228.0
10.00	10	40	95	2	-	-	C12210.0
12.00	12	45	110	2	-	-	C12212.0
14.00	12	52	125	2	-	-	C12214.0
16.00	16	58	140	2	69.5	15.5	C12216.0
18.00	16	65	150	2	76.5	15.5	C12218.0
20.00	20	70	160	2	85.5	19.5	C12220.0
22.00	20	75	170	2	90.5	19.5	C12222.0
25.00	25	82	185	2	101.5	24.5	C12225.0
30.00	25	90	205	2	109.5	24.5	C12230.0

C299	HSS-E PM		N	Z 3-5		$\lambda 45^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844K
C907	HSS-E PM		N	Z 3-6		$\lambda 45^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844K

- C299**
- Stopkové frézy
 - Концевые фрезы
- C907**
- Frezy walcowo-czołowe
 - Stopkové frézy

C299	■	1.3	1.4	1.5	2.1	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.2	7.4		
	•	1.6	2.2	4.1															
C907	■	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.2	7.4
	•	4.1																	



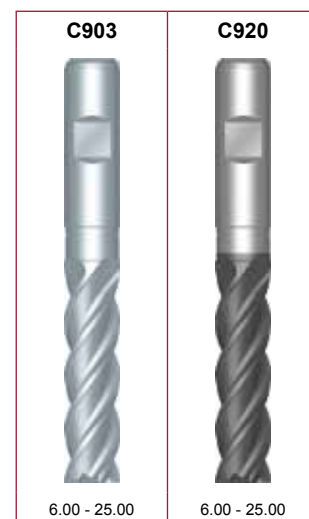
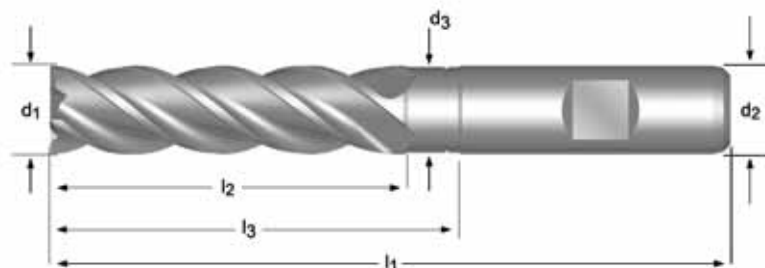
C299	C907
3.00 - 25.00	3.00 - 32.00

d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C299	C907
3.00	6	8	52	3	-	-	C2993.0	C9073.0
4.00	6	11	55	3	-	-	C2994.0	C9074.0
5.00	6	13	57	3	-	-	C2995.0	C9075.0
6.00	6	13	57	3	-	-	C2996.0	C9076.0
8.00	10	19	69	4	-	-	C2998.0	C9078.0
10.00	10	22	72	4	31.5	9.5	C29910.0	C90710.0
12.00	12	26	83	4	37.5	11.5	C29912.0	C90712.0
14.00	12	26	83	4	37.5	11.5	C29914.0	C90714.0
16.00	16	32	92	4	43.5	15.5	C29916.0	C90716.0
18.00	16	32	92	4	43.5	15.5	C29918.0	C90718.0
20.00	20	38	104	4	53.5	19.5	C29920.0	C90720.0
22.00	20	38	104	5	53.5	19.5		C90722.0
25.00	25	45	121	5	64.5	24.5	C29925.0	C90725.0
28.00	25	45	121	6	64.5	24.5		C90728.0
30.00	25	45	121	6	64.5	24.5		C90730.0
32.00	32	53	133	6	72.5	31.5		C90732.0

C903	HSS-E PM		N	Z 3-5		$\lambda 45^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844L
C920	HSS-E PM		N	Z 3-5		$\lambda 45^\circ$ $\gamma 12^\circ$	DIN 1835B	Alcra	k10		DIN 844L

- C903**
- Stopkové frézy
 - Концевые фрезы
- C920**
- Frezy walcowo-czołowe
 - Stopkové frézy

C903	▪	1.3	1.4	1.5	2.1	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.2	7.4		
	•	1.6	2.2	4.1															
C920	▪	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.2	7.4
	•	4.1																	

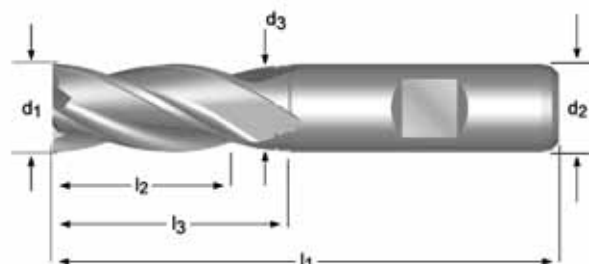


d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C903	C920
6.00	6	24	68	3	-	-	C9036.0	C9206.0
8.00	10	38	88	4	-	-	C9038.0	C9208.0
10.00	10	45	95	4	54.5	9.5	C90310.0	C92010.0
12.00	12	53	110	4	64.5	11.5	C90312.0	C92012.0
14.00	12	53	110	4	64.5	11.5	C90314.0	C92014.0
16.00	16	63	123	4	74.5	15.5	C90316.0	C92016.0
18.00	16	63	123	4	74.5	15.5	C90318.0	C92018.0
20.00	20	75	141	4	90.5	19.5	C90320.0	C92020.0
22.00	22	75	141	5	90.5	19.5	C90322.0	C92022.0
25.00	25	90	166	5	109.5	24.5	C90325.0	C92025.0

C247	HSS-E PM		N	Z 4-8		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844K
C246	HSS-E PM		N	Z 4-6		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844K

- C247**
- Stopkové frézy
 - Концевые фрезы
- C246**
- Frezy walcowo-czołowe
 - Stopkové frézy

C247	■	1.1	1.2	1.3	4.1	5.1	6.1	6.2	6.3											
	•	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1							
C246	■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3				
	•	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1							



C247	C246
2.00 - 50.00	2.00 - 32.00

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C247	C246
	2.00	6	7	51	4	-	-	C2472.0	C2462.0
	2.50	6	8	52	4	-	-	C2472.5	
	3.00	6	8	52	4	-	-	C2473.0	C2463.0
1/8	3.18	6	10	54	4	-	-	C2471/8 ¹⁾	
	3.50	6	10	54	4	-	-	C2473.5	
	4.00	6	11	55	4	-	-	C2474.0	C2464.0
	4.50	6	11	55	4	-	-	C2474.5	
3/16	4.76	6	13	57	4	-	-	C2473/16 ¹⁾	
	5.00	6	13	57	4	-	-	C2475.0	C2465.0
	5.50	6	13	57	4	-	-	C2475.5	
	6.00	6	13	57	4	-	-	C2476.0	C2466.0
1/4	6.35	10	16	66	4	-	-	C2471/4 ¹⁾	
	6.50	10	16	66	4	-	-	C2476.5	
	7.00	10	16	66	4	-	-	C2477.0	C2467.0
	7.50	10	16	66	4	-	-	C2477.5	
5/16	7.94	10	19	69	4	-	-	C2475/16 ¹⁾	
	8.00	10	19	69	4	-	-	C2478.0	C2468.0
	8.50	10	19	69	4	-	-	C2478.5	
	9.00	10	19	69	4	-	-	C2479.0	C2469.0
	9.50	10	19	69	4	-	-	C2479.5	
3/8	9.52	10	22	72	4	31.5	9.5	C2473/8 ¹⁾	
	10.00	10	22	72	4	31.5	9.5	C24710.0	C24610.0
	11.00	12	22	79	4	-	-	C24711.0	C24611.0
	12.00	12	26	83	4	37.5	11.5	C24712.0	C24612.0
1/2	12.70	12	26	83	4	37.5	11.5	C2471/2 ¹⁾	
	13.00	12	26	83	4	37.5	11.5	C24713.0	C24613.0

¹⁾ tolerance průměru + .0025" / -.0005" / допуск на диаметр +0.0025 дюйма / -0.0005 дюйма / Tolerancja średnicy +.0025 cala / -.0005 cala / tolerancia priemeru + .0025" / -.0005" / tolerancia premera +.0025 col / -.0005 col

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C247	C246
	14.00	12	26	83	4	37.5	11.5	C24714.0	C24614.0
9/16	14.29	12	26	83	4	37.5	11.5	C2479/16 ¹⁾	
	15.00	12	26	83	4	37.5	11.5	C24715.0	C24615.0
5/8	15.88	16	32	92	4	43.5	15.5	C2475/8 ¹⁾	
	16.00	16	32	92	4	43.5	15.5	C24716.0	C24616.0
	17.00	16	32	92	4	43.5	15.5	C24717.0	
	18.00	16	32	92	4	43.5	15.5	C24718.0	C24618.0
	19.00	16	32	92	4	43.5	15.5	C24719.0	
3/4	19.05	20	38	104	4	53.5	18.5	C2473/4 ¹⁾	
	20.00	20	38	104	4	53.5	19.5	C24720.0	C24620.0
	21.00	20	38	104	4	53.5	19.5	C24721.0	
	22.00	20	38	104	5	53.5	19.5	C24722.0	C24622.0
7/8	22.22	20	38	104	5	53.5	19.5	C2477/8 ¹⁾	
	23.00	20	38	104	5	53.5	19.5	C24723.0	
	24.00	25	45	121	5	64.5	23.5	C24724.0	
	25.00	25	45	121	5	64.5	24.5	C24725.0	C24625.0
1"	25.40	25	45	121	5	64.5	24.5	C2471 ¹⁾	
	26.00	25	45	121	6	64.5	24.5	C24726.0	
	28.00	25	45	121	6	64.5	24.5	C24728.0	C24628.0
	30.00	25	45	121	6	64.5	24.5	C24730.0	C24630.0
	32.00	32	53	133	6	72.5	31.5	C24732.0	C24632.0
	36.00	32	53	133	6	72.5	31.5	C24736.0 ²⁾³⁾	
	40.00	40	63	155	6	84.5	39.0	C24740.0 ²⁾³⁾	
	50.00	50	75	177	8	96.5	48.0	C24750.0 ²⁾³⁾	

¹⁾ tolerance průměru + .0025" / -.0005" / допуск на диаметр +0.0025 дюйма / -0.0005 дюйма / Tolerancja średnicy +.0025 cala / -.0005 cala / tolerancia priemeru + .0025" / -.0005" / toleranca premera +.0025 col / -.0005 col

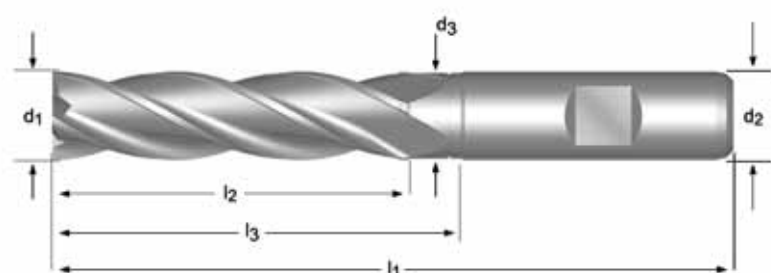
²⁾ Bez středícího břitu / Без перекрытия центра / Bez ostrza centralnego / Bez strediaceho britu

³⁾ Pouze HSS-E. / Возможен заказ исполнения только из быстрорежущей стали / Dostępne tylko jako HSS-E / Iba HSCo / Dobavljiv samo HSS-E

C273	HSS-E PM		N	Z 4-6		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844L
C295	HSS-E PM		N	Z 4-6		$\lambda 30^\circ$ $\gamma 12^\circ$	DIN 1835B		k10		DIN 844L

- C273**
- Stopkové frézy
 - Концевые фрезы
- C295**
- Frezy walcowo-czołowe
 - Stopkové frézy

C273	■	1.1	1.2	1.3	4.1	5.1	6.1	6.2	6.3												
	•	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1								
C295	■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3					
	•	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1								



d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø _{h₆} mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C273	C295
	2.00	6	10	54	4	-	-	C2732.0	C2952.0
	2.50	6	12	56	4	-	-	C2732.5	
	3.00	6	12	56	4	-	-	C2733.0	C2953.0
1/8	3.18	6	15	59	4	-	-	C2731/8	¹⁾
	3.50	6	15	59	4	-	-	C2733.5	
	4.00	6	19	63	4	-	-	C2734.0	C2954.0
	4.50	6	19	63	4	-	-	C2734.5	
3/16	4.76	6	24	68	4	-	-	C2733/16	¹⁾
	5.00	6	24	68	4	-	-	C2735.0	C2955.0
	5.50	6	24	68	4	-	-	C2735.5	
	6.00	6	24	68	4	-	-	C2736.0	C2956.0
1/4	6.35	10	30	80	4	-	-	C2731/4	¹⁾
	7.00	10	30	80	4	-	-	C2737.0	C2957.0
	8.00	10	38	88	4	-	-	C2738.0	C2958.0
	9.00	10	38	88	4	-	-	C2739.0	C2959.0
3/8	9.52	10	45	95	4	54.5	9.5	C2733/8	¹⁾
	10.00	10	45	95	4	54.5	9.5	C27310.0	C29510.0
	11.00	12	45	102	4	-	-	C27311.0	C29511.0
	12.00	12	53	110	4	64.5	11.5	C27312.0	C29512.0
1/2	12.70	12	53	110	4	64.5	11.5	C2731/2	¹⁾
	13.00	12	53	110	4	64.5	11.5	C27313.0	C29513.0
	14.00	12	53	110	4	64.5	11.5	C27314.0	C29514.0
	15.00	12	53	110	4	64.5	11.5	C27315.0	C29515.0
5/8	15.88	16	63	123	4	74.5	15.5	C2735/8	¹⁾

¹⁾ tolerance průměru + .0025" / -.0005" / допуск на диаметр +0.0025 дюйма / -0.0005 дюйма / Tolerancja średnicy +.0025 cala / -.0005 cala / tolerancia priemeru + .0025" / -.0005" / tolerancia premera +.0025 col / -.0005 col

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C273	C295
	16.00	16	63	123	4	74.5	15.5	C27316.0	C29516.0
	18.00	16	63	123	4	74.5	15.5	C27318.0	C29518.0
3/4	19.05	20	75	141	4	90.5	18.5	C2733/4 ¹⁾	
	20.00	20	75	141	4	90.5	19.5	C27320.0	C29520.0
	22.00	20	75	141	5	90.5	19.5	C27322.0	C29522.0
7/8	22.22	20	75	141	5	90.5	19.5	C2737/8 ¹⁾	
	25.00	25	90	166	5	109.5	24.5	C27325.0	C29525.0
1"	25.40	25	90	166	5	109.5	24.5	C2731 ¹⁾	
	28.00	25	90	166	6	109.5	24.5	C27328.0	C29528.0
	30.00	25	90	166	6	109.5	24.5	C27330.0	C29530.0
	32.00	32	106	186	6	125.5	31.5	C27332.0	C29532.0
	36.00	32	106	186	6	125.5	31.5	C27336.0 ²⁾³⁾	
1.1/2	38.10	40	125	217	6	146.5	37.0	C2731.1/2 ¹⁾²⁾³⁾	
	40.00	40	125	217	6	146.5	39.0	C27340.0 ²⁾³⁾	C29540.0 ²⁾³⁾

¹⁾ tolerance průměru + .0025" / -.0005" / допуск на диаметр +0.0025 дюйма / -0.0005 дюйма / Tolerancja średnicy +.0025 cala/ -.0005 cala / tolerancia priemeru + .0025" / -.0005" / toleranca premera +.0025 col / -.0005 col

²⁾ Bez středícího břítu / Без перекрытия центра / Bez ostrza centralnego / Bez strediaceho břitú

³⁾ Pouze HSCo. / Возможен заказ исполнения только из быстрорежущей стали / Dostępne tylko jako HSCo / Iba HSCo / Dobavljiv samoHSCo

C166

HSS-E



W

Z

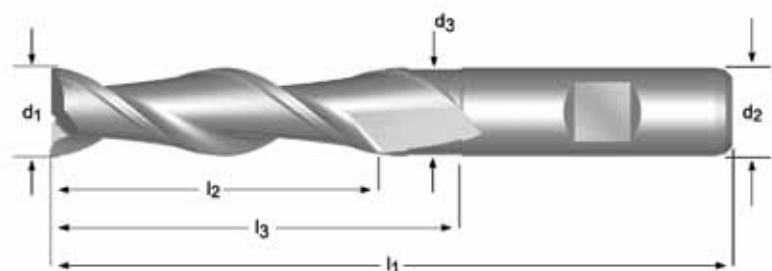
2


C166

- Stopkové frézy
- Концевые фрезы
- Frezy walcowo-czołowe
- Stopkové frézy

C166

■	1.1	6.1	6.2	6.3	7.1	7.2	7.3	8.1	8.2
•	1.2	1.3	2.1	2.2	4.1	5.1			


C166

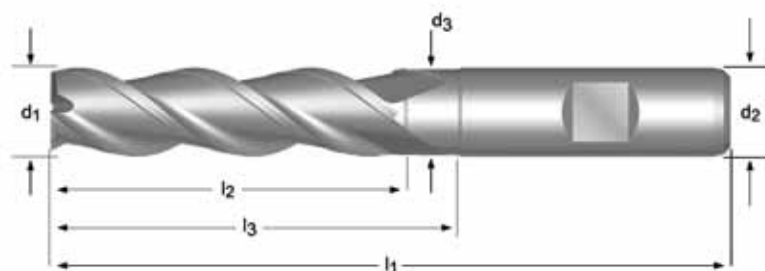

6.00 - 16.00

d_1 Ø mm	d_2 Øh ₆ mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C166
6.00	6	24	68	2	-	-	C1666.0
7.00	10	30	80	2	-	-	C1667.0
8.00	10	38	88	2	-	-	C1668.0
9.00	10	38	88	2	-	-	C1669.0
10.00	10	45	95	2	-	-	C16610.0
12.00	12	53	110	2	-	-	C16612.0
14.00	12	53	110	2	64.5	11.5	C16614.0
16.00	16	63	123	2	74.5	15.5	C16616.0

C333	HSS-E PM		W	Z 3		$\lambda 40^\circ$ $\gamma 25^\circ$	DIN 1835B		k10		DIN 844L
C359	HSS-E PM		W	Z 3		$\lambda 40^\circ$ $\gamma 25^\circ$	DIN 1835B	Alcrona	k10		DIN 844L

- C333**
- Stopkové frézy
 - Концевые фрезы
- C359**
- Frezy walcowo-czołowe
 - Stopkové frézy

C333	▪	6.1	7.2										
	•	1.1	1.2	1.3	2.1	2.2	4.1	5.1	7.1	7.3			
C359	▪	1.2	6.1	7.2	7.3	7.4							
	•	1.1	1.3	2.1	2.2	2.3	4.1	4.2	5.1	5.2	6.2	7.1	



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C333	C359
10.00	10	45	95	3	54.5	9.5	C33310.0	C35910.0
12.00	12	53	110	3	64.5	11.5	C33312.0	C35912.0
14.00	12	53	110	3	64.5	11.5	C33314.0	C35914.0
16.00	16	63	123	3	74.5	15.5	C33316.0	C35916.0
18.00	16	63	123	3	74.5	15.5	C33318.0	C35918.0
20.00	20	75	141	3	90.5	19.5	C33320.0	C35920.0
25.00	25	90	166	3	109.5	24.5	C33325.0	C35925.0
30.00	25	90	166	3	109.5	24.5	C33330.0	C35930.0

C365
**HSS-E
PM**

FS
**Z
3-4**

 **λ 40°
 γ 25°**
**DIN
1835B**

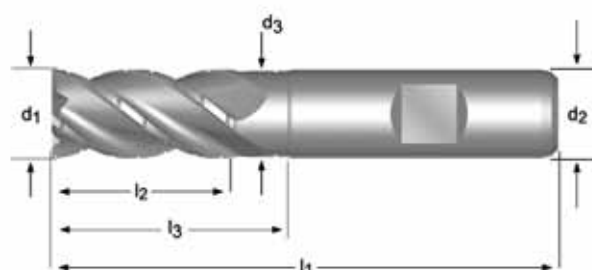
k10

**DIN
844K**
C365

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C365

■	6.1	6.2	6.3	7.1	7.2	7.3	8.1	8.2
•	1.1	1.2	1.3	2.1	4.1	5.1		


C365


10.00 - 30.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C365
10.00	10	22	72	3	31.5	9.5	C36510.0
12.00	12	26	83	3	37.5	11.5	C36512.0
14.00	12	26	83	3	37.5	11.5	C36514.0
16.00	16	32	92	3	43.5	15.5	C36516.0
18.00	16	32	92	4	43.5	15.5	C36518.0
20.00	20	38	104	4	53.5	19.5	C36520.0
25.00	25	45	121	4	64.5	24.5	C36525.0
30.00	25	45	121	4	64.5	24.5	C36530.0

C324

HSS-E
PM



HRA

Z
3



$\lambda 35^\circ$
 $\gamma 12^\circ$

DIN
1835B

Alcrona

k12

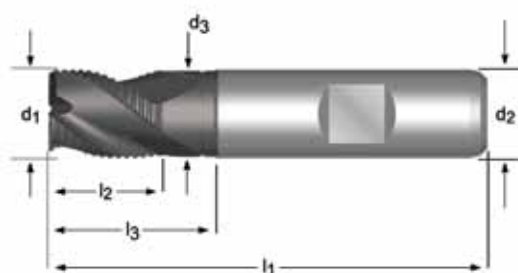


DIN
327D

C324

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C324	▪	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	1.3	4.1	5.1	6.4												



C324



8.00 - 30.00

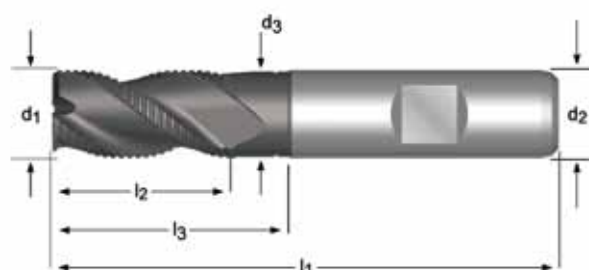
d_1 $\varnothing$ mm	d_2 $\varnothing h_6$ mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 $\varnothing$ mm	C324
8.00	10	11	61	3	-	-	C3248.0
10.00	10	13	63	3	22.5	9.5	C32410.0
12.00	12	16	73	3	27.5	11.5	C32412.0
14.00	12	16	73	3	27.5	11.5	C32414.0
16.00	16	19	79	3	30.5	15.5	C32416.0
18.00	16	19	79	3	30.5	15.5	C32418.0
20.00	20	22	88	3	37.5	19.5	C32420.0
22.00	20	22	88	3	37.5	19.5	C32422.0
25.00	25	26	102	3	45.5	24.5	C32425.0
28.00	25	26	102	3	45.5	24.5	C32428.0
30.00	25	26	102	3	45.5	24.5	C32430.0

C922

C922

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubej
- Hrubovacie frézy

C922	■	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	1.3	4.1	5.1	6.4												


C922


6.00 - 40.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C922
6.00	6	13	57	3	-	-	C9226.0
7.00	10	16	66	3	-	-	C9227.0
8.00	10	19	69	3	-	-	C9228.0
9.00	10	19	69	3	-	-	C9229.0
10.00	10	22	72	3	31.5	9.5	C92210.0
11.00	12	22	79	3	-	-	C92211.0
12.00	12	26	83	3	37.5	11.5	C92212.0
13.00	12	26	83	3	37.5	11.5	C92213.0
14.00	12	26	83	3	37.5	11.5	C92214.0
15.00	12	26	83	3	37.5	11.5	C92215.0
16.00	16	32	92	3	43.5	15.5	C92216.0
18.00	16	32	92	3	43.5	15.5	C92218.0
20.00	20	38	104	3	53.5	19.5	C92220.0
22.00	20	38	104	3	53.5	19.5	C92222.0
24.00	25	45	121	4	64.5	23.5	C92224.0
25.00	25	45	121	4	64.5	24.5	C92225.0
26.00	25	45	121	4	64.5	24.5	C92226.0
28.00	25	45	121	4	64.5	24.5	C92228.0
30.00	25	45	121	4	64.5	24.5	C92230.0
32.00	32	53	133	4	72.5	31.5	C92232.0
36.00	32	53	133	4	72.5	31.0	C92236.0
40.00	40	63	155	4	84.5	39.0	C92240.0

C428

HSS-E
PM



HRA

Z
4-6



$\lambda 35^\circ$
 $\gamma 12^\circ$

DIN
1835B

Alcrona

k12

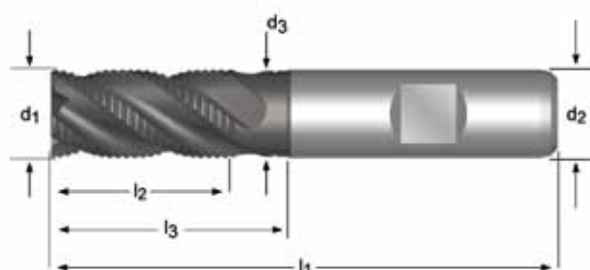


DIN
844K

C428

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C428	▪	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	1.3	4.1	5.1	6.4												



C428



6.00 - 40.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	Z	l_3 mm	d_3 Ø mm	C428
6.00	6	13	57	4	-	-	C4286.0
7.00	10	16	66	4	-	-	C4287.0
8.00	10	19	69	4	-	-	C4288.0
9.00	10	19	69	4	-	-	C4289.0
10.00	10	22	72	4	31.5	9.5	C42810.0
11.00	12	22	79	4	-	-	C42811.0
12.00	12	26	83	4	37.5	11.5	C42812.0
13.00	12	26	83	4	37.5	11.5	C42813.0
14.00	12	26	83	4	37.5	11.5	C42814.0
15.00	12	26	83	4	37.5	11.5	C42815.0
16.00	16	32	92	4	43.5	15.5	C42816.0
18.00	16	32	92	4	43.5	15.5	C42818.0
20.00	20	38	104	4	53.5	19.5	C42820.0
22.00	20	38	104	4	53.5	19.5	C42822.0
25.00	25	45	121	6	64.5	24.5	C42825.0
28.00	25	45	121	6	64.5	24.5	C42828.0
30.00	25	45	121	6	64.5	24.5	C42830.0
32.00	32	53	133	6	72.5	31.5	C42832.0
36.00	32	53	133	6	72.5	31.0	C42836.0
40.00	40	63	155	6	84.5	39.0	C42840.0

C492

HSS-E
PM


HRA

Z
3-6

 λ 35°
 γ 12°

DIN
1835B

Alcrona

k12


DIN
844L

C492

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C492	■	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	4.1	5.1	6.4														


C492

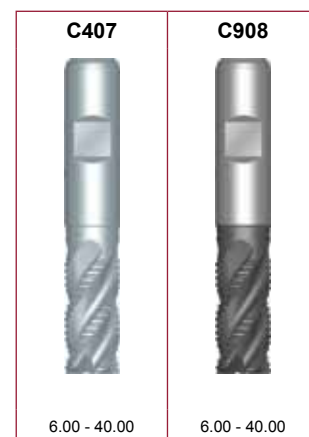
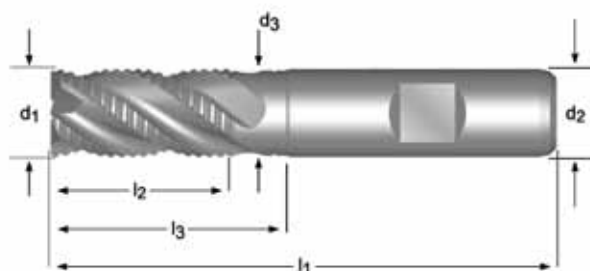

6.00 - 30.00

d_1 Ø mm	d_2 Øh ₆ mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C492
6.00	6	24	68	3	-	-	C4926.0
8.00	10	38	88	3	-	-	C4928.0
10.00	10	45	95	4	54.5	9.5	C49210.0
12.00	12	53	110	4	64.5	11.5	C49212.0
14.00	12	53	110	4	64.5	11.5	C49214.0
16.00	16	63	123	4	74.5	15.5	C49216.0
18.00	16	63	123	4	74.5	15.5	C49218.0
20.00	20	75	141	4	90.5	19.5	C49220.0
22.00	20	75	141	4	90.5	19.5	C49222.0
25.00	25	90	166	6	109.5	24.5	C49225.0
30.00	25	90	166	6	109.5	24.5	C49230.0

C407	HSS-E PM		NRA	Z 4-6		$\lambda 35^\circ$ $\gamma 12^\circ$	DIN 1835B		k12		DIN 844K
C908	HSS-E PM		NRA	Z 4-6		$\lambda 35^\circ$ $\gamma 12^\circ$	DIN 1835B	Alcra	k12		DIN 844K

- C407**
- Hrubovací frézy
 - Черновые концевые фрезы
- C908**
- Frezy walcowo-czołowy do obróbki zgrubnej
 - Hrubovací frézy

C407	▪	1.2	1.3	1.4	1.5	2.1	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2
	•	1.1	1.6	2.2	4.1	5.1	6.4	7.4								
C908	▪	1.3	1.4	1.5	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2
	•	1.6	4.1	5.1	6.4	7.4										

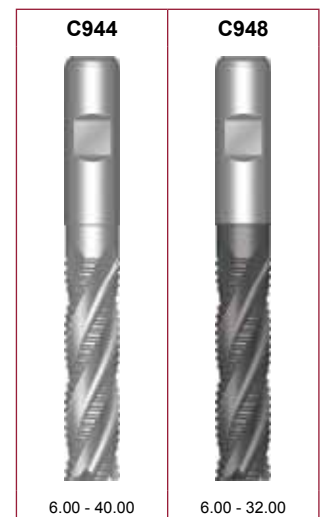
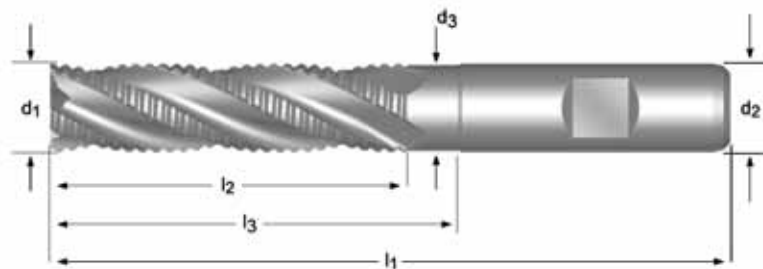


d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C407	C908
6.00	6	13	57	4	-	-	C4076.0	C9086.0
7.00	10	16	66	4	-	-	C4077.0	C9087.0
8.00	10	19	69	4	-	-	C4078.0	C9088.0
9.00	10	19	69	4	-	-	C4079.0	C9089.0
10.00	10	22	72	4	31.5	9.5	C40710.0	C90810.0
11.00	12	22	79	4	-	-	C40711.0	C90811.0
12.00	12	26	83	4	37.5	11.5	C40712.0	C90812.0
13.00	12	26	83	4	37.5	11.5	C40713.0	C90813.0
14.00	12	26	83	4	37.5	11.5	C40714.0	C90814.0
15.00	12	26	83	4	37.5	11.5	C40715.0	C90815.0
16.00	16	32	92	4	43.5	15.5	C40716.0	C90816.0
18.00	16	32	92	4	43.5	15.5	C40718.0	C90818.0
20.00	20	38	104	4	53.5	19.5	C40720.0	C90820.0
22.00	20	38	104	4	53.5	19.5	C40722.0	C90822.0
25.00	25	45	121	6	64.5	24.5	C40725.0	C90825.0
28.00	25	45	121	6	64.5	24.5	C40728.0	C90828.0
30.00	25	45	121	6	64.5	24.5	C40730.0	C90830.0
32.00	32	53	133	6	72.5	31.5	C40732.0	C90832.0
36.00	32	53	133	6	72.5	31.0		C90836.0
40.00	40	63	155	6	84.5	39.0	C40740.0	C90840.0



- C944**
- Hrubovací frézy
 - Черновые концевые фрезы
- C948**
- Frezy walcowo-czołowy do obróbki zgrubnej
 - Hrubovacie frézy

C944	▪	1.3	1.4	1.5	2.1	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4		
	•	1.6	2.2	4.1	5.1	6.4												
C948	▪	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	4.1	5.1	6.4														



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C944	C948
6.00	6	24	68	4	-	-	C9446.0	C9486.0
8.00	10	38	88	4	-	-	C9448.0	C9488.0
10.00	10	45	95	4	54.5	9.5	C94410.0	C94810.0
12.00	12	53	110	4	64.5	11.5	C94412.0	C94812.0
14.00	12	53	110	4	64.5	11.5	C94414.0	C94814.0
16.00	16	63	123	4	74.5	15.5	C94416.0	C94816.0
18.00	16	63	123	4	74.5	15.5		C94818.0
20.00	20	75	141	4	90.5	19.5	C94420.0	C94820.0
25.00	25	90	166	6	109.5	24.5	C94425.0	C94825.0
30.00	25	90	166	6	109.5	24.5		C94830.0
32.00	32	106	186	6	125.5	31.5	C94432.0	C94832.0
40.00	40	125	217	6	-	-	C94440.0	

C921

HSS-E
PM



FS

Z
3-6



$\lambda 45^\circ$
 $\gamma 12^\circ$

DIN
1835B

Alcrona

k10

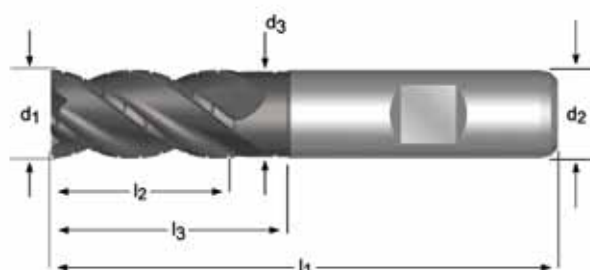


DIN
844K

C921

- Hrubovací frézy
- Черновые концевые фрезы
- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C921	■	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
	•	4.1	5.1	6.4														



C921



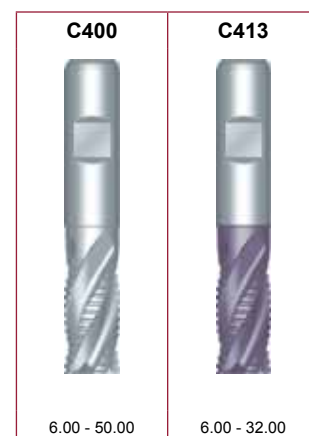
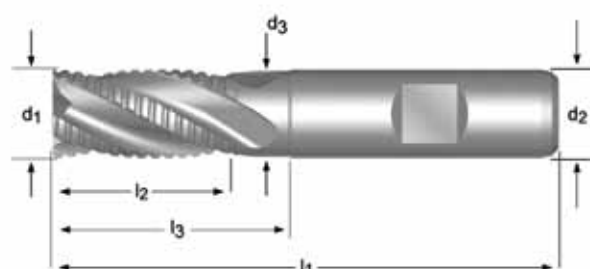
6.00 - 32.00

d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C921
6.00	6	13	57	3	-	-	C9216.0
8.00	10	19	69	4	-	-	C9218.0
10.00	10	22	72	4	31.5	9.5	C92110.0
12.00	12	26	83	4	37.5	11.5	C92112.0
14.00	12	26	83	4	37.5	11.5	C92114.0
16.00	16	32	92	4	43.5	15.5	C92116.0
18.00	16	32	92	4	43.5	15.5	C92118.0
20.00	20	38	104	4	53.5	19.5	C92120.0
22.00	20	38	104	5	53.5	19.5	C92122.0
25.00	25	45	121	5	64.5	24.5	C92125.0
28.00	25	45	121	6	64.5	24.5	C92128.0
30.00	25	45	121	6	64.5	24.5	C92130.0
32.00	32	53	133	6	72.5	31.5	C92132.0



- C400**
- Hrubovací frézy
 - Черновые концевые фрезы
- C413**
- Frezy walcowo-czołowy do obróbki zgrubnej
 - Hrubovacie frézy

C400	■	1.2	1.3	6.2	6.3													
	●	1.1	1.4	2.1	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	7.2	7.3	8.1		
C413	■	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.2	5.2	6.2	6.3						
	●	1.1	1.5	1.6	2.1	2.3	4.1	4.3	5.1	5.3	6.1	6.4	7.2	7.3	7.4	8.1		



d_1 Ø mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C400	C413
6.00	6	13	57	4	-	-	C4006.0	C4136.0
7.00	10	16	66	4	-	-	C4007.0	
8.00	10	19	69	4	-	-	C4008.0	C4138.0
9.00	10	19	69	4	-	-	C4009.0	
10.00	10	22	72	4	-	-	C40010.0	C41310.0
11.00	12	22	79	4	-	-	C40011.0	
12.00	12	26	83	4	-	-	C40012.0	C41312.0
13.00	12	26	83	4	37.5	11.5	C40013.0	
14.00	12	26	83	4	37.5	11.5	C40014.0	C41314.0
15.00	12	26	83	4	37.5	11.5	C40015.0	
16.00	16	32	92	4	43.5	15.5	C40016.0	C41316.0
18.00	16	32	92	4	43.5	15.5	C40018.0	C41318.0
20.00	20	38	104	4	53.5	19.5	C40020.0	C41320.0
22.00	20	38	104	4	53.5	19.5	C40022.0	C41322.0
25.00	25	45	121	5	64.5	24.5	C40025.0	C41325.0
26.00	25	45	121	5	64.5	24.5	C40026.0	
28.00	25	45	121	5	64.5	24.5	C40028.0	C41328.0
30.00	25	45	121	5	64.5	24.5	C40030.0	C41330.0
32.00	32	53	133	6	72.5	31.0	C40032.0	C41332.0
40.00	40	63	155	6	84.5	39.0	C40040.0	
50.00	50	75	177	6	96.5	48.0	C40050.0	

C403

HSS-E



NF



Z

4-8

 $\lambda 30^\circ$ $\gamma 12^\circ$ 

k12

DIN
8441

844L

C429

HSS-E



NF



Z

4-8

 $\lambda 30^\circ$

Y12[®]



k12

DIN
8441

844L

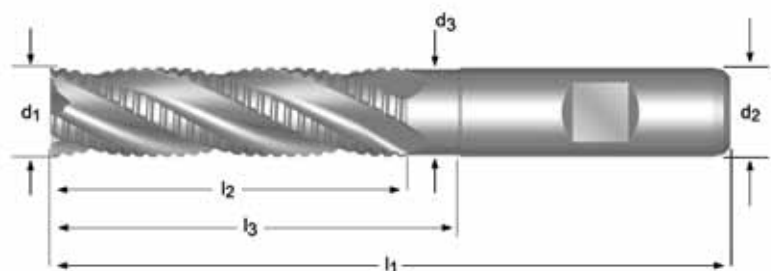
C403

- Hrubovací frézy
- Черновые концевые фрезы

C429

- Frezy walcowo-czołowy do obróbki zgrubnej
- Hrubovacie frézy

C403	■	1.2	1.3	6.2	6.3												
	●	1.1	1.4	2.1	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	7.2	7.3	8.1	
C429	■	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.2	5.2	6.2	6.3					
	●	1.1	1.5	1.6	2.1	2.3	4.1	4.3	5.1	5.3	6.1	6.4	7.2	7.3	7.4	8.1	



C403



10.00 - 50.00

C429



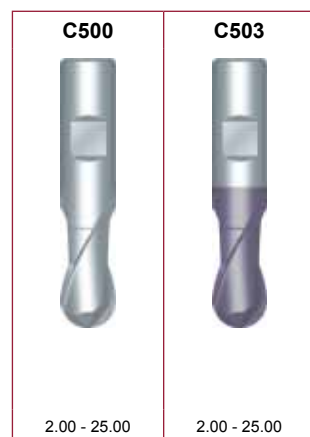
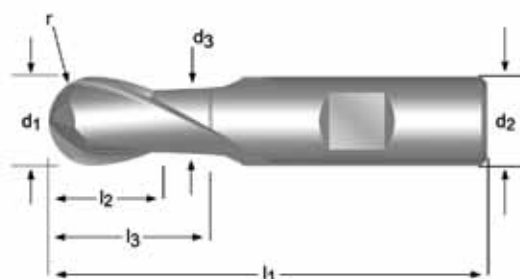
10.00 - 32.00

d ₁ Ø mm	d ₂ Øh ₆ mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	C403	C429
10.00	10	45	95	4	-	-	C40310.0	C42910.0
12.00	12	53	110	4	-	-	C40312.0	C42912.0
14.00	12	53	110	4	64.5	11.5	C40314.0	C42914.0
16.00	16	63	123	4	74.5	15.5	C40316.0	C42916.0
18.00	16	63	123	4	74.5	15.5	C40318.0	C42918.0
20.00	20	75	141	4	90.5	19.5	C40320.0	C42920.0
22.00	20	75	141	4	90.5	19.5	C40322.0	
25.00	25	90	166	5	109.5	24.5	C40325.0	C42925.0
30.00	25	90	166	5	109.5	24.5	C40330.0	C42930.0
32.00	32	106	186	6	125.5	31.0	C40332.0	C42932.0
36.00	32	106	186	6	125.5	31.5	C40336.0	
40.00	40	125	217	6	146.5	39.0	C40340.0	
45.00	40	125	217	6	146.5	39.5	C40345.0	
50.00	50	150	252	6	171.5	48.0	C40350.0	



- C500**
- Kopírovací frézy
 - Ball Nose
- C503**
- Frezy kuliste
 - Kopírovacie frézy

C500	▪	1.1	1.2	4.1	5.1	6.1	6.2	6.3												
	•	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1						
C503	▪	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3				
	•	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1							



d_1 Ø mm	r ±0.05 mm	d_2 Ø _{h6} mm	l_2 mm	l_1 mm	z	l_3 mm	d_3 Ø mm	C500	C503
2.00	1.00	6	4	48	2	-	-	C5002.0	C5032.0
3.00	1.50	6	5	49	2	-	-	C5003.0	C5033.0
4.00	2.00	6	7	51	2	-	-	C5004.0	C5034.0
5.00	2.50	6	8	52	2	-	-	C5005.0	C5035.0
6.00	3.00	6	8	52	2	-	-	C5006.0	C5036.0
7.00	3.50	10	10	60	2	-	-	C5007.0	C5037.0
8.00	4.00	10	11	61	2	-	-	C5008.0	C5038.0
9.00	4.50	10	11	61	2	-	-	C5009.0	C5039.0
10.00	5.00	10	13	63	2	-	-	C50010.0	C50310.0
11.00	5.50	12	13	70	2	-	-	C50011.0	C50311.0
12.00	6.00	12	16	73	2	-	-	C50012.0	C50312.0
13.00	6.50	12	16	73	2	27.5	11.5	C50013.0	C50313.0
14.00	7.00	12	16	73	2	27.5	11.5	C50014.0	C50314.0
15.00	7.50	12	16	73	2	27.5	11.5	C50015.0	C50315.0
16.00	8.00	16	19	79	2	30.5	15.5	C50016.0	C50316.0
18.00	9.00	16	19	79	2	30.5	15.5	C50018.0	C50318.0
20.00	10.00	20	22	88	2	37.5	19.5	C50020.0	C50320.0
25.00	12.50	25	26	102	2	45.5	24.5	C50025.0	C50325.0

C800

HSS-E



N

Z
6-8



λ 15°
 γ 10°

DIN 1835
B
D



d11

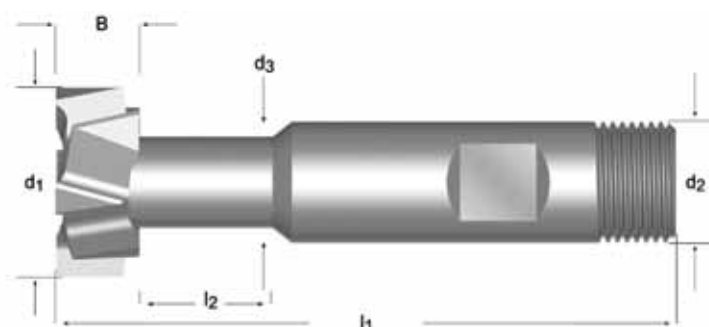


DIN
851

C800

- Frézy T-drážky
- Фрезы для обработки T-образных пазов
- Frezy do rowków teowych
- Frézy T-drážky

C800	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											



C800



11.00 - 50.00

B	d ₁ Ø	T DIN650	d ₃ Ø	l ₂	l ₁	d ₂ Øh ₆	z	C800
mm	mm		mm	mm	mm	mm		
4.0	11.00	5	4	6.5	53.5	10	6	C80011.0X5.0
6.0	12.50	6	5	9	57.0	10	6	C80012.5X6.0
8.0	16.00	8	7	12	62.0	10	6	C80016.0X8.0
8.0	18.00	10	8	15	70.0	12	6	C80018.0X10.0
9.0	21.00	12	10	18	74.0	12	8	C80021.0X12.0
11.0	25.00	14	12	20	82.0	16	8	C80025.0X14.0
14.0	32.00	18	15	26	90.0	16	8	C80032.0X18.0
18.0	40.00	22	19	27	108.0	25	8	C80040.0X22.0
22.0	50.00	28	25	34	124.0	32	8	C80050.0X28.0

C810

HSS



N

Z

6-8

 $\lambda 12^\circ$
 $\gamma 10^\circ$

DIN
1835D


d11

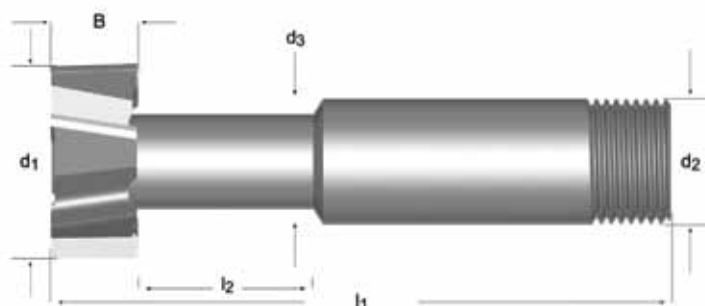


DORMER

C810

- Frézy T-drážky
- Фрезы для обработки T-образных пазов
- Frezy do rowków teowych
- Frézy T-drážky

C810	■	1.1	1.2	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	6.4	7.1	7.2	7.3
	•	1.5	1.6	2.2	2.3	4.2	4.3	5.2	5.3	7.4	8.1	10.1							


C810


12.50 - 1.61/64

B	B	d ₁	d ₁	T	d ₃	l ₂	l ₁	d ₂	d ₂		C810
Inch	mm	Ø	Ø	DIN650	Ø	mm	mm	Ø	Ø0,-0.025	z	
	6.00		12.50	6.0	5.00	11	57.0		10.0	6	C8106.0
1/4	6.35	37/64	14.68	1/4	6.35	14	60.5	1/2	12.7	6	C8101/4
	8.00		16.00	8.0	7.00	13	61.0		10.0	6	C8108.0
5/16	7.94	45/64	17.86	5/16	7.15	17	65.0	1/2	12.7	6	C8105/16
	8.00		18.00	10.0	8.00	17	65.0		12.0	6	C81010.0
	9.00		21.00	12.0	10.00	20	69.0		12.0	6	C81012.0
23/64	9.13	53/64	21.03	3/8	8.75	19	68.5	1/2	12.7	6	C8103/8
27/64	10.72	61/64	24.21	7/16	9.50	22	73.0	1/2	12.7	6	C8107/16
	11.00		25.00	14.0	12.00	23	79.0		16.0	6	C81014.0
15/32	11.91	1.5/64	27.38	1/2	11.90	24	76.0	1/2	12.7	6	C8101/2
	12.00		28.00	16.0	13.00	23	76.0		16.0	6	C81016.0
37/64	14.68	1.21/64	33.73	5/8	14.30	30	101.5	1"	25.4	8	C8105/8
	14.00		32.00	18.0	15.00	27	98.0		25.0	8	C81018.0
	16.00		36.00	20.0	17.00	30	100.0		25.0	8	C81020.0
11/16	17.46	1.33/64	38.50	3/4	17.45	35	109.5	1"	25.4	8	C8103/4
	18.00		40.00	22.0	19.00	33	108.0		25.0	8	C81022.0
51/64	20.24	1.45/64	43.26	7/8	20.65	40	117.5	1"	25.4	8	C8107/8
29/32	23.02	1.61/64	49.61	1"	23.80	47	127.0	1"	25.4	8	C8101

C825

HSS-E



N

Z
8-12



$\lambda 15^\circ$
 $\gamma 15^\circ$

DIN
1835B



js16

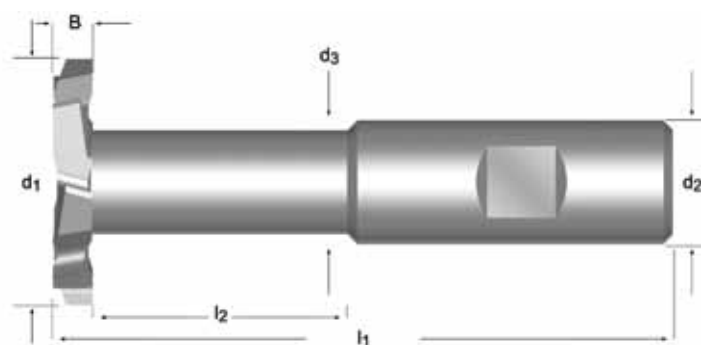


DORMER

C825

- Frézy T-drážky
- Фрезы для обработки T-образных пазов
- Frezy do rowków teowych
- Frézy T-drážky

C825	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											



C825



40.00 - 63.00

B	d ₁ Ø mm	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø _{h₆} mm	z	C825
3	40	19.2	46	100	20	8	C8253.0X40.0
4	40	19.2	45	100	20	8	C8254.0X40.0
5	40	19.2	44	100	20	8	C8255.0X40.0
6	40	19.2	43	100	20	8	C8256.0X40.0
8	40	19.2	41	100	20	8	C8258.0X40.0
10	40	19.2	39	100	20	8	C82510.0X40.0
6	63	24.2	67	130	25	12	C8256.0X63.0
8	63	24.2	65	130	25	12	C8258.0X63.0
10	63	24.2	63	130	25	12	C82510.0X63.0
12	63	24.2	61	130	25	12	C82512.0X63.0
14	63	24.2	59	130	25	12	C82514.0X63.0
16	63	24.2	57	130	25	12	C82516.0X63.0
18	63	24.2	55	130	25	12	C82518.0X63.0

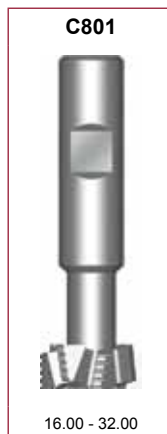
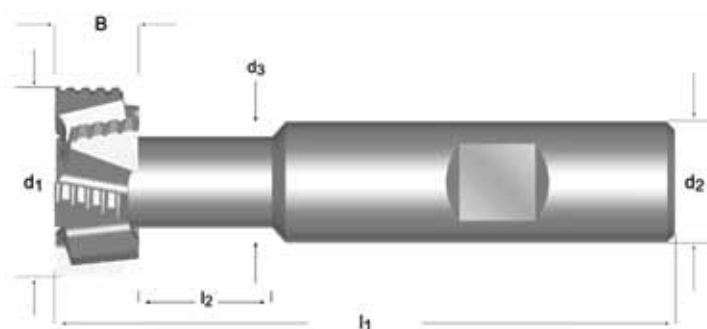
C801



C801

- Frézy T-drażky
- Фрезы для обработки T-образных пазов
- Frezy do rowków teowych
- Frézy T-drażky

C801	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											



B	d ₁ Ø	T DIN650	d ₃ Ø	l ₂	l ₁	d ₂ Øh ₆	z	C801
mm	mm		mm	mm	mm	mm		
8.0	16.0	8	7	10	62	10	6	C80116.0X8.0
8.0	18.0	10	8	13	70	12	6	C80118.0X10.0
9.0	21.0	12	10	16	74	12	6	C80121.0X12.0
11.0	25.0	14	12	17	82	16	8	C80125.0X14.0
14.0	32.0	18	15	22	90	16	8	C80132.0X18.0

C822

HSS-E



N

Z
6-12



$\lambda 10^\circ$
 $\gamma 10^\circ$

DIN 1835
B
D



h11

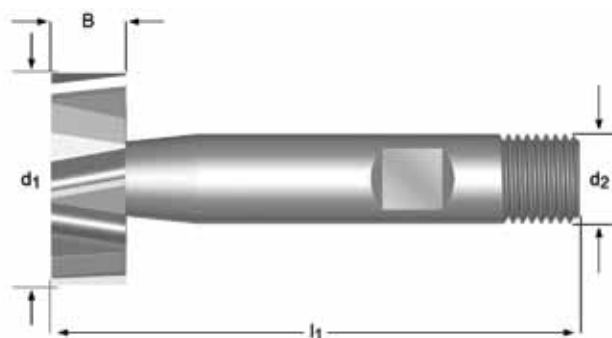


DIN
850

C822

- Frézy pro drážky Woodruff
- Грибковые фрезы
- Frezy do rowków na wpusty Woodruff
- Frézy pre drážky Woodruff

C822	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											



C822



4.50 - 45.50

B	d ₁ Ø	l ₁	d ₂ Ø h ₆	z	C822
mm	mm	mm	mm		
1.0	4.50	50	6	6	C8224.5X1.0
1.5	7.50	50	6	6	C8227.5X1.5
2.0	7.50	50	6	6	C8227.5X2.0
2.0	10.50	50	6	8	C82210.5X2.0
2.5	10.50	50	6	8	C82210.5X2.5
3.0	10.50	50	6	8	C82210.5X3.0
3.0	13.50	56	10	8	C82213.5X3.0
4.0	13.50	56	10	8	C82213.5X4.0
3.0	16.50	56	10	8	C82216.5X3.0
4.0	16.50	56	10	8	C82216.5X4.0
5.0	16.50	56	10	8	C82216.5X5.0
3.0	19.50	63	10	6	C82219.5X3.0
4.0	19.50	63	10	10	C82219.5X4.0
5.0	19.50	63	10	10	C82219.5X5.0
5.0	22.50	63	10	10	C82222.5X5.0
6.0	22.50	63	10	10	C82222.5X6.0
8.0	22.50	63	10	10	C82222.5X8.0
6.0	25.50	63	10	12	C82225.5X6.0
6.0	28.50	63	10	12	C82228.5X6.0
8.0	28.50	63	10	12	C82228.5X8.0
10.0	28.50	71	12	12	C82228.5X10.0
8.0	32.50	71	12	12	C82232.5X8.0
10.0	32.50	71	12	12	C82232.5X10.0
10.0	45.50	71	12	12	C82245.5X10.0

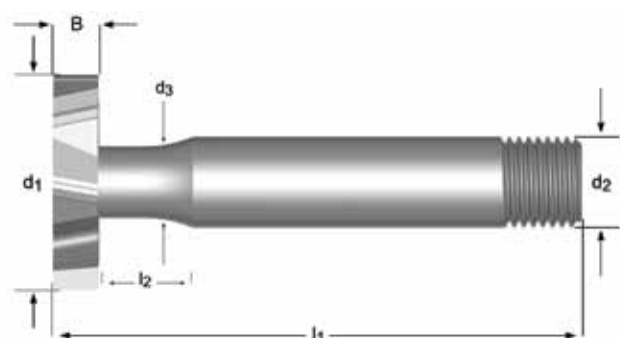
C820
HSS

N
Z
6-12

C820

- Frézy pro drážky Woodruff
- Грибковые фрезы
- Frezy do rowków na wpusty Woodruff
- Frézy pre drážky Woodruff

C820	■	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.1	7.2	7.3
	•	1.5	1.6	2.3	4.2	4.3	5.2	5.3	6.4	7.4	8.1	10.1							


C820


10.50 - 45.50

Nr.	B Inch	B mm	d ₁ Ø Inch	d ₁ Ø mm	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø Inch	d ₂ Ø0,-0.025 mm	z	C820
		2.00		10.50	3.90	10	57.0		12.0	6	C82010.5X2.0
		2.50		10.50	3.90	10	57.0		12.0	6	C82010.5X2.5
		3.00		10.50	4.20	10	57.0		12.0	6	C82010.5X3.0
204	1/16	1.59	1/2	12.70	3.30	10	57.0	1/2	12.7	6	C820204
304	3/32	2.38	1/2	12.70	4.05	10	57.0	1/2	12.7	6	C820304
404	1/8	3.18	1/2	12.70	4.85	10	57.0	1/2	12.7	6	C820404
		2.00		13.50	4.00	10	57.0		12.0	6	C82013.5X2.0
		2.50		13.50	4.00	10	57.0		12.0	6	C82013.5X2.5
		3.00		13.50	5.00	10	57.0		12.0	6	C82013.5X3.0
		4.00		13.50	5.00	10	57.0		12.0	6	C82013.5X4.0
305	3/32	2.38	5/8	15.88	4.85	10	57.0	1/2	12.7	6	C820305
405	1/8	3.18	5/8	15.88	5.65	10	57.0	1/2	12.7	6	C820405
505	5/32	3.97	5/8	15.88	6.35	10	57.0	1/2	12.7	6	C820505
		2.50		16.50	4.00	10	57.0		12.0	6	C82016.5X2.5
		3.00		16.50	5.00	10	57.0		12.0	6	C82016.5X3.0
		4.00		16.50	5.00	10	57.0		12.0	6	C82016.5X4.0
		5.00		16.50	5.60	10	57.0		12.0	6	C82016.5X5.0
406	1/8	3.18	3/4	19.05	5.50	10	57.0	1/2	12.7	6	C820406
506	5/32	3.97	3/4	19.05	6.35	10	57.0	1/2	12.7	6	C820506
606	3/16	4.76	3/4	19.05	7.15	10	57.0	1/2	12.7	6	C820606
		3.00		19.50	5.60	10	57.0		12.0	6	C82019.5X3.0
		4.00		19.50	5.60	10	57.0		12.0	6	C82019.5X4.0
		5.00		19.50	6.00	10	57.0		12.0	6	C82019.5X5.0
507	5/32	3.97	7/8	22.23	6.35	10	63.5	1/2	12.7	8	C820507
607	3/16	4.76	7/8	22.23	7.15	10	63.5	1/2	12.7	8	C820607
707	7/32	5.56	7/8	22.23	7.95	10	63.5	1/2	12.7	8	C820707
807	1/4	6.35	7/8	22.23	8.75	10	63.5	1/2	12.0	8	C820807
		4.00		22.50	5.60	10	63.5		12.0	8	C82022.5X4.0
		5.00		22.50	6.00	10	63.5		12.0	8	C82022.5X5.0
		6.00		22.50	6.50	10	63.5		12.0	8	C82022.5X6.0
608	3/16	4.76	1"	25.40	7.15	10	70.0	1/2	12.7	8	C820608
708	7/32	5.56	1"	25.40	7.95	10	70.0	1/2	12.7	8	C820708
808	1/4	6.35	1"	25.40	8.75	10	70.0	1/2	12.7	8	C820808
1008	5/16	7.94	1"	25.40	10.30	10	70.0	1/2	12.7	8	C8201008
		5.00		25.50	7.50	10	70.0		12.0	8	C82025.5X5.0
		6.00		25.50	7.50	10	70.0		12.0	8	C82025.5X6.0
		7.00		25.50	8.00	10	70.0		12.0	8	C82025.5X7.0
		8.00		25.50	8.00	10	70.0		12.0	8	C82025.5X8.0

Nr.	B Inch	B mm	d ₁ Ø Inch	d ₁ Ø mm	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø Inch	d ₂ Ø0,-0.025 mm	z	C820
		5.00		28.50	8.00	12	70.0		12.0	8	C82028.5X5.0
		6.00		28.50	8.50	12	70.0		12.0	8	C82028.5X6.0
		7.00		28.50	8.50	12	70.0		12.0	8	C82028.5X7.0
		8.00		28.50	9.00	12	70.0		12.0	8	C82028.5X8.0
609	3/16	4.76	1.1/8	28.58	7.95	12	70.0	1/2	12.7	8	C820609
709	7/32	5.56	1.1/8	28.58	8.75	12	70.0	1/2	12.7	8	C820709
809	1/4	6.35	1.1/8	28.58	9.50	12	70.0	1/2	12.7	8	C820809
1009	5/16	7.94	1.1/8	28.58	11.10	12	70.0	1/2	12.7	8	C8201009
610	3/16	4.76	1.1/4	31.75	7.95	12	70.0	1/2	12.7	10	C820610
710	7/32	5.56	1.1/4	31.75	8.75	12	70.0	1/2	12.7	10	C820710
810	1/4	6.35	1.1/4	31.75	9.50	12	70.0	1/2	12.7	10	C820810
1010	5/16	7.94	1.1/4	31.75	11.10	12	70.0	1/2	12.7	10	C8201010
1210	3/8	9.53	1.1/4	31.75	11.95	12	70.0	1/2	12.7	10	C8201210
		5.00		32.50	8.00	12	70.0		12.0	10	C82032.5X5.0
		6.00		32.50	8.50	12	70.0		12.0	10	C82032.5X6.0
		7.00		32.50	8.50	12	70.0		12.0	10	C82032.5X7.0
		8.00		32.50	9.00	12	70.0		12.0	10	C82032.5X8.0
811	1/4	6.35	1.3/8	34.93	11.10	20	76.0	1/2	12.7	10	C820811
1011	5/16	7.94	1.3/8	34.93	11.95	20	76.0	1/2	12.7	10	C8201011
1211	3/8	9.53	1.3/8	34.93	11.95	20	76.0	1/2	12.7	10	C8201211
		6.00		35.50	9.50	20	76.0		12.0	10	C82035.5X6.0
		7.00		35.50	9.50	20	76.0		12.0	10	C82035.5X7.0
		8.00		35.50	11.50	20	76.0		12.0	10	C82035.5X8.0
		9.00		35.50	11.50	20	76.0		12.0	10	C82035.5X9.0
812	1/4	6.35	1.1/2	38.10	11.10	20	76.0	1/2	12.7	10	C820812
1012	5/16	7.94	1.1/2	38.10	11.95	20	76.0	1/2	12.7	10	C8201012
1212	3/8	9.53	1.1/2	38.10	11.95	20	76.0	1/2	12.7	10	C8201212
		7.00		38.50	10.50	20	76.0		12.0	10	C82038.5X7.0
		8.00		38.50	11.50	20	76.0		12.0	10	C82038.5X8.0
		9.00		38.50	11.50	20	76.0		12.0	10	C82038.5X9.0
		10.00		38.50	11.50	20	76.0		12.0	10	C82038.5X10.0
		10.00		45.50	11.50	20	76.0		12.0	12	C82045.5X10.0

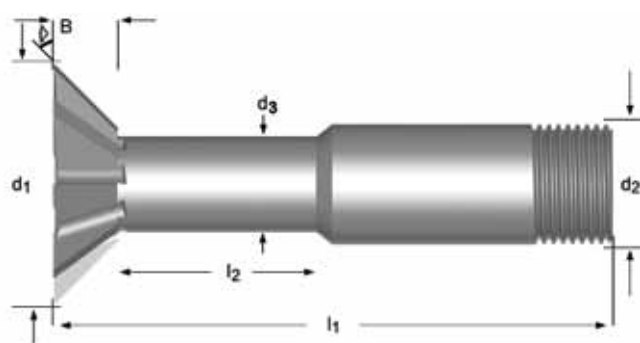
C837
HSS

N
Z
6-8


- Rybinovité frézy
- Грибковые фрезы для обработки пазов типа "ласточкин хвост"
- Frezy do rowków trapezowych
- Rybinovité frézy

C837

C837	■	1.1	1.2	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.1	7.2	7.3
	•	1.5	1.6	2.2	2.3	4.2	4.3	5.2	5.3	6.4	7.4	8.1						


C837


13.00 - 1.1/2

∅	B	d ₁ ∅ mm Inch	d ₁ ∅ mm	d ₃ mm	l ₂ mm	l ₁ mm	d ₂ ∅ mm Inch	d ₂ ∅ _{0,-0.025} mm	z	C837
45°	3.0		13.00	4.75	16.5	63.5		12.00	6	C83713.0
45°	4.0	5/8	15.88	6.35	17.5	66.5	1/2	12.70	6	C8375/8
45°	4.0		16.00	6.35	17.5	66.5		12.00	6	C83716.0
45°	5.5		19.00	6.35	16.0	66.5		12.00	6	C83719.0
45°	5.5	3/4	19.05	6.35	16.0	66.5	1/2	12.70	6	C8373/4
45°	6.5		22.00	7.15	16.0	68.5		12.00	6	C83722.0
45°	6.5	7/8	22.23	7.15	16.0	68.5	1/2	12.70	6	C8377/8
45°	7.5		25.00	7.95	16.5	70.0		12.00	6	C83725.0
45°	8.0	1"	25.40	7.95	16.0	70.0	1/2	12.70	6	C8371
45°	8.5		28.00	9.55	17.0	71.5		16.00	6	C83728.0
45°	8.5	1.1/4	31.75	11.10	16.0	74.5	5/8	15.88	8	C8371.1/4
45°	8.5		32.00	11.10	16.0	74.5		16.00	8	C83732.0
45°	9.5	1.3/8	34.93	11.90	16.5	78.0	1"	25.40	8	C8371.3/8
45°	9.5		35.00	11.90	16.5	78.0		25.00	8	C83735.0
45°	10.5		38.00	12.70	16.0	78.5		25.00	8	C83738.0
45°	10.5	1.1/2	38.10	12.70	16.0	78.5	1"	25.40	8	C8371.1/2

C835

HSS



N

Z

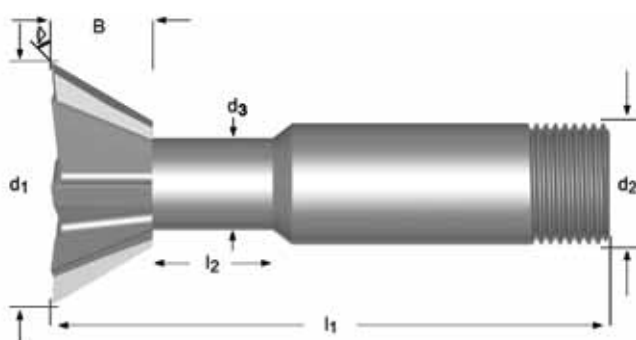
6-8



- Rybinovité frézy
- Грибковые фрезы для обработки пазов типа "ласточкин хвост"
- Frezy do rowków trapezowych
- Rybinovité frézy

C835

C835	■	1.1	1.2	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.1	7.2	7.3
	•	1.5	1.6	2.2	2.3	4.2	4.3	5.2	5.3	6.4	7.4	8.1						



C835



1/2 - 1.1/2

	B	d ₁ Ø	d ₁ Ø	d ₃	l ₂	l ₁	d ₂ Ø	d ₂ Ø0,-0.025	z	C835
	mm	Inch	mm	mm	mm	mm	Inch	mm		
60°	4.0	1/2	12.70	7.15	16.5	63.50	1/2	12.70	6	C8351/2
60°	4.0		13.00	7.15	16.5	63.50		12.00	6	C83513.0
60°	5.5	5/8	15.88	7.55	18.0	66.50	1/2	12.70	6	C8355/8
60°	5.5		16.00	7.55	18.0	66.50		12.00	6	C83516.0
60°	7.0		19.00	8.35	17.5	67.50		12.00	6	C83519.0
60°	7.0	3/4	19.05	8.35	17.5	67.50	1/2	12.70	6	C8353/4
60°	9.5		22.00	8.75	15.0	67.50		12.00	6	C83522.0
60°	9.5	7/8	22.23	8.75	15.0	67.50	1/2	12.70	6	C8357/8
60°	12.0		25.00	8.75	15.0	70.00		12.00	6	C83525.0
60°	12.0	1"	25.40	8.75	15.0	70.00	1/2	12.70	6	C8351
60°	12.5		28.00	11.10	15.5	73.00		16.00	6	C83528.0
60°	12.5	1.1/8	28.58	11.10	15.5	73.00	5/8	15.88	6	C8351.1/8
60°	13.5		32.00	12.70	16.0	74.50		16.00	8	C83532.0
60°	13.5	1.1/4	31.75	12.70	16.0	74.50	5/8	15.88	8	C8351.1/4
60°	14.5	1.3/8	34.93	12.70	16.0	82.50	1"	25.40	8	C8351.3/8
60°	14.5		35.00	12.70	16.0	82.50		25.00	8	C83535.0
60°	16.0		38.00	17.45	16.0	84.00		25.00	8	C83538.0
60°	16.0	1.1/2	38.10	17.45	16.0	84.00	1"	25.40	8	C8351.1/2

C830

HSS-E



N

Z
10-12

 $\lambda 0^\circ$
 $\gamma 0^\circ$

DIN
1835B

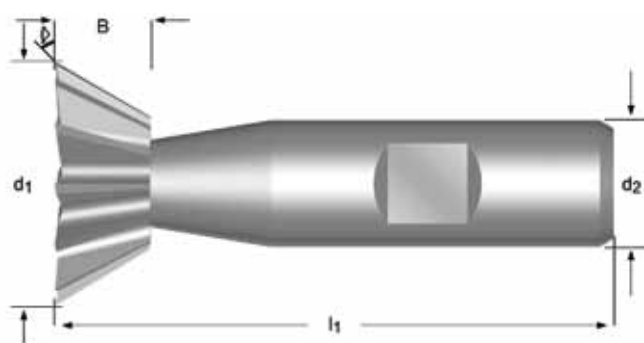

js16


DIN
1833C

C830

- Rybinovité frézy
- Грибковые фрезы для обработки пазов типа “ласточкин хвост”
- Frezy do rowków trapezowych
- Rybinovité frézy

C830	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											


C830


12.00 - 32.00

$\varnothing$	B	d ₁ Ø	l ₁	d ₂ Ø _{h₆}	z	C830
mm	mm	mm	mm	mm		
45°	3.5	12.0	54	10	10	C83012.0X45
45°	4.0	16.0	60	12	10	C83016.0X45
45°	5.0	20.0	63	12	10	C83020.0X45
45°	6.3	25.0	67	12	10	C83025.0X45
45°	8.0	32.0	71	16	12	C83032.0X45
60°	5.0	12.0	54	10	10	C83012.0X60
60°	6.3	16.0	60	12	10	C83016.0X60
60°	8.0	20.0	63	12	10	C83020.0X60
60°	10.0	25.0	67	12	10	C83025.0X60
60°	12.5	32.0	71	16	12	C83032.0X60

C831

HSS-E



N

Z
10-12



$\lambda 0^\circ$
 $\gamma 0^\circ$

DIN
1835B



js16

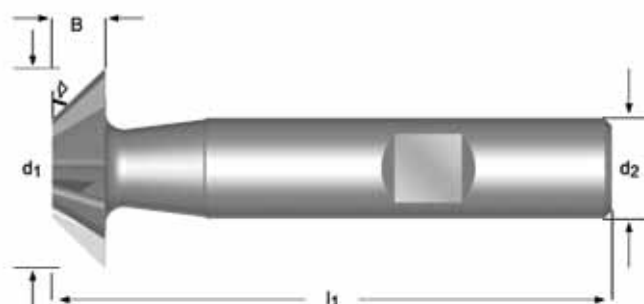


DIN
1833D

C831

- Fréza rybinovitá inverzní
- Грибковые фрезы для обработки пазов типа “обратный ласточкин хвост”
- Frez przeciwstawny do rowków trapezowych
- Fréza rybinovitá inverzná

C831	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											



	B	d ₁ Ø	l ₁	d ₂ Øh ₆	z	C831
	mm	mm	mm	mm		
45°	3.5	12.0	54	10	10	C83112.0X45
45°	4.0	16.0	60	12	10	C83116.0X45
45°	5.0	20.0	63	12	10	C83120.0X45
45°	6.3	25.0	67	12	10	C83125.0X45
45°	8.0	32.0	71	16	12	C83132.0X45
60°	5.0	12.0	54	10	10	C83112.0X60
60°	6.3	16.0	60	12	10	C83116.0X60
60°	8.0	20.0	63	12	10	C83120.0X60
60°	10.0	25.0	67	12	10	C83125.0X60
60°	12.5	32.0	71	16	12	C83132.0X60

C710

HSS



N

Z

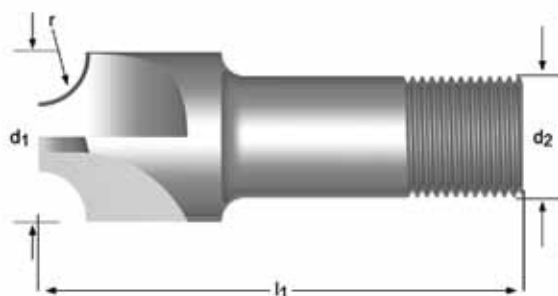
4



- Tvarové frézy radiusové
- Концевая фреза для снятия радиусных фасок
- Frezy do promieni
- Tvarové frézy rádiusové

C710

C710	■	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	7.3
	•	1.5	1.6	2.3	4.3	5.3	6.4	7.4	10.1												


C710


1/16 - 1/2

r	d ₁	d ₂	d ₂	l ₁		C710
Inch	Inch	Øh ₈ Inch	Ø mm	mm	z	
1/16	3/8	3/8	9.53	60.5	4	C7101/16
3/32	7/16	3/8	9.53	60.5	4	C7103/32
1/8	1/2	1/2	12.70	60.5	4	C7101/8
5/32	9/16	1/2	12.70	60.5	4	C7105/32
3/16	5/8	5/8	15.88	60.5	4	C7103/16
7/32	3/4	5/8	15.88	63.5	4	C7107/32
1/4	7/8	5/8	15.88	63.5	4	C7101/4
5/16	1"	1"	25.40	73.0	4	C7105/16
3/8	1.1/16	1"	25.40	76.0	4	C7103/8
7/16	1.3/16	1"	25.40	79.5	4	C7107/16
1/2	1.3/8	1"	25.40	82.5	4	C7101/2

C700

HSS-E



N

Z
4-6



$\lambda 0^\circ$
 $\gamma 0^\circ$

DIN
1835B

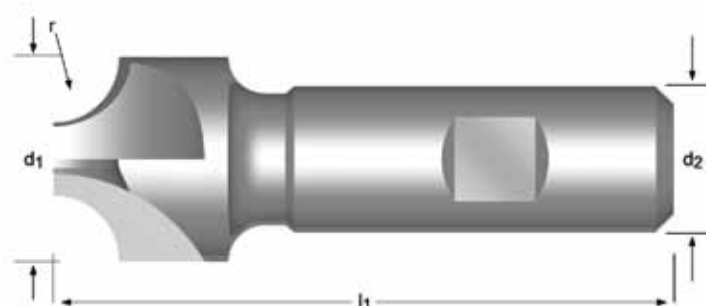


DORMER

C700

- Tvarové frézy radiusové
- Концевая фреза для снятия радиусных фасок
- Frezy do promieni
- Tvarové frézy rádiusové

C700	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	10.1												

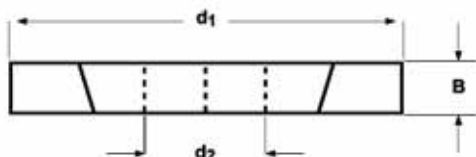


r mm	d ₁ Ø mm	d ₂ Øh ₆ mm	l ₁ mm	z	C700
1.00	10	10	60	4	C7001.0
1.50	10	10	60	4	C7001.5
2.00	10	10	60	4	C7002.0
2.50	10	10	60	4	C7002.5
3.00	12	12	60	4	C7003.0
3.50	12	12	60	4	C7003.5
4.00	15	12	60	4	C7004.0
5.00	18	16	70	4	C7005.0
6.00	21	16	70	4	C7006.0
7.00	24	16	70	4	C7007.0
8.00	24	16	70	4	C7008.0
9.00	28	20	85	4	C7009.0
10.00	28	20	85	4	C70010.0
12.00	35	20	100	4	C70012.0
12.50	35	20	100	4	C70012.5
14.00	42	25	100	4	C70014.0
15.00	48	25	105	5	C70015.0
16.00	48	25	105	5	C70016.0
18.00	52	32	115	5	C70018.0
20.00	60	32	115	6	C70020.0

D200	HSS-E				Z 16-30			$\lambda 15^\circ$ $\gamma 10^\circ$			js16		DIN 885A
D763	HSS-E				Z 28-44			$\lambda 15^\circ$ $\gamma 10^\circ$			js16		DIN 885A

- D200**
- Fréza čelní a stranová
 - Трехсторонняя дисковая фреза
- D763**
- Frez tarczowy trzystronny
 - Fréza čelní a stranová

D200; D763	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2
	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1								



D200	D763
50.00 - 200.00	63.00 - 125.00

d ₁ Ø mm	B mm	d ₂ Ø mm	z	D200	D763
50.00	4.0	16	16	D20050.0X4.0	
50.00	5.0	16	16	D20050.0X5.0	
50.00	6.0	16	16	D20050.0X6.0	
50.00	8.0	16	16	D20050.0X8.0	
50.00	10.0	16	16	D20050.0X10.0	
63.00	1.6	22	32		D76363.0X1.6
63.00	2.0	22	32		D76363.0X2.0
63.00	2.5	22	32		D76363.0X2.5
63.00	3.0	22	28		D76363.0X3.0
63.00	3.5	22	28		D76363.0X3.5
63.00	4.0	22	18	D20063.0X4.0	
63.00	5.0	22	18	D20063.0X5.0	
63.00	6.0	22	18	D20063.0X6.0	
63.00	8.0	22	18	D20063.0X8.0	
63.00	10.0	22	18	D20063.0X10.0	
63.00	12.0	22	18	D20063.0X12.0	
63.00	14.0	22	18	D20063.0X14.0	
63.00	16.0	22	16	D20063.0X16.0	
80.00	2.0	27	36		D76380.0X2.0
80.00	2.5	27	36		D76380.0X2.5
80.00	3.0	27	32		D76380.0X3.0
80.00	3.5	27	32		D76380.0X3.5
80.00	4.0	27	20	D20080.0X4.0	
80.00	5.0	27	20	D20080.0X5.0	
80.00	6.0	27	20	D20080.0X6.0	
80.00	8.0	27	20	D20080.0X8.0	
80.00	10.0	27	18	D20080.0X10.0	
80.00	12.0	27	18	D20080.0X12.0	
80.00	14.0	27	18	D20080.0X14.0	
80.00	16.0	27	18	D20080.0X16.0	
80.00	20.0	27	18	D20080.0X20.0	
100.00	2.0	32	44		D763100.0X2.0
100.00	2.5	32	44		D763100.0X2.5
100.00	3.0	32	40		D763100.0X3.0

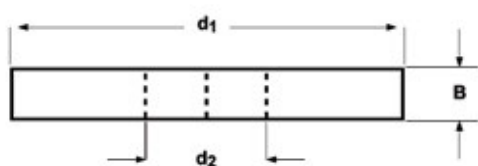
d ₁ Ø mm	B mm	d ₂ Ø mm	z	D200	D763
100.00	3.5	32	40		D763100.0X3.5
100.00	4.0	32	24	D200100.0X4.0	
100.00	5.0	32	24	D200100.0X5.0	
100.00	6.0	32	24	D200100.0X6.0	
100.00	8.0	32	22	D200100.0X8.0	
100.00	10.0	32	22	D200100.0X10.0	
100.00	12.0	32	20	D200100.0X12.0	
100.00	14.0	32	20	D200100.0X14.0	
100.00	16.0	32	20	D200100.0X16.0	
100.00	18.0	32	20	D200100.0X18.0	
100.00	20.0	32	20	D200100.0X20.0	
100.00	25.0	32	20	D200100.0X25.0	
125.00	2.0	32	44		D763125.0X2.0
125.00	2.5	32	44		D763125.0X2.5
125.00	3.0	32	44		D763125.0X3.0
125.00	3.5	32	40		D763125.0X3.5
125.00	4.0	32	40		D763125.0X4.0
125.00	6.0	32	26	D200125.0X6.0	
125.00	8.0	32	26	D200125.0X8.0	
125.00	10.0	32	24	D200125.0X10.0	
125.00	12.0	32	22	D200125.0X12.0	
125.00	14.0	32	22	D200125.0X14.0	
125.00	16.0	32	22	D200125.0X16.0	
125.00	20.0	32	22	D200125.0X20.0	
125.00	25.0	32	22	D200125.0X25.0	
160.00	8.0	40	28	D200160.0X8.0	
160.00	10.0	40	26	D200160.0X10.0	
160.00	12.0	40	26	D200160.0X12.0	
160.00	14.0	40	24	D200160.0X14.0	
160.00	16.0	40	24	D200160.0X16.0	
160.00	18.0	40	24	D200160.0X18.0	
160.00	20.0	40	24	D200160.0X20.0	
200.00	12.0	40	30	D200200.0X12.0	
200.00	16.0	40	30	D200200.0X16.0	
200.00	20.0	40	30	D200200.0X20.0	

D745
HSS


- Fréza kotoučová, pilka
- Фреза дисковая отрезная
- Frezy piłkowe do metalu
- Fréza kotúčová, pilka

D745

D745	■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	6.1	6.2	6.3	7.1	7.2	7.3	8.1
	•	2.1	2.2												


D745


50.00 - 315.00

d_1 Ø mm	B mm	d_2 Ø mm	z	D745
50.00	0.5	13	48	D74550.0X.5
50.00	0.6	13	48	D74550.0X.6
50.00	0.8	13	40	D74550.0X.8
50.00	1.0	13	40	D74550.0X1.0
50.00	1.2	13	40	D74550.0X1.2
50.00	1.5	13	32	D74550.0X1.5
50.00	1.6	13	32	D74550.0X1.6
50.00	2.0	13	32	D74550.0X2.0
50.00	2.5	13	32	D74550.0X2.5
50.00	3.0	13	24	D74550.0X3.0
63.00	0.5	16	64	D74563.0X.5
63.00	0.6	16	48	D74563.0X.6
63.00	0.8	16	48	D74563.0X.8
63.00	1.0	16	48	D74563.0X1.0
63.00	1.2	16	40	D74563.0X1.2
63.00	1.5	16	40	D74563.0X1.5
63.00	1.6	16	40	D74563.0X1.6
63.00	2.0	16	40	D74563.0X2.0
63.00	2.5	16	32	D74563.0X2.5
63.00	3.0	16	32	D74563.0X3.0
80.00	0.5	22	64	D74580.0X.5
80.00	0.6	22	64	D74580.0X.6
80.00	0.8	22	64	D74580.0X.8
80.00	1.0	22	48	D74580.0X1.0
80.00	1.2	22	48	D74580.0X1.2
80.00	1.5	22	48	D74580.0X1.5
80.00	1.6	22	48	D74580.0X1.6
80.00	2.0	22	40	D74580.0X2.0
80.00	2.5	22	40	D74580.0X2.5
80.00	3.0	22	40	D74580.0X3.0
80.00	4.0	22	32	D74580.0X4.0
80.00	5.0	22	32	D74580.0X5.0
80.00	6.0	22	32	D74580.0X6.0
100.00	0.5	22	80	D745100.0X.5
100.00	0.6	22	80	D745100.0X.6
100.00	0.8	22	64	D745100.0X.8
100.00	1.0	22	64	D745100.0X1.0
100.00	1.2	22	64	D745100.0X1.2

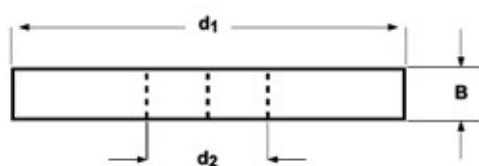
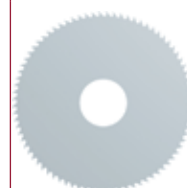
d₁ Ø mm	B mm	d₂ Ø mm	z	D745
100.00	1.5	22	48	D745100.0X1.5
100.00	1.6	22	48	D745100.0X1.6
100.00	2.0	22	48	D745100.0X2.0
100.00	2.5	22	48	D745100.0X2.5
100.00	3.0	22	40	D745100.0X3.0
100.00	4.0	22	40	D745100.0X4.0
100.00	5.0	22	40	D745100.0X5.0
100.00	6.0	22	32	D745100.0X6.0
125.00	1.0	22	80	D745125.0X1.0
125.00	1.2	22	64	D745125.0X1.2
125.00	1.5	22	64	D745125.0X1.5
125.00	1.6	22	64	D745125.0X1.6
125.00	2.0	22	64	D745125.0X2.0
125.00	2.5	22	48	D745125.0X2.5
125.00	3.0	22	48	D745125.0X3.0
125.00	4.0	22	48	D745125.0X4.0
125.00	5.0	22	40	D745125.0X5.0
125.00	6.0	22	40	D745125.0X6.0
160.00	1.0	32	80	D745160.0X1.0
160.00	1.2	32	80	D745160.0X1.2
160.00	1.5	32	80	D745160.0X1.5
160.00	1.6	32	80	D745160.0X1.6
160.00	2.0	32	64	D745160.0X2.0
160.00	2.5	32	64	D745160.0X2.5
160.00	3.0	32	64	D745160.0X3.0
160.00	4.0	32	48	D745160.0X4.0
160.00	5.0	32	48	D745160.0X5.0
160.00	6.0	32	48	D745160.0X6.0
200.00	1.0	32	100	D745200.0X1.0
200.00	1.2	32	100	D745200.0X1.2
200.00	1.5	32	80	D745200.0X1.5
200.00	1.6	32	80	D745200.0X1.6
200.00	2.0	32	80	D745200.0X2.0
200.00	2.5	32	80	D745200.0X2.5
200.00	3.0	32	64	D745200.0X3.0
200.00	4.0	32	64	D745200.0X4.0
200.00	5.0	32	64	D745200.0X5.0
200.00	6.0	32	48	D745200.0X6.0
250.00	2.0	32	100	D745250.0X2.0
250.00	2.5	32	80	D745250.0X2.5
250.00	3.0	32	80	D745250.0X3.0
250.00	4.0	32	80	D745250.0X4.0
250.00	5.0	32	64	D745250.0X5.0
250.00	6.0	32	64	D745250.0X6.0
315.00	2.5	40	100	D745315.0X2.5
315.00	3.0	40	100	D745315.0X3.0

D747
HSS


- Fréza kotoučová, pilka
- Фреза дисковая отрезная
- Frezy piłkowe do metalu
- Fréza kotúčová, pilka

D747

D747	■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	6.1	6.2	6.3	7.1	7.2	7.3	8.1
	•	2.1	2.2												


D747


32.00 - 315.00

d ₁ Ø mm	B mm	d ₂ Ø mm	z	D747
32.00	0.3	8	80	D74732.0X.3
32.00	0.4	8	80	D74732.0X.4
32.00	0.5	8	80	D74732.0X.5
32.00	0.6	8	64	D74732.0X.6
32.00	0.8	8	64	D74732.0X.8
32.00	1.0	8	64	D74732.0X1.0
32.00	1.2	8	48	D74732.0X1.2
32.00	1.5	8	48	D74732.0X1.5
32.00	1.6	8	48	D74732.0X1.6
32.00	2.0	8	48	D74732.0X2.0
32.00	2.5	8	40	D74732.0X2.5
32.00	3.0	8	40	D74732.0X3.0
40.00	0.3	10	100	D74740.0X.3
40.00	0.4	10	100	D74740.0X.4
40.00	0.5	10	80	D74740.0X.5
40.00	0.6	10	80	D74740.0X.6
40.00	0.8	10	80	D74740.0X.8
40.00	1.0	10	64	D74740.0X1.0
40.00	1.2	10	64	D74740.0X1.2
40.00	1.5	10	64	D74740.0X1.5
40.00	1.6	10	64	D74740.0X1.6
40.00	2.0	10	48	D74740.0X2.0
40.00	2.5	10	48	D74740.0X2.5
40.00	3.0	10	48	D74740.0X3.0
50.00	0.3	13	128	D74750.0X.3
50.00	0.4	13	100	D74750.0X.4
50.00	0.5	13	100	D74750.0X.5
50.00	0.6	13	100	D74750.0X.6
50.00	0.8	13	80	D74750.0X.8
50.00	1.0	13	80	D74750.0X1.0
50.00	1.2	13	80	D74750.0X1.2
50.00	1.5	13	64	D74750.0X1.5
50.00	1.6	13	64	D74750.0X1.6
50.00	2.0	13	64	D74750.0X2.0
50.00	2.5	13	64	D74750.0X2.5
50.00	3.0	13	48	D74750.0X3.0
50.00	4.0	13	48	D74750.0X4.0
50.00	5.0	13	48	D74750.0X5.0

d ₁ Ø mm	B mm	d ₂ Ø mm	z	D747
50.00	6.0	13	40	D74750.0X6.0
63.00	0.3	16	128	D74763.0X.3
63.00	0.4	16	128	D74763.0X.4
63.00	0.5	16	128	D74763.0X.5
63.00	0.6	16	100	D74763.0X.6
63.00	0.8	16	100	D74763.0X.8
63.00	1.0	16	100	D74763.0X1.0
63.00	1.2	16	80	D74763.0X1.2
63.00	1.5	16	80	D74763.0X1.5
63.00	1.6	16	80	D74763.0X1.6
63.00	2.0	16	80	D74763.0X2.0
63.00	2.5	16	64	D74763.0X2.5
63.00	3.0	16	64	D74763.0X3.0
63.00	4.0	16	64	D74763.0X4.0
63.00	5.0	16	48	D74763.0X5.0
63.00	6.0	16	48	D74763.0X6.0
80.00	0.4	22	160	D74780.0X.4
80.00	0.5	22	128	D74780.0X.5
80.00	0.6	22	128	D74780.0X.6
80.00	0.8	22	128	D74780.0X.8
80.00	1.0	22	100	D74780.0X1.0
80.00	1.2	22	100	D74780.0X1.2
80.00	1.5	22	100	D74780.0X1.5
80.00	1.6	22	100	D74780.0X1.6
80.00	2.0	22	80	D74780.0X2.0
80.00	2.5	22	80	D74780.0X2.5
80.00	3.0	22	80	D74780.0X3.0
80.00	4.0	22	64	D74780.0X4.0
80.00	5.0	22	64	D74780.0X5.0
80.00	6.0	22	64	D74780.0X6.0
100.00	0.5	22	160	D747100.0X.5
100.00	0.6	22	160	D747100.0X.6
100.00	0.8	22	128	D747100.0X.8
100.00	1.0	22	128	D747100.0X1.0
100.00	1.2	22	128	D747100.0X1.2
100.00	1.5	22	100	D747100.0X1.5
100.00	1.6	22	100	D747100.0X1.6
100.00	2.0	22	100	D747100.0X2.0
100.00	2.5	22	100	D747100.0X2.5
100.00	3.0	22	80	D747100.0X3.0
100.00	4.0	22	80	D747100.0X4.0
100.00	5.0	22	80	D747100.0X5.0
100.00	6.0	22	64	D747100.0X6.0
125.00	1.0	22	160	D747125.0X1.0
125.00	1.2	22	128	D747125.0X1.2
125.00	1.5	22	128	D747125.0X1.5
125.00	1.6	22	128	D747125.0X1.6
125.00	2.0	22	128	D747125.0X2.0
125.00	2.5	22	100	D747125.0X2.5
125.00	3.0	22	100	D747125.0X3.0
125.00	4.0	22	100	D747125.0X4.0
125.00	5.0	22	80	D747125.0X5.0
125.00	6.0	22	80	D747125.0X6.0
160.00	1.0	32	160	D747160.0X1.0
160.00	1.2	32	160	D747160.0X1.2
160.00	1.5	32	160	D747160.0X1.5
160.00	1.6	32	160	D747160.0X1.6
160.00	2.0	32	128	D747160.0X2.0
160.00	2.5	32	128	D747160.0X2.5
160.00	3.0	32	128	D747160.0X3.0
160.00	4.0	32	100	D747160.0X4.0
160.00	5.0	32	100	D747160.0X5.0
160.00	6.0	32	100	D747160.0X6.0
200.00	1.0	32	200	D747200.0X1.0
200.00	1.2	32	200	D747200.0X1.2
200.00	1.5	32	160	D747200.0X1.5
200.00	1.6	32	160	D747200.0X1.6
200.00	2.0	32	160	D747200.0X2.0

d_1 Ø mm	B mm	d_2 Ø mm	z	D747
200.00	2.5	32	160	D747200.0X2.5
200.00	3.0	32	128	D747200.0X3.0
200.00	4.0	32	128	D747200.0X4.0
200.00	5.0	32	128	D747200.0X5.0
200.00	6.0	32	100	D747200.0X6.0
250.00	2.0	32	200	D747250.0X2.0
250.00	2.5	32	160	D747250.0X2.5
250.00	3.0	32	160	D747250.0X3.0
250.00	4.0	32	160	D747250.0X4.0
250.00	5.0	32	128	D747250.0X5.0
250.00	6.0	32	128	D747250.0X6.0
315.00	2.5	40	200	D747315.0X2.5
315.00	3.0	40	200	D747315.0X3.0
315.00	4.0	40	160	D747315.0X4.0
315.00	5.0	40	160	D747315.0X5.0
315.00	6.0	40	160	D747315.0X6.0

D752

HSS



Z
80-180

$\gamma 18^\circ$



ST



D753

HSS



Z
100-140

$\gamma 18^\circ$



ST



D752

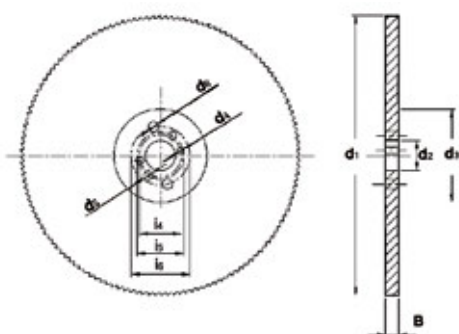
- Fréza kotoučová, pilka
- Фреза дисковая отрезная

D753

- Frezy piłkowe do metalu
- Fréza kotúčová, pilka

D752; D753

1.1	1.2	1.3	1.4	3.1	3.2	3.3	6.1	6.2	6.3	7.1	7.2	7.3	8.1
2.1	2.2												



D752



200.00 - 350.00

D753



250.00 - 350.00

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	d ₄ Ø mm	i ₄ mm	d ₅ Ø mm	i ₅ mm	d ₆ Ø mm	i ₆ mm	D752	D753
200	1.8	32	80	8	100	8	45	9	50	11	63	D752200.0X1.8X80	
200	1.8	32	100	6	100	8	45	9	50	11	63	D752200.0X1.8X100	
225	2.0	32	90	8	100	8	45	9	50	11	63	D752225.0X2.0X90	
225	2.0	32	120	6	100	8	45	9	50	11	63	D752225.0X2.0X120	
250	2.0	32	100	8	100	8	45	9	50	11	63		D753250.0X2.0
250	2.0	32	128	6	100	8	45	9	50	11	63	D752250.0X2.0X128	
275	2.5	32	110	8	100	8	45	9	50	11	63	D752275.0X2.5X110	
300	2.5	32	120	8	100	8	45	9	50	11	63		D753300.0X2.5
300	2.5	32	160	6	100	8	45	9	50	11	63	D752300.0X2.5X160	
315	2.5	32	120	8	100	8	45	9	50	11	63		D753315.0X2.5
315	2.5	32	160	6	100	8	45	9	50	11	63	D752315.0X2.5X160	
350	2.5	32	140	8	120	8	45	9	50	11	63		D753350.0X2.5
350	2.5	32	180	6	120	8	45	9	50	11	63	D752350.0X2.5X180	

D750

HSS


Z
128-220

 $\gamma 18^\circ$


ST


D751

HSS


Z
160-350

 $\gamma 18^\circ$


ST


D750

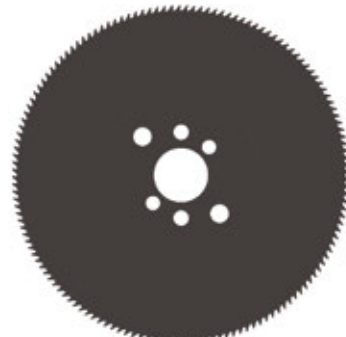
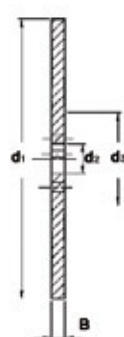
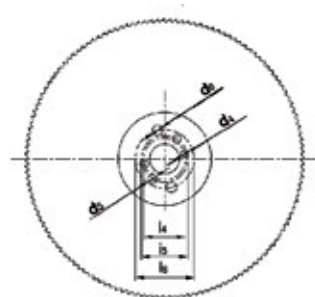
- Fréza kotoučová, pilka
- Фреза дисковая отрезная

D751

- Frezy pilkowe do metalu
- Fréza kotúčová, pilka

D750; D751

■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	6.1	6.2	6.3	7.1	7.2	7.3	8.1
•	2.1	2.2												



D750



200.00 - 350.00

D751



200.00 - 350.00

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	d ₄ Ø mm	i ₄ mm	d ₅ Ø mm	i ₅ mm	d ₆ Ø mm	i ₆ mm	D750	D751
200	1.8	32	130	5	100	8	45	9	50	11	63	D750200.0X1.8	
200	1.8	32	160	4	100	8	45	9	50	11	63		D751200.0X1.8X160
200	1.8	32	200	3	100	8	45	9	50	11	63		D751200.0X1.8X200
225	2.0	32	140	5	100	8	45	9	50	11	63	D750225.0X2.0	
225	2.0	32	180	4	100	8	45	9	50	11	63		D751225.0X2.0X180
225	2.0	32	220	3	100	8	45	9	50	11	63		D751225.0X2.0X220
250	2.0	32	160	5	100	8	45	9	50	11	63	D750250.0X2.0	
250	2.0	32	200	4	100	8	45	9	50	11	63		D751250.0X2.0X200
250	2.0	32	250	3	100	8	45	9	50	11	63		D751250.0X2.0X250
275	2.5	32	180	5	100	8	45	9	50	11	63	D750275.0X2.5	
275	2.5	32	220	4	100	8	45	9	50	11	63		D751275.0X2.5X220
275	2.5	32	280	3	100	8	45	9	50	11	63		D751275.0X2.5X280
300	2.5	32	180	5	100	8	45	9	50	11	63	D750300.0X2.5	
300	2.5	32	220	4	100	8	45	9	50	11	63		D751300.0X2.5X220
300	2.5	32	300	3	100	8	45	9	50	11	63		D751300.0X2.5X300
315	2.5	32	200	5	100	8	45	9	50	11	63	D750315.0X2.5	
315	2.5	32	240	4	100	8	45	9	50	11	63		D751315.0X2.5X240
315	2.5	32	320	3	100	8	45	9	50	11	63		D751315.0X2.5X320
350	2.5	32	220	5	120	8	45	9	59	11	63	D750350.0X2.5	
350	2.5	32	280	4	120	8	45	9	50	11	63		D751350.0X2.5X280
350	2.5	32	350	3	120	8	45	9	50	11	63		D751350.0X2.5X350