

S

S002	606	S256	626
S003	615	S259	627
S004	621	S271	620
S005	609	S275	623
S006	618	S276	623
S007	625	S281	629
S015	609	S282	629
S016	618	S290	631
S017	625	S302	612
S022	606	S306	628
S033	615	S308	617
S044	621	S311	613
S102	605	S320	613
S105	632	S322	614
S120	607	S326	619
S122	607	S327	619
S124	603	S332	630
S125	603	S333	630
S130	611	S500	634
S132	611	S501	634
S140	610	S502	636
S142	610	S503	635
S150	604	S505	635
S152	604	S510	637
S170	632	S511	637
S190	631	S522	633
S201	620	S532	636
S241	624	S902	608
S250	626	S903	616
S251	627	S904	622



595 - 740



C

C110	650	C381	664
C122	657	C382	669
C123	655	C383	670
C126	651	C391	667
C135	659	C392	672
C139	656	C400	704
C159	686	C403	706
C165	654	C407	696
C166	687	C413	704
C167	658	C424	702
C169	686	C426	693
C191	652	C428	693
C192	660	C429	706
C246	674	C436	694
C247	673	C437	694
C270	679	C439	703
C272	685	C460	705
C273	680	C475	698
C291	677	C477	700
C292	684	C491	695
C295	681	C492	695
C299	676	C493	697
C305	668	C500	707
C306	661	C502	712
C324	691	C503	707
C333	689	C505	709
C336	688	C510	714
C346	671	C511	711
C352	668	C514	713
C353	662	C516	714
C358	688	C530	708
C359	689	C535	710
C365	690	C700	722
C367	666	C710	722
C368	665	C800	715
C380	663	C801	721

**595 - 740****D**

C810	716	D200	729
C820	719	D400	735
C822	718	D401	736
C825	717	D402	737
C830	723	D403	739
C831	725	D412	738
C835	724	D413	736
C837	724	D420	735
C903	683	D422	737
C905	692	D423	739
C907	676	D500	726
C908	696	D552	727
C920	683	D745	732
C921	701	D747	730
C922	692	D750	733
C927	675	D751	733
C929	702	D752	734
C940	682	D753	734
C944	699	D763	728
C948	699		

	S124	S125	S150	S152	S102	S002	S022	S120	S122	S902	S005	S015	S140
	N	N	N	N	N	N	N	N	N	N	N	N	N
	z1	z1	z2	z2	z2	z2	z2	z2	z2	z2	z2	z2	z2
													
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
		TiCN	TiAlN	TiAlN	TiAlN		Super G		TiAlN			Super G	
	DIN 6527	DIN 6527	D	D	DIN 6527	D	D	DIN 6527	DIN 6527	D	D	D	D
													
													
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	h10	h10	h9	h9	h10			h10	h10	h10			h10
	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°
	HSM	HSM	HSM	HSM									HSM
	3.00 - 10.00	3.00 - 10.00	0.40 - 1.00	0.50 - 1.00	2.00 - 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	2.00 - 20.00
										NEW 2008.09			NEW 2007.10
	603	603	604	604	605	606	606	607	607	608	609	609	610
1.1	■55A		■180B	■180B	■200B	■80B	■140B	●109B	■182B	■65B	■80B	■130B	
1.2	■44A		■180B	■180B	■200B	■80B	■140B	●109B	■182B	■65B	■80B	■130B	
1.3	●38B		■150B	■150B	■130B	■70B	■115B	●81B	■118B	■55B	■70B	■110B	
1.4	●33B		■150B	■150B	■130B	■60B	■99B	●81B	■118B	■50B	■60B	■90B	
1.5			■120B	■120B	■100B	●40B	■66B		■91B	●30B	●40B	■60B	
1.6			■80B	■80B	■80B		●46B		■73B			●46B	
1.7			■70A	■70A	■50A				■45A				
1.8			■40A	■40A	●40A				●36A				
2.1	●25F		■90A	■90A	●90A		●73A		●81A			●70A	
2.2			■70A	■70A	●60A		●56A		●54A			●50A	
2.3			■60A	■60A	●60A		●44A		●54A			●40A	
2.4													
3.1	●30A		■160B	■160B	■150B	■60B	■105B	●109B	■136B	■55B	■60B	■100B	
3.2	●25A		■140B	■140B	■90B	●40B	■77B	●54B	■82B	●30B	●40B	■70B	
3.3	●44B		■165B	■165B	■120B	■60B	■99B	●90B	■109B	■55B	■60B	■90B	
3.4	●27B		■130B	■130B	■80B	●40B	■77B	●54B	■73B	●30B	●40B	■70B	
4.1	●30D				■150B	■80B	■123B	■109B	■136B	■65B	■80B	■110B	
4.2	●25D		■100B	■100B	■100B	●40B	■66B	■72B	■91B	●30B	●40B	■60B	
4.3			■65B	■65B	■50B	●20B	■33B	■36B	■45B	●15B	●20B	■30B	
5.1	■52D				■150B	■80B	■176B	●109B	■136B	■65B	■80B	■160B	
5.2	●14C		■55A	■55A	■30A			●22A	■27A				
5.3			■30A	■30A	■25A			●18A	■23A				
6.1	■137C		■450C	■450C	■400C	■180C	■287C	■250C	■365C	■145C	■180C	■260C	
6.2	■137C		■450C	■450C	■400C	■180C	■287C	■250C	■365C	■145C	■180C	■260C	
6.3	■137C		■450C	■450C	■400C	■180C	■287C	■250C	■365C	■145C	■180C	■260C	
6.4			■60B	■60B	■60B	●35B	■44B			●28B	●35B		
7.1	■330E	●950C	■950C	■950C	■950C	●700C	●1000C	●950C	●950C	●550C	●700C	●1000C	■800A
7.2	■330E	●950C	■950C	■950C	■950C	●700C	●1000C	●950C	●950C	●550C	●700C	●1000C	■1000A
7.3	●99E	■600C	■725C	■725C	●600C	●200C	●330C	●318C	●545C	●170C	●200C	●330C	■1000A
7.4		■350B	■350B	■350B	■350B		●163B	●181B	●318B			●163B	
8.1	●137C	■350C			●350C	●200C	●330C	●227C	●318C	●160C	●200C	●330C	■280A
8.2		■350C	■180C	■180C	●350C	●80C	●123C	●227C	●318C	●65C	●80C	●123C	
8.3		■350B	■120B	■120B	●350B	●40B		●227B	●318B	●30B	●40B	●66B	
9.1			■10A	■10A	■6A				■5A				
10.1			■275B	■275B									
az	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	1.0

	S142	S130	S132	S302	S320	S311	S322	S003	S033	S903	S308	S006	S016
	N	N	N	N	N	N	N	N	N	N	N	N	N
	z2	z2	z2	z3	z3	z3	z3	z3	z3	z3	z3	z3	z3
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
				TiAIN X		TiAIN X	TiAIN X		Supper C		TiAIN X		Supper C
	D	D	D	DIN 6527	DIN 6527	DIN 6527	DIN 6527	D	D	D	DIN 6527	D	D
				P9				P9	P9			P9	P9
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	h10	h10	h10	e8 h10	h10	h10	h10			h10	h10		
	λ 25°	λ 25°	λ 25°	λ 30°	λ 30°	λ 45°	λ 30°	λ 30°	λ 30°	λ 30°	λ 60°	λ 30°	λ 30°
	HSM	HSM	HSM										
	2.00 - 20.00	2.00 - 20.00	2.00 - 12.00	2.00 - 20.00	1.00 - 20.00	4.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	10.00 - 20.00	2.00 - 20.00	2.00 - 20.00
	NEW 2007.10									NEW 2008.09			
	610	611	611	612	613	613	614	615	615	616	617	618	618
1.1				■200B	●109B	■181B	■181B	■80B	■140B	■65B	■153B	■80B	■140B
1.2				■200B	●109B	■181B	■181B	■80B	■140B	■65B	■153B	■80B	■140B
1.3				■130B	●81B	■118B	■118B	■70B	■115B	■55B	■100B	■70B	■115B
1.4				■130B	●81B	■118B	■118B	■60B	■99B	■50B	●100B	■60B	■99B
1.5				■100B		■90B	■90B	●40B	■66B	●30B	●76B	●40B	■66B
1.6				■80B		■72B	■72B		●46B		●61B		●46B
1.7				■50A		●45A	■45A				●38A		
1.8				●40A		●36A	●36A				●30A		
2.1						■81A			●73A		■69A		●73A
2.2						■54A			●56A		●46A		●56A
2.3						■54A			●44A		●46A		●44A
2.4													
3.1				■150B	●109B	●136B	■136B	■60B	■105B	■55B	●115B	■60B	■105B
3.2				■90B	●54B	●81B	■81B	●40B	■77B	●30B	●69B	●40B	■77B
3.3				■120B	●90B	●109B	■109B	■60B	■99B	■55B	●92B	■60B	■99B
3.4				■80B	●54B	●72B	■72B	●40B	■77B	●30B	●61B	●40B	■77B
4.1		■120B	■104B	●150B	●109B	●136B	●136B	■80B	■123B	■65B	■115B	■80B	■123B
4.2				●100B	●72B	■90B	●90B	●40B	■66B	●30B	●76B	●40B	■66B
4.3				●50B	●36B	■45B	●45B	●20B	■33B	●15B	●38B	●20B	■33B
5.1		■200B	■173B	■150B	●109B	●136B	■136B	■80B	■176B	■65B	■115B	■80B	■176B
5.2				■30A	●22A	■27A	■27A				●23A		
5.3				■25A	●18A	■22A	■22A						
6.1		■270C	■234C	■400C	■227C	●363C	■363C	■180C	■287C	■145C	●307C	■180C	■287C
6.2		■270C	■234C	■400C	■227C	●363C	■363C	■180C	■287C	■145C	●307C	■180C	■287C
6.3		■270C	■234C	■400C	■227C	●363C	■363C	■180C	■287C	■145C	●307C	■180C	■287C
6.4		■20B	■17B	■60B	■36C	●54B	■54B	●35B	■44B	●28B	●46B	●35B	■44B
7.1	■650A	■950C	■826C	■950C	■950C	●950C	■950C	●700C	■1000C	●550C	●950C	●700C	■1000C
7.2	■800A	■950C	■826C	■950C	■950C	●950C	■950C	●700C	■1000C	●550C	●950C	●700C	■1000C
7.3	■800A	■450C	■391C	■600C	■318C	●545C	■545C	●200C	●330C	●160C	●461C	●200C	●330C
7.4		■180B	■156B	■350B	■181B	●318B	■318B		●163B		●269B		●163B
8.1	■240A	■180C	■156C	■350C	■227C	●318C	■318C	●200C	●330C	●160C	●269C	●200C	●330C
8.2		■130C	■113C	■350C	■227C	●318C	■318C	●80C	●123C	●65C	●269C	●80C	●123C
8.3		■70B	■60B	■350B	■227B	●318B	■318B	●40B	●66B	●30B	●269B	●40B	●66B
9.1				■6A		■5A	■5A				■4A		
10.1													
a _z	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.8	0.8

	S326	S327	S271	S201	S004	S044	S904	S275	S276	S241	S007	S017	S250
	N	N	N	N	N	N	N	N	N	N	N	N	N
	z3	z3	z4	z4	z4	z4	z4	z4	z4	z4	z4	z4	z4
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN	TiN
	D	D	DIN 6527	DIN 6527	D	D	D	DIN 6527	DIN 6527	DIN 6527	D	D	DIN 6527
	h10	h10	h10	h10	h10	h10	h12	h10	h10	h10	h10	h10	h10
	λ 30°	λ 30°	λ 30°	λ 30°	λ 38°	λ 38°	λ 30°	λ 30°	λ 30°	λ 30°	λ 38°	λ 38°	λ 38°
	2.00 - 20.00	2.00 - 20.00	4.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 20.00	2.00 - 25.00	3.50 - 20.00	2.00 - 20.00	2.00 - 20.00	3.00 - 20.00
							NEW 2008.09						
	619	619	620	620	621	621	622	623	623	624	625	625	626
1.1	80B	133B	300B	300B	120B	211B	95B	115B	230B	230B	120B	211B	260B
1.2	80B	133B	250B	250B	120B	211B	95B	115B	192B	192B	120B	211B	220B
1.3	60B	86B	200B	200B	100B	165B	80B	92B	153B	153B	100B	165B	175B
1.4	60B	86B	200B	200B	90B	153B	70B	92B	153B	153B	90B	153B	175B
1.5		66B	150B	150B	70B	120B	55B		115B	115B	70B	120B	130B
1.6		53B	120B	120B	40B	77B	30B		92B	92B	40B	77B	105B
1.7		33A	80A	80A					61A	61A			70A
1.8													
2.1			150A	150A		98A			115A	115A		98A	130A
2.2			100A	100A		66A			76A	76A		66A	90A
2.3			100A	100A		66A			76A	76A		66A	90A
2.4													
3.1	80B	100B	250B	250B	100B	198B	80B	115B	192B	192B	100B	198B	220B
3.2	40B	60B	150B	150B	70B	131B	55B	76B	115B	115B	70B	131B	130B
3.3	66B	80B	150B	150B	90B	175B	70B	96B	115B	115B	90B	175B	130B
3.4	40B	53B	125B	125B	70B	107B	55B	76B	96B	96B	70B	107B	110B
4.1	80B	100B	250B	250B	120B	211B	95B	153B	192B	192B	120B	211B	220B
4.2	53B	66B	125B	125B	50B	88B	40B	76B	96B	96B	50B	88B	110B
4.3	26B	33B	80B	80B	40B	66B	30B	46B	61B	61B	40B	66B	70B
5.1	80B	100B	250B	250B	170B	299B	135B	153B	192B	192B	170B	299B	220B
5.2	16A	20A	50A	50A	40A	55A	30A	30A	38A	38A	40A	55A	45A
5.3	13A	16A	40A	40A	30A	43A	25A	23A	30A	30A	30A	43A	35A
6.1	166C	266C	500C	500C	250C	467C	200C	269C	384C	384C	250C	467C	430C
6.2	166C	266C	500C	500C	250C	440C	200C	269C	384C	384C	250C	440C	430C
6.3	166C	266C	500C	500C	250C	440C	200C	269C	384C	384C	250C	440C	430C
6.4	26B	40B	80B	80B	40B	77B	30B	46B	61B	61B	40B	77B	70B
7.1	950C	950C	950C	950C	800C	1100C	640C	950C	950C	950C	800C	1100C	950C
7.2	950C	950C	950C	950C	800C	1100C	640C	950C	950C	950C	800C	1100C	950C
7.3	233C	400C	750C	750C	400C	660C	320C	384C	576C	576C	400C	660C	650C
7.4	133B	233B	400B	400B		330B		153B	307B	307B		330B	350B
8.1	166C	233C	400C	400C	200C	385C	160C	230C	307C	307C	200C	385C	350C
8.2	166C	233C	400C	400C	120C	198C	96C	230C	307C	307C	120C	198C	350C
8.3	166B	233B	400B	400B	70B	107B	55B	230B	307B	307B	70B	107B	350B
9.1		4A	12A	12A		15A			9A	9A		15A	10A
10.1													300B
az	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8	0.8	1.0

	S256	S251	S259	S306	S281	S282	S332	S333	S190	S290	S170	S105
	N	N	N	N	N	N	HR	HRA	N	N	N	N
	z4	z4	z4-5	z6	z6-8	z6-16	z4	z 4	z2	z4	z2-4	z2-4
												
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	6.0550	Super G	TiAIN X	TiAIN X	TiAIN X	TiAIN X	TiCN	Super G	TiAIN X	TiAIN X	TiAIN X	Dia mond
	DIN 6527	DIN 6527	DIN 6527	DIN 6527	D	DIN 6527	D	D	D	D	D	D
												
												
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	h10	h10	h10	h10	h10	h10	h14	h14	h9	h9	h9	h10
	λ°	λ°	λ°	λ°	λ°	λ°	λ°	λ°	λ°	λ°	λ°	λ°
									HSM	HSM	HSM	HSM
	2.00 - 20.00	6.00 - 20.00	6.00 - 20.00	8.00 - 20.00	6.00 - 20.00	6.00 - 16.00	6.00 - 20.00	6.00 - 20.00	3.00 - 16.00	6.00 - 16.00	2.00 - 12.00	1.00 - 16.00
	NEW 2007.09											
	626	627	627	628	629	629	630	630	631	631	632	632
1.1	■245B	■220B	■200B	■300B	■300B		■150B	■150C				
1.2	■205B	■185B	■166B	■250B	■250B		■110B	■150C				
1.3	■160B	■145B	■133B	■200B	■200B		■110B	■130C	■300B	■300B		
1.4	■160B	■145B	■133B	■200B	■200B		■80B	■120C	■250B	■250B		
1.5	■120B	■110B	■100B	■150B	■150B		■60B	■100B	■200B	■200B		
1.6	■98B	■85B	■80B		■120B			●90A	■180B	■180B		
1.7	●65A	●57A	●53A			■80A			■140A	■140A	■70A	
1.8			●33A			■50A			■80A	■80A	■40A	
2.1	■120A	■110A	■100A	●150A	●150A				■180A	■180A		
2.2	■100A	●70A	■66A	●100A	●100A				■120A	■120A		
2.3	■80A	●70A	■66A	●100A	●100A				■120A	■120A		
2.4	■60A											
3.1	●205B	■185B	■166B	●250B	■250B		■90B	■140B	■300B	■300B		
3.2	●120B	■110B	■100B	●150B	■150B		■80B	■120B	■180B	■180B		
3.3	■120B	■110B	■100B	●150B	■150B		■90B	■140B	■180B	■180B		
3.4	■105B	■90B	■83B	●125B	■125B		■80B	■100B	■150B	■150B		
4.1	■205B	●185B	■166B	●250B	■250B							
4.2	■105B	■90B	■83B	■125B	■125B				■160B	■160B		
4.3	■65B	■58B	■53B	■80B	■80B				■100B	■100B		
5.1	■205B	●185B	■166B	●250B	■250B							
5.2	■40A	■35A	■33A	■50A	■50A				■80A	■80A		
5.3	■32A	■28A	■26A	■40A	■40A				■50A	■50A		
6.1	■400C	●370C	■333C	●500C	■500C			■300D				
6.2	■400C	●370C	■333C	■500C	■500C			■300D				
6.3	■400C	●370C	■333C	■500C	■500C			■300D				
6.4	■65B	■58B	■53B	■80B	■80B			●60A			■60B	
7.1	■950C	●950C	■950C		●950C							
7.2	■950C	●950C	■950C		●950C							
7.3	■610C	■555C	■500C		●750C			●400E				
7.4	■330B	●295B	■266B		●400B		■150B	■200D				■180B
8.1	●330C	●295C	■266C		●400C							
8.2	■330C	■295C	■266C		■400C		■110C	■150E				
8.3	■330B	■295B	■266B		■400B	■400B	■60B	■120E				■60B
9.1	●9A	■8A	●8A		■12A	■12A		●8A				
10.1		●250B									■275B	■275B
az	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

	S522	S500	S501	S505	S503	S502	S532	S510	S511
	N	N	N	N	N	N	N	N	N
	z2	z2	z2	z2	z2	z2	z4	z4	z4
									
	HM	HM	HM	HM	HM	HM	HM	HM	HM
	TiAIN X		TiAIN X	Diamond	TiAIN X	TiAIN X	TiAIN X		TiAIN X
	D	D	D	D	D	D	D	D	D
									
									
									
	h9	h9	h9	h9	h9	h9	h9	h9	h9
	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°
	HSM				HSM	HSM	HSM		
	1.00 - 16.00	1.00 - 20.00	1.00 - 16.00	1.00 - 12.00	1.00 - 16.00	1.00 - 16.00	6.00 - 16.00	3.00 - 16.00	3.00 - 16.00
	633	634	634	635	635	636	636	637	637
1.1		●109B	■181B					●115B	■230B
1.2		●109B	■181B					●115B	■192B
1.3	■300B	●81B	■118B		■300B	■272B	■300B	●92B	■153B
1.4	■250B	●81B	■118B		■250B	■227B	■250B	●92B	■153B
1.5	■200B		■90B		■200B	■181B	■200B		■115B
1.6	■180B		■72B		■180B	■163B	■180B		■92B
1.7	■140A		●45A		■140A	■127A	■140A		●61A
1.8	■80A				■80A	■72A	■80A		
2.1	■180A		■81A		■180A	■163A	■180A		■115A
2.2	■120A		■54A		■120A	■109A	■120A		■76A
2.3	■120A		■54A		■120A	■109A	■120A		■76A
2.4									
3.1	■300B	●109B	■136B		■300B	■272B	■300B	●115B	■192B
3.2	■180B	●54B	■81B		■180B	■163B	■180B	●76B	■115B
3.3	■180B	●90B	■109B		■180B	■163B	■180B	●96B	■115B
3.4	■150B	●54B	■72B		■150B	■136B	■150B	●76B	■96B
4.1	■109B	■136B			■109B	■136B		■153B	■192B
4.2	■160B	■72B	■90B		■160B	■145B	■160B	■76B	■96B
4.3	■100B	■36B	■45B		■100B	■90B	■100B	■46B	■61B
5.1		●109B	■136B					●153B	■192B
5.2	■80A	●22A	■27A		■80A	■72A	■80A	●30A	■38A
5.3	■50A	●18A	■22A		■50A	■45A	■50A	●23A	■30A
6.1		■227C	■363C					●269C	●384C
6.2		■227C	■363C					●269C	●384C
6.3		■227C	■363C					●269C	●384C
6.4		●36B	■54B					●46B	●61B
7.1		●950C	■950C					●950C	●950C
7.2		●950C	■950C					●950C	●950C
7.3		●454C	■681C					■384C	■576C
7.4		●181B	■363B	■318B				■153B	■307B
8.1		●227C	■318C					●230C	●307C
8.2		●227C	■318C					●230C	■307C
8.3		●227B	■318B	■109B				●230B	■307B
9.1			■5A						■9A
10.1				■250B					
az	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Z			Ø mm mm/z ± 25%															
			>0,5	0.6	0.8	1	2	3	4	5	6	8	10	12	14	16	18	20
>4		↑ 1,5 ↔ 0,05	A								0.015	0.020	0.025	0.030	0.035	0.040	0.050	0.060
			B								0.045	0.050	0.060	0.075	0.080	0.090	0.100	0.110
			C								0.065	0.075	0.090	0.110	0.120	0.130	0.150	0.170
3-4		↑ 1,5 ↔ 0,1	A				0.010	0.020	0.030	0.040	0.045	0.050	0.060	0.075	0.080	0.090	0.100	0.120
			B				0.015	0.030	0.040	0.055	0.065	0.075	0.090	0.110	0.120	0.130	0.150	0.170
			C				0.015	0.030	0.040	0.055	0.085	0.100	0.120	0.140	0.150	0.170	0.200	0.220
3-4		↑ 1 ↔ 0,5	A			0.001	0.003	0.005	0.008	0.010	0.013	0.020	0.027	0.035	0.040	0.050	0.055	0.060
			B			0.002	0.004	0.008	0.012	0.015	0.020	0.030	0.040	0.050	0.060	0.070	0.080	0.090
			C			0.003	0.005	0.010	0.015	0.020	0.025	0.040	0.050	0.065	0.080	0.090	0.105	0.120
2-3		↑ 0,5 ↔ 1	A	0.001	0.001	0.002	0.002	0.005	0.009	0.013	0.017	0.020	0.023	0.035	0.040	0.050	0.055	0.060
			B	0.001	0.002	0.003	0.003	0.007	0.013	0.020	0.025	0.030	0.035	0.050	0.060	0.070	0.080	0.100
			C	0.002	0.003	0.004	0.004	0.009	0.017	0.025	0.033	0.040	0.045	0.065	0.080	0.090	0.105	0.130
3-4		↑ 0,5 ↔ 1	A								0.013	0.024	0.033	0.040	0.046	0.052	0.056	0.062
			B								0.015	0.031	0.039	0.046	0.055	0.061	0.068	0.077
			C								0.017	0.037	0.048	0.055	0.064	0.072	0.080	0.089
			D								0.025	0.047	0.060	0.068	0.079	0.089	0.100	0.110
			E								0.049	0.092	0.122	0.148	0.163	0.184	0.204	0.224
2 & 4		↑ 0,1 - 0,5mm ↔ 0,1 - 0,5mm	A				0.010	0.017	0.023	0.028	0.032	0.040	0.050	0.055	0.070	0.080		
			BC				0.015	0.022	0.030	0.035	0.040	0.050	0.060	0.070	0.085	0.100		
4		↑ 0,01 - 0,1 ↔ ≤ 1	A			0.003	0.008	0.015	0.022	0.030	0.040	0.050	0.055	0.065		0.080		
			BC			0.006	0.013	0.021	0.003	0.040	0.050	0.060	0.070	0.080		0.100		

			S002, S022, S003, S033, S004, S044, S005, S015, S006, S016, S007, S017, S092, S093, S904											
				Ø mm mm/z ± 25%										
Z				2	3	4	5	6	8	10	12	14	16	20
3-4		↑ 1,5 ↔ 0,1	A	0.012	0.019	0.028	0.036	0.048	0.048	0.070	0.080	0.090	0.107	0.134
			B	0.015	0.022	0.034	0.042	0.057	0.057	0.079	0.094	0.110	0.126	0.155
			C	0.016	0.025	0.038	0.047	0.063	0.063	0.088	0.106	0.123	0.141	0.176
3-4		↑ 1,5 ↔ 0,25	A	0.010	0.015	0.023	0.028	0.038	0.038	0.053	0.064	0.075	0.085	0.107
			B	0.012	0.018	0.027	0.034	0.046	0.046	0.063	0.076	0.088	0.100	0.125
			C	0.013	0.020	0.030	0.038	0.051	0.051	0.070	0.084	0.099	0.113	0.141
2-3		↑ 0,5 ↔ 1	A	0.005	0.007	0.009	0.013	0.016	0.024	0.033	0.040	0.046	0.053	0.053
			B	0.006	0.008	0.011	0.016	0.019	0.029	0.040	0.048	0.056	0.064	0.064
			C	0.006	0.009	0.012	0.017	0.021	0.031	0.043	0.051	0.060	0.068	0.068
2-3		↑ 1 ↔ 1	A	0.002	0.004	0.006	0.007	0.011	0.013	0.019	0.027	0.032	0.037	0.042
			B	0.004	0.007	0.009	0.013	0.015	0.023	0.032	0.038	0.045	0.051	0.051
			C	0.005	0.007	0.010	0.014	0.016	0.025	0.034	0.041	0.048	0.055	0.055

Z			S140 / S142									
			Ø mm mm/z ± 25%									
			2	4	6	8	10	12	14	16	20	
S140		↑ 1,5 ↔ 0,1	A	0.013	0.033	0.049	0.065	0.081	0.088	0.101	0.130	0.163
S140 S142		↑ 1,5 ↔ 0,5	A	0.020	0.050	0.075	0.100	0.125	0.135	0.155	0.200	0.250
S142		↑ 4 ↔ 0,5	A	0.017	0.042	0.063	0.083	0.105	0.113	0.130	0.167	0.208

S124 / S125

DORMER

- Stopkové frézy jednobřité
- Egyélű Ujjmaró
- Frezy walcowo-czółowe jednostrzowe
- Freze cilindrice cu un tais
- Однозубые концевые фрезы
- rezkar enorezni



S124



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	7	57	1	S1243.0	8.00	8	16	63	1	S1248.0
4.00	6	8	57	1	S1244.0	10.00	10	19	72	1	S12410.0
5.00	6	10	57	1	S1245.0						
6.00	6	10	57	1	S1246.0						



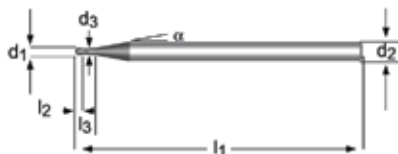
S125



- 7.3 7.4 8.1 8.2 8.3
- 7.1 7.2

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	7	57	1	S1253.0	8.00	8	16	63	1	S1258.0
4.00	6	8	57	1	S1254.0	10.00	10	19	72	1	S12510.0
5.00	6	10	57	1	S1255.0						
6.00	6	10	57	1	S1256.0						

- Mini stopkové frézy
- Mini Maró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



S150



1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.1
6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.2	8.3	9.1	10.1									

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	α	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	α	e-Code
0.4	3	0.4	38	2	1.0	0.36	30°	S150.4	1.0	3	1.0	38	2	2.5	0.96	30°	S1501.0
0.5	3	0.5	38	2	1.2	0.46	30°	S150.5									
0.6	3	0.6	38	2	1.5	0.56	30°	S150.6									
0.8	3	0.8	38	2	2.0	0.76	30°	S150.8									



S152



1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.1
6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.2	8.3	9.1	10.1									

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	α	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	α	e-Code
0.5	3	0.5	60	2	2.5	0.46	30°	S152.5	0.8	3	0.8	60	2	4.0	0.76	30°	S152.8
0.6	3	0.6	60	2	3.0	0.56	30°	S152.6	1.0	3	1.0	60	2	5.0	0.96	30°	S1521.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



S102



- 1.1 1.2 1.3 1.4 1.5 1.6 1.7 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 9.1
- 1.8 2.1 2.2 2.3 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	3	50	2	S1022.0	8.00	8	9	58	2	S1028.0
2.50	6	3	50	2	S1022.5	9.00	10	10	66	2	S1029.0
2.80	6	4	50	2	S1022.8	9.70	10	11	66	2	S1029.7
3.00	6	4	50	2	S1023.0	10.00	10	11	66	2	S10210.0
3.50	6	4	50	2	S1023.5	11.70	12	12	73	2	S10211.7
3.80	6	5	54	2	S1023.8	12.00	12	12	73	2	S10212.0
4.00	6	5	54	2	S1024.0	13.70	14	14	75	2	S10213.7
4.80	6	6	54	2	S1024.8	14.00	14	14	75	2	S10214.0
5.00	6	6	54	2	S1025.0	15.70	16	16	82	2	S10215.7
5.75	6	7	54	2	S1025.75	16.00	16	16	82	2	S10216.0
6.00	6	7	54	2	S1026.0	17.70	18	18	84	2	S10217.7
6.75	8	8	58	2	S1026.75	18.00	18	18	84	2	S10218.0
7.00	8	8	58	2	S1027.0	19.70	20	20	92	2	S10219.7
7.75	8	9	58	2	S1027.75	20.00	20	20	92	2	S10220.0

• Drážkovací frézy

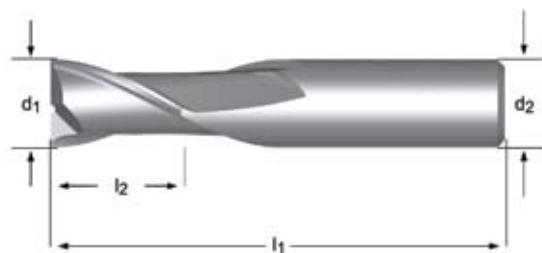
• Hosszlyukmaró

• Frezy palcowe do rowków na wpusty

• Freze deget

• Шпоночные фрезы

• rezkar dvorezni



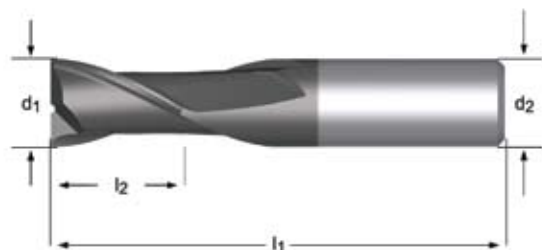
S002



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	2	S0022.0
2.50	3	7	38	2	S0022.5
3.00	3	7	38	2	S0023.0
3.50	4	8	50	2	S0023.5
4.00	4	8	50	2	S0024.0
5.00	5	9	50	2	S0025.0
6.00	6	10	54	2	S0026.0
8.00	8	13	58	2	S0028.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	2	S00210.0
12.00	12	18	73	2	S00212.0
14.00	14	21	75	2	S00214.0
16.00	16	24	82	2	S00216.0
20.00	20	30	92	2	S00220.0



S022



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

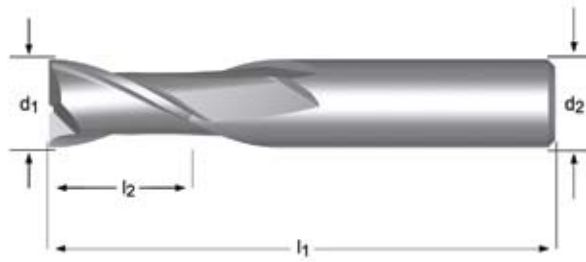
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	2	S0222.0
2.50	3	7	38	2	S0222.5
3.00	3	7	38	2	S0223.0
3.50	4	8	50	2	S0223.5
4.00	4	8	50	2	S0224.0
5.00	5	9	50	2	S0225.0
6.00	6	10	54	2	S0226.0
8.00	8	13	58	2	S0228.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	2	S02210.0
12.00	12	18	73	2	S02212.0
14.00	14	21	75	2	S02214.0
16.00	16	24	82	2	S02216.0
20.00	20	30	92	2	S02220.0

S120 / S122

DORMER

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni

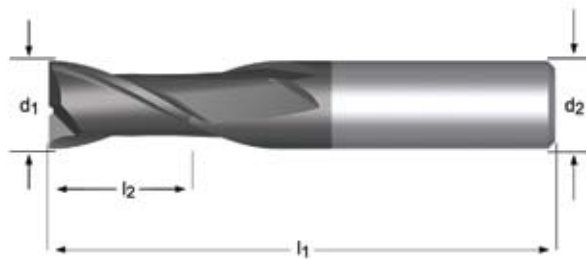


S120



- 4.1 4.2 4.3 6.1 6.2 6.3
- 1.1 1.2 1.3 1.4 3.1 3.2 3.3 3.4 5.1 5.2 5.3 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
1.00	3	3	38	2	S1201.0	7.00	8	13	63	2	S1207.0
1.50	3	3	38	2	S1201.5	8.00	8	16	63	2	S1208.0
2.00	3	6	38	2	S1202.0	9.00	10	16	72	2	S1209.0
2.50	3	7	38	2	S1202.5	10.00	10	19	72	2	S12010.0
3.00	3	7	38	2	S1203.0	12.00	12	22	83	2	S12012.0
3.50	6	7	57	2	S1203.5	14.00	14	22	83	2	S12014.0
4.00	6	8	57	2	S1204.0	16.00	16	26	92	2	S12016.0
4.50	6	8	57	2	S1204.5	18.00	18	26	92	2	S12018.0
5.00	6	10	57	2	S1205.0	20.00	20	32	104	2	S12020.0
6.00	6	10	57	2	S1206.0						



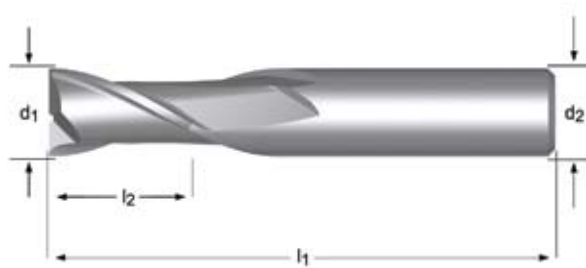
S122



- 1.1 1.2 1.3 1.4 1.5 1.6 1.7 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
- 1.8 2.1 2.2 2.3 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	6	57	2	S1222.0	9.00	10	16	72	2	S1229.0
2.50	6	7	57	2	S1222.5	10.00	10	19	72	2	S12210.0
3.00	6	7	57	2	S1223.0	11.00	12	22	83	2	S12211.0
3.50	6	7	57	2	S1223.5	12.00	12	22	83	2	S12212.0
4.00	6	8	57	2	S1224.0	14.00	14	22	83	2	S12214.0
4.50	6	8	57	2	S1224.5	16.00	16	26	92	2	S12216.0
5.00	6	10	57	2	S1225.0	18.00	18	26	92	2	S12218.0
6.00	6	10	57	2	S1226.0	20.00	20	32	104	2	S12220.0
7.00	8	13	63	2	S1227.0						
8.00	8	16	63	2	S1228.0						

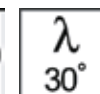
- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar


NEW

2008.09



S902


N
HM


■	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

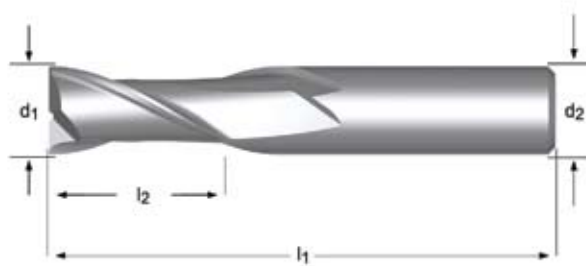
d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
2.00	3	6	38	2	S9022.0
2.50	3	9	38	2	S9022.5
3.00	3	12	38	2	S9023.0
4.00	4	14	50	2	S9024.0
5.00	5	16	50	2	S9025.0
6.00	6	19	57	2	S9026.0
7.00	8	19	63	2	S9027.0
8.00	8	19	63	2	S9028.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
9.00	10	21	72	2	S9029.0
10.00	10	22	72	2	S90210.0
12.00	12	25	73	2	S90212.0
14.00	14	30	83	2	S90214.0
16.00	16	32	92	2	S90216.0
18.00	18	32	92	2	S90218.0
20.00	20	38	104	2	S90220.0

S005 / S015

DORMER

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni

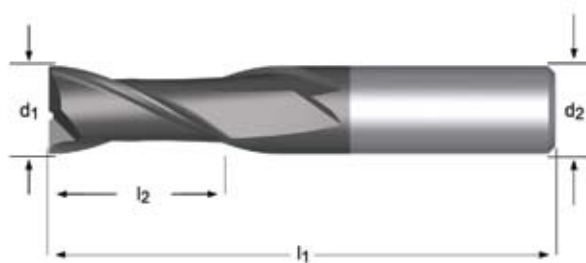


S005



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	2	S0052.0	10.00	10	22	72	2	S00510.0
3.00	3	12	38	2	S0053.0	12.00	12	25	73	2	S00512.0
4.00	4	14	50	2	S0054.0	14.00	14	30	83	2	S00514.0
5.00	5	16	50	2	S0055.0	16.00	16	32	92	2	S00516.0
6.00	6	19	57	2	S0056.0	20.00	20	38	104	2	S00520.0
8.00	8	19	63	2	S0058.0						



S015



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	2	S0152.0	10.00	10	22	72	2	S01510.0
3.00	3	12	38	2	S0153.0	12.00	12	25	73	2	S01512.0
4.00	4	14	50	2	S0154.0	14.00	14	30	83	2	S01514.0
5.00	5	16	50	2	S0155.0	16.00	16	32	92	2	S01516.0
6.00	6	19	57	2	S0156.0	20.00	20	38	104	2	S01520.0
8.00	8	19	63	2	S0158.0						

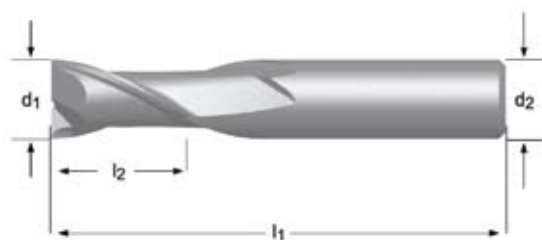
- Stopkové frézy
- Freze cilindrice

- Ujjmaró
- Концевые фрезы

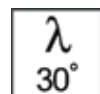
- Frezy walcowo-czółowe
- rezkar

NEW

2007.10



S140


N
HM


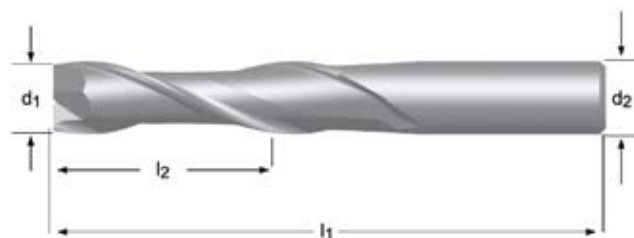
■ 7.1 7.2 7.3 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	4	38	2	S1402.0
3.00	3	5	38	2	S1403.0
4.00	4	7	50	2	S1404.0
5.00	5	9	50	2	S1405.0
6.00	6	18	57	2	S1406.0
7.00	7	18	60	2	S1407.0
8.00	8	18	63	2	S1408.0
9.00	9	20	67	2	S1409.0

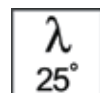
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	2	S14010.0
12.00	12	22	83	2	S14012.0
14.00	14	25	83	2	S14014.0
16.00	16	29	92	2	S14016.0
18.00	18	33	92	2	S14018.0
20.00	20	36	104	2	S14020.0

NEW

2007.10



S142


N
HM


■ 7.1 7.2 7.3 8.1

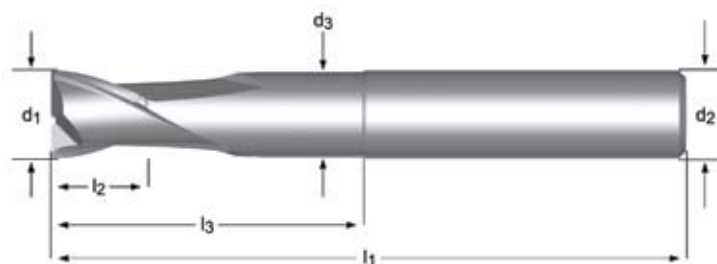
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	8	50	2	S1422.0
3.00	3	12	50	2	S1423.0
4.00	4	16	60	2	S1424.0
5.00	5	20	60	2	S1425.0
6.00	6	24	65	2	S1426.0
7.00	7	28	79	2	S1427.0
8.00	8	32	79	2	S1428.0
9.00	9	36	88	2	S1429.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	40	88	2	S14210.0
12.00	12	48	99	2	S14212.0
14.00	14	56	105	2	S14214.0
16.00	16	64	120	2	S14216.0
18.00	18	74	120	2	S14218.0
20.00	20	80	150	2	S14220.0

S130 / S132

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar

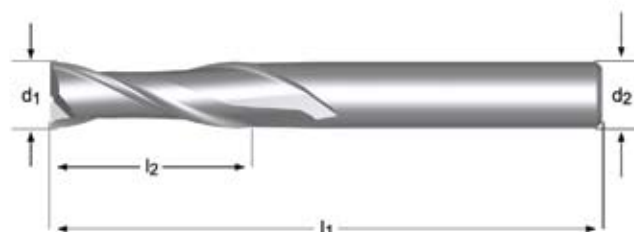


S130



■ 4.1 5.1 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	l ₃ mm	d ₃ Ø mm	e-Code
2.00	3	3.00	38	2	9	1.9	S1302.0	10.00	10	14.00	90	2	45	9.7	S13010.0
3.00	3	4.00	38	2	12	2.9	S1303.0	12.00	12	16.00	100	2	50	11.4	S13012.0
4.00	4	6.00	50	2	14	3.8	S1304.0	16.00	16	20.00	115	2	60	15.2	S13016.0
5.00	6	8.00	57	2	16	4.8	S1305.0	20.00	20	20.00	125	2	70	19.0	S13020.0
6.00	6	10.00	65	2	28	5.7	S1306.0								
8.00	8	12.00	80	2	35	7.7	S1308.0								



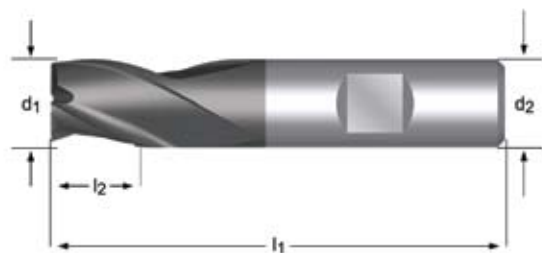
S132



■ 4.1 5.1 6.1 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	8	38	2	S1322.0	6.00	6	22	65	2	S1326.0
3.00	3	12	38	2	S1323.0	8.00	8	28	80	2	S1328.0
4.00	4	14	50	2	S1324.0	10.00	10	32	90	2	S13210.0
5.00	6	16	57	2	S1325.0	12.00	12	38	100	2	S13212.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



S302


N
HM
**TiAIN
X**
**DIN
6527**

P9

**DIN
6535 HB**
**e8
h10**
 λ
30°

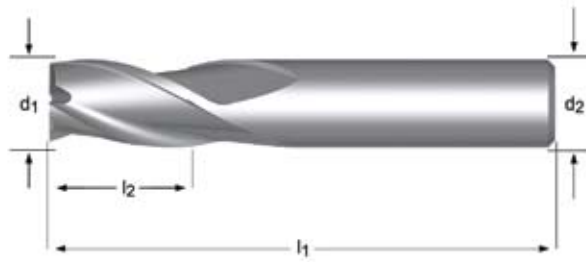
■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	3.1	3.2	3.3	3.4	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2
	7.3	7.4	8.1	8.2	8.3	9.1														
●	1.8	4.1	4.2	4.3																

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	3	50	3	S3022.0	8.00	8	9	58	3	S3028.0
2.50	6	3	50	3	S3022.5	9.00	10	10	66	3	S3029.0
2.80	6	4	50	3	S3022.8	9.70	10	11	66	3	S3029.7
3.00	6	4	50	3	S3023.0	10.00	10	11	66	3	S30210.0
3.50	6	4	50	3	S3023.5	11.70	12	12	73	3	S30211.7
3.80	6	5	54	3	S3023.8	12.00	12	12	73	3	S30212.0
4.00	6	5	54	3	S3024.0	13.70	14	14	75	3	S30213.7
4.80	6	6	54	3	S3024.8	14.00	14	14	75	3	S30214.0
5.00	6	6	54	3	S3025.0	15.70	16	16	82	3	S30215.7
5.75	6	7	54	3	S3025.75	16.00	16	16	82	3	S30216.0
6.00	6	7	54	3	S3026.0	17.70	18	18	84	3	S30217.7
6.75	8	8	58	3	S3026.75	18.00	18	18	84	3	S30218.0
7.00	8	8	58	3	S3027.0	19.70	20	20	92	3	S30219.7
7.75	8	9	58	3	S3027.75	20.00	20	20	92	3	S30220.0

S320 / S311

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar

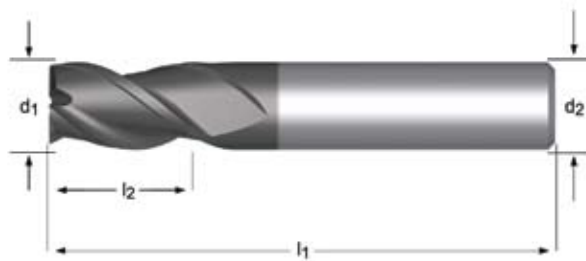


S320



■	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3			
●	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
1.00	3	3	38	3	S3201.0	7.00	8	13	63	3	S3207.0
1.50	3	3	38	3	S3201.5	8.00	8	16	63	3	S3208.0
2.00	3	6	38	3	S3202.0	9.00	10	16	72	3	S3209.0
2.50	3	7	38	3	S3202.5	10.00	10	19	72	3	S32010.0
3.00	3	7	38	3	S3203.0	11.00	12	22	83	3	S32011.0
3.50	6	7	57	3	S3203.5	12.00	12	22	83	3	S32012.0
4.00	6	8	57	3	S3204.0	14.00	14	22	83	3	S32014.0
4.50	6	8	57	3	S3204.5	16.00	16	26	92	3	S32016.0
5.00	6	10	57	3	S3205.0	18.00	18	26	92	3	S32018.0
6.00	6	10	57	3	S3206.0	20.00	20	32	104	3	S32020.0



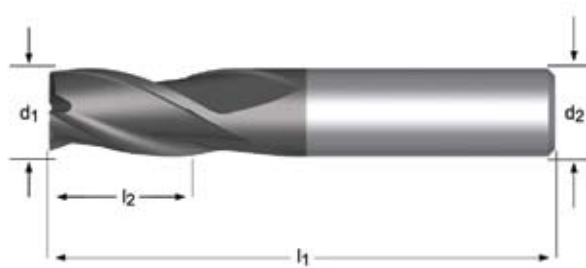
S311



■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	4.1	4.2	4.3	5.1	5.2	5.3	9.1	
●	1.7	1.8	3.1	3.2	3.3	3.4	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
4.00	6	8	57	3	S3114.0	10.00	10	19	72	3	S31110.0
5.00	6	10	57	3	S3115.0	12.00	12	22	83	3	S31112.0
6.00	6	10	57	3	S3116.0	14.00	14	22	83	3	S31114.0
7.00	8	13	63	3	S3117.0	16.00	16	26	92	3	S31116.0
8.00	8	16	63	3	S3118.0	18.00	18	26	92	3	S31118.0
9.00	10	16	72	3	S3119.0	20.00	20	32	104	3	S31120.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



S322


N
HM
**TiAlN
X**
**DIN
6527**

**DIN
6535 HA**
h10
 λ
30°

■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	3.1	3.2	3.3	3.4	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														
●	1.8	4.1	4.2	4.3																

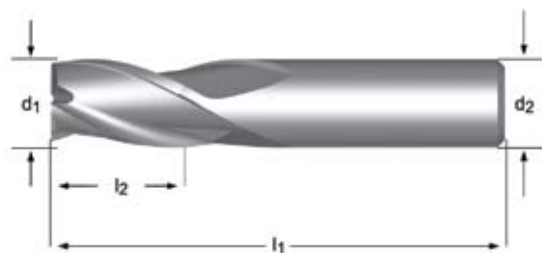
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	6	57	3	S3222.0
2.50	6	7	57	3	S3222.5
3.00	6	7	57	3	S3223.0
3.50	6	7	57	3	S3223.5
4.00	6	8	57	3	S3224.0
4.50	6	8	57	3	S3224.5
5.00	6	10	57	3	S3225.0
6.00	6	10	57	3	S3226.0
7.00	8	13	63	3	S3227.0
8.00	8	16	63	3	S3228.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	16	72	3	S3229.0
10.00	10	19	72	3	S32210.0
11.00	12	22	83	3	S32211.0
12.00	12	22	83	3	S32212.0
14.00	14	22	83	3	S32214.0
16.00	16	26	92	3	S32216.0
18.00	18	26	92	3	S32218.0
20.00	20	32	104	3	S32220.0

S003 / S033

DORMER

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



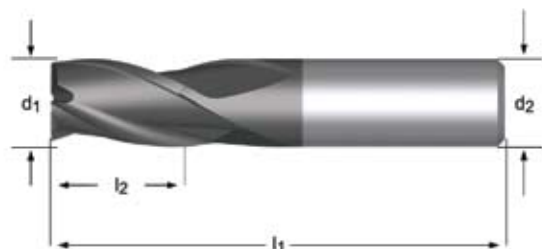
S003



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	3	S0032.0
2.50	3	7	38	3	S0032.5
3.00	3	7	38	3	S0033.0
3.50	4	8	50	3	S0033.5
4.00	4	8	50	3	S0034.0
5.00	5	9	50	3	S0035.0
6.00	6	10	54	3	S0036.0
8.00	8	13	58	3	S0038.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	3	S00310.0
12.00	12	18	73	3	S00312.0
14.00	14	21	75	3	S00314.0
16.00	16	24	82	3	S00316.0
20.00	20	30	92	3	S00320.0



S033

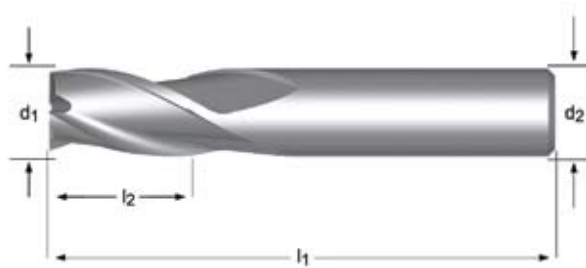


■	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	6.1	6.2	6.3	6.4
●	1.6	2.1	2.2	2.3	7.1	7.2	7.3	7.4	8.1	8.2	8.3						

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	3	S0332.0
2.50	3	7	38	3	S0332.5
3.00	3	7	38	3	S0333.0
3.50	4	8	50	3	S0333.5
4.00	4	8	50	3	S0334.0
5.00	5	9	50	3	S0335.0
6.00	6	10	54	3	S0336.0
8.00	8	13	58	3	S0338.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	3	S03310.0
12.00	12	18	73	3	S03312.0
14.00	14	21	75	3	S03314.0
16.00	16	24	82	3	S03316.0
20.00	20	30	92	3	S03320.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar


NEW

2008.09



S903


N
HM


■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	3	S9032.0
2.50	3	9	38	3	S9032.5
3.00	3	12	38	3	S9033.0
4.00	4	14	50	3	S9034.0
5.00	5	16	50	3	S9035.0
6.00	6	19	57	3	S9036.0
7.00	8	19	63	3	S9037.0
8.00	8	19	63	3	S9038.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	21	72	3	S9039.0
10.00	10	22	72	3	S90310.0
12.00	12	25	73	3	S90312.0
14.00	14	30	83	3	S90314.0
16.00	16	32	92	3	S90316.0
18.00	18	32	92	3	S90318.0
20.00	20	38	104	3	S90320.0

DORMER

- C**



- | d ₁
Ø | d ₂
Ø | l ₂ | l ₁ | z | e-Code |
|---------------------|---------------------|----------------|----------------|---|----------|
| mm | mm | mm | mm | | |
| 16.00 | 16 | 32 | 92 | 3 | S30816.0 |
| 20.00 | 20 | 38 | 104 | 3 | S30820.0 |

• Drážkovací frézy

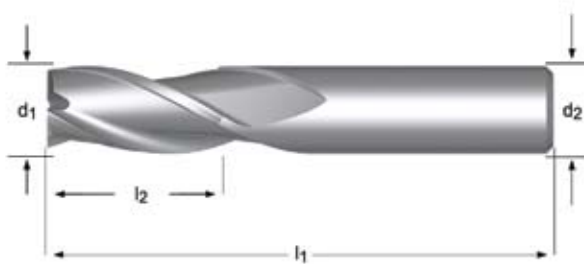
• Hosszlyukmaró

• Frezy palcowe do rowków na wpusty

• Freze deget

• Шпоночные фрезы

• rezkar dvorezni



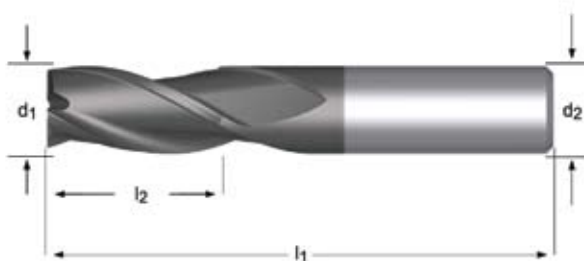
S006



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	3	S0062.0
3.00	3	12	38	3	S0063.0
4.00	4	14	50	3	S0064.0
5.00	5	16	50	3	S0065.0
6.00	6	19	57	3	S0066.0
8.00	8	19	63	3	S0068.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	3	S00610.0
12.00	12	25	73	3	S00612.0
14.00	14	30	83	3	S00614.0
16.00	16	32	92	3	S00616.0
20.00	20	38	104	3	S00620.0



S016



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	3	S0162.0
3.00	3	12	38	3	S0163.0
4.00	4	14	50	3	S0164.0
5.00	5	16	50	3	S0165.0
6.00	6	19	57	3	S0166.0
8.00	8	19	63	3	S0168.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	3	S01610.0
12.00	12	25	73	3	S01612.0
14.00	14	30	83	3	S01614.0
16.00	16	32	92	3	S01616.0
20.00	20	38	104	3	S01620.0

DORMER

-



N **HM**

D

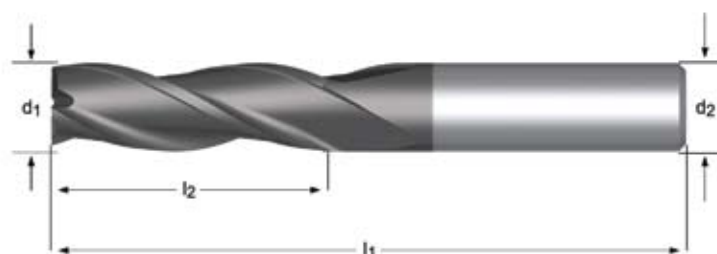
DIN
6535 HA

h10

λ
 30°

d_1 Ø	d_2 Ø	l_2	l_1	z	e-Code
mm	mm	mm	mm		
2.00	3	8	38	3	S3262.0
3.00	3	12	38	3	S3263.0
4.00	4	14	50	3	S3264.0
5.00	5	16	50	3	S3265.0
6.00	6	22	65	3	S3266.0
8.00	8	28	80	3	S3268.0

d_1 Ø	d_2 Ø	l_2	l_1	z	e-Code
mm	mm	mm	mm		
10.00	10	32	100	3	S32610.0
12.00	12	38	100	3	S32612.0
16.00	16	50	115	3	S32616.0
20.00	20	50	125	3	S32620.0



	N	HM	TiAlN X	D				DIN 6535 HA 	h10	λ 30°
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[illegible]

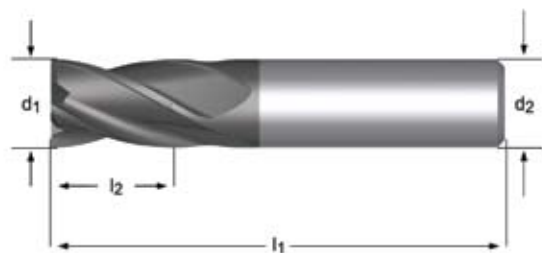
d_1 Ø	d_2 Ø	l_2	l_1	z	e-Code
mm	mm	mm	mm		
2.00	3	8	38	3	S3272.0
3.00	3	12	38	3	S3273.0
4.00	4	14	50	3	S3274.0
5.00	5	16	50	3	S3275.0
6.00	6	22	65	3	S3276.0
8.00	8	28	80	3	S3278.0

d ₁ Ø	d ₂ Ø	l ₂	l ₁	z	e-Code
mm	mm	mm	mm		
10.00	10	32	100	3	S32710.0
12.00	12	38	100	3	S32712.0
16.00	16	50	115	3	S32716.0
20.00	20	50	125	3	S32720.0

- Stopkové frézy
- Freze cilindrice

- Ujjmaró
- Концевые фрезы

- Frezy walcowo-czółowe
- rezkar



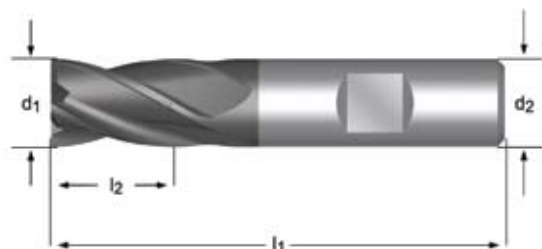
S271



■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.1	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	8.2	8.3	9.1															
•	2.2	2.3	7.1	7.2	7.3	7.4	8.1													

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
4.00	6	8	54	4	S2714.0
5.00	6	9	54	4	S2715.0
6.00	6	10	54	4	S2716.0
7.00	8	11	58	4	S2717.0
8.00	8	12	58	4	S2718.0
10.00	10	14	66	4	S27110.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	16	73	4	S27112.0
14.00	14	18	75	4	S27114.0
16.00	16	22	82	4	S27116.0
18.00	18	24	84	4	S27118.0
20.00	20	26	92	4	S27120.0



S201



■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.1	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	8.2	8.3	9.1															
•	2.2	2.3	7.1	7.2	7.3	7.4	8.1													

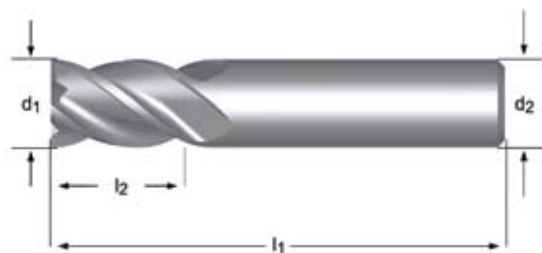
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	4	50	4	S2012.0
3.00	6	5	50	4	S2013.0
4.00	6	8	54	4	S2014.0
5.00	6	9	54	4	S2015.0
6.00	6	10	54	4	S2016.0
7.00	8	11	58	4	S2017.0
8.00	8	12	58	4	S2018.0
10.00	10	14	66	4	S20110.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	16	73	4	S20112.0
14.00	14	18	75	4	S20114.0
16.00	16	22	82	4	S20116.0
18.00	18	24	84	4	S20118.0
20.00	20	26	92	4	S20120.0

S004 /S044

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



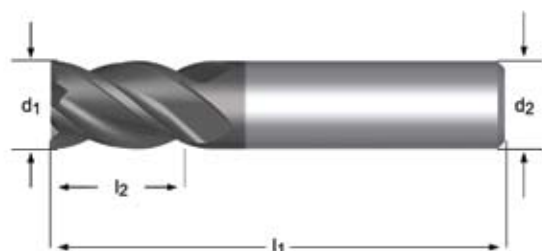
S004



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	4	S0042.0
3.00	3	7	38	4	S0043.0
4.00	4	8	50	4	S0044.0
5.00	5	9	50	4	S0045.0
6.00	6	10	54	4	S0046.0
8.00	8	13	58	4	S0048.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	4	S00410.0
12.00	12	18	73	4	S00412.0
16.00	16	24	82	4	S00416.0
20.00	20	30	92	4	S00420.0



S044



■	1.1	1.2	1.3	1.4	1.5	1.6	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
●	2.1	2.2	2.3	7.1	7.2	7.3	7.4	8.1	8.2	8.3	9.1									

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	4	S0442.0
3.00	3	7	38	4	S0443.0
4.00	4	8	50	4	S0444.0
5.00	5	9	50	4	S0445.0
6.00	6	10	54	4	S0446.0
8.00	8	13	58	4	S0448.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	16	66	4	S04410.0
12.00	12	18	73	4	S04412.0
16.00	16	24	82	4	S04416.0
20.00	20	30	92	4	S04420.0

• Stopkové frézy

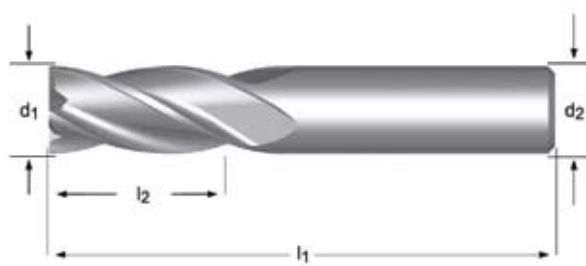
• Ujjmaró

• Frezy walcowo-czółowe

• Freze cilindrice

• Концевые фрезы

• rezkar



NEW

2008.09



S904



N

HM



■

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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	4	S9042.0
2.50	3	9	38	4	S9042.5
3.00	3	12	38	4	S9043.0
4.00	4	14	50	4	S9044.0
5.00	5	16	50	4	S9045.0
6.00	6	19	57	4	S9046.0
7.00	8	19	63	4	S9047.0
8.00	8	19	63	4	S9048.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	21	72	4	S9049.0
10.00	10	22	72	4	S90410.0
12.00	12	25	73	4	S90412.0
14.00	14	30	83	4	S90414.0
16.00	16	32	92	4	S90416.0
18.00	18	32	92	4	S90418.0
20.00	20	38	104	4	S90420.0

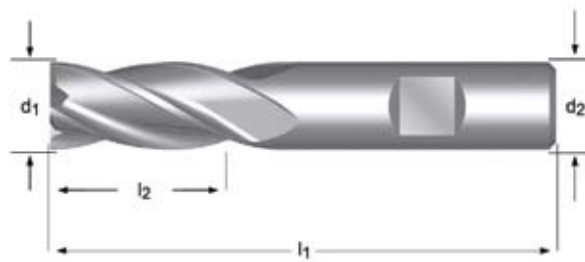
S275 / S276

DORMER

- Stopkové frézy
- Freze cilindrice

- Ujjmaró
- Концевые фрезы

- Frezy walcowo-czółowe
- rezkar



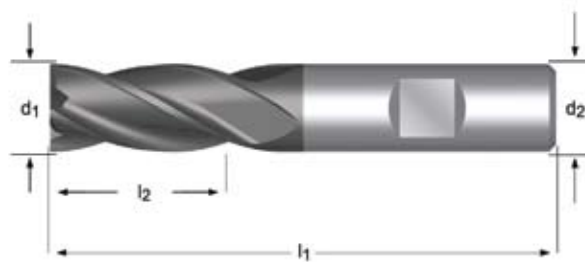
S275



- 6.1 6.2 6.3 6.4
- 1.1 1.2 1.3 1.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	57	4	S2752.0
2.50	6	8	57	4	S2752.5
3.00	6	8	57	4	S2753.0
4.00	6	11	57	4	S2754.0
5.00	6	13	57	4	S2755.0
6.00	6	13	57	4	S2756.0
7.00	8	16	63	4	S2757.0
8.00	8	19	63	4	S2758.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	19	72	4	S2759.0
10.00	10	22	72	4	S27510.0
12.00	12	26	83	4	S27512.0
14.00	14	26	83	4	S27514.0
16.00	16	32	92	4	S27516.0
18.00	18	32	92	4	S27518.0
20.00	20	38	104	4	S27520.0



S276

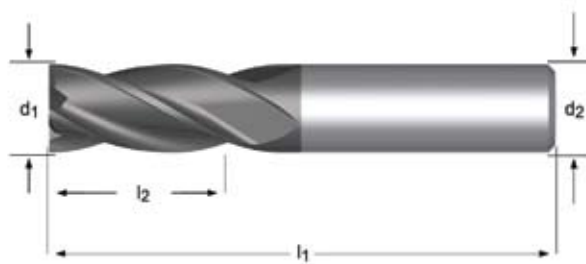


- 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.1 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1 6.2 6.3 6.4 8.2 8.3 9.1
- 2.2 2.3 7.1 7.2 7.3 7.4 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	57	4	S2762.0
2.50	6	8	57	4	S2762.5
3.00	6	8	57	4	S2763.0
4.00	6	11	57	4	S2764.0
5.00	6	13	57	4	S2765.0
6.00	6	13	57	4	S2766.0
7.00	8	16	63	4	S2767.0
8.00	8	19	63	4	S2768.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	19	72	4	S2769.0
10.00	10	22	72	4	S27610.0
12.00	12	26	83	4	S27612.0
14.00	14	26	83	4	S27614.0
16.00	16	32	92	4	S27616.0
18.00	18	32	92	4	S27618.0
20.00	20	38	104	4	S27620.0
25.00	25	45	121	4	S27625.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



S241


N
HM
**TiAlN
X**
**DIN
6527**

**DIN
6535 HA**
h10
 λ
30°

■	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.1	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	8.2	8.3	9.1															
●	2.2	2.3	7.1	7.2	7.3	7.4	8.1													

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.50	6	10	57	4	S2413.5
4.00	6	11	57	4	S2414.0
5.00	6	13	57	4	S2415.0
6.00	6	13	57	4	S2416.0
7.00	8	16	63	4	S2417.0
8.00	8	19	63	4	S2418.0
9.00	10	19	72	4	S2419.0
10.00	10	22	72	4	S24110.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	26	83	4	S24112.0
14.00	14	26	83	4	S24114.0
16.00	16	32	92	4	S24116.0
18.00	18	32	92	4	S24118.0
20.00	20	38	104	4	S24120.0

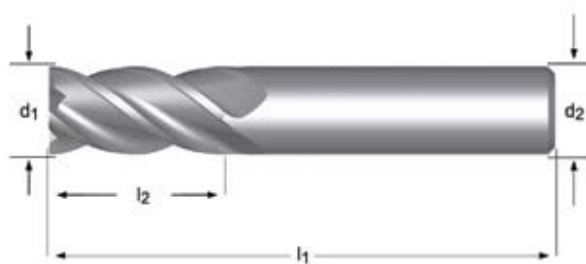
S007 / S017

DORMER

- Stopkové frézy
- Freze cilindrice

- Ujjmaró
- Концевые фрезы

- Frezy walcowo-czolowe
- rezkar



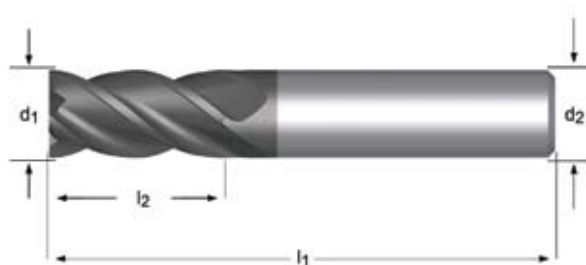
S007



■	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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	4	S0072.0
3.00	3	12	38	4	S0073.0
4.00	4	14	50	4	S0074.0
5.00	5	16	50	4	S0075.0
6.00	6	19	57	4	S0076.0
8.00	8	19	63	4	S0078.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	4	S00710.0
12.00	12	25	73	4	S00712.0
16.00	16	32	92	4	S00716.0
20.00	20	38	104	4	S00720.0



S017



■	1.1	1.2	1.3	1.4	1.5	1.6	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
●	2.1	2.2	2.3	7.1	7.2	7.3	7.4	8.1	8.2	8.3	9.1									

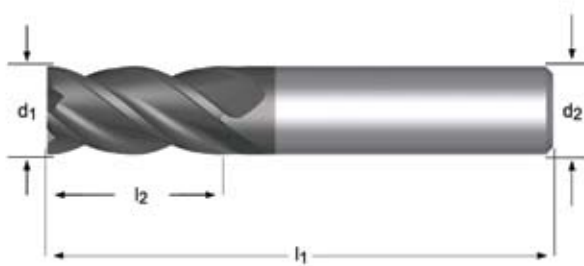
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	3	6	38	4	S0172.0
3.00	3	12	38	4	S0173.0
4.00	4	14	50	4	S0174.0
5.00	5	16	50	4	S0175.0
6.00	6	19	57	4	S0176.0
8.00	8	19	63	4	S0178.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	4	S01710.0
12.00	12	25	73	4	S01712.0
16.00	16	32	92	4	S01716.0
20.00	20	38	104	4	S01720.0

- Stopkové frézy
- Freze cilindrice

- Ujjmaró
- Концевые фрезы

- Frezy walcowo-czółowe
- rezkar



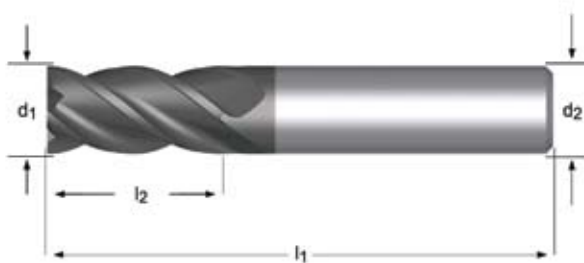
S250



■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	6.4	7.3	8.2	8.3
	9.1																			
•	1.7	2.2	2.3	4.1	5.1	6.1	6.3	7.1	7.2	7.4	8.1	10.1								

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	8	57	4	S2503.0
4.00	6	11	57	4	S2504.0
5.00	6	13	57	4	S2505.0
6.00	6	13	57	4	S2506.0
8.00	8	19	63	4	S2508.0
10.00	10	22	72	4	S25010.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	26	83	4	S25012.0
16.00	16	32	92	4	S25016.0
20.00	20	38	104	4	S25020.0



NEW
2007.09



S256



■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	2.4	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	8.2	8.3												
•	1.7	3.1	3.2	8.1	9.1															

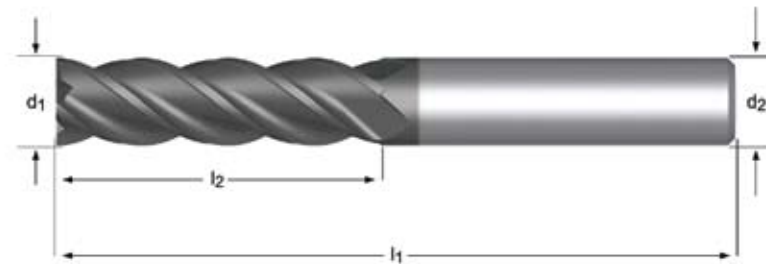
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	57	4	S2562.0
3.00	6	8	57	4	S2563.0
4.00	6	11	57	4	S2564.0
5.00	6	13	57	4	S2565.0
6.00	6	13	57	4	S2566.0
7.00	8	16	63	4	S2567.0
8.00	8	19	63	4	S2568.0
9.00	10	19	72	4	S2569.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	4	S25610.0
12.00	12	26	83	4	S25612.0
14.00	14	26	83	4	S25614.0
16.00	16	32	92	4	S25616.0
18.00	18	32	92	4	S25618.0
20.00	20	38	104	4	S25620.0

S251 / S259

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



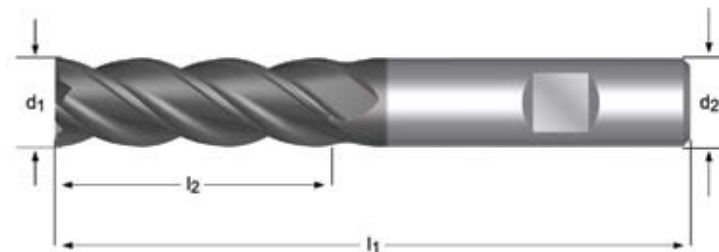
S251



- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3 6.2 6.4 7.3 8.2 8.3
- 9.1
- 1.7 2.2 2.3 4.1 5.1 6.1 6.3 7.1 7.2 7.4 8.1 10.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	22	65	4	S2516.0
8.00	8	28	79	4	S2518.0
10.00	10	32	99	4	S25110.0
12.00	12	40	99	4	S25112.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	60	124	4	S25116.0
20.00	20	70	155	4	S25120.0



S259

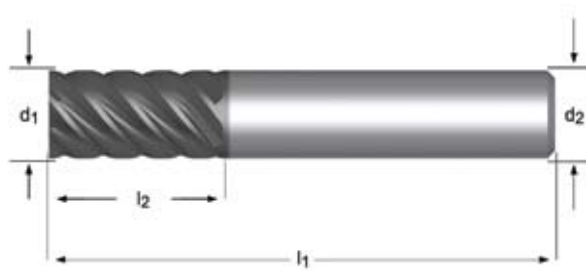


- 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3 6.1
- 6.2 6.3 6.4 7.1 7.2 7.3 7.4 8.2 8.3
- 1.7 1.8 8.1 9.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	22	65	4	S2596.0
8.00	8	28	80	4	S2598.0
10.00	10	32	100	4	S25910.0
12.00	12	40	100	4	S25912.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
14.00	14	50	104	4	S25914.0
16.00	16	50	115	5	S25916.0
20.00	20	55	125	5	S25920.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



S306



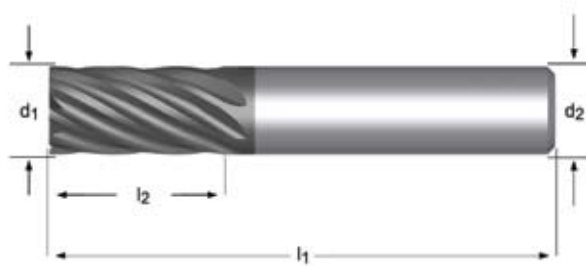
■	1.1	1.2	1.3	1.4	1.5	4.2	4.3	5.2	5.3	6.2	6.3	6.4
●	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1		

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
8.00	8	19	63	6	S3068.0	16.00	16	32	92	6	S30616.0
10.00	10	22	72	6	S30610.0	18.00	18	32	92	6	S30618.0
12.00	12	26	83	6	S30612.0	20.00	20	38	104	6	S30620.0
14.00	14	26	83	6	S30614.0						

S281 / S282

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar

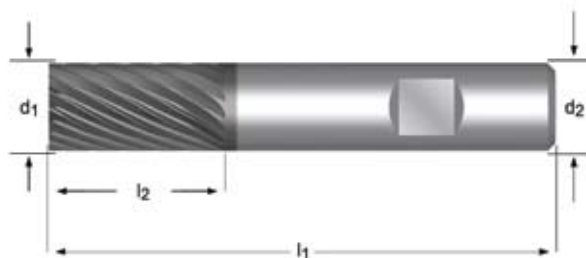


S281



- 1.1 1.2 1.3 1.4 1.5 1.6 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
- 8.2 8.3 9.1
- 2.1 2.2 2.3 7.1 7.2 7.3 7.4 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	6	S2816.0	14.00	14	26	83	7	S28114.0
8.00	8	19	63	6	S2818.0	16.00	16	32	92	8	S28116.0
10.00	10	22	72	7	S28110.0	18.00	18	32	92	8	S28118.0
12.00	12	26	83	7	S28112.0	20.00	20	38	104	8	S28120.0



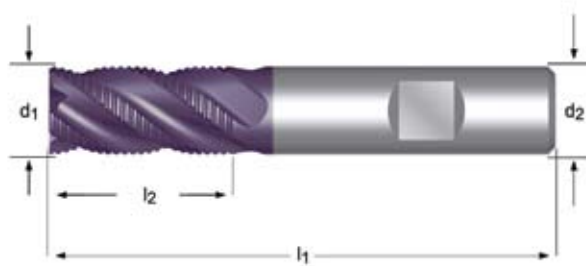
S282



- 1.7 1.8 8.3 9.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	6	S2826.0	16.00	16	32	92	16	S28216.0
8.00	8	19	63	8	S2828.0						
10.00	10	22	72	10	S28210.0						
12.00	12	26	83	12	S28212.0						

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi

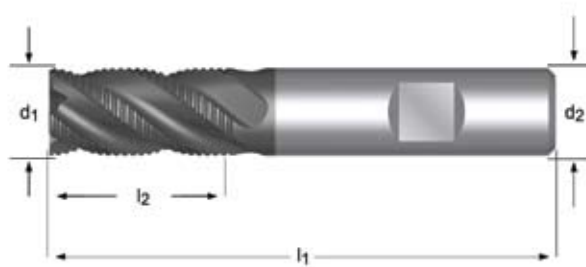


S332



■ 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 7.4 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	S3326.0	14.00	14	26	83	4	S33214.0
8.00	8	19	63	4	S3328.0	16.00	16	32	92	4	S33216.0
10.00	10	22	72	4	S33210.0	18.00	18	32	92	4	S33218.0
12.00	12	26	83	4	S33212.0	20.00	20	38	104	4	S33220.0



S333



■ 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 7.4 8.2 8.3

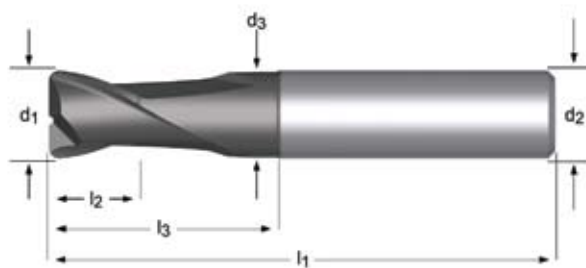
• 1.6 6.4 7.3 9.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	S3336.0	14.00	14	26	83	4	S33314.0
8.00	8	19	63	4	S3338.0	16.00	16	32	92	4	S33316.0
10.00	10	22	72	4	S33310.0	18.00	18	32	92	4	S33318.0
12.00	12	26	83	4	S33312.0	20.00	20	38	104	4	S33320.0

S190 / S290

DORMER

- Drážkovací frézy s radiusem
- Tóruszmaró
- Frezy czolowo-walcowe z promieniem naroża
- Freze cilindro-frontala cu raza
- Концевые фрезы с радиусами на уголках
- rezkar, robni radius

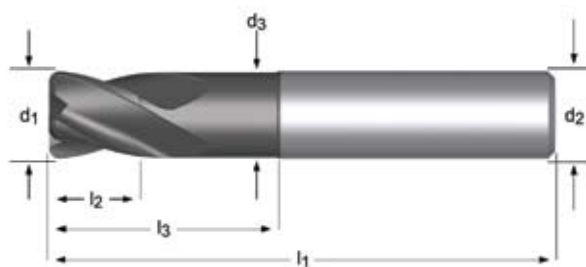


S190



■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃		d ₃ Ø	R	e-Code	d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃		d ₃ Ø	R	e-Code
mm	mm	mm	mm	z	mm	mm			mm	mm	mm	mm	z	mm	mm		
3.00	6	3	57	2	20	-	0.5	S1903.0	8.00	10	8	72	2	29	7.5	1	S1908.0
4.00	6	4	57	2	20	-	0.5	S1904.0	10.00	12	10	83	2	35	9.3	1.5	S19010.0
5.00	6	5	57	2	20	4.6	0.5	S1905.0	12.00	12	12	83	2	36	11.2	1.5	S19012.0
6.00	8	6	63	2	24	5.5	1	S1906.0	16.00	16	16	92	2	42	15	1.5	S19016.0



S290

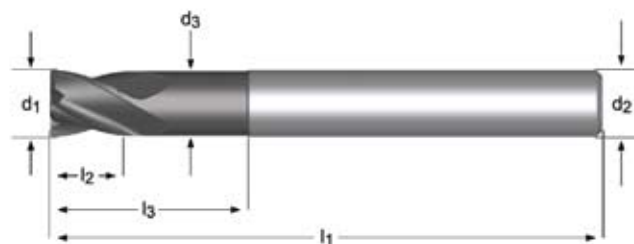


■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃		d ₃ Ø	R	e-Code
mm	mm	mm	mm	z	mm	mm		
6.00	8	6	63	4	24	5.5	1	S2906.0
8.00	10	8	72	4	29	7.5	1	S2908.0
10.00	12	10	83	4	35	9.3	1.5	S29010.0
12.00	12	12	83	4	36	11.2	1.5	S29012.0

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃		d ₃ Ø	R	e-Code
mm	mm	mm	mm	z	mm	mm		
16.00	16	16	92	4	42	15	2	S29016.0

- Drážkovací frézy s radiusem
- Tóruszmaró
- Frezy czolowo-walcowe z promieniem naroża
- Freze cilindro-frontala cu raza
- Концевые фрезы с радиусами на уголках
- rezkar, kotni radius



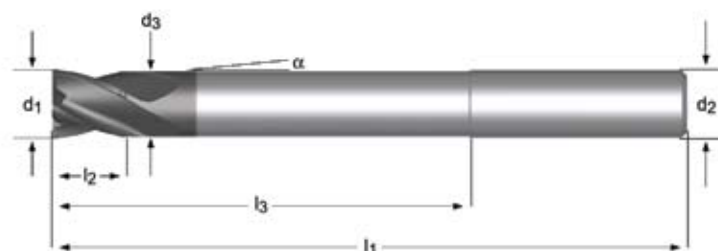
S170


N
HM
TiAlN X


■ **1.7** **1.8** **6.4** **10.1**

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	R	e-Code
2.00	6	2	72	2	8	1.9	0.2 S1702.0
3.00	6	3	72	2	12	2.9	0.3 S1703.0
4.00	6	4	72	4	16	3.8	0.4 S1704.0
5.00	6	5	72	4	20	4.7	0.5 S1705.0

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	R	e-Code
6.00	6	6	72	4	24	5.7	0.5 S1706.0
8.00	8	8	80	4	29	7.7	0.5 S1708.0
10.00	10	10	100	4	35	9.7	0.5 S17010.0
12.00	12	12	100	4	36	11.7	0.5 S17012.0



S105


N
HM
Diamond

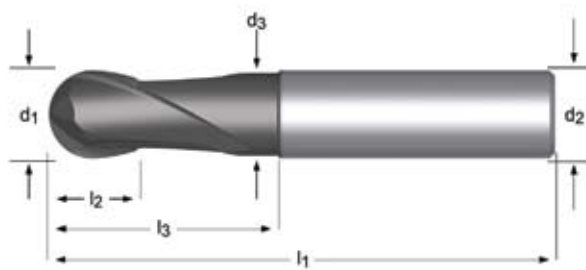

■ **7.4** **8.3** **10.1**

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	α	e-Code
1.00	3	1.00	50	2	-	0.4°	S1051.0 ¹⁾
1.50	3	1.50	50	2	-	0.4°	S1051.5 ¹⁾
2.00	3	2.00	50	2	-	0.4°	S1052.0 ¹⁾
3.00	6	3.00	80	2	-	0.4°	S1053.0
4.00	6	4.00	100	2	3.80	40	- S1054.0
5.00	6	5.00	100	2	4.75	50	- S1055.0

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	α	e-Code
6.00	6	6.00	100	4	5.70	60	- S1056.0
8.00	8	8.00	120	4	7.60	80	- S1058.0
10.00	10	10.00	150	4	9.50	100	- S10510.0
12.00	12	12.00	150	4	11.40	100	- S10512.0 ¹⁾
16.00	16	16.00	150	4	15.2	100	- S10516.0 ¹⁾

¹⁾ tolerance stopky h6 / szár tűrése h6 / Tolerancia wykonania chwytu h6 / Toleranta cozii h6 / Хвостовик изготовлен по h6 / toleranca stebla h7

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



S522



N

HM

**TiAlN
X**

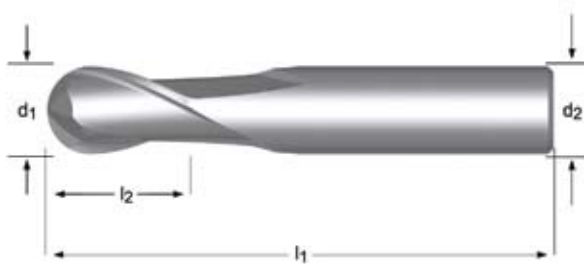


■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	r ±	e-Code
1.00	6	1	57	2	20	0.5	S5221.0
2.00	6	2	57	2	20	1.00	S5222.0
3.00	6	3	57	2	20	1.50	S5223.0
4.00	6	4	57	2	20	2.00	S5224.0
5.00	6	5	57	2	20	2.50	S5225.0
6.00	8	6	63	2	24	3.00	S5226.0

d ₁ Ø	d ₂ Ø	l ₂	l ₁	l ₃	d ₃ Ø	r ±	e-Code
8.00	10	8	72	2	29	4.00	S5228.0
10.00	12	10	83	2	35	5.00	S52210.0
12.00	12	12	83	2	36	6.00	S52212.0
16.00	16	16	92	2	42	8.00	S52216.0

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



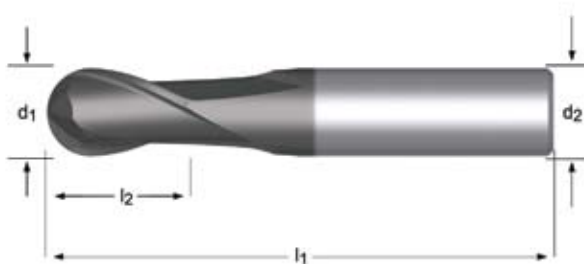
S500



- 4.1 4.2 4.3 6.1 6.2 6.3
- 1.1 1.2 1.3 1.4 3.1 3.2 3.3 3.4 5.1 5.2 5.3 6.4 7.1 7.2 7.3 7.4 8.1 8.2 8.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	r ± 0,01	e-Code
1.00	3	3	38	2	0.5	S5001.0
1.50	3	3	38	2	0.75	S5001.5
2.00	3	6	38	2	1.00	S5002.0
2.50	3	7	38	2	1.25	S5002.5
3.00	3	7	38	2	1.50	S5003.0
4.00	6	8	57	2	2.00	S5004.0
5.00	6	10	57	2	2.50	S5005.0
6.00	6	10	57	2	3.00	S5006.0
7.00	8	13	63	2	3.50	S5007.0
8.00	8	16	63	2	4.00	S5008.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	r ± 0,01	e-Code
9.00	10	16	72	2	4.50	S5009.0
10.00	10	19	72	2	5.00	S50010.0
12.00	12	22	83	2	6.00	S50012.0
14.00	14	22	83	2	7.00	S50014.0
16.00	16	26	92	2	8.00	S50016.0
18.00	18	26	92	2	9.00	S50018.0
20.00	20	32	104	2	10.00	S50020.0



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

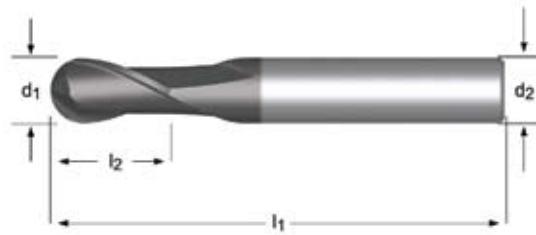
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	r ± 0,01	e-Code
1.00	3	3	38	2	0.50	S5011.0
1.50	3	3	38	2	0.75	S5011.5
2.00	3	6	38	2	1.00	S5012.0
2.50	3	7	38	2	1.25	S5012.5
3.00	3	7	38	2	1.50	S5013.0
4.00	6	8	57	2	2.00	S5014.0
5.00	6	10	57	2	2.50	S5015.0
6.00	6	10	57	2	3.00	S5016.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	r ± 0,01	e-Code
7.00	8	13	63	2	3.50	S5017.0
8.00	8	16	63	2	4.00	S5018.0
9.00	10	16	72	2	4.50	S5019.0
10.00	10	19	72	2	5.00	S50110.0
12.00	12	22	83	2	6.00	S50112.0
16.00	16	26	92	2	8.00	S50116.0

S505 / S503

DORMER

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



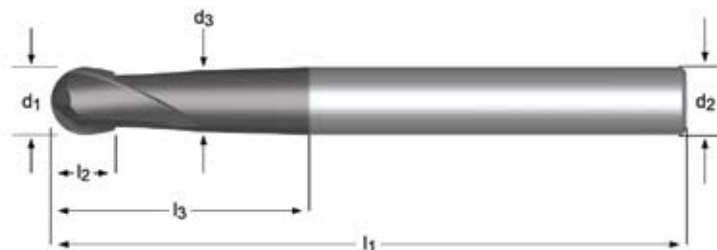
S505



■ 7.4 8.3 10.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	R	e-Code
1.00	3	3	38	2	0.50	S5051.0
1.50	3	3	38	2	0.75	S5051.5
2.00	3	6	38	2	1.00	S5052.0
2.50	3	7	38	2	1.25	S5052.5
3.00	3	7	38	2	1.50	S5053.0
4.00	6	8	57	2	2.00	S5054.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	R	e-Code
5.00	6	10	57	2	2.50	S5055.0
6.00	6	10	57	2	3.00	S5056.0
8.00	8	16	63	2	4.00	S5058.0
10.00	10	19	72	2	5.00	S50510.0
12.00	12	22	83	2	6.00	S50512.0



S503



■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ mm	d ₃ Ø mm	r ± 0,01	e-Code
1.00	6	2	75	2	20	-	0.50 S5031.0
2.00	6	3	75	2	20	1.7	1.00 S5032.0
3.00	6	4	80	2	30	2.5	3.00 S5033.0
4.00	6	5	80	2	30	3.3	2.00 S5034.0
5.00	6	7	80	2	43	4.1	2.50 S5035.0
6.00	6	7	100	2	30	4.7	3.00 S5036.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ mm	d ₃ Ø mm	r ± 0,01	e-Code
8.00	8	9	100	2	36	6.5	4.00 S5038.0
10.00	10	11	100	2	43	8.2	5.00 S50310.0
12.00	12	13	100	2	52	9.8	6.00 S50312.0
16.00	16	15	150	2	61	13.4	8.00 S50316.0

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



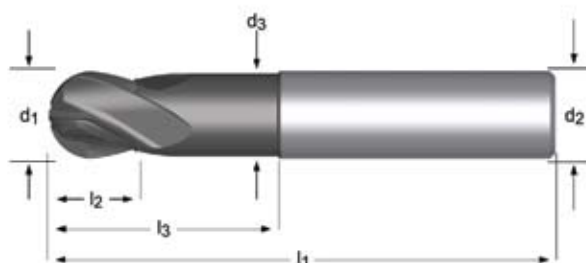
S502



■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ z mm	r ± 0,01	e-Code
1.00	6	1.5	57	2 3	0.50	S5021.0
1.50	6	2	57	2 4	0.75	S5021.5
2.00	6	3	57	2 6	1.00	S5022.0
2.50	6	3	57	2 6	1.25	S5022.5
3.00	6	4	57	2 7	1.50	S5023.0
4.00	6	5	80	2 8	2.00	S5024.0
5.00	6	6	80	2 10	2.50	S5025.0
6.00	6	10	80	2 -	3.00	S5026.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ z mm	r ± 0,01	e-Code
8.00	8	16	100	2 -	4.00	S5028.0
9.00	10	16	100	2 -	4.50	S5029.0
10.00	10	19	100	2 -	5.00	S50210.0
12.00	12	22	100	2 -	6.00	S50212.0
16.00	16	32	125	2 -	8.00	S50216.0



S532



■ 1.3 1.4 1.5 1.6 1.7 1.8 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ z mm	d ₃ Ø mm	r ± 0,01	e-Code
6.00	8	6	63	4 24	5.5	3.00	S5326.0
8.00	10	8	72	4 29	7.5	4.00	S5328.0
10.00	12	10	83	4 35	9.3	5.00	S53210.0
12.00	12	12	83	4 36	11.2	6.00	S53212.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	l ₃ z mm	d ₃ Ø mm	r ± 0,01	e-Code
16.00	16	16	92	4 42	15	8.00	S53216.0

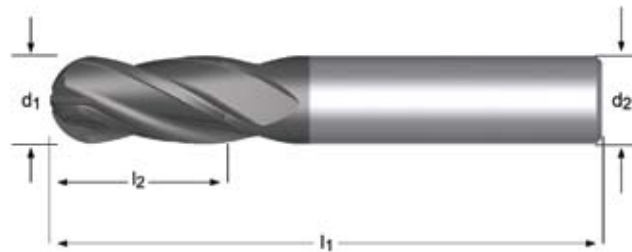
DORMER

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	N	HM		D				DIN 6535 HA 	h9	λ 30°
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d ₁ Ø	d ₂ Ø	l ₂	l ₁	r ±			d ₁ Ø	d ₂ Ø	l ₂	l ₁	r ±		
mm	mm	mm	mm	z	0,01	e-Code	mm	mm	mm	mm	z	0,01	e-Code
3.00	6	8	80	4	1.50	S5103.0	8.00	8	19	100	4	4.00	S5108.0
4.00	6	11	80	4	2.00	S5104.0	10.00	10	22	100	4	5.00	S51010.0
5.00	6	13	80	4	2.50	S5105.0	12.00	12	26	100	4	6.00	S51012.0
6.00	6	13	80	4	3.00	S5106.0	16.00	16	32	100	4	8.00	S51016.0



	N	HM	TiAlN X	D					DIN 6535 HA 	h9	λ 30°
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d ₁ Ø	d ₂ Ø	l ₂	l ₁				d ₁ Ø	d ₂ Ø	l ₂	l ₁			
mm	mm	mm	mm	z	R	e-Code	mm	mm	mm	mm	z	R	e-Code
3.00	6	8	80	4	1.50	S5113.0	9.00	10	19	100	4	4.50	S5119.0
4.00	6	11	80	4	2.00	S5114.0	10.00	10	22	100	4	5.00	S51110.0
5.00	6	13	80	4	2.50	S5115.0	12.00	12	26	100	4	6.00	S51112.0
6.00	6	13	80	4	3.00	S5116.0	16.00	16	32	100	4	8.00	S51116.0
7.00	8	16	100	4	3.50	S5117.0							
8.00	8	19	100	4	4.00	S5118.0							

638

	C381	C368	C367	C391	C305	C352	C382	C383	C346	C392	C247	C246	C927
	N	N	N	N	N	N	N	N	N	N	N	N	N
	z3	z3	z3	z3	z3	z3	z3	z3	z3	z3	z4-6	z4-6	z 4
	HSCo	HSCo XP	HSCo XP	HSCo	HSCo XP	HSCo XP	HSCo	HSCo	HSCo	HSCo	HSCo XP	HSCo XP	HSCo XP
	TiCN		Super C	Super C		Super C		TiCN		Super C		Super R	Super C
	DIN 327 D	DIN 327 D	DIN 327 D	BS 122/4	DIN 844 K	DIN 844 K	DIN 844 L	BS 122/4	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 K
	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9	P9
	e8	e8	e8	e8	e8	e8	e8	e8	e8	e8	k10	k10	k10
	λ 30°	λ 40°	λ 40°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°
	1.00 - 12.00	2.00 - 20.00	2.00 - 20.00	6.00 - 1"	2.00 - 32.00	3.00 - 20.00	1.00 - 12.00	1.00 - 12.00	3.00 - 20.00	6.00 - 20.00	2.00 - 40.00	2.00 - 32.00	4.00 - 25.00
	primax	primax			primax	primax							primax
	664	665	666	667	668	668	669	670	671	672	673	674	675
1.1	●88A	■60A	■146A	●42A	●55A	●133A	●40A	●80A	●45A	●38A	■55S	■121S	■146M
1.2	■70A	■48A	■117A	■34A	■44A	■106A	■32A	■64A	■36A	■30A	■44S	■96S	■117M
1.3	■61B	●42B	●102B	■29B	■38B	■93B	●28B	■56B	■31B	■26B	■38T	■84T	■102M
1.4	■52B	●36B	●87B	●25B	●33B	■79B	●24B	■48B	●27B	●23B	●33T	■72T	●87N
1.5	●36C					■54C		●32C				●49U	
1.6						●24C						●22U	
1.7													
1.8													
2.1	●30F	■27F	■52F	●19F	●25F	●48F		●27F	●20F	●17F	●25Y	●43Y	■52N
2.2		●23F	■44F			●40F							■44N
2.3		■15F	■28F			●26F		●15F				●23Y	■28R
2.4													
3.1	●39A			●23A	●30A	■61A		●35A	●25A	●21A	●30S	■55S	
3.2	●32A			●19A	●25A	■50A		●29A	●20A	●17A	●25S	■45S	
3.3	●56B			●34B	●44B	■88B		●51B	●36B	●30B	●44T	■79T	
3.4	●35B			●21B	●27B	■55B		●32B	●22B	●19B	●27T	■49T	
4.1	●32D	●33D	●50D	■23D	■30D	■46D	●22D	●29D	■25D	■21D	■30V	■43V	■50P
4.2	●26D			●19D	●25D	■37D	●18D	●23D	●20D	●17D	●25V	■35V	●40P
4.3	●11D					●16D		●10D				●15V	
5.1	●84D	●58D	●140D	■41D	■52D	■127D	●38D	●76D	■43D	■36D	■52V	■116V	■140P
5.2	●17C			●11C	■14C	■27C	●10C	●15C	●11C	●10C	●14U	■24U	●30C
5.3	●7D					●11D		●6D				●10V	
6.1	●176C	■151C	■287C	■106C	■137C	■261C	●100C	●160C	■112C	■96C	■137U	■240U	■280U
6.2	●176C	●151C	●287C	■106C	■137C	■261C	●100C	●160C	■112C	■96C	■137U	■240U	■280U
6.3	●176C	●151C	●287C	■106C	■137C	■261C	●100C	●160C	■112C	■96C	■137U	■240U	■280U
6.4	●17C					●26C		●16C				●24U	
7.1		■363E	■878E								●330X	●726X	●360Q
7.2	●528E	●363E	●878E	●256E	●330E	●798E	●240E	●480E	●270E	●230E	●330X	●726X	■360Q
7.3	●158E		●263E	●76E	●99E	●239E	●72E	●144E	●81E	●69E	●99X	●217X	●130Q
7.4	●88A					●133A		●80A				●121S	
8.1		●151C	●438C	●106C	●137C	●398C			●112C	●96C	●137U	●357U	●190O
8.2													
8.3													
9.1													
10.1													
az	1.0	1.1	1.1	0.9	1.1	1.1	1.0	1.0	0.6	0.5	1.1	1.1	1.3

	C299	C907	C291	C270	C273	C295	C940	C903	C920	C292	C272	C159	C169
	N	N	N	N	N	N	N	N	N	N	N	W	W
	z3-5	z3-6	z2-8	z4-8	z4-6	z4-6	z4	z3-5	z3-5	z2-6	z4-6	z2	z2
													
	HSCo XP	HSCo XP	HSCo	HSCo	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo	HSCo	HSCo	HSCo
													
	DIN 844 K	DIN 844 K	BS 122/4	DIN 845 K	DIN 844 L	DIN 844 L	DIN 844 L	DIN 844 L	DIN 844 L	BS 122/4	DIN 845 L	DIN 844 K	DIN 844 K
													
													
													
	k10	k10		k10	k10	k10	k10	k10	k10		k10	e8	e8
	λ 45°	λ 45°	λ 30°	λ 30°	λ 30°	λ 30°	λ ⁰ 45°	λ 45°	λ 45°	λ 30°	λ 30°	λ 40°	λ 40°
	3.00 - 25.00	3.00 - 32.00	1/16 - 2"	10.00 - 50.00	2.00 - 40.00	2.00 - 40.00	6.00 - 25.00	6.00 - 25.00	6.00 - 25.00	1/16 - 1 1/2"	16.00 - 40.00	2.00 - 20.00	2.00 - 20.00
	primax	primax					primax	primax	primax				
	676	676	677	679	680	681	682	683	683	684	685	686	686
1.1			■42S	■50S	■49S	■108S	■131M			■38S	■45S	■50A	■100A
1.2			■34S	■40S	■39S	■87S	■105M			■30S	■36S	■40A	■80A
1.3	■38T	■93T	■29T	■35T	■34T	■76T	■92N	■34T	■83T	■26T	■31T	■35B	■70B
1.4	■33T	■79T	■25T	■30T	■29T	■65T	■78N	■29T	■71T	■23T	■27T		
1.5	■22U	■54U				■44U		■20U	■49U				
1.6	■10U	■24U				■19U		■9U	■21U				
1.7													
1.8													
2.1	■25Y	■48Y	■19Y	■23Y	■22Y	■38Y	■47N	■22Y	■43Y	■17Y	■20Y	■23F	■34F
2.2	■21Y	■40Y				■21Y	■40N	■19Y	■36Y			■19F	■29F
2.3	■13Y	■26Y					■25R	■12Y	■23Y				■18F
2.4													
3.1	■30S	■61S	■23S	■28S	■27S	■49S		■27S	■55S	■21S	■25S		
3.2	■25S	■50S	■19S	■23S	■22S	■40S		■22S	■45S	■17S	■20S		
3.3	■44T	■88T	■34T	■40T	■39T	■71T		■39T	■79T	■30T	■36T		
3.4	■27T	■55T	■21T	■25T	■24T	■44T		■24T	■49T	■19T	■22T		
4.1	■30V	■46V	■23V	■28V	■27V	■38V	■45P	■27V	■41V	■21V	■25V	■28D	■36D
4.2	■25V	■37V	■19V	■23V	■22V	■31V	■36P	■22V	■34V	■17V	■20V		■29D
4.3	■11V	■16V				■14V		■10V	■15V				
5.1	■52V	■127V	■41V	■48V	■47V	■104V	■126P	■47V	■114V	■36V	■43V	■48D	■96D
5.2	■14U	■27U	■11U	■13U	■12U	■21U	■27O	■12U	■24U	■10U	■11U	■19D	
5.3	■6V	■11V				■9V		■5V	■10V				
6.1			■106U	■125U	■123U	■216U	■250O		■96U	■112U	■125C	■200C	
6.2	■137U	■261U	■106U	■125U	■123U	■216U	■250O	■123U	■235U	■96U	■112U	■200C	
6.3			■106U	■125U	■123U	■216U	■250O			■96U	■112U		
6.4						■21U							
7.1				■300X	■297X	■653X	■320Q			■270X	■300E	■600E	
7.2			■256X	■300X	■297X	■653X	■320Q			■230X	■300E	■600E	
7.3			■76X	■90X	■89X	■196X	■115Q			■69X	■90E	■180E	
7.4	■55S	■133S				■109S		■49S	■120S			■100A	
8.1			■106U	■125U	■123U	■321U	■170O			■96U	■112U	■125C	■300C
8.2													
8.3													
9.1													
10.1													
az	1.1	1.1	0.9	1.0	0.6	0.6	0.7	0.6	0.6	0.5	0.6	1.0	1.0

	C166	C336	C358	C333	C359	C365	C324	C905	C922	C426	C428	C437	C436
	W	W	W	W	W	W	HRA	HRA	HRA	HRA	HRA	HR	HR
	z2	z3	z3	z3	z3	z3-4	z3	z3	z3-4	z4	z4-6	z3-6	z3-6
													
	HSCo	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo	HSCo
			Super G		Super G		Super G		Super G		Super G		TiCN
	DIN 844 L	DIN 844 K	DIN 844 K	DIN 844 L	DIN 844 L	DIN 844 K	DIN 327 D	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 K
													
													
													
	e8	k10	k10	k10	k10	k10	k12	k12	k12	k12	k12	k12	k12
	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 35°	λ 35°	λ 35°	λ 35°	λ 35°	λ 35°	λ 35°
	6.00 - 16.00	10.00 - 30.00	10.00 - 30.00	10.00 - 30.00	10.00 - 30.00	10.00 - 30.00	8.00 - 30.00	6.00 - 20.00	6.00 - 40.00	6.00 - 20.00	6.00 - 40.00	6.00 - 30.00	6.00 - 30.00
							NEW 2008.09	NEW 2008.09	NEW 2008.09				
		primax	primax	primax	primax	primax	primax	primax	primax	primax	primax		
	687	688	688	689	689	690	691	692	692	693	693	694	694
1.1	■45A	●55A	●133A	●49A	●119A	●55M						●45G	●90G
1.2	●36A	●44A	■106A	●39A	■95A	●44M						■36G	■72G
1.3	●31B	●38B	●93B	●34B	●83B	●38N	●102H	●38H	●93H	●38H	●93H	■31H	■63H
1.4							■87H	■33H	■79H	■33H	■79H	●27H	■54H
1.5							■60I	■22I	■54I	■22I	■54I		●36I
1.6							■26I	●10I	■24I	●10I	■24I		●16I
1.7													
1.8													
2.1	●20F	●25F	●48F	●22F	●43F	●25R	■52L	■25L	■48L	■25L	■48L	●20L	●31L
2.2	●17F	●21F	●40F	●19F	●36F		■44L	●21L	■40L	●21L	■40L		
2.3			●26F		●23F		■28L	■13L	■26L	■13L	■26L		●16L
2.4													
3.1							■67G	■30G	■61G	■30G	■61G	●25G	■40G
3.2							■55G	■25G	■50G	■25G	■50G	●20G	■33G
3.3							■96H	■44H	■88H	■44H	■88H	●36H	■57H
3.4							■60H	■27H	■55H	■27H	■55H	●22H	■36H
4.1	●25D	●30D	●46D	●27D	●41D	●30P	●50J	●30J	●46J	●30J	●46J	●25J	●32J
4.2			●37D		●34D		■41J	■25J	■37J	■25J	■37J	●20J	■26J
4.3							■18J	■11J	■16J	■11J	■16J		●12J
5.1	●43D	●52D	●127D	●47D	●114D	●52P	●140J	●52J	●127J	●52J	●127J	●43J	●86J
5.2			●27D		●24D		■29I	■14I	■27I	■14I	■27I	●11I	■17I
5.3							■13J	■6J	■11J	■6J	■11J		●7J
6.1	■112C	■137C	■261C	■123C	■235C	■137O						●112I	●180I
6.2			●261C		●235C	■137O	■287I	■137I	■261I	■137I	■261I	■112I	■180I
6.3						●137O						■112I	■180I
6.4							●28I	●13I	●26I	●13I	●26I		●18I
7.1	■270E	●330E	●798E	●297E	●718E	■330Q							
7.2	■270E	■330E	■798E	■297E	■718E	■330Q						●270K	●540K
7.3	■81E	●99E	■239E	●89E	■215E	●99Q						●81K	●162K
7.4			■133A		■120A		■146G	■55G	■133G	■55G	■133G		●90G
8.1	●112C					●137O						●112I	●270I
8.2													
8.3													
9.1													
10.1													
az	0.6	1.1	1.1	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9

	C491	C492	C407	C908	C493	C475	C944	C948	C477	C921	C424	C929	C439
	HRA	HRA	NRA	NRA	NRA	NR	NRA	NRA	NR	FS	FS	FS	FS
	z3-6	z3-6	z4-6	z4-6	z4-6	z4-6	z4-6	z4-6	z4-6	z3-6	z4-6	z4-6	z4-6
													
	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo XP	HSCo	HSCo XP	HSCo XP	HSCo	HSCo XP	HSCo XP	HSCo XP	HSCo XP
		Super G		Super G				Super G		Super G		Super R	
	DIN 844 L	DIN 844 L	DIN 844 K	DIN 844 K	DIN 844 K	DIN 845 K	DIN 844 L	DIN 844 L	DIN 845 L	DIN 844 K	DIN 844 K	DIN 844 K	DIN 844 L
													
													
	DIN 1835 B	DIN 1835 B	DIN 1835 B	DIN 1835 B	DIN 1835 B	DIN 228 A	DIN 1835 B	DIN 1835 B	DIN 228 A	DIN 1835 B	DIN 1835 B	DIN 1835 B	DIN 1835 B
	k12	k12	k12	k12	k12	k12	k12	k12	k12	k10	k10	k10	k10
	λ 35°	λ 35°	λ 35°	λ 35°	λ 30°	λ 30°	λ 35°	λ 35°	λ 30°	λ 45°	λ 30°	λ 30°	λ 30°
	6.00 - 30.00	6.00 - 30.00	6.00 - 40.00	6.00 - 40.00	8.00 - 32.00	14.00 - 50.00	6.00 - 50.00	6.00 - 32.00	16.00 - 40.00	6.00 - 32.00	6.00 - 30.00	6.00 - 30.00	6.00 - 30.00
	NEW 2008.09	NEW 2008.09	NEW 2008.09	NEW 2008.09	NEW 2008.09		NEW 2008.09	NEW 2008.09					
	primax	primax	primax	primax	primax		primax	primax		primax			
	695	695	696	696	697	698	699	699	700	701	702	702	703
1.1			●55G		●45G	●50G			●45G		■55M	■121M	■49M
1.2			■44G		■36G	■40G			■36G		■44M	■96M	■39M
1.3	■34H	■83H	■38H	■93H	■31H	■35H	■34H	■83H	■31H	■93N	■38N	■84N	■34N
1.4	■29H	■71H	■33H	■79H	■27H	■30H	■29H	■71H	■27H	■79N	●33N	●72N	●29N
1.5	■20I	■49I	■22I	■54I			■20I	■49I		■54O		●49O	
1.6	●9I	■21I	●10I	●24I			●9I	■21I		■24O		●22O	
1.7													
1.8													
2.1	■22L	■43L	■25L	■48L	●20L	●23L	■22L	■43L	●20L	■48R	●25R	●43R	●22R
2.2	●19L	■36L	●21L	■40L			●19L	■36L		■40R			
2.3	■12L	■23L	■13L	■26L			■12L	■23L		■26R		●23R	
2.4													
3.1	■27G	■55G	■30G	■61G	●25G	●28G	■27G	■55G	●25G	■61M	●30M	■55M	●27M
3.2	■22G	■45G	■25G	■50G	●20G	●23G	■22G	■45G	●20G	■50M	●25M	■45M	●22M
3.3	■39H	■79H	■44H	■88H	●36H	●40H	■39H	■79H	●36H	■88N	●44N	■79N	●39N
3.4	■24H	■49H	■27H	■55H	●22H	●25H	■24H	■49H	●22H	■55N	●27N	■49N	●24N
4.1	●27J	●41J	●30J	●46J	●25J	●28J	●27J	●41J	●25J	●46P	■30P	■43P	■27P
4.2	■22J	■34J	■25J	■37J	●20J	●23J	■22J	■34J	●20J	■37P	●25P	■35P	●22P
4.3	■10J	■15J	■11J	■16J			■10J	■15J		■16P		●15P	
5.1	●47J	●114J	●52J	■127J	●43J	●48J	●47J	●114J	●43J	●127P	■52P	■116P	■47P
5.2	■12I	■24I	■14I	■27I	●11I	●13I	■12I	■24I	●11I	■27O	■14O	■24O	●12O
5.3	■5J	■10J	■6J	■11J			■5J	■10J		■11P		●10Q	
6.1					●112I	●125I			●112I		■137O	■240O	■123O
6.2	■123I	■235I	■137I	■261I	■112I	■125I	■123I	■235I	■112I	■261O	■137O	■240O	■123O
6.3					■112I	■125I			■112I		■137O	■240O	■123O
6.4	●12I	●23I	●13I	●26I			●12I	●23I		●26O		●24O	
7.1											●330Q	●726Q	●297Q
7.2					●270K	●300K			●270K		●330Q	●726Q	●297Q
7.3					●81K	●90K			●81K		●99Q	●217Q	●89Q
7.4	■49G	■120G	●55G	●133G			■49G	■120G		■133M		●121M	
8.1					●112I	●125I			●112I		●137O	●357O	●123O
8.2													
8.3													
9.1													
10.1													
az	0.6	0.6	1.1	1.1	1.0	1.0	0.6	0.6	0.6	1.1	1.1	1.1	0.6



	C510	C516	C800	C810	C825	C822	C820	C801
	N	NR	N	N	N	N	N	NF
	Z4-6	Z4	Z6-8	Z6-8	Z8-12	Z6-12	Z6-12	Z6-8
								
	HSCo	HSCo	HSCo	HSS	HSCo	HSCo	HSS	HSCo
	DIN 844 L	DIN 844 K	DIN 851	D	D	DIN 859	D	DIN 851
								
								
	k10	k12	d11	d11	h11	h11		d11
	λ 30°	λ 30°	λ 12°	λ 12°	λ 10°	λ 10°	λ 12°	λ 12°
	6.00 - 32.00	10.00 - 32.00	11.00 - 50.00	12.50 - 1.61/64	40.00 - 63.00	4.50 - 45.50	10.50 - 45.50	16.00 - 32.00
	714	714	715	716	717	718	719	721
1.1	■45S	●50G	■36P	■25P	■34P	■37P	■25P	■39P
1.2	■36S	■40G	■36P	■25P	■28P	■37P	■25P	■39P
1.3	■31T	■35H	■29P	■20P	■28P	■29P	■20P	■32P
1.4	●27T	●30H	■25P	■17P	■22P	■26P	■18P	■27P
1.5			■18P	■12P	●14P	●19P	●13P	■19P
1.6			■14P	■9P	●10P	●15P	●10P	■15P
1.7								
1.8								
2.1	●20Y	●23L	■22P	■15P	■13P	■23P	■16P	■24P
2.2			■16P	■11P	■10P	■17P	■11P	■17P
2.3			■12R	■8R	●10R	●13R	●9R	■13R
2.4								
3.1	●25S	●28G	■21R	■21R	■22R	■22R	■22R	■23R
3.2	■20S	■23G	■18R	■18R	■19R	■19R	■19R	■19R
3.3	●36T	●40H	■29R	■20R	■30R	■29R	■20R	■32R
3.4	●22T	●25H	■18R	■12R	■19R	■19R	■13R	■19R
4.1	■25V	■28J	■29N	■20N	■34N	■29N	■20N	■32N
4.2	●20V	●23J	■20O	■14O	■22O	■21O	■14O	■22O
4.3			■11O	■7O	●10O	●12O	●8O	■12O
5.1	■43V	●48J	■36P	■25P	■36P	■37P	■25P	■39P
5.2	■11U	●13I	■11O	■5O	■5O	■12O	■6O	■12O
5.3			■6M	■3M	●5M	●6M	●3M	■6M
6.1	■112U	●125I	■100P	■50P	■28P	■100P	■50P	■111P
6.2	■112U	■125I	■100P	■55P	■34P	■100P	■55P	■111P
6.3	■112U	■125I	■35P	■19P	■34P	■100P	■55P	■38P
6.4			■14M	■7M	●12M	●15M	●7M	■15M
7.1	●270X		■250R	■62R	■70R	■260R	■65R	■277R
7.2	●270X	●300K	■250R	■50R	■70R	■260R	■52R	■277R
7.3	●81X	●90K	■64R	■32R	■28R	■66R	■33R	■71R
7.4			■43R	■21R	■18R	■44R	■22R	■47R
8.1	●112U	●125I	■100M	■50M	■35M	■100M	■50M	■111M
8.2								
8.3								
9.1								
10.1			■43R	■21R	●18R	●44R	●22R	■47R
az	0.6	1.0						

	C700	C710	C830	C837	C835	C831	D500
	N	N	N	N	N	N	N
	Z4-6	Z4	Z10-12	Z6-8	Z6-8	Z10-12	Z16-18
							
	HSCo	HSS	HSCo	HSS	HSS	HSCo	HSCo
							
							
							
							
							
							
	1.00 - 20.00	1/16 - 1/2	12.00 - 32.00	13.00 - 1.1/2	1/2 - 1.1/2	12.00 - 32.00	50.00 - 80.00
	722	722	723	724	724	725	726
1.1	■33P	■20P	■32P	■20P	■20P	■32P	■28P
1.2	■33P	■20P	■32P	■20P	■20P	■32P	■28P
1.3	■26P	■16P	■25P	■16P	■16P	■25P	■22P
1.4	■23P	■14P	■22P	■14P	■14P	■22P	■20P
1.5	●17P	●10P	●16P	●10P	●10P	●16P	●14P
1.6	●13P	●8P	●12P	●7P	●7P	●12P	●11P
1.7							
1.8							
2.1	■20P	■13P	■19P	■12P	■12P	■19P	■17P
2.2	■15P	■9P	■14P	■9P	■9P	■14P	■13P
2.3	●11R	●6R	●11R	●7R	●7R	●11R	●10R
2.4							
3.1	■20R	■18R	■18R	■17R	■17R	■18R	■17R
3.2	■17R	■15R	■16R	■15R	■15R	■16R	■14R
3.3	■26R	■16R	■25R	■16R	■16R	■25R	■22R
3.4	■17R	■10R	■16R	■10R	■10R	■16R	■14R
4.1	■26N	■16N	■25N	■16N	■16N	■25N	■22N
4.2	■19O	■11O	■17O	■11O	■11O	■17O	■16O
4.3	●10O	●6O	●9O	●6O	●6O	●9O	●9O
5.1	■33P	■20P	■32P	■20P	■20P	■32P	■28P
5.2	■10O	■4O	■9O	■4O	■4O	■9O	■9O
5.3	●6M	●2M	●5M	●2M	●2M	●5M	●5M
6.1	■90P	■40P	■88P	■40P	■40P	■88P	■77P
6.2	■90P	■45P	■88P	■44P	■44P	■88P	■77P
6.3	■90P	■45P	■77P	■15P	■15P	■77P	■77P
6.4	●13M	●5M	●12M	●5M	●5M	●12M	●10M
7.1	■245R	■55R	■190R	■50R	■50R	■190R	■190R
7.2	■228R	■41R	■190R	■40R	■40R	■190R	■190R
7.3	■60R	■26R	■56R	■25R	■25R	■56R	■50R
7.4	■40R	■17R	■37R	■17R	■17R	■37R	■33R
8.1			■77M	■40M	■40M	■77M	■77M
8.2							
8.3							
9.1							
10.1	●40R	●17R	●37R			●37R	●33R

	D552	D763	D200	D747	D745	D750	D751
	N	N	N	N			
	Z16-28	Z28-44	Z16-30	Z40-200	Z24-100	Z128-220	Z160-350
							
	HSCo	HSCo	HSCo	HSS	HSS	HSS	HSS
						ST	ST
	DIN 842	DIN 885 A	DIN 885 A	DIN 1837	DIN 1838	DIN 1837	DIN 1837
							
	js16	js16	js16				
	λ 0°	λ 15°	λ 15°				
	50.00 - 160.00	63.00 - 125.00	50.00 - 200.00	32.00 - 315.00	50.00 - 315.00	200.00 - 350.00	200.00 - 350.00
	727	728	729	730	732	733	733
1.1	■29P	■45P	■45P	■30P	■30P	■30P	■30P
1.2	■29P	■40P	■40P	■27P	■27P	■27P	■27P
1.3	■23P	■35P	■35P	■23P	■23P	■23P	■23P
1.4	■20P	■30P	■30P				
1.5	●15P	■20P	■20P				
1.6	●11P	■12P	■12P				
1.7							
1.8							
2.1	■18P	■30P	■30P	■18P	■18P	■18P	■18P
2.2	■13P	■20P	■20P				
2.3	●10R	■12R	■12R				
2.4							
3.1	■17R	■32R	■32R	■25R	■25R	■25R	■25R
3.2	■15R	■25R	■25R	■20R	■20R	■20R	■20R
3.3	■23R	■40R	■40R	■25R	■25R	■25R	■25R
3.4	■15R	■25R	■25R				
4.1	■23N	■30N	■30N	■18N	■18N	■18N	■18N
4.2	■16O	■20O	■20O	■15O	■15O	■15O	■15O
4.3	●9O	■15O	■15O				
5.1	■29P	■40P	■40P	■30P	■30P	■30P	■30P
5.2	■9O	■15O	■15O	■6O	■6O	■6O	■6O
5.3	●5M	■10M	■10M				
6.1	■80P	■150P	■150P	■55P	■55P	■55P	■55P
6.2	■80P	■150P	■150P	■60P	■60P	■60P	■60P
6.3	■80P	■150P	■150P	■60P	■60P	■60P	■60P
6.4	●11M	■15M	■15M				
7.1	■200R	■400R	■400R	■60R	■60R	■60R	■60R
7.2	■200R	■400R	■400R	■55R	■55R	■55R	■55R
7.3	■51R	■100R	■100R	■35R	■35R	■35R	■35R
7.4	■34R	■70R	■70R				
8.1	■80M	■150M	■150M	■60M	■60M	■60M	■60M
8.2							
8.3							
9.1							
10.1	●34R						

	D752	D753	D400	D420	D413	D401
			N	N	N	W
	Z80-180	Z100-140	Z8-12	Z8-12	Z6-8	Z4-6
						
	HSS	HSS	HSCo	HSCo	HSCo	HSCo
	ST	ST		TiCN		
	DIN 1837	DIN 1838	DIN 1880	DIN 1880	DIN 841	DIN 1880
						
			js16	js16	js16	js16
			λ 30°	λ 30°	λ 30°	λ 30°
	200.00 - 350.00	250.00 - 350.00	40.00 - 100.00	40.00 - 100.00	35.00 - 60.00	40.00 - 100.00
	734	734	735	735	736	736
1.1	■30P	■30P	■37J	■74J	■37J	■37J
1.2	■27P	■27P	■37J	■74J	■37J	■37J
1.3	■23P	■23P	■30J	■67J	■30J	●30J
1.4			■26J	■52J	■26J	●26J
1.5			●19J	■37J	●19J	●19J
1.6			●15H	■30H	●15H	
1.7						
1.8						
2.1	■18P	■18P	■23H	■37H	■23H	■23H
2.2			●17H	■30H	●17H	●17H
2.3			■13H	■21H	■13H	●13H
2.4						
3.1	■25R	■25R	■22K	■37K	■22K	●22K
3.2	■20R	■20R	■19K	■30K	■19K	●19K
3.3	■25R	■25R	■30K	■49K	■30K	●30K
3.4			■19K	■31K	■19K	●19K
4.1	■18N	■18N	■30J	■37J	■30J	■30J
4.2	■15O	■15O	●21I	■26I	●21I	●21I
4.3			●12I	■15I	●12I	●12I
5.1	■30P	■30P	■37J	■74J	■37J	■37J
5.2	■6O	■6O	●12I	■19I	●12I	●12I
5.3			●6G	■12G	●6G	●6G
6.1	■55P	■55P	■104I	■148I	■104I	■104I
6.2	■60P	■60P	■104I	■148I	■104I	■104I
6.3	■60P	■60P	■36I	■52I	■36I	■36I
6.4			●14H	■19H	●14H	●14H
7.1	■60R	■60R	●260I	●260I	■260I	■260I
7.2	■55R	■55R	■260I	■260I	■260I	■260I
7.3	■35R	■35R	■67I	■133I	■67I	■67I
7.4			●44K	■74K	●44K	●44K
8.1	■60M	■60M	●104I	■122I	●104I	●104I
8.2			●30I	●59I	●30I	●30I
8.3			●7I	●15I	●7I	●7I
9.1						
10.1			●44K	■127K	●44K	

	D402	D422	D412	D403	D423
					
	Z6-12	Z6-10	Z6-10	Z6-12	Z6-10
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

HSS		Ø mm mm/z ± 25%																				
		1	2	3	4	5	6	8	10	12	14	16	18	20	22	25	28	30	32	36	40	50
 ↑ 0,5D ↔ D	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	0,085
 ↑ D ↔ 0,8D	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
 ↑ 1,5D ↔ 0,25D	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
 ↑ 1,5D ↔ 0,1D	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

HSS		Ø mm mm/z ± 25%								
		11	12,5	16	18	21	25	32	40	50
 ↑ b ↔ D	A	0,013	0,017	0,022	0,032	0,039	0,038	0,045	0,045	0,045
	B	0,018	0,022	0,027	0,041	0,048	0,046	0,055	0,060	0,060
	C	0,020	0,025	0,030	0,046	0,055	0,055	0,060	0,060	0,060
	D	0,025	0,030	0,043	0,058	0,065	0,064	0,070	0,070	0,070
	E	0,040	0,045	0,048	0,058	0,065	0,064	0,070	0,070	0,070
	F	0,045	0,055	0,070	0,105	0,122	0,119	0,128	0,128	0,128

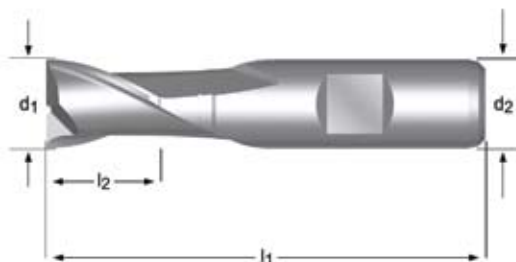
HSS		Ø mm mm/z ± 25%						
		50	63	80	100	125	160	200
 ↑ 0,1D	A	0,040	0,050	0,060	0,070	0,080	0,090	0,100
	B	0,060	0,070	0,080	0,090	0,100	0,105	0,115
	C	0,070	0,080	0,090	0,100	0,105	0,110	0,120
	D	0,080	0,090	0,095	0,110	0,115	0,115	0,125
	E	0,090	0,100	0,105	0,110	0,115	0,125	0,135

az		Ø mm mm/z ± 25%			
		1	2	3	
 ↑ 0,5D ↔ D	A	0,004	0,008	0,013	
	B	0,004	0,007	0,012	
	C	0,003	0,006	0,011	
	D	0,004	0,007	0,011	
	E	0,007	0,012	0,018	
	F	0,007	0,009	0,013	

C301
 3.1 ● 28A
 3.2 ● 23A
 3.3 ● 40B
 3.4 ● 25B
 az 0,9
 = 0,9 X 0,012 = 0,0108

HSS		Ø mm mm/z ± 25%					
		40	50	63	80	100	125
 ↑ 0,1D ↔ 0,75D	A	0,022	0,026	0,028	0,026	0,024	
	B	0,030	0,035	0,038	0,035	0,033	
	C	0,040	0,045	0,048	0,045	0,042	
	D	0,055	0,060	0,067	0,060	0,063	
	E	0,090	0,110	0,150	0,145	0,115	
	F	0,080	0,095	0,100	0,095	0,085	
	G	0,160	0,180	0,200	0,240	0,190	
	H	0,200	0,220	0,300	0,280	0,310	
 ↑ 0,25D ↔ 0,75D	A	0,042	0,049	0,040	0,047	0,040	0,037
	B	0,050	0,059	0,047	0,055	0,048	0,044
	C	0,062	0,071	0,058	0,066	0,058	0,054
	D	0,082	0,095	0,078	0,090	0,078	0,073
	E	0,118	0,140	0,110	0,130	0,110	0,103
	F	0,145	0,171	0,136	0,160	0,136	0,127
	G	0,185	0,160	0,170	0,200	0,170	0,160
	H	0,270	0,320	0,250	0,290	0,250	0,230

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C110

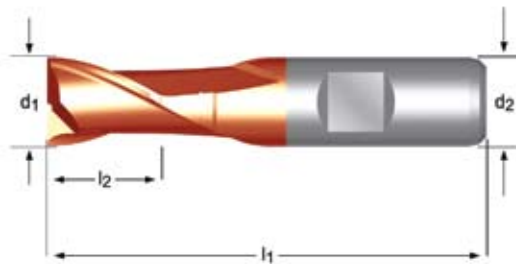


■	1.1	1.2	4.1	5.1	6.1	6.2	6.3								
●	1.3	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1		

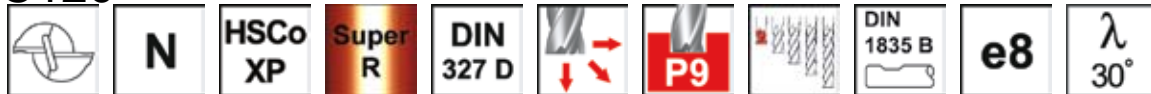
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
1.00	6	2.5	47	2	C1101.0	11.70	12	13	70	2	C11011.7
1.50	6	3	47	2	C1101.5	12.00	12	16	73	2	C11012.0
1.80	6	3	47	2	C1101.8	12.50	12	16	73	2	C11012.5
2.00	6	4	48	2	C1102.0	12.70	12	16	73	2	C11012.7
2.50	6	5	49	2	C1102.5	13.00	12	16	73	2	C11013.0
2.80	6	5	49	2	C1102.8	13.70	12	16	73	2	C11013.7
3.00	6	5	49	2	C1103.0	14.00	12	16	73	2	C11014.0
3.50	6	6	50	2	C1103.5	15.00	12	16	73	2	C11015.0
3.80	6	7	51	2	C1103.8	15.70	16	19	79	2	C11015.7
4.00	6	7	51	2	C1104.0	16.00	16	19	79	2	C11016.0
4.50	6	7	51	2	C1104.5	17.00	16	19	79	2	C11017.0
4.80	6	8	52	2	C1104.8	17.70	16	19	79	2	C11017.7
5.00	6	8	52	2	C1105.0	18.00	16	19	79	2	C11018.0
5.50	6	8	52	2	C1105.5	19.00	16	19	79	2	C11019.0
5.75	6	8	52	2	C1105.75	19.70	20	22	88	2	C11019.7
6.00	6	8	52	2	C1106.0	20.00	20	22	88	2	C11020.0
6.50	10	10	60	2	C1106.5	21.70	20	22	88	2	C11021.7
6.75	10	10	60	2	C1106.75	22.00	20	22	88	2	C11022.0
7.00	10	10	60	2	C1107.0	24.00	25	26	102	2	C11024.0
7.50	10	10	60	2	C1107.5	24.70	25	26	102	2	C11024.7
7.75	10	11	61	2	C1107.75	25.00	25	26	102	2	C11025.0
8.00	10	11	61	2	C1108.0	26.00	25	26	102	2	C11026.0
8.50	10	11	61	2	C1108.5	28.00	25	26	102	2	C11028.0
9.00	10	11	61	2	C1109.0	30.00	25	26	102	2	C11030.0
9.50	10	11	61	2	C1109.5	32.00	32	32	112	2	C11032.0
9.70	10	13	63	2	C1109.7	36.00	32	32	112	2	C11036.0 ¹⁾
10.00	10	13	63	2	C11010.0	40.00	40	38	130	2	C11040.0 ¹⁾
10.50	12	13	70	2	C11010.5	45.00	40	38	130	2	C11045.0 ¹⁾
11.00	12	13	70	2	C11011.0	50.00	50	45	147	2	C11050.0 ¹⁾
11.50	12	13	70	2	C11011.5						

¹⁾ HSCo

- Drážkovací frézy
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C126

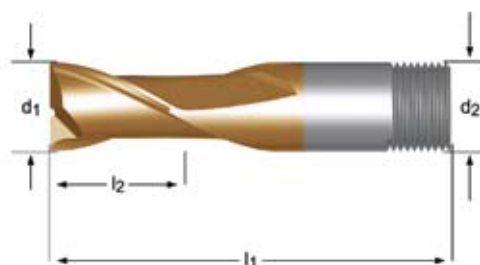


■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3
•	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1			

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
1.00	6	2.5	47	2	C1261.0
1.50	6	3	47	2	C1261.5
2.00	6	4	48	2	C1262.0
2.50	6	5	49	2	C1262.5
3.00	6	5	49	2	C1263.0
3.50	6	6	50	2	C1263.5
4.00	6	7	51	2	C1264.0
4.50	6	7	51	2	C1264.5
4.80	6	8	52	2	C1264.8
5.00	6	8	52	2	C1265.0
5.50	6	8	52	2	C1265.5
5.75	6	8	52	2	C1265.75
6.00	6	8	52	2	C1266.0
6.50	10	10	60	2	C1266.5
7.00	10	10	60	2	C1267.0
7.50	10	10	60	2	C1267.5
7.75	10	11	61	2	C1267.75
8.00	10	11	61	2	C1268.0
8.50	10	11	61	2	C1268.5
9.00	10	11	61	2	C1269.0
9.50	10	11	61	2	C1269.5
9.70	10	13	63	2	C1269.7

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	13	63	2	C12610.0
10.50	12	13	70	2	C12610.5
11.00	12	13	70	2	C12611.0
11.50	12	13	70	2	C12611.5
11.70	12	13	70	2	C12611.7
12.00	12	16	73	2	C12612.0
12.50	12	16	73	2	C12612.5
13.00	12	16	73	2	C12613.0
13.70	12	16	73	2	C12613.7
14.00	12	16	73	2	C12614.0
15.00	12	16	73	2	C12615.0
15.70	16	19	79	2	C12615.7
16.00	16	19	79	2	C12616.0
18.00	16	19	79	2	C12618.0
20.00	20	22	88	2	C12620.0
22.00	20	22	88	2	C12622.0
24.00	25	26	102	2	C12624.0
25.00	25	26	102	2	C12625.0
30.00	25	26	102	2	C12630.0

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C191



- 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

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
	1.50	6.00	2.5	48.5	2	C1911.5
1/16	1.59	6.35 - 1/4	2.5	48.5	2	C1911/16 ¹⁾
5/64	1.98	6.35 - 1/4	2.5	49.0	2	C1915/64 ¹⁾
	2.00	6.00	3.0	49.0	2	C1912.0
3/32	2.38	6.35 - 1/4	4.5	51.0	2	C1913/32 ¹⁾
	2.50	6.00	4.5	51.0	2	C1912.5
7/64	2.78	6.35 - 1/4	6.5	51.0	2	C1917/64 ¹⁾
	3.00	6.00	7.0	51.0	2	C1913.0
1/8	3.18	6.35 - 1/4	7.0	51.0	2	C1911/8 ¹⁾
	3.50	6.00	7.5	52.5	2	C1913.5
9/64	3.57	6.35 - 1/4	9.5	52.5	2	C1919/64 ¹⁾
5/32	3.97	6.35 - 1/4	9.5	52.5	2	C1915/32 ¹⁾
	4.00	6.00	9.5	52.5	2	C1914.0
11/64	4.37	6.35 - 1/4	9.5	52.5	2	C19111/64 ¹⁾
	4.50	6.00	9.5	52.5	2	C1914.5
3/16	4.76	6.35 - 1/4	9.5	52.5	2	C1913/16 ¹⁾
	5.00	6.00	9.5	52.5	2	C1915.0
13/64	5.16	6.35 - 1/4	11.0	55.5	2	C19113/64 ¹⁾
	5.50	6.00	11.0	55.5	2	C1915.5
7/32	5.56	6.35 - 1/4	11.0	55.5	2	C1917/32 ¹⁾
15/64	5.95	6.35 - 1/4	11.0	56.5	2	C19115/64 ¹⁾
	6.00	6.00	11.0	56.5	2	C1916.0
1/4	6.35	6.35 - 1/4	11.0	56.5	2	C1911/4 ¹⁾
	6.50	10.00	11.0	58.5	2	C1916.5
17/64	6.75	9.53 - 3/8	11.0	59.5	2	C19117/64 ¹⁾
	7.00	10.00	11.0	58.5	2	C1917.0
9/32	7.14	9.53 - 3/8	11.0	58.5	2	C1919/32 ¹⁾
	7.50	10.00	11.0	58.5	2	C1917.5
19/64	7.54	9.53 - 3/8	12.5	58.5	2	C19119/64 ¹⁾
5/16	7.94	9.53 - 3/8	12.5	59.5	2	C1915/16 ¹⁾
	8.00	10.00	12.5	59.5	2	C1918.0
21/64	8.33	9.53 - 3/8	14.5	59.5	2	C19121/64 ¹⁾
	8.50	10.00	14.5	60.5	2	C1918.5
11/32	8.73	9.53 - 3/8	14.5	60.5	2	C19111/32 ¹⁾
	9.00	10.00	14.5	60.5	2	C1919.0
23/64	9.13	9.53 - 3/8	14.5	60.5	2	C19123/64 ¹⁾
	9.50	10.00	14.5	60.5	2	C1919.5
3/8	9.53	9.53 - 3/8	14.5	60.5	2	C1913/8 ¹⁾
25/64	9.92	9.53 - 3/8	16.0	60.5	2	C19125/64 ¹⁾
	10.00	10.00	14.5	60.5	2	C19110.0
13/32	10.32	9.53 - 3/8	16.0	60.5	2	C19113/32 ¹⁾
	10.50	12.00	17.5	65.0	2	C19110.5

¹⁾ tolerance průměru - .0005" - .0013" / az átmérő tűrése - .0005 inches - .0013 inches / Tolerancja srednicy - .0005 cala - .0013 cala / toleranta diametrului - .0005 inches - .0013 inches / допуск на диаметр - 0.0005 дюйма - 0.0013 дюйма / toleranca premera - .0005 col - .0013 col

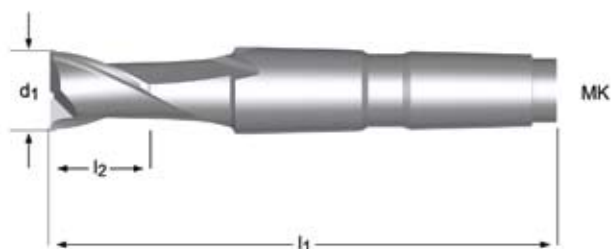
d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z e-Code
27/64	10.72	12.70 - 1/2	17.5	65.0	2 C19127/64 ¹⁾
	11.00	12.00	17.5	65.0	2 C19111.0
7/16	11.11	12.70 - 1/2	17.5	65.0	2 C1917/16 ¹⁾
	11.50	12.00	17.5	65.0	2 C19111.5
29/64	11.51	12.70 - 1/2	17.5	65.0	2 C19129/64 ¹⁾
	12.00	12.00	19.0	66.5	2 C19112.0
31/64	12.30	12.70 - 1/2	19.0	66.5	2 C19131/64 ¹⁾
1/2	12.70	12.70 - 1/2	19.0	66.5	2 C1911/2 ¹⁾
	13.00	12.00	19.0	66.5	2 C19113.0
17/32	13.49	12.70 - 1/2	22.0	68.5	2 C19117/32 ²⁾
	14.00	12.00	22.0	68.5	2 C19114.0
9/16	14.29	12.70 - 1/2	21.5	69.0	2 C1919/16 ²⁾
	15.00	16.00	22.0	72.0	2 C19115.0
19/32	15.08	15.88 - 5/8	22.0	72.0	2 C19119/32 ²⁾
5/8	15.88	15.88 - 5/8	22.0	72.0	2 C1915/8 ²⁾
	16.00	16.00	22.0	72.0	2 C19116.0
21/32	16.67	15.88 - 5/8	24.0	73.0	2 C19121/32 ²⁾
	17.00	16.00	24.0	74.0	2 C19117.0
11/16	17.46	15.88 - 5/8	24.0	74.0	2 C19111/16 ²⁾
	18.00	16.00	24.0	74.0	2 C19118.0
23/32	18.26	15.88 - 5/8	25.5	75.5	2 C19123/32 ²⁾
	19.00	16.00	25.5	77.0	2 C19119.0
3/4	19.05	15.88 - 5/8	25.5	77.0	2 C1913/4 ²⁾
	20.00	16.00	25.5	77.0	2 C19120.0
13/16	20.64	25.40 - 1	25.4	98.5	2 C19113/16 ²⁾
	21.00	25.00	25.5	98.5	2 C19121.0
	22.00	25.00	25.5	100.0	2 C19122.0
7/8	22.23	25.40 - 1	25.5	100.0	2 C1917/8 ²⁾
	23.00	25.00	25.5	101.5	2 C19123.0
15/16	23.81	25.40 - 1	25.5	103.0	2 C19115/16 ²⁾
	24.00	25.00	25.5	103.0	2 C19124.0
	25.00	25.00	27.0	95.0	2 C19125.0
1	25.40	25.40 - 1	27.0	95.0	2 C1911 ²⁾
	26.00	25.00	27.0	95.0	2 C19126.0
1.1/16	26.99	25.40 - 1	28.5	93.5	2 C1911.1/16 ²⁾
	27.00	25.00	28.5	93.5	2 C19127.0
	28.00	25.00	30.0	95.0	2 C19128.0
1.1/8	28.58	25.40 - 1	30.0	95.0	2 C1911.1/8 ²⁾
	29.00	25.00	30.0	93.5	2 C19129.0
	30.00	25.00	30.0	93.5	2 C19130.0
1.1/4	31.75	25.40 - 1	38.0	101.5	2 C1911.1/4X1 ²⁾
1.1/4	31.75	31.75 - 1.1/4	35.0	117.5	2 C1911.1/4X1.1/4 ²⁾
	32.00	25.00	38.0	101.5	2 C19132.0X25.0
	34.00	25.00	38.0	101.5	2 C19134.0X25.0
1.3/8	34.93	25.40 - 1	39.5	103.0	2 C1911.3/8X1 ²⁾
	35.00	25.00	39.5	103.0	2 C19135.0X25.0
	36.00	25.00	39.5	103.0	2 C19136.0X25.0
	38.00	25.00	43.0	106.5	2 C19138.0X25.0
1.1/2	38.10	25.40 - 1	43.0	106.5	2 C1911.1/2X1 ²⁾
1.1/2	38.10	31.75 - 1.1/4	43.0	114.5	2 C1911.1/2X1.1/4 ²⁾
	40.00	25.00	46.0	111.0	2 C19140.0X25.0
1.5/8	41.28	25.40 - 1	47.5	112.5	2 C1911.5/8X1 ²⁾
1.3/4	44.45	25.40 - 1	51.0	116.0	2 C1911.3/4X1 ²⁾
	45.00	25.00	51.0	116.0	2 C19145.0X25.0
	50.00	32.00	51.0	117.5	2 C19150.0X32.0
2"	50.80	25.40 - 1	57.0	122.0	2 C1912X1 ²⁾

¹⁾ tolerance průměru - .0005" -.0013" / az átmérő tűrése -.0005 inches -.0013 inches / Tolerancja srednicy -.0005 cala -.0013 cala / toleranta diametrului -.0005 inches -.0013 inches / допуск на диаметр -0.0005 дюйма -0.0013 дюйма / toleranca premera -.0005 col -.0013 col

²⁾ tolerance průměru - .0005" -.0015" / az átmérő tűrése -.0005 inches -.0015 inches / tolerancja srednicy -.0005 cala -.0015 cala / toleranta diametrului -.0005 inches -.0015 inches / допуск на диаметр -0.0005 дюйма -0.0015 дюйма / toleranca premera -.0005 col -.0015 col

C165

- | | | |
|--------------------|-------------------------------|-------------------------------------|
| • Drážkovací frézy | • Hosszlyukmaró kúpos szárral | • Frezy palcowe do rowków na wpusty |
| • Freze deget | • Шпоночные фрезы | • rezkar dvorezni |



C165



N

HSCo



DIN 326



DIN
228 A

e8

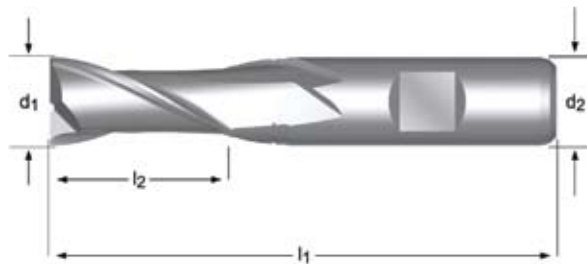
$$\lambda_{30^\circ}$$

- | | | | | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| ■ | 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 | | | |

d ₁ Ø	l ₂	l ₁			
mm	mm	mm	MK	z	e-Code
14.00	16	101	2	2	C16514.0
16.00	19	104	2	2	C16516.0
18.00	19	104	2	2	C16518.0
20.00	22	107	2	2	C16520.0
22.00	22	107	2	2	C16522.0
25.00	26	128	3	2	C16525.0

d_1 Ø	l_2	l_1	MK	z	e-Code
28.00	26	128	3	2	C16528.0
30.00	26	128	3	2	C16530.0
32.00	32	157	4	2	C16532.0
36.00	32	157	4	2	C16536.0
40.00	38	163	4	2	C16540.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



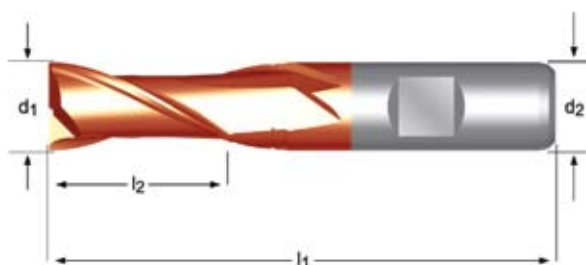
C123



- 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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	51	2	C1232.0	10.00	10	22	72	2	C12310.0
2.50	6	8	52	2	C1232.5	11.00	12	22	79	2	C12311.0
3.00	6	8	52	2	C1233.0	12.00	12	26	83	2	C12312.0
3.50	6	10	54	2	C1233.5	13.00	12	26	83	2	C12313.0
4.00	6	11	55	2	C1234.0	14.00	12	26	83	2	C12314.0
4.50	6	11	55	2	C1234.5	15.00	12	26	83	2	C12315.0
5.00	6	13	57	2	C1235.0	16.00	16	32	92	2	C12316.0
5.50	6	13	57	2	C1235.5	18.00	16	32	92	2	C12318.0
6.00	6	13	57	2	C1236.0	20.00	20	38	104	2	C12320.0
6.50	10	16	66	2	C1236.5	22.00	20	38	104	2	C12322.0
7.00	10	16	66	2	C1237.0	25.00	25	45	121	2	C12325.0
7.50	10	16	66	2	C1237.5	30.00	25	45	121	2	C12330.0
8.00	10	19	69	2	C1238.0	32.00	32	53	133	2	C12332.0
8.50	10	19	69	2	C1238.5	36.00	32	53	133	2	C12336.0
9.00	10	19	69	2	C1239.0	40.00	40	63	155	2	C12340.0
9.50	10	19	69	2	C1239.5						

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



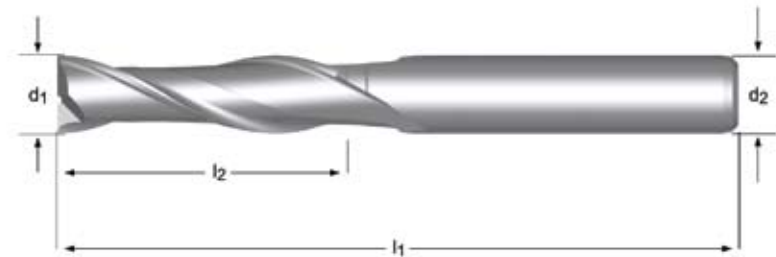
C139



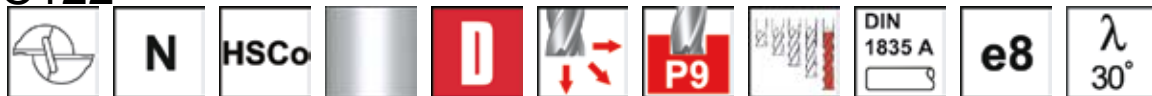
■	1.1	1.2	1.3	1.4	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3
●	1.5	1.6	2.1	2.3	4.3	5.3	6.4	7.1	7.2	7.3	7.4	8.1			

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
2.00	6	7	51	2	C1392.0	9.00	10	19	69	2	C1399.0
2.50	6	8	52	2	C1392.5	9.50	10	19	69	2	C1399.5
3.00	6	8	52	2	C1393.0	10.00	10	22	72	2	C13910.0
3.50	6	10	54	2	C1393.5	11.00	12	22	79	2	C13911.0
4.00	6	11	55	2	C1394.0	12.00	12	26	83	2	C13912.0
4.50	6	11	55	2	C1394.5	13.00	12	26	83	2	C13913.0
5.00	6	13	57	2	C1395.0	14.00	12	26	83	2	C13914.0
5.50	6	13	57	2	C1395.5	15.00	12	26	83	2	C13915.0
6.00	6	13	57	2	C1396.0	16.00	16	32	92	2	C13916.0
6.50	10	16	66	2	C1396.5	18.00	16	32	92	2	C13918.0
7.00	10	16	66	2	C1397.0	20.00	20	38	104	2	C13920.0
7.50	10	16	66	2	C1397.5	22.00	20	38	104	2	C13922.0
8.00	10	19	69	2	C1398.0	25.00	25	45	121	2	C13925.0
8.50	10	19	69	2	C1398.5	30.00	25	45	121	2	C13930.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



C122

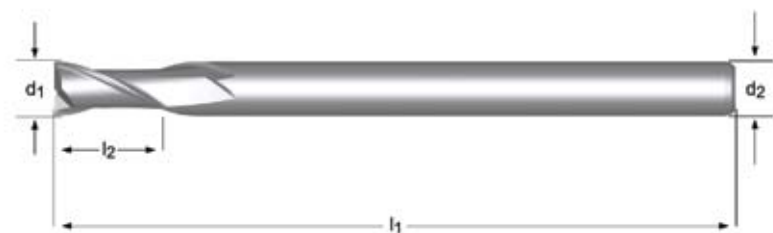


- 1.1 1.2 5.1 6.1 6.2 6.3
- 1.3 1.4 2.1 3.1 3.2 3.3 3.4 4.1 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
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	C12216.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	65	150	2	C12218.0
20.00	20	70	160	2	C12220.0
22.00	20	75	170	2	C12222.0
25.00	25	82	185	2	C12225.0
30.00	25	90	205	2	C12230.0

- Kopírovací frézy
- Gravírmáró
- Frezy do kopiowania
- Freze de copiere
- Сферические концевые фрезы, сверхдлинное исполнение для копировальных работ
- rezkar kopirni



C167



- 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

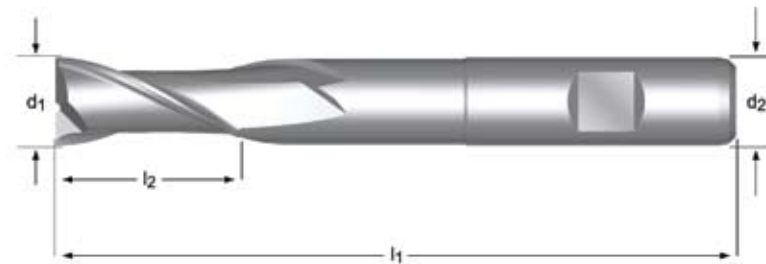
d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
6.00	6	13	180	2	C1676.0
8.00	8	19	180	2	C1678.0
10.00	10	22	200	2	C16710.0
12.00	12	26	200	2	C16712.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
16.00	16	32	200	2	C16716.0

C135

DORMER

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



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

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
2.00	6	10	54	2	C1352.0
3.00	6	12	56	2	C1353.0
4.00	6	19	63	2	C1354.0
5.00	6	24	68	2	C1355.0
6.00	6	24	68	2	C1356.0
7.00	10	30	80	2	C1357.0
8.00	10	38	88	2	C1358.0
9.00	10	38	88	2	C1359.0
10.00	10	45	95	2	C13510.0
11.00	12	45	102	2	C13511.0
12.00	12	53	110	2	C13512.0
13.00	12	53	110	2	C13513.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
14.00	12	53	110	2	C13514.0
15.00	12	53	110	2	C13515.0
16.00	16	63	123	2	C13516.0
17.00	16	63	123	2	C13517.0
18.00	16	63	123	2	C13518.0
19.00	16	63	123	2	C13519.0
20.00	20	75	141	2	C13520.0
25.00	25	90	166	2	C13525.0
30.00	25	90	166	2	C13530.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



C192



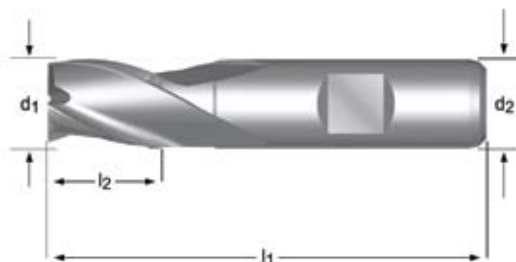
- 1.1 1.2 4.1 5.1 6.1 6.2 6.3
- 1.3 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	
1/16	1.59	6.35 - 1/4	4.5	51.0	2	C1921/16	¹⁾
	2.00	6.0	4.0	51.0	2	C1922.0	
	3.00	6.0	11.0	60.5	2	C1923.0	
1/8	3.18	6.35 - 1/4	11.0	63.5	2	C1921/8	¹⁾
5/32	3.97	6.35 - 1/4	12.5	70.0	2	C1925/32	¹⁾
	4.00	6.0	12.5	66.5	2	C1924.0	
3/16	4.76	6.35 - 1/4	12.5	70.0	2	C1923/16	¹⁾
	5.00	6.0	12.5	70.0	2	C1925.0	
	6.00	6.0	16.0	76.0	2	C1926.0	
1/4	6.35	6.35 - 1/4	16.0	76.0	2	C1921/4	¹⁾
	6.50	10.0	16.0	76.0	2	C1926.5	
	7.00	10.0	16.0	76.0	2	C1927.0	
9/32	7.14	9.53 - 3/8	16.0	76.0	2	C1929/32	¹⁾
	7.50	10.0	16.0	76.0	2	C1927.5	
5/16	7.94	9.53 - 3/8	19.0	79.5	2	C1925/16	¹⁾
	8.00	10.0	19.0	79.5	2	C1928.0	
	8.50	10.0	22.0	82.5	2	C1928.5	
11/32	8.73	9.53 - 3/8	22.0	82.5	2	C19211/32	¹⁾
	9.00	10.0	22.0	82.5	2	C1929.0	
3/8	9.53	9.53 - 3/8	22.0	82.5	2	C1923/8	¹⁾
	10.00	10.0	22.0	82.5	2	C19210.0	
13/32	10.32	9.53 - 3/8	22.2	89.0	2	C19213/32	¹⁾
	11.00	12.0	22.0	89.0	2	C19211.0	
7/16	11.11	12.7 - 1/2	22.0	89.0	2	C1927/16	¹⁾
	12.00	12.0	25.5	95.0	2	C19212.0	
1/2	12.70	12.7 - 1/2	25.5	95.0	2	C1921/2	¹⁾
	13.00	12.0	25.5	95.0	2	C19213.0	
	14.00	12.0	28.5	101.5	2	C19214.0	
9/16	14.29	12.7 - 1/2	28.5	101.5	2	C1929/16	²⁾
	15.00	16.0	31.5	108.0	2	C19215.0	
5/8	15.88	15.88 - 5/8	31.5	108.0	2	C1925/8	²⁾
	16.00	16.0	31.5	108.0	2	C19216.0	
	17.00	16.0	35.0	114.5	2	C19217.0	
	18.00	16.0	35.0	114.5	2	C19218.0	
	19.00	16.0	38.0	120.5	2	C19219.0	
3/4	19.05	15.88 - 5/8	38.0	120.7	2	C1923/4	²⁾
	20.00	16.0	38.0	120.5	2	C19220.0	
	22.00	25.0	41.5	140.0	2	C19222.0	
7/8	22.23	25.4 - 1	41.5	139.7	2	C1927/8	²⁾
	24.00	25.0	41.5	152.5	2	C19224.0	
	25.00	25.0	44.5	159.0	2	C19225.0	
1"	25.40	25.4 - 1	44.5	159.0	2	C1921	²⁾
	26.00	25.0	44.5	159.0	2	C19226.0	
	28.00	25.0	47.5	159.0	2	C19228.0	
	30.00	25.0	51.0	159.0	2	C19230.0	
1.1/8	28.58	25.4 - 1	47.5	159.0	2	C1921.1/8	²⁾
1.1/4	31.75	25.4 - 1	51.0	159.0	2	C1921.1/4X1	²⁾
1.1/2	38.10	25.4 - 1	57.0	159.0	2	C1921.1/2X1	²⁾

¹⁾ tolerance průměru - .0005" - .0013" / az átmérő tűrése -.0005 inches -.0013 inches / Tolerancja srednicy -.0005 cala -.0013 cala / toleranta diametrului -.0005 inches -.0013 inches / допуск на диаметр -0.0005 дюйма -0.0013 дюйма / toleranca premera -.0005 col -.0013 col

²⁾ tolerance průměru - .0005" - .0015" / az átmérő tűrése -.0005 inches -.0015 inches / tolerancja srednicy -.0005 cala -.0015 cala / toleranta diametrului -.0005 inches -.0015 inches / допуск на диаметр -0.0005 дюйма -0.0015 дюйма / toleranca premera -.0005 col -.0015 col

- Drážkovací frézy - Primax
- Hosszlyukmaró - Primax
- Frezy palcowe do rowków na wpusty - Primax
- Freze deget - Primax
- Шпоночные фрезы - Primax
- rezkar dvorezni - Primax



C306



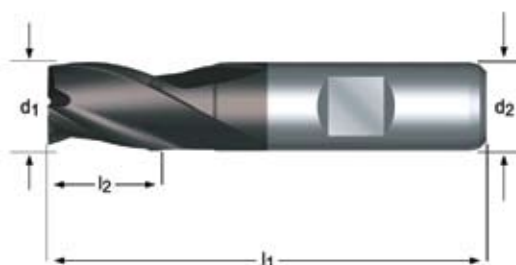
■	1.2	1.3	4.1	5.1	6.1	6.2	6.3							
●	1.1	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.2	7.3	8.1		

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.80	6	5	49	3	C3062.8
3.00	6	5	49	3	C3063.0
3.50	6	6	50	3	C3063.5
3.80	6	7	51	3	C3063.8
4.00	6	7	51	3	C3064.0
4.50	6	7	51	3	C3064.5
4.80	6	8	52	3	C3064.8
5.00	6	8	52	3	C3065.0
5.50	6	8	52	3	C3065.5
5.75	6	8	52	3	C3065.75
6.00	6	8	52	3	C3066.0
6.50	10	10	60	3	C3066.5
7.00	10	10	60	3	C3067.0
7.50	10	10	60	3	C3067.5
7.75	10	11	61	3	C3067.75
8.00	10	11	61	3	C3068.0
8.50	10	11	61	3	C3068.5
9.00	10	11	61	3	C3069.0
9.50	10	11	61	3	C3069.5
9.70	10	13	63	3	C3069.7
10.00	10	13	63	3	C30610.0
11.00	12	13	70	3	C30611.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
11.70	12	13	70	3	C30611.7
12.00	12	16	73	3	C30612.0
13.00	12	16	73	3	C30613.0
13.70	12	16	73	3	C30613.7
14.00	12	16	73	3	C30614.0
15.00	12	16	73	3	C30615.0
15.70	16	19	79	3	C30615.7
16.00	16	19	79	3	C30616.0
17.00	16	19	79	3	C30617.0
18.00	16	19	79	3	C30618.0
19.00	16	19	79	3	C30619.0
19.70	20	22	88	3	C30619.7
20.00	20	22	88	3	C30620.0
22.00	20	22	88	3	C30622.0
25.00	25	26	102	3	C30625.0
28.00	25	26	102	3	C30628.0
30.00	25	26	102	3	C30630.0
32.00	32	32	112	3	C30632.0
36.00	32	32	112	3	C30636.0 ³⁾
40.00	40	38	130	3	C30640.0 ³⁾

³⁾ K dispozíci pouze HSCo / Csak HSCo kivitelben / Dostepne tylko jako HSCo / Disponibil numai in HSCo / Заказ только исполнении из быстрорежущей стали / Dobavljiv samoHSCo

- Drážkovací frézy - Primax
- Hosszlyukmaró - Primax
- Frezy palcowe do rowków na wpusty - Primax
- Freze deget - Primax
- Шпоночные фрезы - Primax
- rezkar dvorezni - Primax


primax

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			

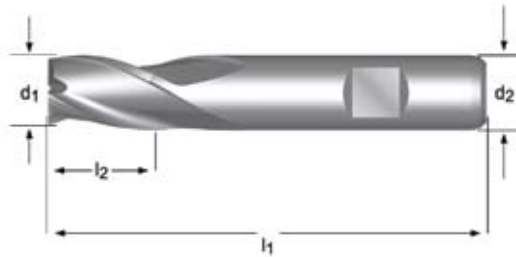
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	5	49	3	C3533.0
3.50	6	6	50	3	C3533.5
4.00	6	7	51	3	C3534.0
4.50	6	7	51	3	C3534.5
4.80	6	8	52	3	C3534.8
5.00	6	8	52	3	C3535.0
5.50	6	8	52	3	C3535.5
5.75	6	8	52	3	C3535.75
6.00	6	8	52	3	C3536.0
6.50	10	10	60	3	C3536.5
7.00	10	10	60	3	C3537.0
7.50	10	10	60	3	C3537.5
7.75	10	11	61	3	C3537.75
8.00	10	11	61	3	C3538.0
8.50	10	11	61	3	C3538.5
9.00	10	11	61	3	C3539.0
9.50	10	11	61	3	C3539.5
9.70	10	13	63	3	C3539.7

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	13	63	3	C35310.0
11.00	12	13	70	3	C35311.0
11.70	12	13	70	3	C35311.7
12.00	12	16	73	3	C35312.0
13.00	12	16	73	3	C35313.0
13.70	12	16	73	3	C35313.7
14.00	12	16	73	3	C35314.0
15.00	12	16	73	3	C35315.0
15.70	16	19	79	3	C35315.7
16.00	16	19	79	3	C35316.0
18.00	16	19	79	3	C35318.0
19.70	20	22	88	3	C35319.7
20.00	20	22	88	3	C35320.0
22.00	20	22	88	3	C35322.0
25.00	25	26	102	3	C35325.0
28.00	25	26	102	3	C35328.0
30.00	25	26	102	3	C35330.0

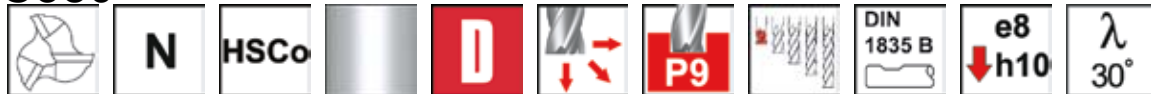
C380

DORMER

- Mini frézy
- Mini Maró
- Frezy mini
- Mini freze
- Минифрезы
- rezkar mini



C380

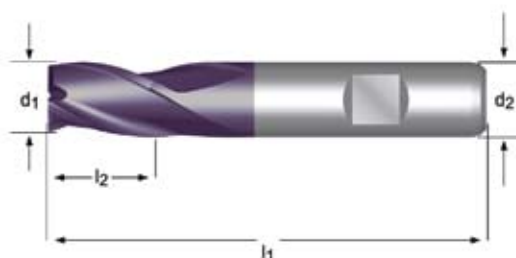


- **1.2**
- **1.1 1.3 1.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.2 7.3**

d_1 Ø Inch	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
	1.00	6	2.0	40	3	C3801.0
	1.50	6	2.5	40	3	C3801.5
1/16	1.59	6.35	2.5	24.5	3	C3801/16
	2.00	6	3.0	40	3	C3802.0
3/32	2.38	6.35	4	26	3	C3803/32
	2.50	6	4.0	40	3	C3802.5
	2.80	6	4.5	40	3	C3802.8
	3.00	6	4.5	40	3	C3803.0
1/8	3.18	6.35	4.5	28	3	C3801/8
	3.50	6	5.5	40	3	C3803.5
	3.80	6	6.0	40	3	C3803.8
5/32	3.97	6.35	6.5	32.5	3	C3805/32
	4.00	6	6.0	40	3	C3804.0
	4.50	6	7.0	40	3	C3804.5
3/16	4.76	6.35	7	34	3	C3803/16
	4.80	6	7.5	40	3	C3804.8

d_1 Ø Inch	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
	5.00	6	7.5	40	3	C3805.0
	5.50	6	8.0	40	3	C3805.5
7/32	5.56	6.35	8	36	3	C3807/32
	5.80	6	9.0	40	3	C3805.8
	6.00	6	9.0	40	3	C3806.0
1/4	6.35	6.35	9.5	36	3	C3801/4
	6.50	10	10.0	60	3	C3806.5
	7.00	10	10.0	60	3	C3807.0
	7.50	10	10.0	60	3	C3807.5
	8.00	10	12.0	60	3	C3808.0
	9.00	10	12.0	70	3	C3809.0
	10.00	10	14.0	70	3	C38010.0
	12.00	12	17.0	70	3	C38012.0

- | | | |
|--------------|-------------|---------------|
| • Mini frézy | • Mini Maró | • Frezy mini |
| • Mini freze | • Минифрезы | • rezkar mini |



C381



N

HSCo

TiCN

DIN
1835 B


e8
↓ h10

$$\lambda_{30^\circ}$$

■

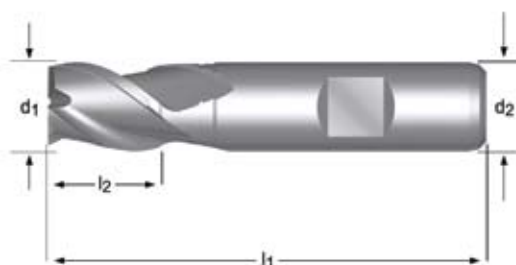
1.2 1.3 1.4

1.1 1.5 2.1 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 7.2 7.3 7.4

d_1 Ø Inch	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
3/32	1.00	6	2.0	40	3	C3811.0
	1.50	6	2.5	40	3	C3811.5
	2.00	6	3.0	40	3	C3812.0
	2.38	6.35	4	26	3	C3813/32
	2.50	6	4.0	40	3	C3812.5
	2.80	6	4.5	40	3	C3812.8
1/8	3.00	6	4.5	40	3	C3813.0
	3.18	6.35	4.5	28	3	C3811/8
	3.50	6	5.5	40	3	C3813.5
	3.80	6	6.0	40	3	C3813.8
	4.00	6	6.0	40	3	C3814.0
3/16	4.50	6	7.0	40	3	C3814.5
	4.76	6.35	7	34	3	C3813/16
	4.80	6	7.5	40	3	C3814.8

d ₁ Ø	d ₁ Ø	d ₂ Ø	l ₂	l ₁	z	e-Code
Inch	mm	mm	mm	mm		
1/4	5.00	6	7.5	40	3	C3815.0
	5.50	6	8.0	40	3	C3815.5
	5.80	6	9.0	40	3	C3815.8
	6.00	6	9.0	40	3	C3816.0
	6.35	6.35	9.5	36	3	C3811/4
	6.50	10	10.0	60	3	C3816.5
	7.00	10	10.0	60	3	C3817.0
	7.50	10	10.0	60	3	C3817.5
	8.00	10	12.0	60	3	C3818.0
	9.00	10	12.0	70	3	C3819.0
10.00	10	14.0	70	3	C38110.0	
12.00	12	17.0	70	3	C38112.0	

- Drážkovací frézy - Primax
- Hosszlyukmaró - Primax
- Frezy palcowe do rowków na wpusty - Primax
- Freze deget - Primax
- Шпоночные фрезы - Primax
- rezkar dvorezni - Primax



primax

C368

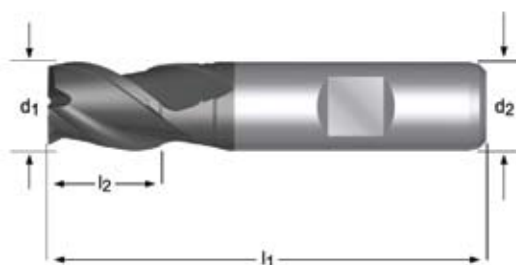


■	1.1	1.2	2.1	2.3	6.1	7.1			
●	1.3	1.4	2.2	4.1	5.1	6.2	6.3	7.2	8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	4	48	3	C3682.0
2.50	6	5	49	3	C3682.5
3.00	6	5	49	3	C3683.0
3.50	6	6	50	3	C3683.5
4.00	6	7	51	3	C3684.0
4.50	6	7	51	3	C3684.5
5.00	6	8	52	3	C3685.0
5.50	6	8	52	3	C3685.5
6.00	6	8	52	3	C3686.0
6.50	10	10	60	3	C3686.5
7.00	10	10	60	3	C3687.0
7.50	10	10	60	3	C3687.5
8.00	10	11	61	3	C3688.0
8.50	10	11	61	3	C3688.5

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
9.00	10	11	61	3	C3689.0
9.50	10	11	61	3	C3689.5
10.00	10	13	63	3	C36810.0
11.00	12	13	70	3	C36811.0
12.00	12	16	73	3	C36812.0
13.00	12	16	73	3	C36813.0
14.00	12	16	73	3	C36814.0
15.00	12	16	73	3	C36815.0
16.00	16	19	79	3	C36816.0
18.00	16	19	79	3	C36818.0
20.00	20	22	88	3	C36820.0

- Drážkovací frézy - Primax
- Hosszlyukmaró - Primax
- Frezy palcowe do rowków na wpusty - Primax
- Freze deget - Primax
- Шпоночные фрезы - Primax
- rezkar dvorezni - Primax


primax

C367


N
**HSCo
XP**
**Super
G**
**DIN
327 D**

P9

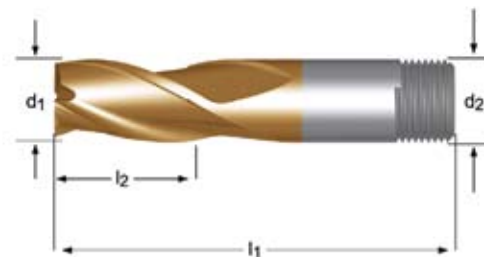
**DIN
1835 B**
e8
 λ
40°

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

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
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	C36710.0
11.00	12	13	70	3	C36711.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
12.00	12	16	73	3	C36712.0
13.00	12	16	73	3	C36713.0
14.00	12	16	73	3	C36714.0
15.00	12	16	73	3	C36715.0
16.00	16	19	79	3	C36716.0
18.00	16	19	79	3	C36718.0
20.00	20	22	88	3	C36720.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



C391



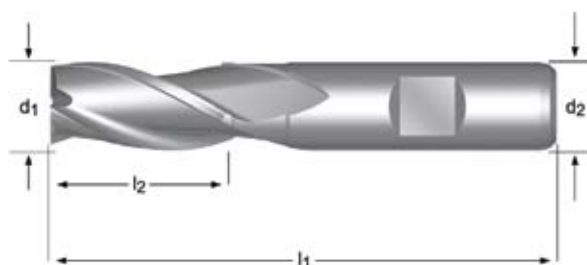
- 1.2 1.3 4.1 5.1 6.1 6.2 6.3
- 1.1 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.2 7.3 8.1

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
	6.00	6	16.0	60.5	3	C3916.0	5/8	15.88	15.88 - 5/8	27.0	77.0	3	C3915/8 ²⁾
1/4	6.35	6.35 - 1/4	16.0	60.5	3	C3911/4 ¹⁾		16.00	16	26.5	77.0	3	C39116.0
	8.00	10	18.0	63.5	3	C3918.0		18.00	16	33.0	80.0	3	C39118.0
3/8	9.53	9.53 - 3/8	21.0	66.5	3	C3913/8 ¹⁾	3/4	19.05	15.88 - 5/8	38.0	83.5	3	C3913/4 ²⁾
	10.00	10	21.0	66.5	3	C39110.0		20.00	16	38.0	83.5	3	C39120.0
	12.00	12	24.0	70.0	3	C39112.0	7/8	22.23	25.4 - 1.	35.0	98.5	3	C3917/8 ²⁾
1/2	12.70	12.7 - 1/2	24.0	70.0	3	C3911/2 ¹⁾		25.00	25	40.0	101.5	3	C39125.0
	14.00	12	28.5	73.0	3	C39114.0	1"	25.40	25.4 - 1.	40.0	101.5	3	C3911 ²⁾

¹⁾ tolerance průměru - .0005" -.0013" / az átmérő tűrése -.0005 inches -.0013 inches / Tolerancja srednicy -.0005 cala -.0013 cala / toleranta diametrului -.0005 inches -.0013 inches / допуск на диаметр -0.0005 дюйма -0.0013 дюйма / toleranca premera -.0005 col -.0013 col

²⁾ tolerance průměru - .0005" -.0015" / az átmérő tűrése -.0005 inches -.0015 inches / tolerancja srednicy -.0005 cala -.0015 cala / toleranta diametrului -.0005 inches -.0015 inches / допуск на диаметр -0.0005 дюйма -0.0015 дюйма / toleranca premera -.0005 col -.0015 col

- Drážkovací frézy - Primax
- Hosszlyukmaró - Primax
- Frezy palcowe do rowków na wpusty - Primax
- Freze deget - Primax
- Шпоночные фрезы - Primax
- rezkar dvorezni - Primax


primax

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	

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	51	3	C3052.0	10.00	10	22	72	3	C30510.0
2.50	6	8	52	3	C3052.5	11.00	12	22	79	3	C30511.0
3.00	6	8	52	3	C3053.0	12.00	12	26	83	3	C30512.0
3.50	6	10	54	3	C3053.5	13.00	12	26	83	3	C30513.0
4.00	6	11	55	3	C3054.0	14.00	12	26	83	3	C30514.0
4.50	6	11	55	3	C3054.5	15.00	12	26	83	3	C30515.0
5.00	6	13	57	3	C3055.0	16.00	16	32	92	3	C30516.0
5.50	6	13	57	3	C3055.5	17.00	16	32	92	3	C30517.0
6.00	6	13	57	3	C3056.0	18.00	16	32	92	3	C30518.0
6.50	10	16	66	3	C3056.5	19.00	16	32	92	3	C30519.0
7.00	10	16	66	3	C3057.0	20.00	20	38	104	3	C30520.0
7.50	10	16	66	3	C3057.5	22.00	20	38	104	3	C30522.0
8.00	10	19	69	3	C3058.0	25.00	25	45	121	3	C30525.0
8.50	10	19	69	3	C3058.5	28.00	25	45	121	3	C30528.0
9.00	10	19	69	3	C3059.0	30.00	25	45	121	3	C30530.0
9.50	10	19	69	3	C3059.5	32.00	32	53	133	3	C30532.0


primax

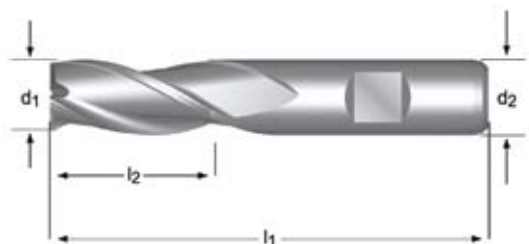
C352



■	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 Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	8	52	3	C3523.0	12.00	12	26	83	3	C35212.0
4.00	6	11	55	3	C3524.0	14.00	12	26	83	3	C35214.0
5.00	6	13	57	3	C3525.0	16.00	16	32	92	3	C35216.0
6.00	6	13	57	3	C3526.0	18.00	16	32	92	3	C35218.0
8.00	10	19	69	3	C3528.0	20.00	20	38	104	3	C35220.0
10.00	10	22	72	3	C35210.0						

- Mini frézy
- Mini Maró
- Frezy mini
- Mini freze
- Минифрезы
- rezkar mini



C382

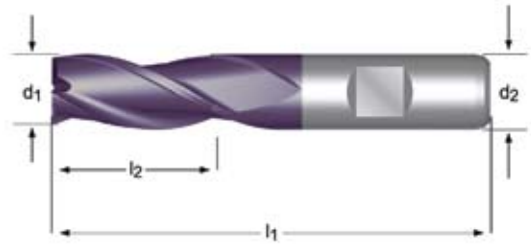


- 1.2
- 1.1 1.3 1.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.2 7.3

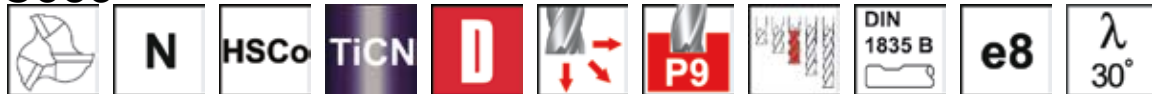
d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
	1.00	6	3.0	40	3	C3821.0
	1.50	6	4.0	40	3	C3821.5
1/16	1.59	6.35	4	28	3	C3821/16
5/64	1.98	6.35	5.5	30	3	C3825/64
	2.00	6	5.5	40	3	C3822.0
3/32	2.38	6.35	6.5	32	3	C3823/32
7/64	2.78	6.35	7	32.5	3	C3827/64
	3.00	6	7.5	47	3	C3823.0
1/8	3.18	6.35	8	34	3	C3821/8
9/64	3.57	6.35	8.5	36.5	3	C3829/64
5/32	3.97	6.35	9.5	39	3	C3825/32
	4.00	6	9.5	47	3	C3824.0
11/64	4.37	6.35	10.5	40.5	3	C38211/64
3/16	4.76	6.35	11	42	3	C3823/16

d ₁ Ø Inch	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
	5.00	6	12.0	47	3	C3825.0
13/64	5.16	6.35	12	43	3	C38213/64
7/32	5.56	6.35	12.5	44.5	3	C3827/32
15/64	5.95	6.35	14.5	46	3	C38215/64
	6.00	6	16.0	47	3	C3826.0
1/4	6.35	6.35	16	44.5	3	C3821/4
	7.00	10	16.0	60	3	C3827.0
	8.00	10	19.0	60	3	C3828.0
	9.00	10	20.0	70	3	C3829.0
	10.00	10	22.0	70	3	C38210.0
	12.00	12	26.0	70	3	C38212.0

- Mini frézy
- Mini Maró
- Frezy mini
- Mini freze
- Минифрезы
- rezkar mini



C383



- 1.2 1.3 1.4
- 1.1 1.5 2.1 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 7.2 7.3 7.4

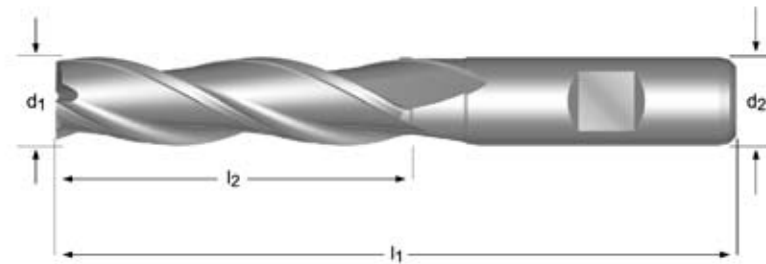
d_1 Ø	d_1 Ø	d_2 Ø	l_2	l_1	z	e-Code
Inch	mm	mm	mm	mm		
	1.00	6	3.0	40	3	C3831.0
	1.50	6	4.0	40	3	C3831.5
	2.00	6	5.5	40	3	C3832.0
3/32	2.38	6.35	6.5	32	3	C3833/32
	3.00	6	7.5	47	3	C3833.0
1/8	3.18	6.35	8	34	3	C3831/8
	4.00	6	9.5	47	3	C3834.0
3/16	4.76	6.35	11	42	3	C3833/16

d_1 Ø	d_1 Ø	d_2 Ø	l_2	l_1	z	e-Code
Inch	mm	mm	mm	mm		
	5.00	6	12.0	47	3	C3835.0
1/4	6.35	6.35	16	44.5	3	C3831/4
	6.00	6	16.0	47	3	C3836.0
	7.00	10	16.0	60	3	C3837.0
	8.00	10	19.0	60	3	C3838.0
	9.00	10	20.0	70	3	C3839.0
	10.00	10	22.0	70	3	C38310.0
	12.00	12	26.0	70	3	C38312.0

C346

DORMER

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



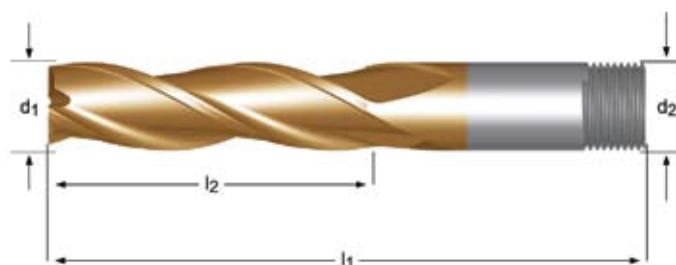
C346



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	12	56	3	C3463.0	11.00	12	45	102	3	C34611.0
4.00	6	19	63	3	C3464.0	12.00	12	53	110	3	C34612.0
5.00	6	24	68	3	C3465.0	13.00	12	53	110	3	C34613.0
6.00	6	24	68	3	C3466.0	14.00	12	53	110	3	C34614.0
7.00	10	30	80	3	C3467.0	15.00	12	53	110	3	C34615.0
8.00	10	38	88	3	C3468.0	16.00	16	63	123	3	C34616.0
9.00	10	38	88	3	C3469.0	18.00	16	63	123	3	C34618.0
10.00	10	45	95	3	C34610.0	20.00	20	75	141	3	C34620.0

- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



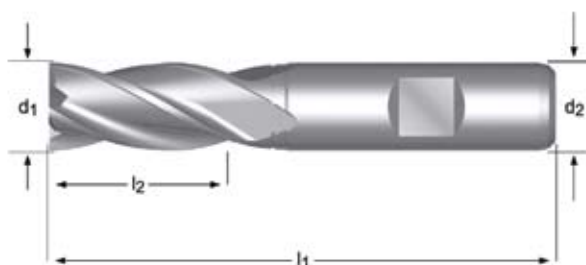
C392



- 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

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
6.00	6	31.5	76.0	3	C3926.0	14.00	12	57.0	101.5	3	C39214.0
8.00	10	34.0	79.5	3	C3928.0	16.00	16	58.5	108.5	3	C39216.0
10.00	10	37.0	82.5	3	C39210.0	18.00	16	67.5	115.0	3	C39218.0
12.00	12	49.5	95.0	3	C39212.0	20.00	16	76.0	121.5	3	C39220.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czolowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C247



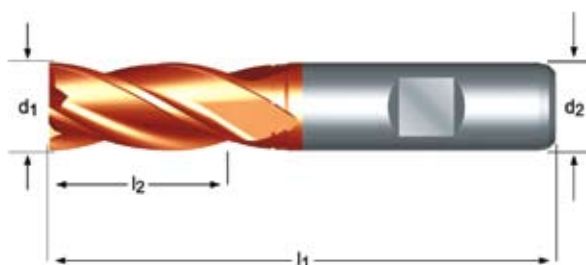
■	1.1	1.2	1.3	4.1	5.1	6.1	6.2	6.3						
●	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.1	7.2	7.3	8.1		

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	51	4	C2472.0
2.50	6	8	52	4	C2472.5
3.00	6	8	52	4	C2473.0
3.50	6	10	54	4	C2473.5
4.00	6	11	55	4	C2474.0
4.50	6	11	55	4	C2474.5
5.00	6	13	57	4	C2475.0
5.50	6	13	57	4	C2475.5
6.00	6	13	57	4	C2476.0
6.50	10	16	66	4	C2476.5
7.00	10	16	66	4	C2477.0
7.50	10	16	66	4	C2477.5
8.00	10	19	69	4	C2478.0
8.50	10	19	69	4	C2478.5
9.00	10	19	69	4	C2479.0
9.50	10	19	69	4	C2479.5
10.00	10	22	72	4	C24710.0
11.00	12	22	79	4	C24711.0
12.00	12	26	83	4	C24712.0
13.00	12	26	83	4	C24713.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
14.00	12	26	83	4	C24714.0
15.00	12	26	83	4	C24715.0
16.00	16	32	92	4	C24716.0
17.00	16	32	92	4	C24717.0
18.00	16	32	92	4	C24718.0
19.00	16	32	92	4	C24719.0
20.00	20	38	104	4	C24720.0
21.00	20	38	104	4	C24721.0
22.00	20	38	104	5	C24722.0
23.00	20	38	104	5	C24723.0
24.00	25	45	121	5	C24724.0
25.00	25	45	121	5	C24725.0
26.00	25	45	121	6	C24726.0
28.00	25	45	121	6	C24728.0
30.00	25	45	121	6	C24730.0
32.00	32	53	133	6	C24732.0
36.00	32	53	133	6	C24736.0 ¹⁾
40.00	40	63	155	6	C24740.0 ¹⁾

¹⁾ Bez středického břítu / Nincs központon átmenő él / Bez ostrza centralnego / Fara tais central / Концевая фреза с перекрытием / zob ne gre čez center

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



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			

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
2.00	6	7	51	4	C2462.0
3.00	6	8	52	4	C2463.0
4.00	6	11	55	4	C2464.0
5.00	6	13	57	4	C2465.0
6.00	6	13	57	4	C2466.0
7.00	10	16	66	4	C2467.0
8.00	10	19	69	4	C2468.0
9.00	10	19	69	4	C2469.0
10.00	10	22	72	4	C24610.0
11.00	12	22	79	4	C24611.0
12.00	12	26	83	4	C24612.0
13.00	12	26	83	4	C24613.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
14.00	12	26	83	4	C24614.0
15.00	12	26	83	4	C24615.0
16.00	16	32	92	4	C24616.0
18.00	16	32	92	4	C24618.0
20.00	20	38	104	4	C24620.0
22.00	20	38	104	5	C24622.0
25.00	25	45	121	5	C24625.0
28.00	25	45	121	6	C24628.0
30.00	25	45	121	6	C24630.0
32.00	32	53	133	6	C24632.0

C927

DORMER

- Stopkové frézy - Primax
- Ujjmaró - Primax
- Frezy walcowo-czółowe - Primax
- Freze cilindrice - Primax
- Концевые фрезы - Primax
- rezkar - Primax



primax

C927



■	1.1	1.2	1.3	2.1	2.2	2.3	4.1	5.1	6.1	7.2
●	1.4	4.2	5.2	6.2	6.3	7.1	7.3	8.1		

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
4.00	6	11	55	4	C9274.0
5.00	6	13	57	4	C9275.0
6.00	6	13	57	4	C9276.0
8.00	10	19	69	4	C9278.0
10.00	10	22	72	4	C92710.0
12.00	12	26	83	4	C92712.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
14.00	12	26	83	4	C92714.0
16.00	16	32	92	4	C92716.0
18.00	16	32	92	4	C92718.0
20.00	20	38	104	4	C92720.0
25.00	25	45	121	4	C92725.0

• Stopkové frézy - Primax

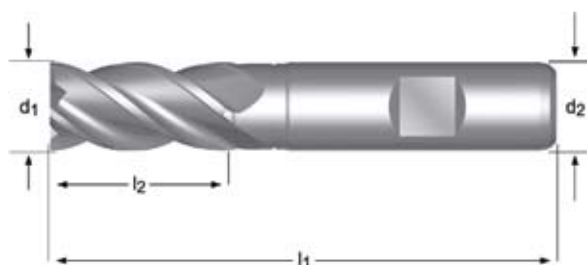
• Ujjmaró - Primax

• Frezy walcowo-czółowe - Primax

• Freze cilindrice - Primax

• Концевые фрезы - Primax

• rezkar - Primax



primax

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													

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	8	52	3	C2993.0
4.00	6	11	55	3	C2994.0
5.00	6	13	57	3	C2995.0
6.00	6	13	57	3	C2996.0
8.00	10	19	69	4	C2998.0
10.00	10	22	72	4	C29910.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	26	83	4	C29912.0
14.00	12	26	83	4	C29914.0
16.00	16	32	92	4	C29916.0
18.00	16	32	92	4	C29918.0
20.00	20	38	104	4	C29920.0
25.00	25	45	121	5	C29925.0



primax

C907

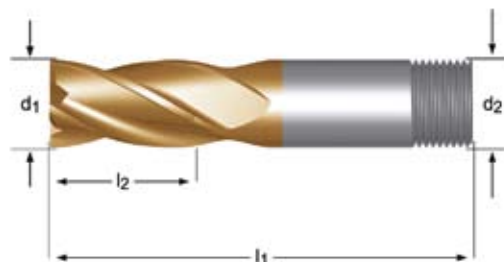


■	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.2	7.4
•	4.1																	

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	6	8	52	3	C9073.0
4.00	6	11	55	3	C9074.0
5.00	6	13	57	3	C9075.0
6.00	6	13	57	3	C9076.0
8.00	10	19	69	4	C9078.0
10.00	10	22	72	4	C90710.0
12.00	12	26	83	4	C90712.0
14.00	12	26	83	4	C90714.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C90716.0
18.00	16	32	92	4	C90718.0
20.00	20	38	104	4	C90720.0
22.00	20	38	104	5	C90722.0
25.00	25	45	121	5	C90725.0
28.00	25	45	121	6	C90728.0
30.00	25	45	121	6	C90730.0
32.00	32	53	133	6	C90732.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C291



■	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	7.2	7.3	8.1	

d ₁ Ø Inch	d ₁ Ø mm	l ₂ mm	d ₂ Ø mm	l ₁ mm	z	e-Code
1/16	1.59	2.5	6.35 - 1/4	48.5	2	C2911/16 ⁴⁾
	2.00	3.0	6.0	49.0	2	C2912.0 ⁴⁾
3/32	2.38	6.5	6.35 - 1/4	51.0	4	C2913/32 ⁴⁾
	2.50	6.5	6.0	51.0	4	C2912.5 ⁴⁾
	3.00	9.5	6.0	54.0	4	C2913.0 ⁴⁾
1/8	3.18	9.5	6.35 - 1/4	54.0	4	C2911/8 ⁴⁾
	3.50	12.5	6.0	57.0	4	C2913.5 ⁴⁾
5/32	3.97	12.5	6.35 - 1/4	57.0	4	C2915/32 ⁴⁾
	4.00	12.5	6.0	57.0	4	C2914.0 ⁴⁾
	4.50	12.5	6.0	57.0	4	C2914.5 ⁴⁾
3/16	4.76	12.5	6.35 - 1/4	57.0	4	C2913/16 ⁴⁾
	5.00	16.0	6.0	60.5	4	C2915.0 ⁴⁾
	5.50	16.0	6.0	60.5	4	C2915.5 ⁴⁾
	6.00	16.0	6.0	60.5	4	C2916.0 ⁴⁾
1/4	6.35	16.0	6.35 - 1/4	60.5	4	C2911/4 ⁴⁾
	6.50	16.0	10.0	60.5	4	C2916.5 ⁴⁾
	7.00	15.0	10.0	60.5	4	C2917.0 ⁴⁾
	7.50	18.0	10.0	63.5	4	C2917.5 ⁴⁾
5/16	7.94	18.0	9.53 - 3/8	63.5	4	C2915/16 ⁴⁾
	8.00	18.0	10.0	63.5	4	C2918.0 ⁴⁾
	8.50	21.0	10.0	66.5	4	C2918.5 ⁴⁾
	9.00	21.0	10.0	66.5	4	C2919.0 ⁴⁾
	9.50	21.0	10.0	66.5	4	C2919.5 ⁴⁾
3/8	9.53	21.0	9.53 - 3/8	66.5	4	C2913/8 ⁴⁾
	10.00	21.0	10.0	66.5	4	C29110.0 ⁴⁾
13/32	10.32	22.5	9.53 - 3/8	66.5	4	C29113/32 ⁴⁾
	10.50	19.0	10.0	66.5	4	C29110.5 ⁴⁾
	11.00	19.0	12.0	66.5	4	C29111.0 ⁴⁾
7/16	11.11	19.0	12.7 - 1/2	66.5	4	C2917/16 ⁴⁾
	12.00	24.0	12.0	70.0	4	C29112.0 ⁴⁾
1/2	12.70	24.0	12.7 - 1/2	70.0	4	C2911/2 ⁴⁾
	13.00	24.5	12.0	70.0	4	C29113.0 ⁴⁾
	14.00	28.5	12.0	73.0	4	C29114.0 ⁴⁾
9/16	14.29	28.5	12.7 - 1/2	73.0	4	C2919/16 ⁴⁾
	15.00	26.5	16.0	77.0	4	C29115.0 ⁴⁾
5/8	15.88	26.5	15.88 - 5/8	77.0	4	C2915/8 ⁴⁾
	16.00	26.5	16.0	77.0	4	C29116.0 ⁴⁾
	17.00	32.0	16.0	80.0	4	C29117.0 ⁴⁾
	18.00	35.0	16.0	80.0	4	C29118.0 ⁴⁾
	19.00	38.0	16.0	83.5	4	C29119.0 ⁴⁾
3/4	19.05	38.0	15.88 - 5/8	83.5	4	C2913/4 ⁴⁾
	20.00	38.0	16.0	83.5	4	C29120.0 ⁴⁾

⁴⁾ tolerance průměru +.0025" -.0005" / az átmérő tűrése +.0025 inches -.0005 inches / Toleranța srednicy +.0025 cala/-.0005 cala / toleranța diametrului +.0025 inches -.0005 inches / допуск на диаметр +0.0025 дюйма -0.0005 дюйма / toleranța premera +.0025 col -.0005 col

d ₁ Ø Inch	d ₁ Ø mm	l ₂ mm	d ₂ Ø mm	l ₁ mm	z	e-Code	
	21.00	38.0	25.0	95.0	6	C29121.0	4)
	22.00	41.5	25.0	98.5	6	C29122.0	4)
7/8	22.23	41.5	25.4 - 1	98.5	6	C2917/8	4)
	23.00	41.5	25.0	98.5	6	C29123.0	4)
	24.00	41.5	25.0	98.5	6	C29124.0	4)
	25.00	44.5	25.0	101.5	6	C29125.0	4)
1"	25.40	43.0	25.4 - 1	101.5	6	C29111	4)
	26.00	43.0	25.0	101.5	6	C29126.0	4)
	28.00	46.0	25.0	104.5	6	C29128.0	4)
1.1/8	28.58	46.0	25.4 - 1	104.5	6	C2911.1/8	4)
	30.00	46.0	25.0	104.5	6	C29130.0	4)
1.1/4	31.75	49.0	25.4 - 1	108.0	6	C2911.1/4X1	4)
	32.00	49.0	25.0	108.0	6	C29132.0X25.0	4)
	34.00	49.0	25.0	108.0	6	C29134.0X25.0	4)
1.3/8	34.93	52.5	25.4 - 1	111.0	6	C2911.3/8X1	4)
	35.00	52.5	25.0	111.0	6	C29135.0X25.0	4)
	36.00	52.5	25.0	111.0	6	C29136.0X25.0	4)
	38.00	55.5	25.0	114.5	6	C29138.0X25.0	4)
1.1/2	38.10	55.5	25.4 - 1	114.5	6	C2911.1/2X1	4)
	40.00	58.5	25.0	117.5	8	C29140.0X25.0	5)
1.5/8	41.28	60.5	25.4 - 1	117.5	8	C2911.5/8X1	5)
	42.00	60.5	25.0	117.5	8	C29142.0X25.0	5)
1.3/4	44.45	63.5	25.4 - 1	120.5	8	C2911.3/4X1	5)
	45.00	63.5	25.0	120.5	8	C29145.0X25.0	5)
	50.00	65.0	32.0	127.0	8	C29150.0X32.0	5)
2"	50.80	70.0	25.4 - 1	127.0	8	C2912X1	5)
2"	50.80	65.0	31.75 - 1.1/4	127.0	8	C2912X1.1/4	5)

4) tolerance průměru + .0025" - .0005" / az átmérő tűrése +.0025 inches - .0005 inches / Tolerancja srednicy +.0025 cala - .0005 cala / toleranta diametrului +.0025 inches - .0005 inches / допуск на диаметр +0.0025 дюйма - 0.0005 дюйма / toleranca premera +.0025 col - .0005 col

5) tolerance průměru + .0005" 0 / az átmérő tűrése +0.005 inches 0 / Tolerancja srednicy +0.005 cala 0 / toleranta diametrului +0.005 inches 0 / допуск на диаметр +0.005 дюйма 0 / toleranca premera +0.005 col 0

C270

DORMER

- Stopkové frézy
- Ujjmaró kúpos szárral
- Frezy walcowo-czolowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C270

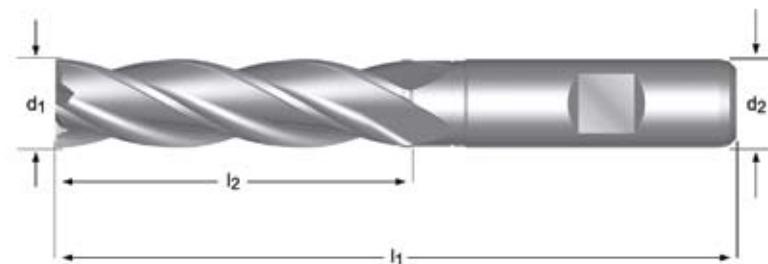


- 1.1 1.2 1.3 4.1 5.1 6.1 6.2 6.3
- 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø	l ₂	l ₁	MK	z	e-Code
mm	mm	mm			
10.00	22	92	1	4	C27010.0
12.00	26	96	1	4	C27012.0
14.00	26	111	2	4	C27014.0
16.00	32	117	2	4	C27016.0
18.00	32	117	2	4	C27018.0
20.00	38	123	2	4	C27020.0
22.00	38	123	2	5	C27022.0
24.00	45	147	3	5	C27024.0
25.00	45	147	3	5	C27025.0
26.00	45	147	3	6	C27026.0

d ₁ Ø	l ₂	l ₁	MK	z	e-Code
mm	mm	mm			
28.00	45	147	3	6	C27028.0
30.00	45	147	3	6	C27030.0
32.00	53	178	4	6	C27032.0
34.00	53	178	4	6	C27034.0
36.00	53	178	4	6	C27036.0
38.00	63	188	4	6	C27038.0
40.00	63	188	4	6	C27040.0
45.00	63	188	4	8	C27045.0
50.00	75	233	5	8	C27050.0X200.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C273



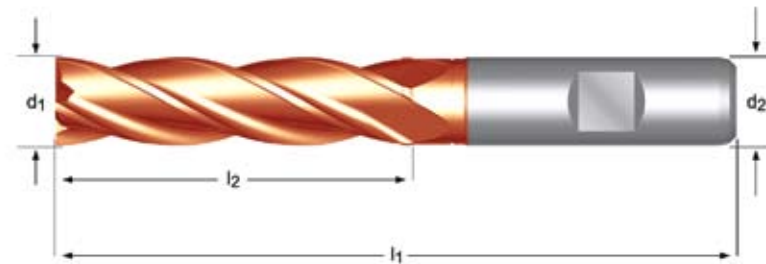
- 1.1 1.2 1.3 4.1 5.1 6.1 6.2 6.3
- 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code	d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
2.00	6	10	54	4	C2732.0	12.00	12	53	110	4	C27312.0
2.50	6	12	56	4	C2732.5	13.00	12	53	110	4	C27313.0
3.00	6	12	56	4	C2733.0	14.00	12	53	110	4	C27314.0
3.50	6	15	59	4	C2733.5	15.00	12	53	110	4	C27315.0
4.00	6	19	63	4	C2734.0	16.00	16	63	123	4	C27316.0
4.50	6	19	63	4	C2734.5	18.00	16	63	123	4	C27318.0
5.00	6	24	68	4	C2735.0	20.00	20	75	141	4	C27320.0
5.50	6	24	68	4	C2735.5	22.00	20	75	141	5	C27322.0
6.00	6	24	68	4	C2736.0	25.00	25	90	166	5	C27325.0
7.00	10	30	80	4	C2737.0	28.00	25	90	166	6	C27328.0
8.00	10	38	88	4	C2738.0	30.00	25	90	166	6	C27330.0
9.00	10	38	88	4	C2739.0	32.00	32	106	186	6	C27332.0
10.00	10	45	95	4	C27310.0	36.00	32	106	186	6	C27336.0
11.00	12	45	102	4	C27311.0	40.00	40	125	217	6	C27340.0

C295

DORMER

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



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 mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	10	54	4	C2952.0
3.00	6	12	56	4	C2953.0
4.00	6	19	63	4	C2954.0
5.00	6	24	68	4	C2955.0
6.00	6	24	68	4	C2956.0
7.00	10	30	80	4	C2957.0
8.00	10	38	88	4	C2958.0
9.00	10	38	88	4	C2959.0
10.00	10	45	95	4	C29510.0
11.00	12	45	102	4	C29511.0
12.00	12	53	110	4	C29512.0
13.00	12	53	110	4	C29513.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
14.00	12	53	110	4	C29514.0
15.00	12	53	110	4	C29515.0
16.00	16	63	123	4	C29516.0
18.00	16	63	123	4	C29518.0
20.00	20	75	141	4	C29520.0
22.00	20	75	141	5	C29522.0
25.00	25	90	166	5	C29525.0
28.00	25	90	166	6	C29528.0
30.00	25	90	166	6	C29530.0
32.00	32	106	186	6	C29532.0
40.00	40	125	217	6	C29540.0

- Stopkové frézy - Primax
- Ujjmaró - Primax
- Frezy walcowo-czółowe - Primax
- Freze cilindrice - Primax
- Концевые фрезы - Primax
- rezkar - Primax



C940



■	1.1	1.2	1.3	2.1	2.2	2.3	4.1	5.1	6.1	7.2
●	1.4	4.2	5.2	6.2	6.3	7.1	7.3	8.1		

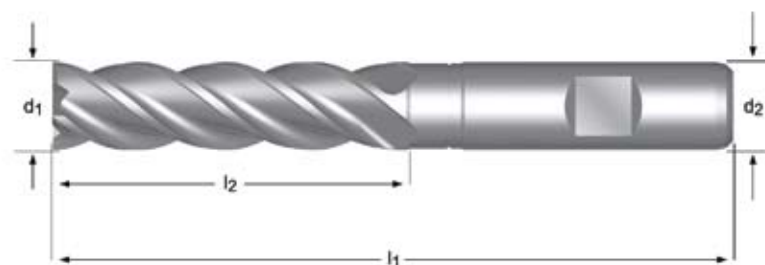
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	4	C9406.0
8.00	10	38	88	4	C9408.0
10.00	10	45	95	4	C94010.0
12.00	12	53	110	4	C94012.0
14.00	12	53	110	4	C94014.0
16.00	16	63	123	4	C94016.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C94018.0
20.00	20	75	141	4	C94020.0
25.00	25	90	166	4	C94025.0

C903 / C920

DORMER

- Stopkové frézy - Primax
- Ujjmaró - Primax
- Frezy walcowo-czółowe - Primax
- Freze cilindrice - Primax
- Концевые фрезы - Primax
- rezkar - Primax



primax

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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	3	C9036.0
8.00	10	38	88	4	C9038.0
10.00	10	45	95	4	C90310.0
12.00	12	53	110	4	C90312.0
14.00	12	53	110	4	C90314.0
16.00	16	63	123	4	C90316.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C90318.0
20.00	20	75	141	4	C90320.0
22.00	20	75	141	5	C90322.0
25.00	25	90	166	5	C90325.0



primax

C920

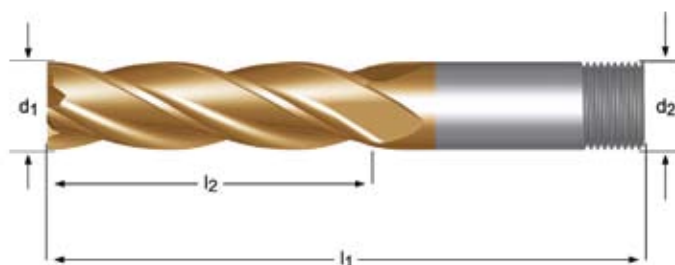


- 1.3 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.1 5.2 5.3 6.2 7.4
- 4.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	3	C9206.0
8.00	10	38	88	4	C9208.0
10.00	10	45	95	4	C92010.0
12.00	12	53	110	4	C92012.0
14.00	12	53	110	4	C92014.0
16.00	16	63	123	4	C92016.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C92018.0
20.00	20	75	141	4	C92020.0
22.00	20	75	141	5	C92022.0
25.00	25	90	166	5	C92025.0

- Stopkové frézy
- Ujjmaró
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C292

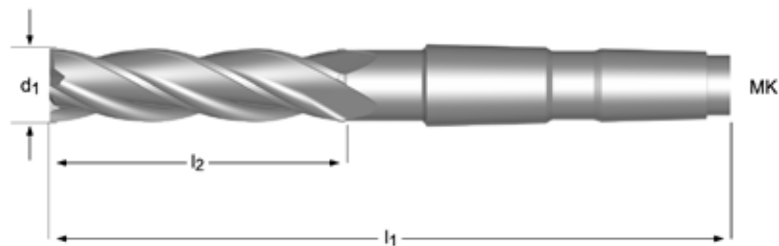


■	1.1	1.2	1.3	4.1	5.1	6.1	6.2	6.3				
●	1.4	2.1	3.1	3.2	3.3	3.4	4.2	5.2	7.2	7.3	8.1	

d ₁ Ø Inch	d ₁ Ø mm	l ₂ mm	d ₂ Ø mm	l ₁ mm	z	e-Code	
1/16	1.59	4.5	6.35 - 1/4	51.0	2	C2921/16	⁴⁾
	3.00	19.0	6.0	63.5	4	C2923.0	⁴⁾
1/8	3.18	19.0	6.35 - 1/4	63.5	4	C2921/8	⁴⁾
	3.50	25.5	6.0	70.0	4	C2923.5	⁴⁾
	4.00	25.5	6.0	70.0	4	C2924.0	⁴⁾
	4.50	25.5	6.0	70.0	4	C2924.5	⁴⁾
3/16	4.76	25.5	6.35 - 1/4	70.0	4	C2923/16	⁴⁾
	5.00	31.5	6.0	76.0	4	C2925.0	⁴⁾
	6.00	31.5	6.0	76.0	4	C2926.0	⁴⁾
1/4	6.35	31.5	6.35 - 1/4	76.0	4	C2921/4	⁴⁾
	7.00	34.0	10.0	79.5	4	C2927.0	⁴⁾
9/32	7.14	34.0	9.53 - 3/8	79.5	4	C2929/32	⁴⁾
5/16	7.94	34.0	9.53 - 3/8	79.5	4	C2925/16	⁴⁾
	8.00	34.0	10.0	79.5	4	C2928.0	⁴⁾
	9.00	37.0	10.0	82.5	4	C2929.0	⁴⁾
3/8	9.53	37.0	9.53 - 3/8	82.5	4	C2923/8	⁴⁾
	10.00	37.0	10.0	82.5	4	C29210.0	⁴⁾
	11.00	41.5	12.0	89.0	4	C29211.0	⁴⁾
7/16	11.11	41.5	12.7 - 1/2	89.0	4	C2927/16	⁴⁾
	12.00	49.5	12.0	95.0	4	C29212.0	⁴⁾
1/2	12.70	49.5	12.7 - 1/2	95.0	4	C2921/2	⁴⁾
	13.00	50.0	12.0	95.0	4	C29213.0	⁴⁾
	14.00	57.0	12.0	101.5	4	C29214.0	⁴⁾
9/16	14.29	57.0	12.7 - 1/2	101.5	4	C2929/16	⁴⁾
	15.00	58.5	16.0	108.5	4	C29215.0	⁴⁾
5/8	15.88	58.5	15.88 - 5/8	108.5	4	C2925/8	⁴⁾
	16.00	58.5	16.0	108.5	4	C29216.0	⁴⁾
	17.00	67.0	16.0	115.0	4	C29217.0	⁴⁾
	18.00	70.0	16.0	115.0	4	C29218.0	⁴⁾
	19.00	76.0	16.0	121.5	4	C29219.0	⁴⁾
3/4	19.05	76.0	15.88 - 5/8	121.5	4	C2923/4	⁴⁾
	20.00	76.0	16.0	121.5	4	C29220.0	⁴⁾
	22.00	85.5	25.0	143.0	6	C29222.0	⁴⁾
7/8	22.23	85.5	25.4 - 1	143.0	6	C2927/8	⁴⁾
	24.00	92.0	25.0	149.0	6	C29224.0	⁴⁾
	25.00	100.0	25.0	157.0	6	C29225.0	⁴⁾
1"	25.40	100.0	25.4 - 1	157.0	6	C2921	⁴⁾
1.1/8	28.58	98.5	25.4 - 1	157.0	6	C2921.1/8	⁴⁾
	30.00	98.5	25.0	157.0	6	C29230.0	⁴⁾
1.1/4	31.75	100.0	25.4 - 1	159.0	6	C2921.1/4X1	⁴⁾
	32.00	100.0	25.0	159.0	6	C29232.0X25.0	⁴⁾
1.1/2	38.10	100.0	25.4 - 1	159.0	6	C2921.1/2X1	⁴⁾

⁴⁾ tolerance průměru +.0025" -.0005" / az átmérő tűrése +.0025 inches -.0005 inches / Toleranța srednicy +.0025 cala -.0005 cala / toleranța diametrului +.0025 inches -.0005 inches / допуск на диаметр +0.0025 дюйма -0.0005 дюйма / toleranța premera +.0025 col -.0005 col

- Stopkové frézy
- Ujjmaró kúpos szárral
- Frezy walcowo-czółowe
- Freze cilindrice
- Концевые фрезы
- rezkar



C272



- 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

d ₁ Ø mm	l ₂ mm	l ₁ mm	MK	z	e-Code
16.00	63	148	2	4	C27216.0
18.00	63	148	2	4	C27218.0
20.00	75	160	2	4	C27220.0
22.00	75	160	2	5	C27222.0
25.00	90	192	3	5	C27225.0
28.00	90	192	3	6	C27228.0

d ₁ Ø mm	l ₂ mm	l ₁ mm	MK	z	e-Code
30.00	90	192	3	6	C27230.0
32.00	106	231	4	6	C27232.0
36.00	106	231	4	6	C27236.0
40.00	125	250	4	6	C27240.0

• Drážkovací frézy

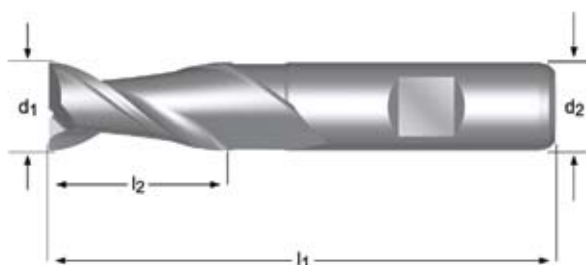
• Hosszlyukmaró

• Frezy palcowe do rowków na wpusty

• Freze deget

• Шпоночные фрезы

• rezkar dvorezni



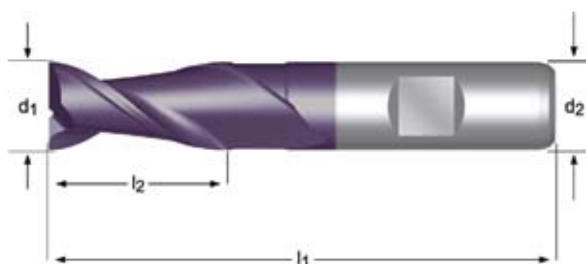
C159



■	1.1	6.1	7.1	7.2	7.3		
●	1.2	1.3	2.1	2.2	4.1	5.1	8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	51	2	C1592.0
3.00	6	8	52	2	C1593.0
4.00	6	11	55	2	C1594.0
5.00	6	13	57	2	C1595.0
6.00	6	13	57	2	C1596.0
7.00	10	16	66	2	C1597.0
8.00	10	19	69	2	C1598.0
9.00	10	19	69	2	C1599.0
10.00	10	22	72	2	C15910.0
11.00	12	22	79	2	C15911.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	12	26	83	2	C15912.0
13.00	12	26	83	2	C15913.0
14.00	12	26	83	2	C15914.0
15.00	12	26	83	2	C15915.0
16.00	16	32	92	2	C15916.0
18.00	16	32	92	2	C15918.0
20.00	20	38	104	2	C15920.0



C169



■	1.1	1.2	6.1	7.1	7.2	7.3	7.4			
●	1.3	2.1	2.2	2.3	4.1	4.2	5.1	5.2	6.2	8.1

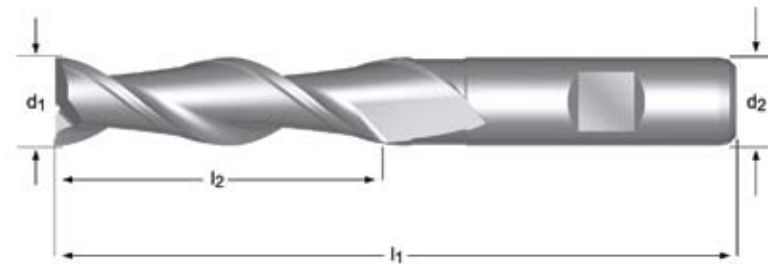
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	6	7	51	2	C1692.0
3.00	6	8	52	2	C1693.0
4.00	6	11	55	2	C1694.0
5.00	6	13	57	2	C1695.0
6.00	6	13	57	2	C1696.0
7.00	10	16	66	2	C1697.0
8.00	10	19	69	2	C1698.0
9.00	10	19	69	2	C1699.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	2	C16910.0
12.00	12	26	83	2	C16912.0
14.00	12	26	83	2	C16914.0
16.00	16	32	92	2	C16916.0
18.00	16	32	92	2	C16918.0
20.00	20	38	104	2	C16920.0

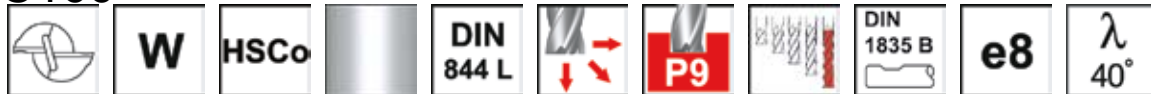
C166



- Drážkovací frézy
- Hosszlyukmaró
- Frezy palcowe do rowków na wpusty
- Freze deget
- Шпоночные фрезы
- rezkar dvorezni



C166



■	1.1	6.1	7.1	7.2	7.3			
●	1.2	1.3	2.1	2.2	4.1	5.1	8.1	

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	45	95	2	C16610.0
12.00	12	53	110	2	C16612.0
14.00	12	53	110	2	C16614.0
16.00	16	63	123	2	C16616.0



• Stopkové frézy - Primax

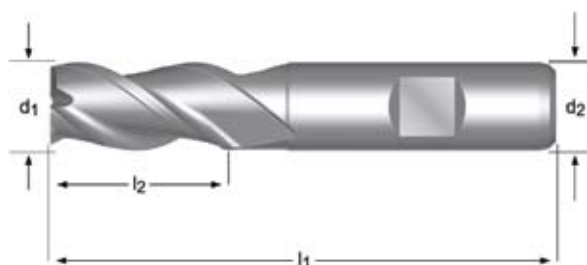
• Ujjmaró - Primax

• Frezy walcowo-czółowe - Primax

• Freze cilindrice - Primax

• Концевые фрезы - Primax

• rezkar - Primax



primax

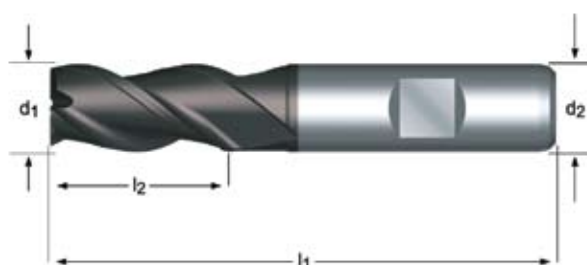
C336



■	6.1	7.2							
●	1.1	1.2	1.3	2.1	2.2	4.1	5.1	7.1	7.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	3	C33610.0
12.00	12	26	83	3	C33612.0
14.00	12	26	83	3	C33614.0
15.00	12	26	83	3	C33615.0
16.00	16	32	92	3	C33616.0
18.00	16	32	92	3	C33618.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
20.00	20	38	104	3	C33620.0
22.00	20	38	104	3	C33622.0
25.00	25	45	121	3	C33625.0
30.00	25	45	121	3	C33630.0



primax

C358



■	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	

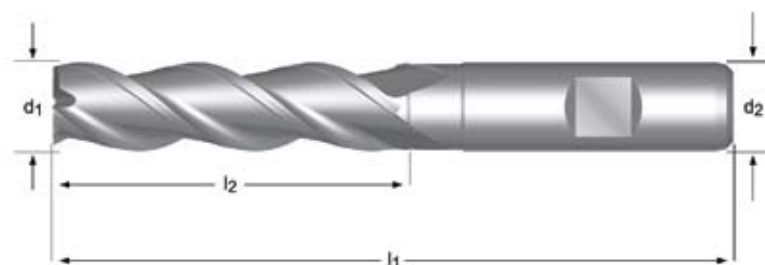
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	3	C35810.0
12.00	12	26	83	3	C35812.0
14.00	12	26	83	3	C35814.0
16.00	16	32	92	3	C35816.0
18.00	16	32	92	3	C35818.0
20.00	20	38	104	3	C35820.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
22.00	20	38	104	3	C35822.0
25.00	25	45	121	3	C35825.0
30.00	25	45	121	3	C35830.0

C333 / C359

DORMER

- Stopkové frézy - Primax
- Ujjmaró - Primax
- Frezy walcowo-czółowe - Primax
- Freze cilindrice - Primax
- Концевые фрезы - Primax
- rezkar - Primax



primax

C333



- 6.1 7.2
- 1.1 1.2 1.3 2.1 2.2 4.1 5.1 7.1 7.3

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	45	95	3	C33310.0	18.00	16	63	123	3	C33318.0
12.00	12	53	110	3	C33312.0	20.00	20	75	141	3	C33320.0
14.00	12	53	110	3	C33314.0	25.00	25	90	166	3	C33325.0
16.00	16	63	123	3	C33316.0	30.00	25	90	166	3	C33330.0



primax

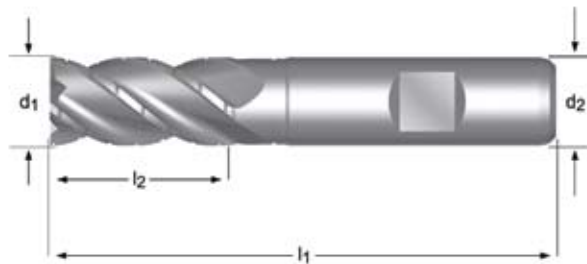
C359



- 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 mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	45	95	3	C35910.0	18.00	16	63	123	3	C35918.0
12.00	12	53	110	3	C35912.0	20.00	20	75	141	3	C35920.0
14.00	12	53	110	3	C35914.0	25.00	25	90	166	3	C35925.0
16.00	16	63	123	3	C35916.0	30.00	25	90	166	3	C35930.0

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax



C365


W
**HSCo
XP**

**DIN
844 K**

**DIN
1835 B**
k10
 λ
40°

6.1 6.2 7.1 7.2

1.1 1.2 1.3 2.1 4.1 5.1 6.3 7.3 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	22	72	3	C36510.0
12.00	12	26	83	3	C36512.0
14.00	12	26	83	3	C36514.0
16.00	16	32	92	3	C36516.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	32	92	4	C36518.0
20.00	20	38	104	4	C36520.0
25.00	25	45	121	4	C36525.0
30.00	25	45	121	4	C36530.0

C324

DORMER

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax

NEW

2008.09

primax



C324

Hrubovací profil vylepšený na asymetrický HRA / Tökéletesített nagyoló profil: "aszimmetrikus" HRA forgácstörő / Profil zgrubny zmodyfikowany o asymetryczny łamacz HRA / Profil de degroare stil asimetric HRA / Тип стружколомающей геометрии был улучшен до несимметричной HRA / Grobi profil HRA

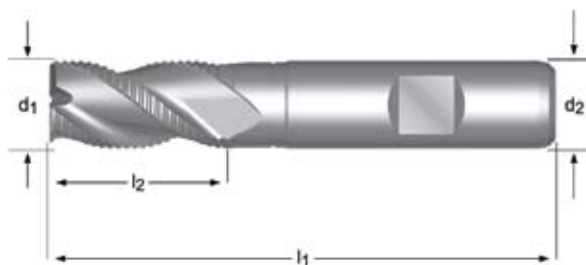


- 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3 6.2 7.4
- 1.3 4.1 5.1 6.4

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
8.00	10	11	61	3	C3248.0
10.00	10	13	63	3	C32410.0
12.00	12	16	73	3	C32412.0
14.00	12	16	73	3	C32414.0
16.00	16	19	79	3	C32416.0
18.00	16	19	79	3	C32418.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
20.00	20	22	88	3	C32420.0
22.00	20	22	88	3	C32422.0
25.00	25	26	102	3	C32425.0
28.00	25	26	102	3	C32428.0
30.00	25	26	102	3	C32430.0

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degroasare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax


NEW

2008.09

primax

C905

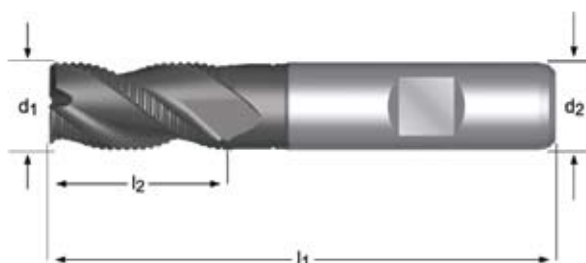
Hrubovací profil vylepšený na asymetrický HRA / Tökéletesített nagyoló profil: "aszimmetrikus" HRA forgácstörő / Profil zgrubny zmodyfikowany o asymetryczny łamacz HRA / Profil de degroare stil asimetric HRA / Тип стружколомающей геометрии был улучшен до несимметричной HRA / Grobi profil HRA



■	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
●	1.3	1.6	2.2	4.1	5.1	6.4								

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	3	C9056.0
7.00	10	16	66	3	C9057.0
8.00	10	19	69	3	C9058.0
9.00	10	19	69	3	C9059.0
10.00	10	22	72	3	C90510.0
11.00	12	22	79	3	C90511.0
12.00	12	26	83	3	C90512.0
13.00	12	26	83	3	C90513.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
14.00	12	26	83	3	C90514.0
15.00	12	26	83	3	C90515.0
16.00	16	32	92	3	C90516.0
18.00	16	32	92	3	C90518.0
20.00	20	38	104	3	C90520.0


NEW

2008.09

primax

C922

Hrubovací profil vylepšený na asymetrický HRA / Tökéletesített nagyoló profil: "aszimmetrikus" HRA forgácstörő / Profil zgrubny zmodyfikowany o asymetryczny łamacz HRA / Profil de degroare stil asimetric HRA / Тип стружколомающей геометрии был улучшен до несимметричной HRA / Grobi profil HRA



■	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												

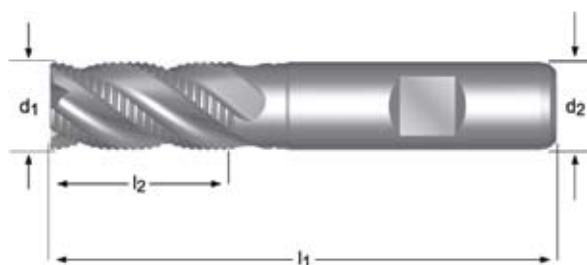
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	3	C9226.0
7.00	10	16	66	3	C9227.0
8.00	10	19	69	3	C9228.0
9.00	10	19	69	3	C9229.0
10.00	10	22	72	3	C92210.0
11.00	12	22	79	3	C92211.0
12.00	12	26	83	3	C92212.0
13.00	12	26	83	3	C92213.0
14.00	12	26	83	3	C92214.0
15.00	12	26	83	3	C92215.0
16.00	16	32	92	3	C92216.0
18.00	16	32	92	3	C92218.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
20.00	20	38	104	3	C92220.0
22.00	20	38	104	3	C92222.0
24.00	25	45	121	4	C92224.0
25.00	25	45	121	4	C92225.0
26.00	25	45	121	4	C92226.0
28.00	25	45	121	4	C92228.0
30.00	25	45	121	4	C92230.0
32.00	32	53	133	4	C92232.0
36.00	32	53	133	4	C92236.0
40.00	40	63	155	4	C92240.0

C426 / C428

DORMER

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax



primax

C426



■	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
•	1.3	1.6	2.2	4.1	5.1	6.4								

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C4266.0
7.00	10	16	66	4	C4267.0
8.00	10	19	69	4	C4268.0
9.00	10	19	69	4	C4269.0
10.00	10	22	72	4	C42610.0
11.00	12	22	79	4	C42611.0
12.00	12	26	83	4	C42612.0
13.00	12	26	83	4	C42613.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
14.00	12	26	83	4	C42614.0
15.00	12	26	83	4	C42615.0
16.00	16	32	92	4	C42616.0
18.00	16	32	92	4	C42618.0
20.00	20	38	104	4	C42620.0



primax

C428

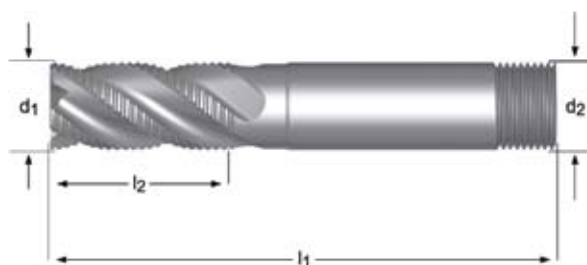


■	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
•	1.3	4.1	5.1	6.4												

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
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	C42810.0
11.00	12	22	79	4	C42811.0
12.00	12	26	83	4	C42812.0
13.00	12	26	83	4	C42813.0
14.00	12	26	83	4	C42814.0
15.00	12	26	83	4	C42815.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C42816.0
18.00	16	32	92	4	C42818.0
20.00	20	38	104	4	C42820.0
22.00	20	38	104	4	C42822.0
25.00	25	45	121	6	C42825.0
28.00	25	45	121	6	C42828.0
30.00	25	45	121	6	C42830.0
32.00	32	53	133	6	C42832.0
36.00	32	53	133	6	C42836.0
40.00	40	63	155	6	C42840.0

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi

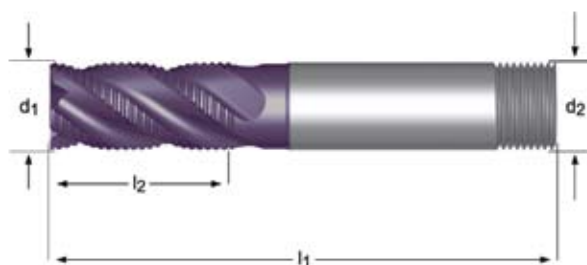


C437



- 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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	3	C4376.0	16.00	16	32	92	4	C43716.0
7.00	10	16	66	4	C4377.0	18.00	16	32	92	4	C43718.0
8.00	10	19	69	4	C4378.0	20.00	16	38	98	4	C43720.0
10.00	10	22	72	4	C43710.0	20.00	20	38	104	4	C43720.0X20.0
12.00	12	26	83	4	C43712.0	25.00	25	45	121	6	C43725.0
14.00	12	26	83	4	C43714.0	30.00	25	45	121	6	C43730.0



C436



- 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 mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	3	C4366.0	18.00	16	32	92	4	C43618.0
8.00	10	19	69	4	C4368.0	20.00	16	38	98	4	C43620.0
10.00	10	22	72	4	C43610.0	20.00	20	38	104	4	C43620.0X20.0
12.00	12	26	83	4	C43612.0	25.00	25	45	121	6	C43625.0
14.00	12	26	83	4	C43614.0	30.00	25	45	121	6	C43630.0
16.00	16	32	92	4	C43616.0						

C491 / C492

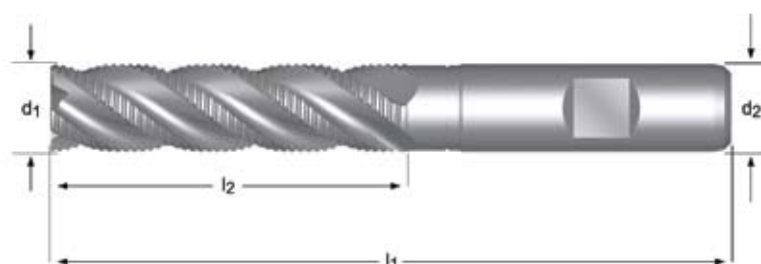
DORMER

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degroasare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax

NEW

2008.09

primax



C491

Hrubovací profil vylepšený na asymetrický HRA / Tökéletesített nagyoló profil: "aszimmetrikus" HRA forgácstörő / Profil zgrubny zmodyfikowany o asymetryczny łamacz HRA / Profil de degroare stil asimetric HRA / Тип стружколомающей геометрии был улучшен до несимметричной HRA / Grobi profil HRA



■	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										

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	3	C4916.0
8.00	10	38	88	3	C4918.0
10.00	10	45	95	4	C49110.0
12.00	12	53	110	4	C49112.0
14.00	12	53	110	4	C49114.0
16.00	16	63	123	4	C49116.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C49118.0
20.00	20	75	141	4	C49120.0
22.00	20	75	141	4	C49122.0
25.00	25	90	166	6	C49125.0
30.00	25	90	166	6	C49130.0

NEW

2008.09

primax



C492

Hrubovací profil vylepšený na asymetrický HRA / Tökéletesített nagyoló profil: "aszimmetrikus" HRA forgácstörő / Profil zgrubny zmodyfikowany o asymetryczny łamacz HRA / Profil de degroare stil asimetric HRA / Тип стружколомающей геометрии был улучшен до несимметричной HRA / Grobi profil HRA



■	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														

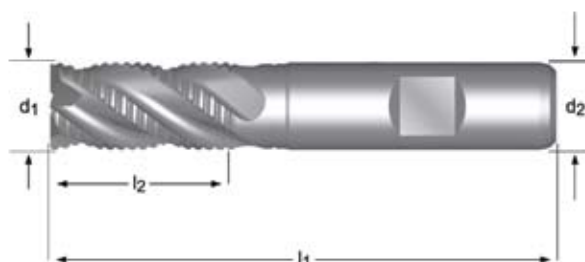
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	3	C4926.0
8.00	10	38	88	3	C4928.0
10.00	10	45	95	4	C49210.0
12.00	12	53	110	4	C49212.0
14.00	12	53	110	4	C49214.0
16.00	16	63	123	4	C49216.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C49218.0
20.00	20	75	141	4	C49220.0
22.00	20	75	141	4	C49222.0
25.00	25	90	166	6	C49225.0
30.00	25	90	166	6	C49230.0

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax

NEW

2008.09

primax


C407



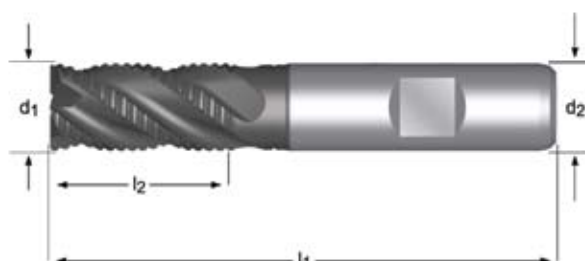
■	1.2	1.3	1.4	1.5	2.1	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2
●	1.1	1.6	2.2	4.1	5.1	6.4	7.4								

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C4076.0
7.00	10	16	66	4	C4077.0
8.00	10	19	69	4	C4078.0
9.00	10	19	69	4	C4079.0
10.00	10	22	72	4	C40710.0
11.00	12	22	79	4	C40711.0
12.00	12	26	83	4	C40712.0
13.00	12	26	83	4	C40713.0
14.00	12	26	83	4	C40714.0
15.00	12	26	83	4	C40715.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C40716.0
18.00	16	32	92	4	C40718.0
20.00	20	38	104	4	C40720.0
22.00	20	38	104	4	C40722.0
25.00	25	45	121	5	C40725.0
28.00	25	45	121	5	C40728.0
30.00	25	45	121	5	C40730.0
32.00	32	53	133	6	C40732.0
40.00	40	63	155	6	C40740.0

NEW

2008.09

primax


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										

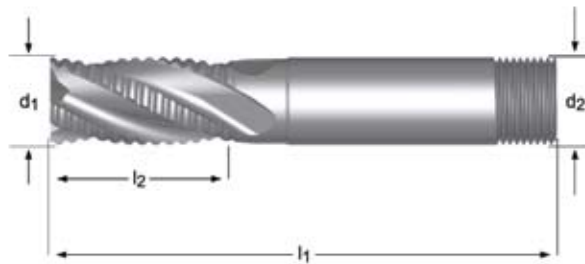
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C9086.0
7.00	10	16	66	4	C9087.0
8.00	10	19	69	4	C9088.0
9.00	10	19	69	4	C9089.0
10.00	10	22	72	4	C90810.0
11.00	12	22	79	4	C90811.0
12.00	12	26	83	4	C90812.0
13.00	12	26	83	4	C90813.0
14.00	12	26	83	4	C90814.0
15.00	12	26	83	4	C90815.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C90816.0
18.00	16	32	92	4	C90818.0
20.00	20	38	104	4	C90820.0
22.00	20	38	104	4	C90822.0
25.00	25	45	121	6	C90825.0
28.00	25	45	121	6	C90828.0
30.00	25	45	121	6	C90830.0
32.00	32	53	133	6	C90832.0
36.00	32	53	133	6	C90836.0
40.00	40	63	155	6	C90840.0

C493

DORMER

- Hrubovací frézy - Primax
- Nagyló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax



NEW

2008.09

primax

C493



- 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

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
8.00	10	19	69	4	C4938.0
10.00	10	22	72	4	C49310.0
12.00	12	26	83	4	C49312.0
14.00	12	26	83	4	C49314.0
16.00	16	32	92	4	C49316.0
18.00	16	32	92	4	C49318.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
20.00	20	38	104	4	C49320.0X20.0
22.00	20	38	104	4	C49322.0X20.0
25.00	25	45	121	5	C49325.0
30.00	25	45	121	5	C49330.0
32.00	32	53	133	6	C49332.0

- Hrubovací frézy
- Nagyoló Ujjmaró kúpos szárral
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



C475



- 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

d_1 Ø	l_2	l_1	MK	z	e-Code
mm	mm	mm			
14.00	26	111	2	4	C47514.0
16.00	32	117	2	4	C47516.0
18.00	32	117	2	4	C47518.0
20.00	38	123	2	4	C47520.0
22.00	38	123	2	4	C47522.0
24.00	45	147	3	4	C47524.0
25.00	45	147	3	5	C47525.0
26.00	45	147	3	5	C47526.0
28.00	45	147	3	5	C47528.0
30.00	45	147	3	5	C47530.0

d_1 Ø	l_2	l_1	MK	z	e-Code
mm	mm	mm			
32.00	53	178	4	6	C47532.0
34.00	53	178	4	6	C47534.0
36.00	53	178	4	6	C47536.0
38.00	63	188	4	6	C47538.0
40.00	63	188	4	6	C47540.0
45.00	63	188	4	6	C47545.0
50.00	75	233	5	6	C47550.0

C944 / C948

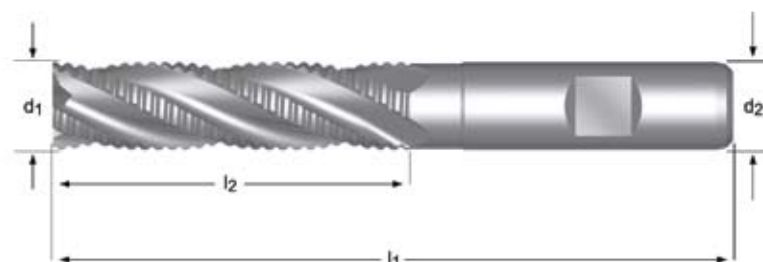
DORMER

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Freze czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax

NEW

2008.09

primax



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										

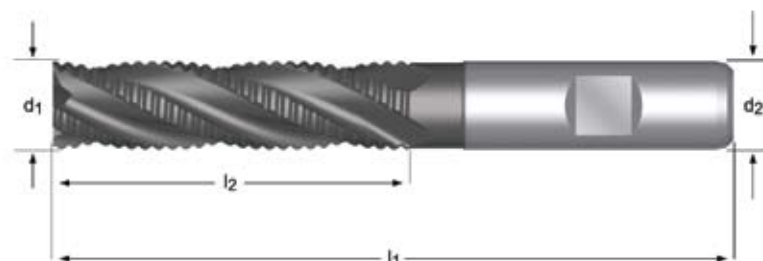
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	4	C9446.0
8.00	10	38	88	4	C9448.0
10.00	10	45	95	4	C94410.0
12.00	12	53	110	4	C94412.0
14.00	12	53	110	4	C94414.0
16.00	16	63	123	4	C94416.0
18.00	16	63	123	4	C94418.0
20.00	20	75	141	4	C94420.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
22.00	20	75	141	4	C94422.0
25.00	25	90	166	6	C94425.0
30.00	25	90	166	6	C94430.0
32.00	32	106	186	6	C94432.0
40.00	40	125	217	6	C94440.0 ¹⁾
50.00	50	150	252	6	C94450.0 ¹⁾

NEW

2008.09

primax



C948



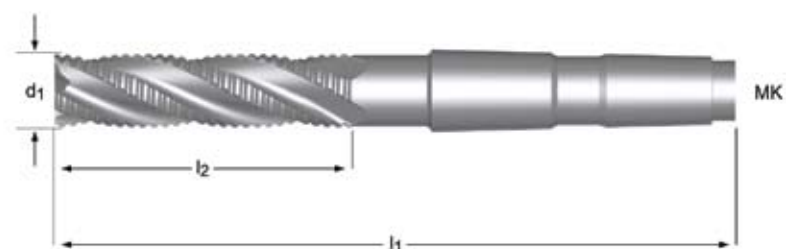
■	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.2	7.4
•	4.1	5.1	6.4														

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	4	C9486.0
8.00	10	38	88	4	C9488.0
10.00	10	45	95	4	C94810.0
12.00	12	53	110	4	C94812.0
14.00	12	53	110	4	C94814.0
16.00	16	63	123	4	C94816.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
18.00	16	63	123	4	C94818.0
20.00	20	75	141	4	C94820.0
25.00	25	90	166	6	C94825.0
30.00	25	90	166	6	C94830.0
32.00	32	106	186	6	C94832.0

¹⁾ HSCo

- Hrubovací frézy
- Nagyoló Ujjmaró kúpos szárral
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



C477

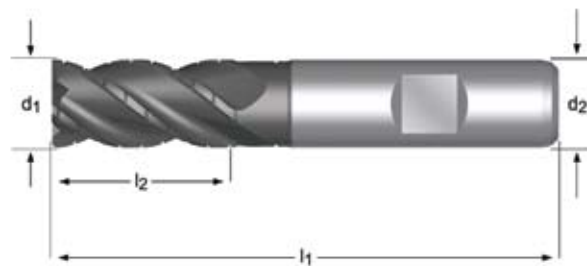


- 1.2 1.3 6.2 6.3
- 1.1 1.4 2.1 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 7.2 7.3 8.1

d_1 Ø	l_2	l_1	MK	z	e-Code
16.00	63	148	2	4	C47716.0
20.00	75	160	2	4	C47720.0
25.00	90	192	3	5	C47725.0
30.00	90	192	3	5	C47730.0

d_1 Ø	l_2	l_1	MK	z	e-Code
36.00	106	231	4	6	C47736.0
40.00	125	250	4	6	C47740.0

- Hrubovací frézy - Primax
- Nagyoló Ujjmaró - Primax
- Frezy czolowo-walcowe do obróbki zgrubnej - Primax
- Freze cilindro-frontale pentru degrosare - Primax
- Черновые концевые фрезы - Primax
- rezkar grobi - Primax



primax

C921

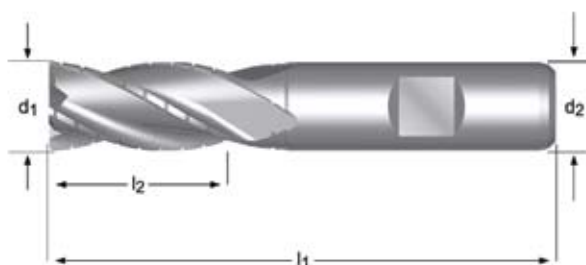


- 1.3 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 4.2 4.3 5.2 5.3 6.2 7.4
- 4.1 5.1 6.4

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	3	C9216.0
8.00	10	19	69	4	C9218.0
10.00	10	22	72	4	C92110.0
12.00	12	26	83	4	C92112.0
14.00	12	26	83	4	C92114.0
16.00	16	32	92	4	C92116.0
18.00	16	32	92	4	C92118.0
20.00	20	38	104	4	C92120.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
22.00	20	38	104	5	C92122.0
25.00	25	45	121	5	C92125.0
28.00	25	45	121	6	C92128.0
30.00	25	45	121	6	C92130.0
32.00	32	53	133	6	C92132.0

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



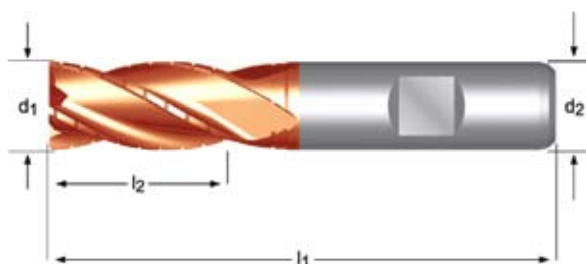
C424



- 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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C4246.0
7.00	10	16	66	4	C4247.0
8.00	10	19	69	4	C4248.0
9.00	10	19	69	4	C4249.0
10.00	10	22	72	4	C42410.0
11.00	12	22	79	4	C42411.0
12.00	12	26	83	4	C42412.0
13.00	12	26	83	4	C42413.0
14.00	12	26	83	4	C42414.0
15.00	12	26	83	4	C42415.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C42416.0
18.00	16	32	92	4	C42418.0
20.00	20	38	104	4	C42420.0
22.00	20	38	104	5	C42422.0
25.00	25	45	121	5	C42425.0
28.00	25	45	121	6	C42428.0
30.00	25	45	121	6	C42430.0



C929



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

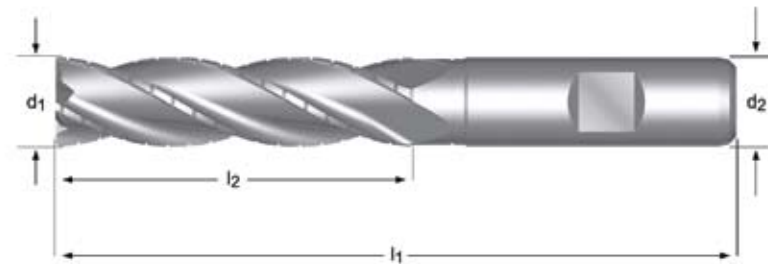
d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C9296.0
7.00	10	16	66	4	C9297.0
8.00	10	19	69	4	C9298.0
9.00	10	19	69	4	C9299.0
10.00	10	22	72	4	C92910.0
11.00	12	22	79	4	C92911.0
12.00	12	26	83	4	C92912.0
13.00	12	26	83	4	C92913.0
14.00	12	26	83	4	C92914.0
15.00	12	26	83	4	C92915.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	32	92	4	C92916.0
18.00	16	32	92	4	C92918.0
20.00	20	38	104	4	C92920.0
22.00	20	38	104	5	C92922.0
25.00	25	45	121	5	C92925.0
28.00	25	45	121	6	C92928.0
30.00	25	45	121	6	C92930.0

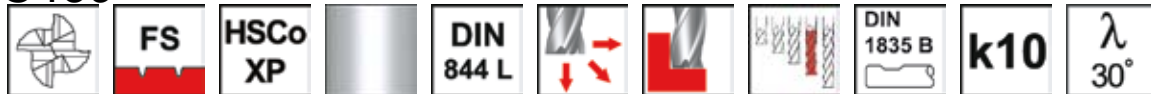
C439

DORMER

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



C439

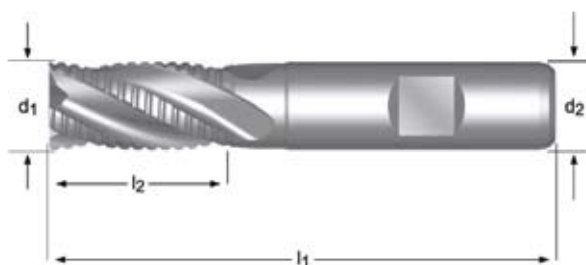


- 1.1 1.2 1.3 4.1 5.1 6.1 6.2 6.3
- 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	24	68	4	C4396.0
7.00	10	30	80	4	C4397.0
8.00	10	38	88	4	C4398.0
9.00	10	38	88	4	C4399.0
10.00	10	45	95	4	C43910.0
11.00	12	45	102	4	C43911.0
12.00	12	53	110	4	C43912.0
13.00	12	53	110	4	C43913.0
14.00	12	53	110	4	C43914.0
15.00	12	53	110	4	C43915.0

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	16	63	123	4	C43916.0
18.00	16	63	123	4	C43918.0
20.00	20	75	141	4	C43920.0
22.00	20	75	141	5	C43922.0
25.00	25	90	166	5	C43925.0
28.00	25	90	166	6	C43928.0
30.00	25	90	166	6	C43930.0

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C4006.0	20.00	20	38	104	4	C40020.0
7.00	10	16	66	4	C4007.0	22.00	20	38	104	4	C40022.0
8.00	10	19	69	4	C4008.0	24.00	25	45	121	4	C40024.0
9.00	10	19	69	4	C4009.0	25.00	25	45	121	5	C40025.0
10.00	10	22	72	4	C40010.0	26.00	25	45	121	5	C40026.0
11.00	12	22	79	4	C40011.0	28.00	25	45	121	5	C40028.0
12.00	12	26	83	4	C40012.0	30.00	25	45	121	5	C40030.0
13.00	12	26	83	4	C40013.0	32.00	32	53	133	6	C40032.0
14.00	12	26	83	4	C40014.0	36.00	32	53	133	6	C40036.0
15.00	12	26	83	4	C40015.0	40.00	40	63	155	6	C40040.0
16.00	16	32	92	4	C40016.0	50.00	50	75	177	6	C40050.0
18.00	16	32	92	4	C40018.0						



C413



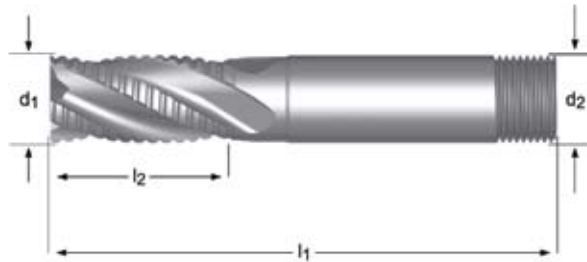
- 1.2 1.3 1.4 3.1 3.2 3.3 3.4 4.2 5.2 6.2 6.3
- 1.1 1.5 1.6 2.1 2.3 4.1 4.3 5.1 5.3 6.1 6.4 7.2 7.3 7.4 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	6	13	57	4	C4136.0	22.00	20	38	104	4	C41322.0
8.00	10	19	69	4	C4138.0	25.00	25	45	121	5	C41325.0
10.00	10	22	72	4	C41310.0	28.00	25	45	121	5	C41328.0
12.00	12	26	83	4	C41312.0	30.00	25	45	121	5	C41330.0
14.00	12	26	83	4	C41314.0	32.00	32	53	133	6	C41332.0
16.00	16	32	92	4	C41316.0						
18.00	16	32	92	4	C41318.0						
20.00	20	38	104	4	C41320.0						

C460

DORMER

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



C460

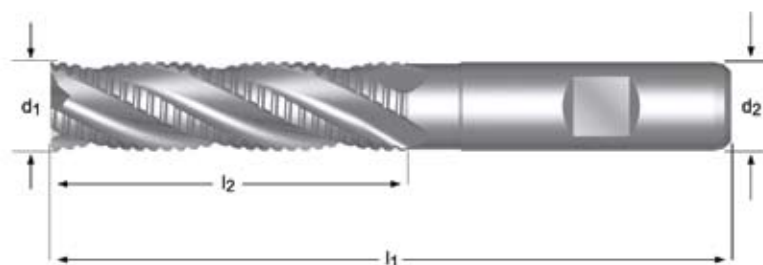


- 1.2 1.3 6.2 6.3
- 1.1 1.4 2.1 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 7.2 7.3 8.1

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
6.00	6	13	57	4	C4606.0
8.00	10	19	69	4	C4608.0
10.00	10	22	72	4	C46010.0
12.00	12	26	83	4	C46012.0
14.00	12	26	83	4	C46014.0
16.00	16	32	92	4	C46016.0
18.00	16	32	92	4	C46018.0
20.00	16	38	98	4	C46020.0

d_1 Ø mm	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
20.00	20	38	104	4	C46020.0X20.0
25.00	25	45	121	5	C46025.0
30.00	25	45	121	5	C46030.0
32.00	32	53	133	6	C46032.0
40.00	40	63	155	6	C46040.0
50.00	50	75	177	6	C46050.0

- Hrubovací frézy
- Nagyoló Ujjmaró
- Frezy czolowo-walcowe do obróbki zgrubnej
- Freze cilindro-frontale pentru degrosare
- Черновые концевые фрезы
- rezkar grobi



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

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	45	95	4	C40310.0	28.00	25	90	166	5	C40328.0
12.00	12	53	110	4	C40312.0	30.00	25	90	166	5	C40330.0
14.00	12	53	110	4	C40314.0	32.00	32	106	186	6	C40332.0
16.00	16	63	123	4	C40316.0	36.00	32	106	186	6	C40336.0
18.00	16	63	123	4	C40318.0	40.00	40	125	217	6	C40340.0
20.00	20	75	141	4	C40320.0	45.00	40	125	217	6	C40345.0
22.00	20	75	141	4	C40322.0	50.00	50	150	252	6	C40350.0
25.00	25	90	166	5	C40325.0						



C429



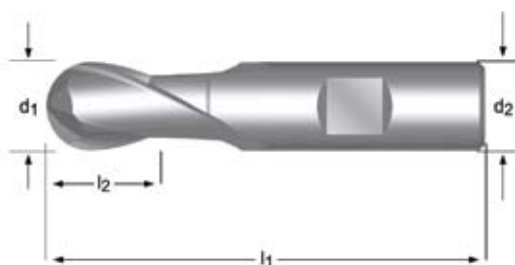
- 1.2 1.3 1.4 3.1 3.2 3.3 3.4 4.2 5.2 6.2 6.3
- 1.1 1.5 1.6 2.1 2.3 4.1 4.3 5.1 5.3 6.1 6.4 7.2 7.3 7.4 8.1

d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code	d ₁ Ø mm	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	10	45	95	4	C42910.0	25.00	25	90	166	5	C42925.0
12.00	12	53	110	4	C42912.0	28.00	25	90	166	5	C42928.0
14.00	12	53	110	4	C42914.0	30.00	25	90	166	5	C42930.0
16.00	16	63	123	4	C42916.0	32.00	32	106	186	6	C42932.0
18.00	16	63	123	4	C42918.0						
20.00	20	75	141	4	C42920.0						

C500 / C503

DORMER

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



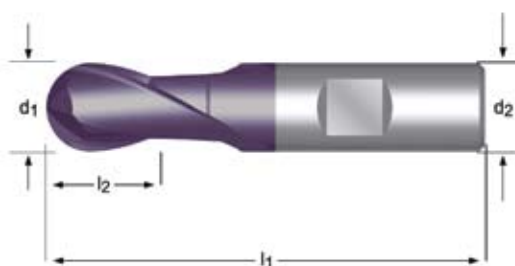
C500



- 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

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	1.0	6	4	48	2	C5002.0
3.00	1.5	6	5	49	2	C5003.0
4.00	2.0	6	7	51	2	C5004.0
5.00	2.5	6	8	52	2	C5005.0
6.00	3.0	6	8	52	2	C5006.0
7.00	3.5	10	10	60	2	C5007.0
8.00	4.0	10	11	61	2	C5008.0
9.00	4.5	10	11	61	2	C5009.0
10.00	5.0	10	13	63	2	C50010.0
11.00	5.5	12	13	70	2	C50011.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	6.0	12	16	73	2	C50012.0
13.00	6.5	12	16	73	2	C50013.0
14.00	7.0	12	16	73	2	C50014.0
15.00	7.5	12	16	73	2	C50015.0
16.00	8.0	16	19	79	2	C50016.0
18.00	9.0	16	19	79	2	C50018.0
20.00	10.0	20	22	88	2	C50020.0
25.00	12.5	25	26	102	2	C50025.0



C503

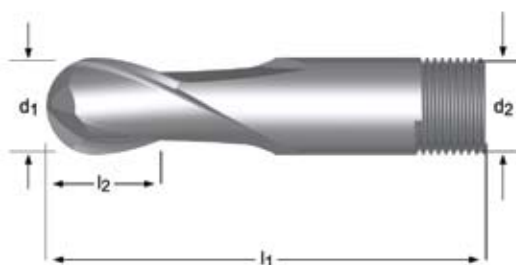


- 1.1 1.2 1.3 1.4 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3
- 1.5 1.6 2.1 2.3 4.3 5.3 6.4 7.1 7.2 7.3 7.4 8.1

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
2.00	1.0	6	4	48	2	C5032.0
3.00	1.5	6	5	49	2	C5033.0
4.00	2.0	6	7	51	2	C5034.0
5.00	2.5	6	8	52	2	C5035.0
6.00	3.0	6	8	52	2	C5036.0
7.00	3.5	10	10	60	2	C5037.0
8.00	4.0	10	11	61	2	C5038.0
9.00	4.5	10	11	61	2	C5039.0
10.00	5.0	10	13	63	2	C50310.0
11.00	5.5	12	13	70	2	C50311.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
12.00	6.0	12	16	73	2	C50312.0
13.00	6.5	12	16	73	2	C50313.0
14.00	7.0	12	16	73	2	C50314.0
15.00	7.5	12	16	73	2	C50315.0
16.00	8.0	16	19	79	2	C50316.0
18.00	9.0	16	19	79	2	C50318.0
20.00	10.0	20	22	88	2	C50320.0
25.00	12.5	25	26	102	2	C50325.0

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



C530



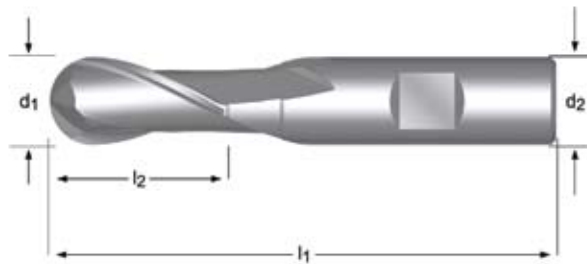
- 1.1 1.2
- 1.3 3.1 3.2 3.3 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.1 7.2 7.3 8.1

d ₁ Ø Inch	d ₁ Ø mm	r Inch	R	d ₂ Ø Inch	l ₂ mm	l ₁ mm	z	e-Code
1/16	1.59	1/32	0.79	6.35 - 1/4	2.5	48.5	2	C5301/16
	2.00		1.00	6	3	49	2	C5302.0
3/32	2.38	3/64	1.19	6.35 - 1/4	4.5	51	2	C5303/32
	2.50		1.25	6	4.5	51	2	C5302.5
	3.00		1.50	6	7	51	2	C5303.0
1/8	3.18	1/16	1.59	6.35 - 1/4	7.0	51	2	C5301/8
5/32	3.97	5/64	1.98	6.35 - 1/4	9.5	52.5	2	C5305/32
	4.00		2.00	6	9.5	52.5	2	C5304.0
3/16	4.76	3/32	2.38	6.35 - 1/4	9.5	52.5	2	C5303/16
	5.00		2.50	6	9.5	52.5	2	C5305.0
	6.00		3.00	6	11	56.5	2	C5306.0
1/4	6.35	1/8	3.18	6.35 - 1/4	11	56.5	2	C5301/4
	7.00		3.50	10	11	58.5	2	C5307.0
5/16	7.94	5/32	3.97	9.53 - 3/8	12.5	59.5	2	C5305/16
	8.00		4.00	10	12.5	59.5	2	C5308.0
3/8	9.53	3/16	4.76	9.53 - 3/8	14.5	60.5	2	C5303/8
	10.00		5.00	10	14.5	60.5	2	C53010.0
	12.00		6.00	12	19	66.5	2	C53012.0
1/2	12.70	1/4	6.35	12.7 - 1/2	19	66.5	2	C5301/2
	14.00		7.00	12	22	68.5	2	C53014.0
5/8	15.88	5/16	7.94	15.88 - 5/8	22	72	2	C5305/8
	16.00		8.00	16	22	72	2	C53016.0
	18.00		9.00	16	24	74	2	C53018.0
3/4	19.05	3/8	9.53	15.88 - 5/8	25.5	77	2	C5303/4
	20.00		10.00	25	25.5	77	2	C53020.0
	22.00		11.00	25	25.5	100	2	C53022.0
7/8	22.23	7/16	11.11	25.4 - 1.	25.5	100	2	C5307/8
	24.00		12.00	25	25.5	103	2	C53024.0
	25.00		12.50	25	28.5	97	2	C53025.0
1	25.40	1/2	12.70	25.4 - 1.	27	95	2	C5301
	26.00		13.00	25	28.5	97	2	C53026.0
	28.00		14.00	25	30	95	2	C53028.0
1.1/8	28.58	9/16	14.29	25.4 - 1.	30	95	2	C5301.1/8
	30.00		15.00	25	30	93.5	2	C53030.0
1.1/4	31.75	5/8	15.88	31.75 - 1.1/4	35	117.5	2	C5301.1/4X1.1/4
	32.00		16.00	25	36.5	100	2	C53032.0
1.3/8	34.93	11/16	17.46	31.75 - 1.1/4	39.5	111	2	C5301.3/8X1.1/4
1.1/2	38.10	3/4	19.05	31.75 - 1.1/4	43	114.5	2	C5301.1/2X1.1/4

C505

DORMER

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



C505

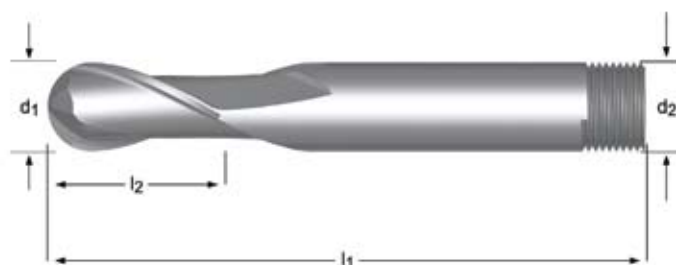


- 1.1 1.2 4.1 5.1 6.1 6.2 6.3
- 1.3 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
3.00	1.5	6	8	52	2	C5053.0
4.00	2.0	6	11	55	2	C5054.0
5.00	2.5	6	13	57	2	C5055.0
6.00	3.0	6	13	57	2	C5056.0
7.00	3.5	10	16	66	2	C5057.0
8.00	4.0	10	19	69	2	C5058.0
9.00	4.5	10	19	69	2	C5059.0
10.00	5.0	10	22	72	2	C50510.0
12.00	6.0	12	26	83	2	C50512.0
14.00	7.0	12	26	83	2	C50514.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	8.0	16	32	92	2	C50516.0
18.00	9.0	16	32	92	2	C50518.0
20.00	10.0	20	38	104	2	C50520.0
22.00	11.0	20	38	104	2	C50522.0
25.00	12.5	25	45	121	2	C50525.0
28.00	14.0	25	45	121	2	C50528.0
30.00	15.0	25	45	121	2	C50530.0

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



C535



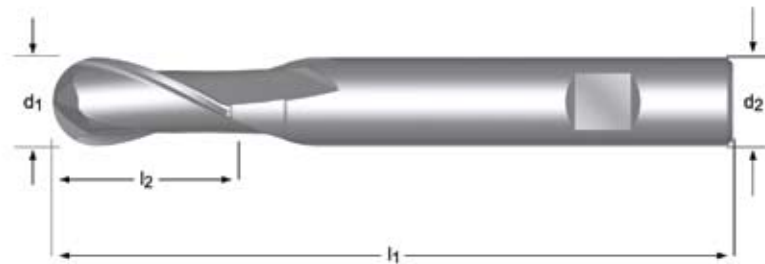
- 1.1 1.2 4.1 5.1 6.1 6.2 6.3
- 1.3 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø Inch	d ₁ Ø mm	r Inch	R	d ₂ Ø Inch	l ₂ mm	l ₁ mm	z	e-Code
	3.00		1.50	6	11	60.5	2	C5353.0
1/8	3.18	1/16	1.59	6.35 - 1/4	11	63.5	2	C5351/8
	4.00		2.00	6	12.5	66.5	2	C5354.0
	5.00		2.50	6	12.5	70	2	C5355.0
	6.00		3.00	6	16	76	2	C5356.0
	8.00		4.00	10	19	79.5	2	C5358.0
	10.00		5.00	10	22	82.5	2	C53510.0
	12.00		6.00	12	25.5	95	2	C53512.0
	16.00		8.00	16	31.5	108	2	C53516.0
	20.00		10.00	25	38	120.5	2	C53520.0

C511

DORMER

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



C511

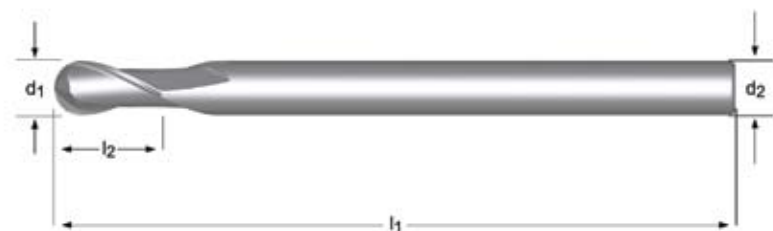


- 1.1 1.2 4.1 5.1 6.1 6.2 6.3
- 1.3 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d_1 Ø mm	R	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
3.00	1.5	6	12	56	2	C5113.0
4.00	2.0	6	19	63	2	C5114.0
5.00	2.5	6	24	68	2	C5115.0
6.00	3.0	6	24	68	2	C5116.0
8.00	4.0	10	38	88	2	C5118.0
10.00	5.0	10	45	95	2	C51110.0

d_1 Ø mm	R	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
12.00	6.0	12	53	110	2	C51112.0
14.00	7.0	12	53	110	2	C51114.0
16.00	8.0	16	63	123	2	C51116.0
18.00	9.0	16	63	123	2	C51118.0
20.00	10.0	20	75	141	2	C51120.0
25.00	12.5	25	90	166	2	C51125.0

- Kopírovací frézy
- Gravírmáró
- Frezy do kopiowania
- Freze de copiere
- Сферические концевые фрезы, сверхдлинное исполнение для копируемых работ
- rezkar kopirni



C502



- 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

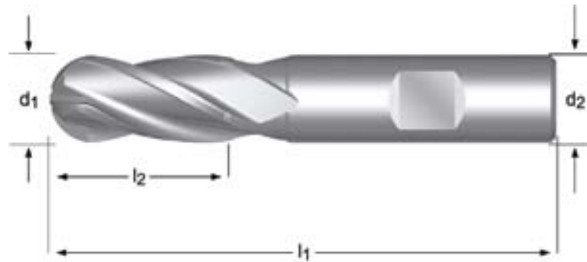
d_1 Ø mm	R	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
6.00	3.0	6	13	180	2	C5026.0
8.00	4.0	8	19	180	2	C5028.0
10.00	5.0	10	22	200	2	C50210.0
12.00	6.0	12	26	200	2	C50212.0

d_1 Ø mm	R	d_2 Ø mm	l_2 mm	l_1 mm	z	e-Code
16.00	8.0	16	32	200	2	C50216.0

C514

DORMER

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



C514

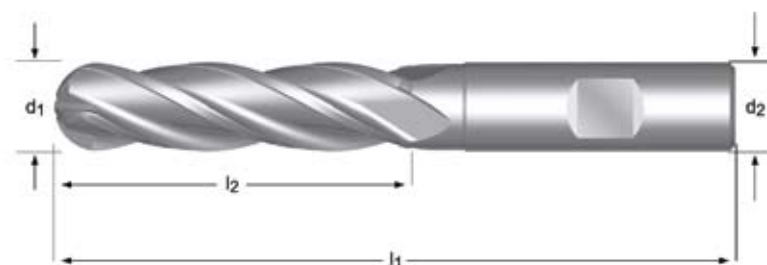


- 1.1 1.2 1.3 4.1 5.1 6.1 6.2 6.3
- 1.4 2.1 3.1 3.2 3.3 3.4 4.2 5.2 7.1 7.2 7.3 8.1

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	3.0	6	13	57	4	C5146.0
8.00	4.0	10	19	69	4	C5148.0
10.00	5.0	10	22	72	4	C51410.0
12.00	6.0	12	26	83	4	C51412.0
14.00	7.0	12	26	83	4	C51414.0
16.00	8.0	16	32	92	4	C51416.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
20.00	10.0	20	38	104	4	C51420.0
25.00	12.5	25	45	121	4	C51425.0
32.00	16.0	32	53	133	4	C51432.0

- Kopírovací frézy
- Gömbvégű Ujjmaró
- Frezy kuliste
- Freze cu cap sferic
- Сферические концевые фрезы
- rezkar krogelni



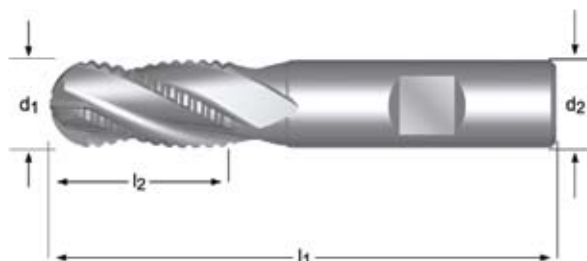
C510



- 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

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
6.00	3.0	6	24	68	4	C5106.0
8.00	4.0	10	38	88	4	C5108.0
10.00	5.0	10	45	95	4	C51010.0
12.00	6.0	12	53	110	4	C51012.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
16.00	8.0	16	63	123	4	C51016.0
20.00	10.0	20	75	141	4	C51020.0
25.00	12.5	25	90	166	6	C51025.0
32.00	16.0	32	106	186	6	C51032.0



C516



- 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

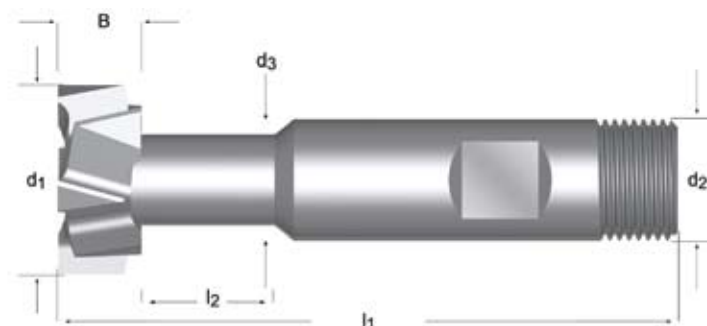
d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
10.00	5.0	10	22	72	4	C51610.0
12.00	6.0	12	26	83	4	C51612.0
14.00	7.0	12	26	83	4	C51614.0
16.00	8.0	16	32	92	4	C51616.0

d ₁ Ø mm	R	d ₂ Ø mm	l ₂ mm	l ₁ mm	z	e-Code
20.00	10.0	20	38	104	4	C51620.0
25.00	12.5	25	45	121	4	C51625.0
32.00	16.0	32	53	133	4	C51632.0

C800

DORMER

- Frézy T-drážky
- "T" horonymaró
- Frezy do rowków teowych
- Freze canal T
- Фрезы для обработки T-образных пазов
- rezkar T-utorni



C800



N

HSCo



DIN 851



DIN 1835
B
D

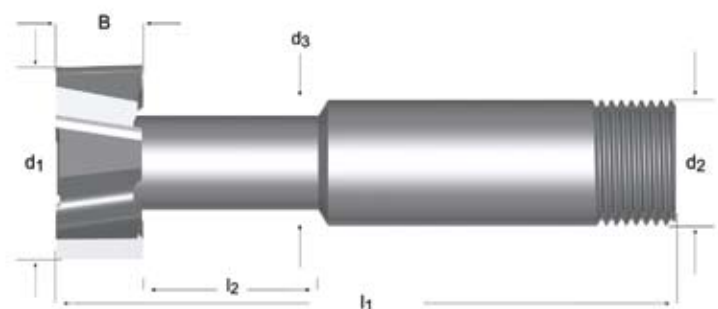
d11

λ
12°

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											

d ₁ Ø mm	B	T DIN650	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z e-Code
11.00	4.0	5	4	6.5	53.5	10	6 C80011.0X5.0
12.50	6.0	6	5	7	57.0	10	6 C80012.5X6.0
16.00	8.0	8	7	10	62.0	10	6 C80016.0X8.0
18.00	8.0	10	8	13	70.0	12	6 C80018.0X10.0
21.00	9.0	12	10	16	74.0	12	6 C80021.0X12.0
25.00	11.0	14	12	17	82.0	16	8 C80025.0X14.0
32.00	14.0	18	15	22	90.0	16	8 C80032.0X18.0
40.00	18.0	22	19	27	108.0	25	8 C80040.0X22.0
50.00	22.0	28	25	34	124.0	32	8 C80050.0X28.0

- Frézy T-drážky
- "T" horonymaró
- Frezy do rowków teowych
- Freze canal T
- Фрезы для обработки Т-образных пазов
- rezkar T-utorni



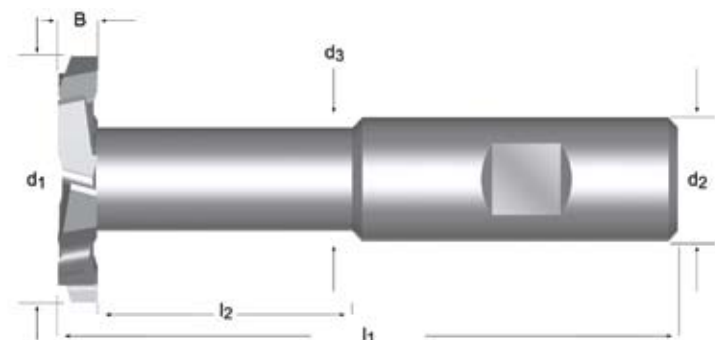
C810



■	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											

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

- Frézy T-drážky
- "T" horonymaró
- Frezy do rowków teowych
- Freze canal T
- Фрезы для обработки T-образных пазов
- rezkar T-utorni



C825



N

HSCo

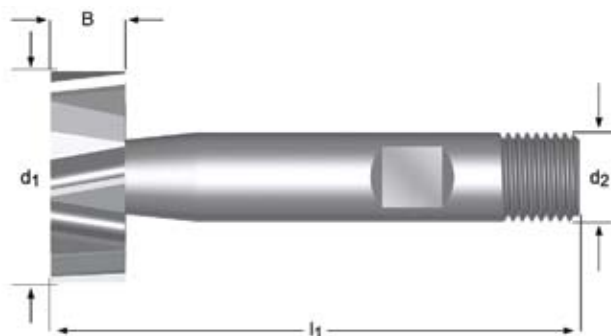


- 1.1 1.2 1.3 1.4 2.1 2.2 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.1 7.2 7.3
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

d ₁ Ø mm	B mm	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z	e-Code
40.00	3	19.2	46	100	20	8	C8253.0X40.0
40.00	4	19.2	45	100	20	8	C8254.0X40.0
40.00	5	19.2	44	100	20	8	C8255.0X40.0
40.00	6	19.2	43	100	20	8	C8256.0X40.0
40.00	8	19.2	41	100	20	8	C8258.0X40.0
40.00	10	19.2	39	100	20	8	C82510.0X40.0
63.00	6	24.2	67	130	25	12	C8256.0X63.0
63.00	8	24.2	65	130	25	12	C8258.0X63.0

d ₁ Ø mm	B mm	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z	e-Code
63.00	10	24.2	63	130	25	12	C82510.0X63.0
63.00	12	24.2	61	130	25	12	C82512.0X63.0
63.00	14	24.2	59	130	25	12	C82514.0X63.0
63.00	16	24.2	57	130	25	12	C82516.0X63.0
63.00	18	24.2	55	130	25	12	C82518.0X63.0

- Frézy pro drážky Woodruff
- Reteszhorony maró
- Frezy do rowków na wpusty
- Freze canale pene disc
- Грибковые фрезы
- rezkar T-utorni



C822


N
HSCo

DIN
850

h11


- 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
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

d ₁ Ø mm	B mm	d ₂ Ø mm	l ₁ mm	z	e-Code
4.50	1.0	6	50.0	6	C8224.5X1.0
7.50	1.5	6	50.0	6	C8227.5X1.5
7.50	2.0	6	50.0	6	C8227.5X2.0
10.50	2.0	6	50.0	8	C82210.5X2.0
10.50	2.5	6	50.0	8	C82210.5X2.5
10.50	3.0	6	50.0	8	C82210.5X3.0
13.50	3.0	10	56.0	8	C82213.5X3.0
13.50	4.0	10	56.0	8	C82213.5X4.0
16.50	3.0	10	56.0	8	C82216.5X3.0
16.50	4.0	10	56.0	8	C82216.5X4.0
16.50	5.0	10	56.0	8	C82216.5X5.0
19.50	3.0	10	63.0	6	C82219.5X3.0

d ₁ Ø mm	B mm	d ₂ Ø mm	l ₁ mm	z	e-Code
19.50	4.0	10	63.0	10	C82219.5X4.0
19.50	5.0	10	63.0	10	C82219.5X5.0
22.50	5.0	10	63.0	10	C82222.5X5.0
22.50	6.0	10	63.0	10	C82222.5X6.0
22.50	8.0	10	63.0	10	C82222.5X8.0
25.50	6.0	10	63.0	12	C82225.5X6.0
28.50	6.0	10	63.0	12	C82228.5X6.0
28.50	8.0	10	63.0	12	C82228.5X8.0
28.50	10.0	12	71.0	12	C82228.5X10.0
32.50	8.0	12	71.0	12	C82232.5X8.0
32.50	10.0	12	71.0	12	C82232.5X10.0
45.50	10.0	12	71.0	12	C82245.5X10.0

- Frézy pro drážky Woodruff
- Reteszhorony maró
- Frezy do rowków na wpusty
- Freze canale pene disc
- Грибковые фрезы
- rezkar T-utorni



C820



N

HSS



- 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
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

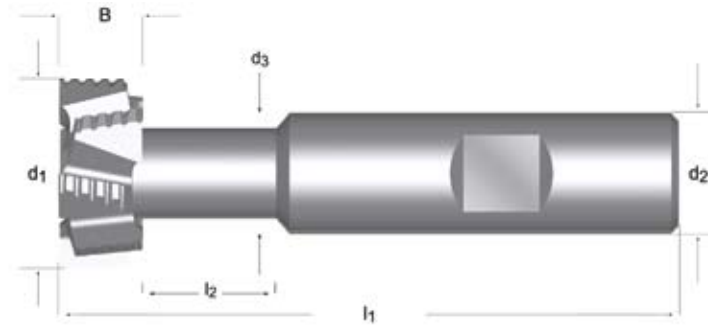
Nr.	d ₁ Ø mm	B	d ₁ Ø Inch	B	d ₂ Ø mm	l ₁ mm	z	e-Code
	10.50	2.00			12	57.0	6	C82010.5X2.0
	10.50	2.50			12	57.0	6	C82010.5X2.5
	10.50	3.00			12	57.0	6	C82010.5X3.0
204	12.70	1.59	1/2	1/16	12.7-1/2	57.0	6	C820204
304	12.70	2.38	1/2	3/32	12.7-1/2	57.0	6	C820304
404	12.70	3.18	1/2	1/8	12.7-1/2	57.0	6	C820404
	13.50	2.00			12	57.0	6	C82013.5X2.0
	13.50	2.50			12	57.0	6	C82013.5X2.5
	13.50	3.00			12	57.0	6	C82013.5X3.0
	13.50	4.00			12	57.0	6	C82013.5X4.0
305	15.88	2.38	5/8	3/32	12.7-1/2	57.0	6	C820305
405	15.88	3.18	5/8	1/8	12.7-1/2	57.0	6	C820405
505	15.88	3.97	5/8	5/32	12.7-1/2	57.0	6	C820505
	16.50	2.50			12	57.0	6	C82016.5X2.5
	16.50	3.00			12	57.0	6	C82016.5X3.0
	16.50	4.00			12	57.0	6	C82016.5X4.0
	16.50	5.00			12	57.0	6	C82016.5X5.0
406	19.05	3.18	3/4	1/8	12.7-1/2	57.0	6	C820406
506	19.05	3.97	3/4	5/32	12.7-1/2	57.0	6	C820506
606	19.05	4.76	3/4	3/16	12.7-1/2	57.0	6	C820606
	19.50	3.00			12	57.0	6	C82019.5X3.0
	19.50	4.00			12	57.0	6	C82019.5X4.0
	19.50	5.00			12	57.0	6	C82019.5X5.0
507	22.23	3.97	7/8	5/32	12.7-1/2	63.5	8	C820507
607	22.23	4.76	7/8	3/16	12.7-1/2	63.5	8	C820607
707	22.23	5.56	7/8	7/32	12.7-1/2	63.5	8	C820707
807	22.23	6.35	7/8	1/4	12.7-1/2	63.5	8	C820807
	22.50	4.00			12	63.5	8	C82022.5X4.0
	22.50	5.00			12	63.5	8	C82022.5X5.0
	22.50	6.00			12	63.5	8	C82022.5X6.0
608	25.40	4.76	1"	3/16	12.7-1/2	70.0	8	C820608
708	25.40	5.56	1"	7/32	12.7-1/2	70.0	8	C820708
808	25.40	6.35	1"	1/4	12.7-1/2	70.0	8	C820808
1008	25.40	7.94	1"	5/16	12.7-1/2	70.0	8	C8201008
	25.50	5.00			12	70.0	8	C82025.5X5.0
	25.50	6.00			12	70.0	8	C82025.5X6.0
	25.50	7.00			12	70.0	8	C82025.5X7.0
	25.50	8.00			12	70.0	8	C82025.5X8.0
	28.50	5.00			12	70.0	8	C82028.5X5.0
	28.50	6.00			12	70.0	8	C82028.5X6.0
	28.50	7.00			12	70.0	8	C82028.5X7.0
	28.50	8.00			12	70.0	8	C82028.5X8.0
609	28.58	4.76	1.1/8	3/16	12.7-1/2	70.0	8	C820609
709	28.58	5.56	1.1/8	7/32	12.7-1/2	70.0	8	C820709

Nr.	d ₁ Ø mm	B	d ₁ Ø Inch	B	d ₂ Ø mm	l ₁ mm	z	e-Code
809	28.58	6.35	1.1/8	1/4	12.7-1/2	70.0	8	C820809
1009	28.58	7.94	1.1/8	5/16	12.7-1/2	70.0	8	C8201009
610	31.75	4.76	1.1/4	3/16	12.7-1/2	70.0	8	C820610
710	31.75	5.56	1.1/4	7/32	12.7-1/2	70.0	8	C820710
810	31.75	6.35	1.1/4	1/4	12.7-1/2	70.0	8	C820810
1010	31.75	7.94	1.1/4	5/16	12.7-1/2	70.0	8	C8201010
1210	31.75	9.53	1.1/4	3/8	12.7-1/2	70.0	8	C8201210
	32.50	5.00			12	70.0	10	C82032.5X5.0
	32.50	6.00			12	70.0	10	C82032.5X6.0
	32.50	7.00			12	70.0	10	C82032.5X7.0
	32.50	8.00			12	70.0	10	C82032.5X8.0
811	34.93	6.35	1.3/8	1/4	12.7-1/2	76.0	10	C820811
1011	34.93	7.94	1.3/8	5/16	12.7-1/2	76.0	10	C8201011
1211	34.93	9.53	1.3/8	3/8	12.7-1/2	76.0	10	C8201211
	35.50	6.00			12	76.0	10	C82035.5X6.0
	35.50	7.00			12	76.0	10	C82035.5X7.0
	35.50	8.00			12	76.0	10	C82035.5X8.0
	35.50	9.00			12	76.0	10	C82035.5X9.0
812	38.10	6.35	1.1/2	1/4	12.7-1/2	76.0	10	C820812
1012	38.10	7.94	1.1/2	5/16	12.7-1/2	76.0	10	C8201012
1212	38.10	9.53	1.1/2	3/8	12.7-1/2	76.0	10	C8201212
	38.50	7.00			12	76.0	10	C82038.5X7.0
	38.50	8.00			12	76.0	10	C82038.5X8.0
	38.50	9.00			12	76.0	10	C82038.5X9.0
	38.50	10.00			12	76.0	10	C82038.5X10.0
	45.50	10.00			12	76.0	12	C82045.5X10.0

C801

DORMER

- Frézy T-drážky
- "T" horonymaró
- Frezy do rowków teowych
- Freze canal T
- Фрезы для обработки Т-образных пазов
- rezkar T-utorni



C801



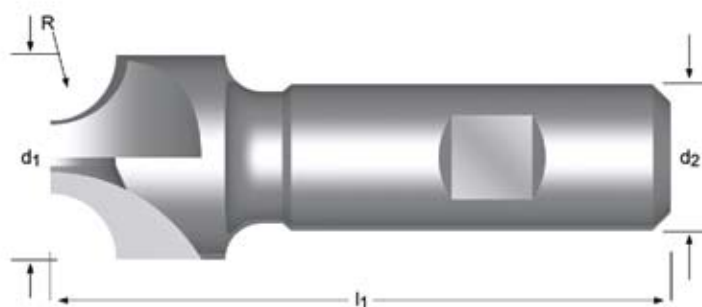
■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	10.1											

d ₁ Ø mm	B mm	T DIN650	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z	e-Code
16.0	8.0	8	7	10	62	10	6	C80116.0X8.0
18.0	8.0	10	8	13	70	12	6	C80118.0X10.0
21.0	9.0	12	10	16	74	12	6	C80121.0X12.0
25.0	11.0	14	12	17	82	16	8	C80125.0X14.0

d ₁ Ø mm	B mm	T DIN650	d ₃ Ø mm	l ₂ mm	l ₁ mm	d ₂ Ø mm	z	e-Code
32.0	14.0	18	15	22	90	16	8	C80132.0X18.0

C700 / C710

- | | | |
|--------------------------------|---|--------------------------|
| • Tvarové frézy radiusové | • Ráduszmaró | • Frezy do zaokrąglonych |
| • Freze pentru rotunjii muchii | • Концевая фреза для снятия радиусных фасок | • rezkar konkavni |



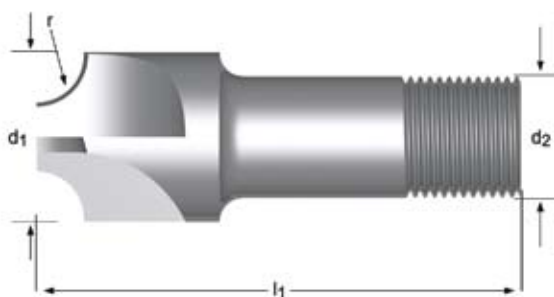
C700



- 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
7.4
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

	d ₂ Ø	d ₁ Ø	l ₁		
R	mm	mm	mm	z	e-Code
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	12	15	60	4	C7004.0
5.00	16	18	70	4	C7005.0
6.00	16	21	70	4	C7006.0
7.00	16	24	70	4	C7007.0

	d ₂ Ø	d ₁ Ø	l ₁		
R	mm	mm	mm	z	e-Code
8.00	16	24	70	4	C7008.0
9.00	20	28	85	4	C7009.0
10.00	20	28	85	4	C70010.0
12.00	20	35	100	4	C70012.0
12.50	20	35	100	4	C70012.5
14.00	25	42	100	4	C70014.0
15.00	25	48	105	5	C70015.0
16.00	25	48	105	5	C70016.0
18.00	32	52	115	5	C70018.0
20.00	32	60	115	6	C70020.0



C710



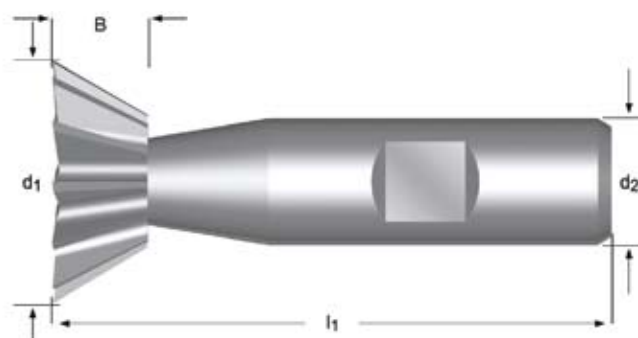
- 1.1 1.2 1.3 1.4 2.1 2.2 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.1 7.2 7.3
7.4
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

r	d ₂ Ø	d ₁ Ø	l ₁		
Inch	mm	Inch	mm	z	e-Code
1/16	9.53 - 3/8	3/8	60.5	4	C7101/16
3/32	9.53 - 3/8	7/16	60.5	4	C7103/32
1/8	12.7 - 1/2	1/2	60.5	4	C7101/8
5/32	12.7 - 1/2	9/16	60.5	4	C7105/32
3/16	15.88 - 5/8	5/8	60.5	4	C7103/16
7/32	15.88 - 5/8	3/4	63.5	4	C7107/32

C830

DORMER

- Rybinovité frézy
- Szögmaró
- Frezy do rowków trapezowych
- Freze coada de randunica
- Грибковые фрезы для обработки пазов типа "ласточкин хвост"
- rezkar lastovičji rep



C830



N

HSCo



DIN 1833 C



DIN 1835 B

js16

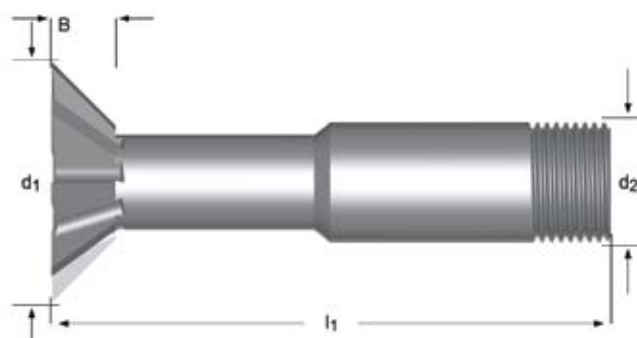
**λ
0°**

- 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
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

a	d ₁ Ø mm	B mm	l ₁ mm	d ₂ Ø mm	z	e-Code
45°	12.0	3.5	54	10	10	C83012.0X45
45°	16.0	4.0	60	12	10	C83016.0X45
45°	20.0	5.0	63	12	10	C83020.0X45
45°	25.0	6.3	67	12	10	C83025.0X45
45°	32.0	8.0	71	16	12	C83032.0X45
60°	12.0	5.0	54	10	10	C83012.0X60

a	d ₁ Ø mm	B mm	l ₁ mm	d ₂ Ø mm	z	e-Code
60°	16.0	6.3	60	12	10	C83016.0X60
60°	20.0	8.0	63	12	10	C83020.0X60
60°	25.0	10.0	67	12	10	C83025.0X60
60°	32.0	12.5	71	16	12	C83032.0X60

- Rybinovité frézy
- Szögmaró
- Freze coada de randunica
- Грибковые фрезы для обработки пазов типа "ласточкин хвост"
- Frezy do rowków trapezowych
- rezkar lastovičji rep



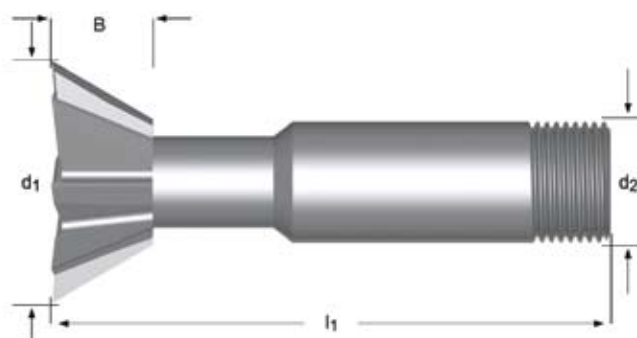
C837



■	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
	7.4	8.1																		
●	1.5	1.6	2.3	4.3	5.3	6.4														

a	d ₁ Ø mm	d ₁ Ø Inch	B	l ₁ mm	d ₂ Ø Inch	z	e-Code
45°	13.00		3.0	63.5	12	6	C83713.0
45°	15.88	5/8	4.0	66.5	1/2	6	C8375/8
45°	16.00		4.0	66.5	12	6	C83716.0
45°	19.00		5.5	66.5	12	6	C83719.0
45°	19.05	3/4	5.5	66.5	1/2	6	C8373/4
45°	22.00		6.5	68.5	12	6	C83722.0
45°	22.23	7/8	6.5	68.5	1/2	6	C8377/8
45°	25.00		7.5	70.0	12	6	C83725.0

a	d ₁ Ø mm	d ₁ Ø Inch	B	l ₁ mm	d ₂ Ø Inch	z	e-Code
45°	25.40	1"	8.0	70.0	1/2	6	C8371
45°	28.00		8.5	71.5	16	6	C83728.0
45°	31.75	1.1/4	8.5	74.5	5/8	8	C8371.1/4
45°	32.00		8.5	74.5	16	8	C83732.0
45°	34.93	1.3/8	9.5	78.0	1	8	C8371.3/8
45°	35.00		9.5	78.0	25	8	C83735.0
45°	38.00		10.5	78.5	25	8	C83738.0
45°	38.10	1.1/2	10.5	78.5	1	8	C8371.1/2



C835

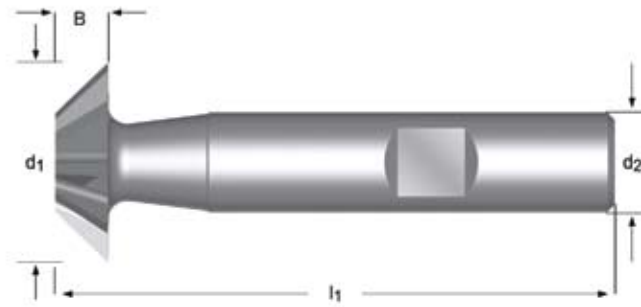


■	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	7.3
	7.4	8.1																		
●	1.5	1.6	2.3	4.3	5.3	6.4														

a	d ₁ Ø mm	d ₁ Ø Inch	B	l ₁ mm	d ₂ Ø Inch	z	e-Code
60°	12.70	1/2	4.0	63.5	1/2	6	C8351/2
60°	13.00		4.0	63.5	12	6	C83513.0
60°	15.88	5/8	5.5	66.5	1/2	6	C8355/8
60°	16.00		5.5	66.5	1/2	6	C83516.0
60°	19.00		7.0	67.5	12	6	C83519.0
60°	19.05	3/4	7.0	67.5	1/2	6	C8353/4
60°	22.00		9.5	67.5	12	6	C83522.0
60°	22.23	7/8	9.5	67.5	1/2	6	C8357/8
60°	25.00		12.0	70.0	12	6	C83525.0
60°	25.40	1"	12.0	70.0	1/2	6	C8351

a	d ₁ Ø mm	d ₁ Ø Inch	B	l ₁ mm	d ₂ Ø Inch	z	e-Code
60°	28.00		12.5	73.0	16	6	C83528.0
60°	28.58	1.1/8	12.5	73.0	5/8	6	C8351.1/8
60°	32.00		13.5	74.5	16	8	C83532.0
60°	31.75	1.1/4	13.5	74.5	5/8	8	C8351.1/4
60°	34.93	1.3/8	14.5	82.5	1	8	C8351.3/8
60°	35.00		14.5	82.5	25	8	C83535.0
60°	38.00		16.0	84.0	25	8	C83538.0
60°	38.10	1.1/2	16.0	84.0	1	8	C8351.1/2

- Fréza rybinovitá inverzní
- Inverz Szögmaró
- Frez przeciwny do rowków trapezowych
- Freza unghiulara
- Грибковые фрезы для обработки пазов типа "обратный ласточкин хвост"
- rezkar lastovičji rep



C831



N

HSCo



DIN 1833 D



DIN 1835 B

js16

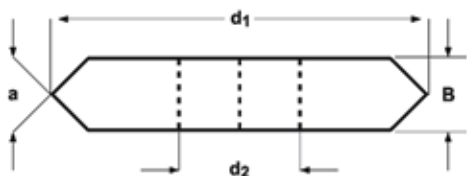
**λ
0°**

- 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
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

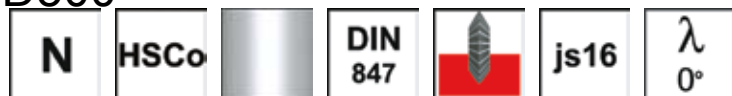
a	d ₁ Ø mm	B mm	l ₁ mm	d ₂ Ø mm	z	e-Code
45°	12.0	3.5	54	10	10	C83112.0X45
45°	16.0	4.0	60	12	10	C83116.0X45
45°	20.0	5.0	63	12	10	C83120.0X45
45°	25.0	6.3	67	12	10	C83125.0X45
45°	32.0	8.0	71	16	12	C83132.0X45
60°	12.0	5.0	54	10	10	C83112.0X60

a	d ₁ Ø mm	B mm	l ₁ mm	d ₂ Ø mm	z	e-Code
60°	16.0	6.3	60	12	10	C83116.0X60
60°	20.0	8.0	63	12	10	C83120.0X60
60°	25.0	10.0	67	12	10	C83125.0X60
60°	32.0	12.5	71	16	12	C83132.0X60

- Úhlové frézy
- Kétoldalas Szimmetrikus Szögmaró
- Frezy stożkowe równo-ramienne
- Freze unghiulare biconice
- Угловые насадные фрезы
- rezkar nasadni, enako kotni



D500

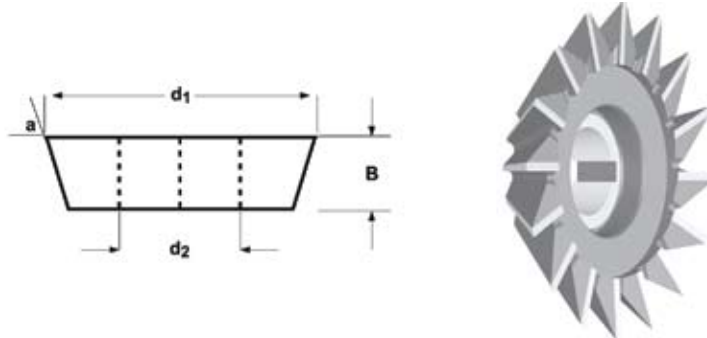


- 1.1 1.2 1.3 1.4 2.1 2.2 3.1 3.2 3.3 3.4 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.1 7.2 7.3
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

d_1 Ø mm	a °	B mm	d_2 Ø mm	z	e-Code
50	45°	8	16	16	D50050.0X45
63	45°	10	22	16	D50063.0X45
80	45°	12	27	18	D50080.0X45
50	60°	10	16	16	D50050.0X60
63	60°	14	22	16	D50063.0X60
80	60°	18	27	18	D50080.0X60

d_1 Ø mm	a °	B mm	d_2 Ø mm	z	e-Code
50	90°	14	16	16	D50050.0X90
63	90°	20	22	16	D50063.0X90
80	90°	22	27	18	D50080.0X90

- Nástrčná fréza úhlová
- Egyoldalas Szögmaró
- Frez katowy czolowo-walcowy nasadzany
- Freza unghiulara conica
- Угловая насадная концевая фреза
- rezkar nasadni, kotni



D552



- 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
- 7.4 8.1
- 1.5 1.6 2.3 4.3 5.3 6.4 10.1

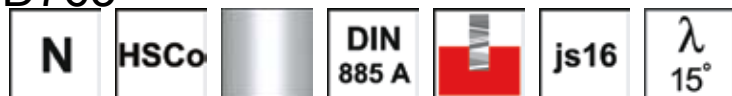
d_1 Ø mm	a °	B mm	d_2 Ø mm	z	e-Code
50	45°	13	13	16	D55250.0X45
63	45°	18	16	18	D55263.0X45
80	45°	22	22	20	D55280.0X45
63	60°	20	16	18	D55263.0X60

d_1 Ø mm	a °	B mm	d_2 Ø mm	z	e-Code
80	60°	25	22	20	D55280.0X60
100	60°	32	27	22	D552100.0X60
125	60°	40	32	24	D552125.0X60
160	60°	50	40	28	D552160.0X60

- Fréza čelní a stranová
- Keresztfogazású tárcsamaró
- Frez tarczowy trzysronny
- Freza cilindro-frontala
- Трехсторонняя дисковая фреза
- žaga krožna



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												

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
63	1.6	22	32	D76363.0X1.6
63	2.0	22	32	D76363.0X2.0
63	2.5	22	32	D76363.0X2.5
63	3.0	22	28	D76363.0X3.0
63	3.5	22	28	D76363.0X3.5
80	2.0	27	36	D76380.0X2.0
80	2.5	27	36	D76380.0X2.5
80	3.0	27	32	D76380.0X3.0
80	3.5	27	32	D76380.0X3.5
100	2.0	32	44	D763100.0X2.0

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
100	2.5	32	44	D763100.0X2.5
100	3.0	32	40	D763100.0X3.0
100	3.5	32	40	D763100.0X3.5
125	2.0	32	44	D763125.0X2.0
125	2.5	32	44	D763125.0X2.5
125	3.0	32	44	D763125.0X3.0
125	3.5	32	40	D763125.0X3.5
125	4.0	32	40	D763125.0X4.0

D200

DORMER

- Fréza čelní a stranová
- Keresztfogazású tárcsamaró
- Frez tarczowy trzystronny
- Freza cilindro-frontala
- Трехсторонняя дисковая фреза
- żaga krożna



D200

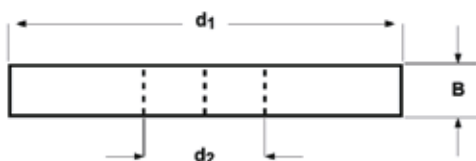


1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1												

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
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	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	18	D20063.0X16.0
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	20	D20080.0X10.0
80.00	12.0	27	20	D20080.0X12.0
80.00	14.0	27	20	D20080.0X14.0
80.00	16.0	27	20	D20080.0X16.0
80.00	20.0	27	20	D20080.0X20.0
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

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
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	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

- Pilky kotoučové
- Fém körfűrész
- Frezy pilkowe do metalu
- Freze disc
- Фреза дисковая отрезная
- žaga krožna



D747



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

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
32	0.3	8	80	D74732.0X.3
32	0.4	8	80	D74732.0X.4
32	0.5	8	80	D74732.0X.5
32	0.6	8	64	D74732.0X.6
32	0.8	8	64	D74732.0X.8
32	1.0	8	64	D74732.0X1.0
32	1.2	8	48	D74732.0X1.2
32	1.5	8	48	D74732.0X1.5
32	1.6	8	48	D74732.0X1.6
32	2.0	8	48	D74732.0X2.0
32	2.5	8	40	D74732.0X2.5
32	3.0	8	40	D74732.0X3.0
40	0.3	10	100	D74740.0X.3
40	0.4	10	100	D74740.0X.4
40	0.5	10	80	D74740.0X.5
40	0.6	10	80	D74740.0X.6
40	0.8	10	80	D74740.0X.8
40	1.0	10	64	D74740.0X1.0
40	1.2	10	64	D74740.0X1.2
40	1.5	10	64	D74740.0X1.5
40	1.6	10	64	D74740.0X1.6
40	2.0	10	48	D74740.0X2.0
40	2.5	10	48	D74740.0X2.5
40	3.0	10	48	D74740.0X3.0
50	0.3	13	128	D74750.0X.3
50	0.4	13	100	D74750.0X.4
50	0.5	13	100	D74750.0X.5
50	0.6	13	100	D74750.0X.6
50	0.8	13	80	D74750.0X.8
50	1.0	13	80	D74750.0X1.0
50	1.2	13	80	D74750.0X1.2
50	1.5	13	64	D74750.0X1.5
50	1.6	13	64	D74750.0X1.6
50	2.0	13	64	D74750.0X2.0
50	2.5	13	64	D74750.0X2.5
50	3.0	13	48	D74750.0X3.0
50	4.0	13	48	D74750.0X4.0
50	5.0	13	48	D74750.0X5.0
50	6.0	13	40	D74750.0X6.0
63	0.3	16	128	D74763.0X.3
63	0.4	16	128	D74763.0X.4
63	0.5	16	128	D74763.0X.5
63	0.6	16	100	D74763.0X.6
63	0.8	16	100	D74763.0X.8
63	1.0	16	100	D74763.0X1.0
63	1.2	16	80	D74763.0X1.2

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
63	1.5	16	80	D74763.0X1.5
63	1.6	16	80	D74763.0X1.6
63	2.0	16	80	D74763.0X2.0
63	2.5	16	64	D74763.0X2.5
63	3.0	16	64	D74763.0X3.0
63	4.0	16	64	D74763.0X4.0
63	5.0	16	48	D74763.0X5.0
63	6.0	16	48	D74763.0X6.0
80	0.4	22	160	D74780.0X.4
80	0.5	22	128	D74780.0X.5
80	0.6	22	128	D74780.0X.6
80	0.8	22	128	D74780.0X.8
80	1.0	22	100	D74780.0X1.0
80	1.2	22	100	D74780.0X1.2
80	1.5	22	100	D74780.0X1.5
80	1.6	22	100	D74780.0X1.6
80	2.0	22	80	D74780.0X2.0
80	2.5	22	80	D74780.0X2.5
80	3.0	22	80	D74780.0X3.0
80	4.0	22	64	D74780.0X4.0
80	5.0	22	64	D74780.0X5.0
80	6.0	22	64	D74780.0X6.0
100	0.5	22	160	D747100.0X.5
100	0.6	22	160	D747100.0X.6
100	0.8	22	128	D747100.0X.8
100	1.0	22	128	D747100.0X1.0
100	1.2	22	128	D747100.0X1.2
100	1.5	22	100	D747100.0X1.5
100	1.6	22	100	D747100.0X1.6
100	2.0	22	100	D747100.0X2.0
100	2.5	22	100	D747100.0X2.5
100	3.0	22	80	D747100.0X3.0
100	4.0	22	80	D747100.0X4.0
100	5.0	22	80	D747100.0X5.0
100	6.0	22	64	D747100.0X6.0
125	1.0	22	160	D747125.0X1.0
125	1.2	22	128	D747125.0X1.2
125	1.5	22	128	D747125.0X1.5
125	1.6	22	128	D747125.0X1.6
125	2.0	22	128	D747125.0X2.0
125	2.5	22	100	D747125.0X2.5
125	3.0	22	100	D747125.0X3.0
125	4.0	22	100	D747125.0X4.0
125	5.0	22	80	D747125.0X5.0
125	6.0	22	80	D747125.0X6.0
160	1.0	32	160	D747160.0X1.0

D747

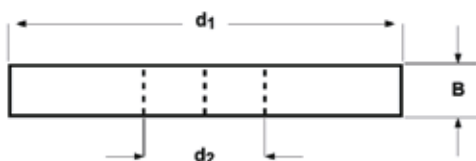


d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
160	1.2	32	160	D747160.0X1.2
160	1.5	32	160	D747160.0X1.5
160	1.6	32	160	D747160.0X1.6
160	2.0	32	128	D747160.0X2.0
160	2.5	32	128	D747160.0X2.5
160	3.0	32	128	D747160.0X3.0
160	4.0	32	100	D747160.0X4.0
160	5.0	32	100	D747160.0X5.0
160	6.0	32	100	D747160.0X6.0
200	1.0	32	200	D747200.0X1.0
200	1.2	32	200	D747200.0X1.2
200	1.5	32	160	D747200.0X1.5
200	1.6	32	160	D747200.0X1.6
200	2.0	32	160	D747200.0X2.0
200	2.5	32	160	D747200.0X2.5
200	3.0	32	128	D747200.0X3.0

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
200	4.0	32	128	D747200.0X4.0
200	5.0	32	128	D747200.0X5.0
200	6.0	32	100	D747200.0X6.0
250	2.0	32	200	D747250.0X2.0
250	2.5	32	160	D747250.0X2.5
250	3.0	32	160	D747250.0X3.0
250	4.0	32	160	D747250.0X4.0
250	5.0	32	128	D747250.0X5.0
250	6.0	32	128	D747250.0X6.0
315	2.5	40	200	D747315.0X2.5
315	3.0	40	200	D747315.0X3.0
315	4.0	40	160	D747315.0X4.0
315	5.0	40	160	D747315.0X5.0
315	6.0	40	160	D747315.0X6.0



- Pilky kotoučové
- Fém körfűrész
- Frezy pilkowe do metalu
- Freze disc
- Фреза дисковая отрезная
- žaga krožna



D745



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

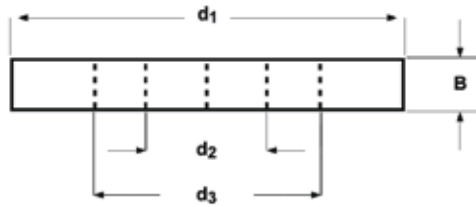
d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
50	0.5	13	48	D74550.0X.5
50	0.6	13	48	D74550.0X.6
50	0.8	13	50	D74550.0X.8
50	1.0	13	40	D74550.0X1.0
50	1.2	13	40	D74550.0X1.2
50	1.5	13	32	D74550.0X1.5
50	1.6	13	32	D74550.0X1.6
50	2.0	13	32	D74550.0X2.0
50	2.5	13	32	D74550.0X2.5
50	3.0	13	24	D74550.0X3.0
63	0.5	16	64	D74563.0X.5
63	0.6	16	48	D74563.0X.6
63	0.8	16	48	D74563.0X.8
63	1.0	16	48	D74563.0X1.0
63	1.2	16	40	D74563.0X1.2
63	1.5	16	40	D74563.0X1.5
63	1.6	16	40	D74563.0X1.6
63	2.0	16	40	D74563.0X2.0
63	2.5	16	32	D74563.0X2.5
63	3.0	16	32	D74563.0X3.0
80	0.5	22	64	D74580.0X.5
80	0.6	22	64	D74580.0X.6
80	0.8	22	64	D74580.0X.8
80	1.0	22	48	D74580.0X1.0
80	1.2	22	48	D74580.0X1.2
80	1.5	22	48	D74580.0X1.5
80	1.6	22	48	D74580.0X1.6
80	2.0	22	40	D74580.0X2.0
80	2.5	22	40	D74580.0X2.5
80	3.0	22	40	D74580.0X3.0
80	4.0	22	32	D74580.0X4.0
80	5.0	22	32	D74580.0X5.0
80	6.0	22	32	D74580.0X6.0
100	0.5	22	80	D745100.0X.5
100	0.6	22	80	D745100.0X.6
100	0.8	22	64	D745100.0X.8
100	1.0	22	64	D745100.0X1.0
100	1.2	22	64	D745100.0X1.2
100	1.5	22	48	D745100.0X1.5
100	1.6	22	48	D745100.0X1.6
100	2.0	22	48	D745100.0X2.0
100	2.5	22	48	D745100.0X2.5

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
100	3.0	22	40	D745100.0X3.0
100	4.0	22	40	D745100.0X4.0
100	5.0	22	40	D745100.0X5.0
100	6.0	22	32	D745100.0X6.0
125	1.0	22	80	D745125.0X1.0
125	1.2	22	64	D745125.0X1.2
125	1.5	22	64	D745125.0X1.5
125	1.6	22	64	D745125.0X1.6
125	2.0	22	64	D745125.0X2.0
125	2.5	22	48	D745125.0X2.5
125	3.0	22	48	D745125.0X3.0
125	4.0	22	48	D745125.0X4.0
125	5.0	22	40	D745125.0X5.0
125	6.0	22	40	D745125.0X6.0
160	1.0	32	80	D745160.0X1.0
160	1.2	32	80	D745160.0X1.2
160	1.5	32	80	D745160.0X1.5
160	1.6	32	80	D745160.0X1.6
160	2.0	32	64	D745160.0X2.0
160	2.5	32	64	D745160.0X2.5
160	3.0	32	64	D745160.0X3.0
160	4.0	32	48	D745160.0X4.0
160	5.0	32	48	D745160.0X5.0
160	6.0	32	48	D745160.0X6.0
200	1.0	32	100	D745200.0X1.0
200	1.2	32	100	D745200.0X1.2
200	1.5	32	80	D745200.0X1.5
200	1.6	32	80	D745200.0X1.6
200	2.0	32	80	D745200.0X2.0
200	2.5	32	80	D745200.0X2.5
200	3.0	32	64	D745200.0X3.0
200	4.0	32	64	D745200.0X4.0
200	5.0	32	64	D745200.0X5.0
200	6.0	32	48	D745200.0X6.0
250	2.0	32	80	D745250.0X2.0
250	2.5	32	80	D745250.0X2.5
250	3.0	32	80	D745250.0X3.0
250	4.0	32	80	D745250.0X4.0
250	5.0	32	64	D745250.0X5.0
250	6.0	32	64	D745250.0X6.0
315	2.5	40	100	D745315.0X2.5
315	3.0	40	100	D745315.0X3.0

D750 / D751

DORMER

- Pilky kotoučové
- Fém körfűrész
- Frezy pilkowe do metalu
- Freze disc
- Фреза дисковая отрезная
- žaga krožna



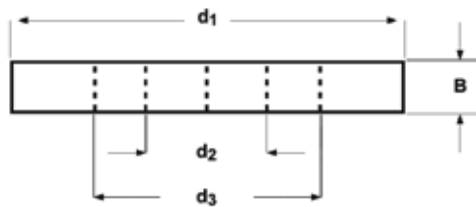
D750



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

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
200	1.8	32	128	5	95	D750200.0X1.8
225	2.0	32	140	5	95	D750225.0X2.0
250	2.0	32	160	5	95	D750250.0X2.0
275	2.5	32	180	5	105	D750275.0X2.5

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
300	2.5	32	180	5	105	D750300.0X2.5
315	2.5	32	200	5	105	D750315.0X2.5
350	2.5	32	220	5	110	D750350.0X2.5



D751

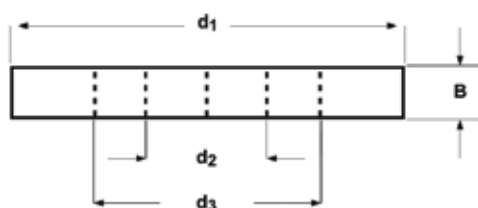


■ 1.1 1.2 1.3 2.1 3.1 3.2 3.3 4.1 4.2 5.1 5.2 6.1 6.2 6.3 7.1 7.2 7.3 8.1

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
200	1.8	32	160	4	95	D751200.0X1.8X160
200	1.8	32	200	3	95	D751200.0X1.8X200
225	2.0	32	180	4	95	D751225.0X2.0X180
225	2.0	32	220	3	95	D751225.0X2.0X220
250	2.0	32	200	4	95	D751250.0X2.0X200
250	2.0	32	250	3	95	D751250.0X2.0X250
275	2.5	32	220	4	105	D751275.0X2.5X220
275	2.5	32	280	3	105	D751275.0X2.5X280

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
300	2.5	32	220	4	105	D751300.0X2.5X220
300	2.5	32	300	3	105	D751300.0X2.5X300
315	2.5	32	240	4	105	D751315.0X2.5X240
315	2.5	32	320	3	105	D751315.0X2.5X320
350	2.5	32	280	4	110	D751350.0X2.5X280
350	2.5	32	350	3	110	D751350.0X2.5X350

- Pilky kotoučové
- Fém körfűrész
- Frezy pilkowe do metalu
- Freze disc
- Фреза дисковая отрезная
- žaga krožna



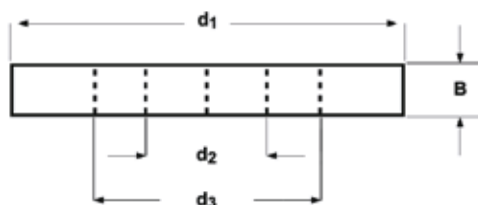
D752



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

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
200	1.8	32	80	8	95	D752200.0X1.8X80
200	1.8	32	100	6	95	D752200.0X1.8X100
225	2.0	32	90	8	95	D752225.0X2.0X90
225	2.0	32	120	6	95	D752225.0X2.0X120
250	2.0	32	128	6	95	D752250.0X2.0X128
275	2.5	32	110	8	105	D752275.0X2.5X110

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
300	2.5	32	160	6	105	D752300.0X2.5X160
315	2.5	32	160	6	105	D752315.0X2.5X160
350	2.5	32	180	6	110	D752350.0X2.5X180



D753



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

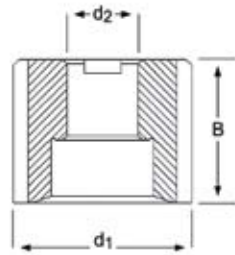
d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
250	2.0	32	100	8	95	D753250.0X2.0
300	2.5	32	120	8	105	D753300.0X2.5

d ₁ Ø mm	B mm	d ₂ Ø mm	z	P mm	d ₃ Ø mm	e-Code
315	2.5	32	120	8	105	D753315.0X2.5
350	2.5	32	140	8	110	D753350.0X2.5

D400 / D420

DORMER

- Nástrčné frézy
- Feltűzhető Páncélmáró
- Frezy nasadzane czolowo-walcowe
- Freze cilindrice cu alezaj
- Насадные концевые фрезы
- rezkar nasadni



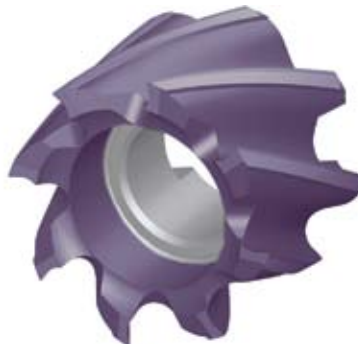
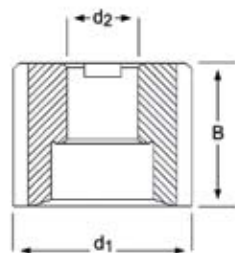
D400



■	1.1	1.2	1.3	1.4	2.1	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.2	7.3
•	1.5	1.6	2.2	4.2	4.3	5.2	5.3	6.4	7.1	7.4	8.1	8.2	8.3	10.1			

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
40.00	32	16	8	D40040.0
50.00	36	22	8	D40050.0
63.00	40	27	8	D40063.0
80.00	45	27	10	D40080.0

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
100.00	50	32	12	D400100.0



D420

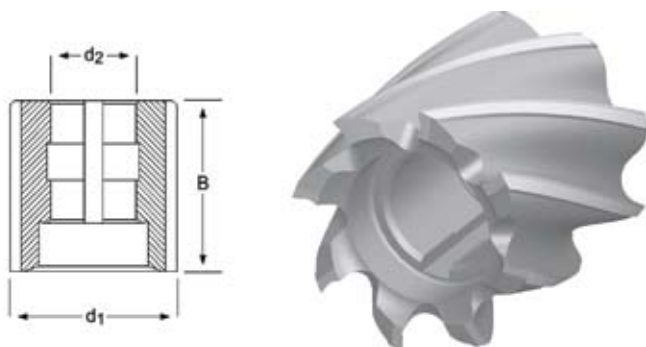


■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.2	7.3	7.4	8.1	10.1												
•	7.1	8.2	8.3																	

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
40.00	32	16	8	D42040.0
50.00	36	22	8	D42050.0
63.00	40	27	8	D42063.0
80.00	45	27	10	D42080.0

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
100.00	50	32	12	D420100.0

- Nástrčné frézy
- Feltűzhető Páncélmaró
- Frezy nasadzane czolowo-walcowe
- Freze cilindrice cu alezaj
- Насадные концевые фрезы
- rezkar nasadni

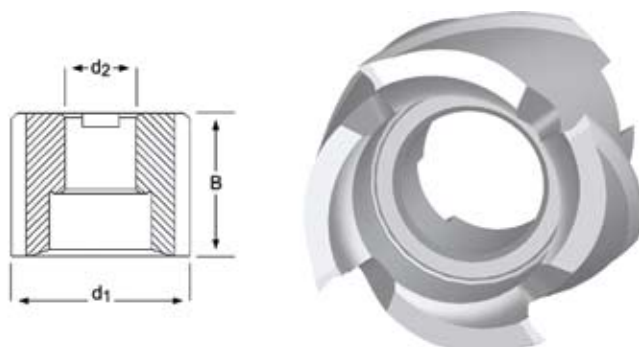


D413



■	1.1	1.2	1.3	1.4	2.1	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.2	7.3
•	1.5	1.6	2.2	4.2	4.3	5.2	5.3	6.4	7.1	7.4	8.1	8.2	8.3	10.1			

d ₁ Ø mm	B	d ₂ Ø _{h7} mm	z	e-Code	d ₁ Ø mm	B	d ₂ Ø _{h7} mm	z	e-Code
35.00	35	16	6	D41335.0	50.00	50	22	6	D41350.0
40.00	40	16	6	D41340.0	60.00	60	27	8	D41360.0



D401



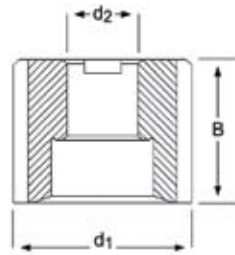
■	1.1	1.2	2.1	4.1	5.1	6.1	6.2	6.3	7.1	7.2	7.3							
●	1.3	1.4	1.5	2.2	2.3	3.1	3.2	3.3	3.4	4.2	4.3	5.2	5.3	6.4	7.4	8.1	8.2	8.3

d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code	d ₁ Ø mm	B	d ₂ Ø mm	z	e-Code
40.00	32	16	4	D40140.0	100.00	50	32	6	D401100.0
50.00	36	22	4	D40150.0					
63.00	40	27	4	D40163.0					
80.00	45	27	6	D40180.0					

D402 / D422

DORMER

- Nástrčné frézy
- Feltűzhető Páncélmáró
- Frezy nasadzane czolowo-walcowe
- Freze cilindrice cu alezaj
- Насадные концевые фрезы
- rezkar nasadni



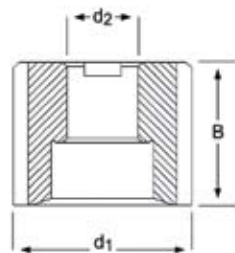
D402



■	1.1	1.2	1.3	1.4	2.1	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.2	7.3
●	1.5	1.6	2.2	4.2	4.3	5.2	5.3	6.4	7.1	7.4	8.1	8.2	8.3	10.1			

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
40.00	32	16	6	D40240.0
50.00	36	22	6	D40250.0
63.00	40	27	8	D40263.0
80.00	45	27	8	D40280.0

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
100.00	50	32	10	D402100.0
125.00	56	40	12	D402125.0



D422

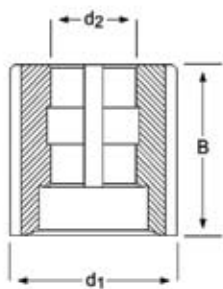


■	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1
	6.2	6.3	6.4	7.2	7.3	7.4	8.1	10.1												
●	7.1	8.2	8.3																	

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
40.00	32	16	6	D42240.0
50.00	36	22	6	D42250.0
63.00	40	27	8	D42263.0
80.00	45	27	8	D42280.0

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
100.00	50	32	10	D422100.0

- Nástrčné frézy
- Feltűzhető Páncélmáró
- Frezy nasadzane czolowo-walcowe
- Freze cilindrice cu alezaj
- Насадные концевые фрезы
- rezkar nasadni



D412



■	1.1	1.2	1.3	1.4	2.1	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.2	7.3
●	1.5	1.6	2.2	4.2	4.3	5.2	5.3	6.4	7.1	7.4	8.1	8.2	8.3	10.1			

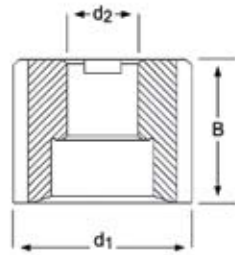
d_1 Ø mm	B	d_2 Ø mm	z	e-Code
40.00	40	16	6	D41240.0
50.00	50	22	8	D41250.0

d_1 Ø mm	B	d_2 Ø mm	z	e-Code
60.00	60	27	10	D41260.0

D403 / D423

DORMER

- Nástrčné frézy
- Feltűzhető Páncélmaró
- Frezy nasadzane czolowo-walcowe
- Freze cilindrice cu alezaj
- Насадные концевые фрезы
- rezkar nasadni



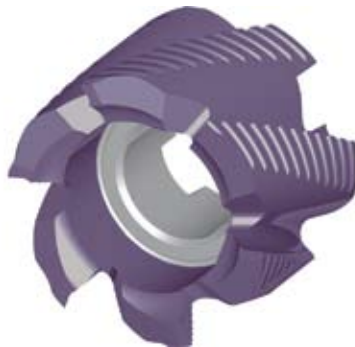
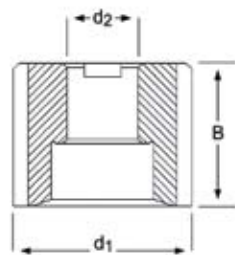
D403



■	1.1	1.2	1.3	1.4	2.1	2.3	3.1	3.2	3.3	3.4	4.1	5.1	6.1	6.2	6.3	7.2	7.3
●	1.5	1.6	2.2	4.2	4.3	5.2	5.3	6.4	7.1	7.4	8.1	8.2	8.3	10.1			

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
40.00	32	16	6	D40340.0
50.00	36	22	6	D40350.0
63.00	40	27	8	D40363.0
80.00	45	27	8	D40380.0

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
100.00	50	32	10	D403100.0
125.00	56	40	12	D403125.0



D423



■	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	7.2	7.3	7.4	8.1	10.1												
●	7.1	8.2	8.3																	

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
40.00	32	16	6	D42340.0
50.00	36	22	6	D42350.0
63.00	40	27	8	D42363.0
80.00	45	27	8	D42380.0

d ₁ Ø mm	B mm	d ₂ Ø mm	z	e-Code
100.00	50	32	10	D423100.0

