

DIAP Tools, s.r.o.

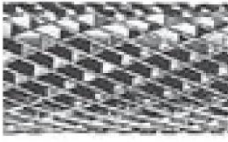
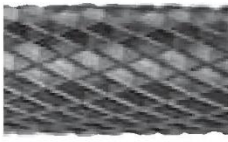
TECHNICKÉ FRÉZY



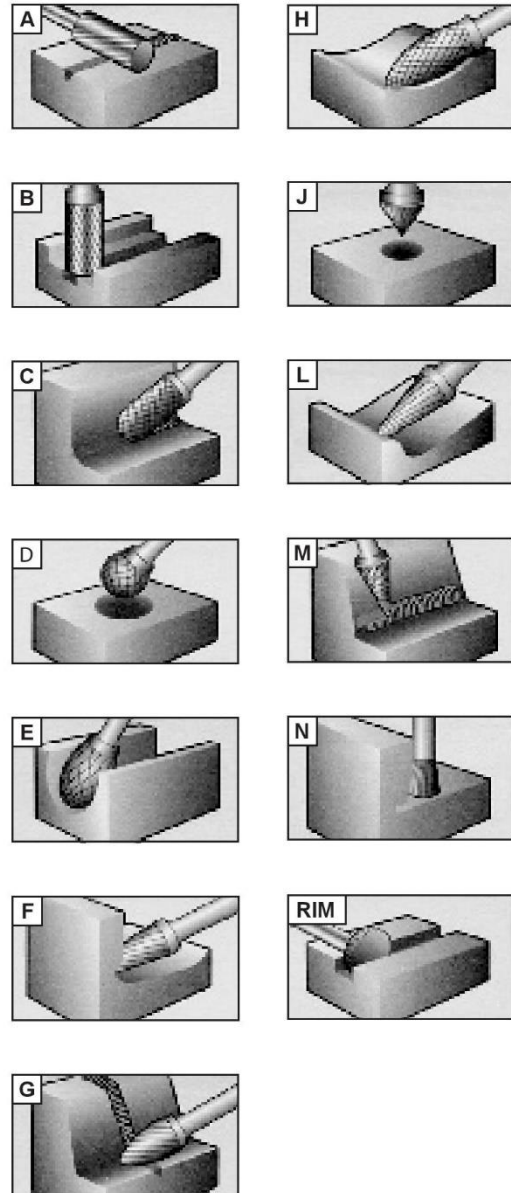
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diaptools@seznam.cz
www.diap.cz

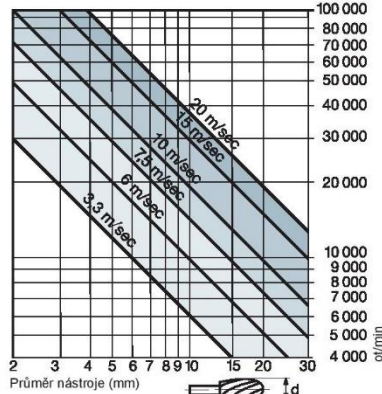
Tvrdokovové technické frézy

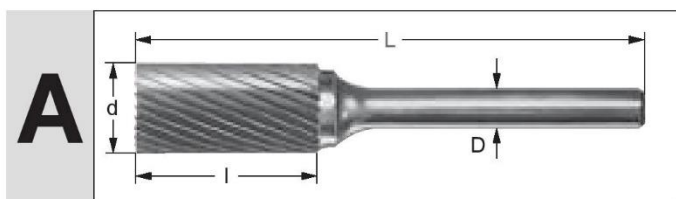
Typy ozubení

N	Normální ozubení
	Rovnoměrný řez při vysokém úběru materiálu.
NK	Křížové ozubení
	Velmi dobrý úběr, hladký chod, tvorba drobné třísky.
NKG	Hrubé křížové ozubení
	Hrubší křížové ozubení vhodné pro tvrdé materiály.
NKD	Speciální ozubení
	Má silnější formace zubu (úhel 90 °) ve srovnání s konvenčními typy a až o 50 ° větší životnost. Nabízí vyšší produktivitu na oceli, nerezové oceli, litiny a jiných.
GA	Hrubé ozubení
	Velký prostor v ozubení na odvod třísky, použití pro hliník, barevné kovy, plasty.

Tvar



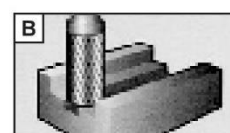
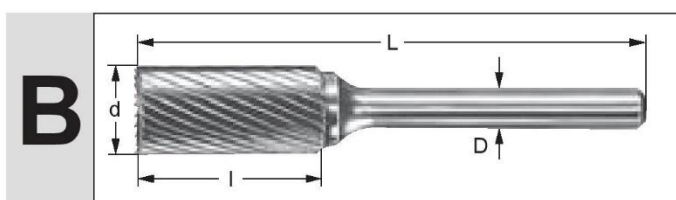
Materiál		Efektivní pracovní rychlost (typická)
Nerezové oceli, lité oceli, ocelové nad 500 N/mm ² .	N, NK, NKG, NKD	
Nerezové oceli, lité oceli, ocelové nad 500 N/mm ² .	G	
Šedé litiny, NF kovy, vysoce houževnatý materiál.	N, NK	
Hliníkové slitiny.	G, GA	
Litá ocel, svary, vysokopevnostní kalené oceli, automatová ocel.	N, NK	
Tvrzené oceli a vysoce pevné materiály.	N, NK, NKD	
Obecné pravidlo: Čím tvrdší materiál, tím použít jemnější ozubení. Čím jemnější ozubení, tím hladší povrch.		



Technická fréza válcová

Typ		A1100	A1200	A1240	A1300	A1400	A1500
d x l mm		2,4 x 13	3 x 13	6 x 13	4 x 13	6 x 19	8 x 19
D x L mm		2,4 x 38	3 x 38	3 x 45	4 x 50	6 x 50	6 x 65
	N	912 000	912 003	912 006	912 009	912 012	912 015
	NK	912 002	912 005	912 008	912 011	912 014	912 017
	NKD	-	-	-	-	-	-
	NKG	-	-	-	-	912 013	-

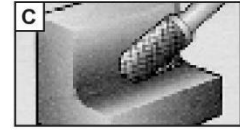
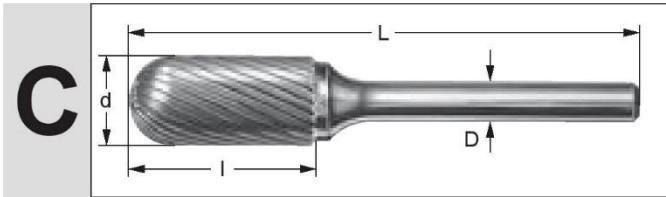
Typ		A1600	A1700	A170061	A170081	A18006	A18008
d x l mm		10 x 19	12 x 19	12 x 25	12 x 25	16 x 25	16 x 25
D x L mm		6 x 65	6 x 65	6 x 70	8 x 70	6 x 70	8 x 70
	N	912 018	912 022	912 025	912 029	912 033	912 036
	NK	912 021	912 024	912 027	912 031	912 035	912 038
	NKD	-	-	912 028	-	-	-
	NKG	912 019	-	-	-	-	-



Technická fréza válcová s čelním břitem

Typ		B1102	B1202	B1242	B1302	B1402	B1502
d x l mm		2,4 x 13	3 x 13	6 x 13	4 x 13	6 x 19	8 x 19
D x L mm		2,4 x 38	3 x 38	3 x 45	4 x 50	6 x 50	6 x 65
	N	912 039	912 042	912 045	912 048	912 051	912 054
	NK	912 041	912 044	912 047	912 050	912 053	912 056
	NKD	-	-	-	-	-	-
	NKG	-	-	-	-	-	-

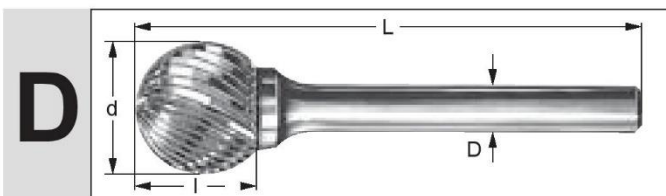
Typ		B1602	B1702	B170261	B170281	B18026	B18028
d x l mm		10 x 19	12 x 19	12 x 25	12 x 25	16 x 25	16 x 25
D x L mm		6 x 65	6 x 65	6 x 70	8 x 70	6 x 70	6 x 70
	N	912 057	912 061	912 064	912 068	912 072	912 075
	NK	912 059	912 063	912 066	912 070	912 074	912 077
	NKD	912 060	-	912 067	-	-	-
	NKG	-	-	-	-	-	-



Technické frézy válcové s rádiusem

Typ		C3200	C3240	C3400	C3500	C3600
d x l mm		3 x 13	6 x 13	6 x 19	8 x 19	10 x 19
D x L mm		3 x 38	3 x 45	6 x 50	6 x 65	6 x 65
	N	912 099	912 102	912 105	912 108	912 112
	NK	912 101	912 104	912 107	912 110	912 114
	NKD	-	-	-	912 111	912 115
	NKG	912 100	-	912 106	-	912 113

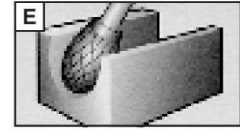
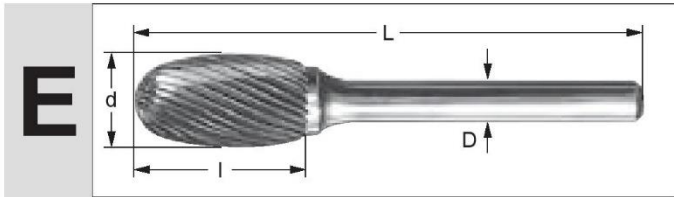
Typ		C3700	C370061	C370081	C38006	C38008
d x l mm		12 x 19	12 x 25	12 x 25	16 x 25	16 x 25
D x L mm		6 x 65	6 x 70	8 x 70	6 x 70	8 x 70
	N	912 116	912 120	912 124	912 128	912 132
	NK	912 118	912 122	912 126	912 130	912 134
	NKD	912 119	912 123	912 127	912 131	912 135
	NKG	912 117	912 121	-	-	-



Technické frézy kulové

Typ		D7200	D7240	D7300	D7400	D7500	D7600
d x l mm		3 x 2,7	6 x 5,4	4 x 3,6	6 x 5,4	8 x 7,2	10 x 9
D x L mm		3 x 38	3 x 38	3 x 45	6 x 50	6 x 52	6 x 53
	N	912 201	912 204	912 207	912 210	912 213	912 216
	NK	912 203	912 206	912 209	912 212	912 215	912 218
	NKD	-	-	-	-	-	912 219
	NKG	912 202	912 205	-	-	912 214	912 217

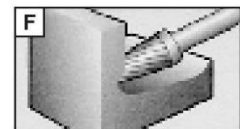
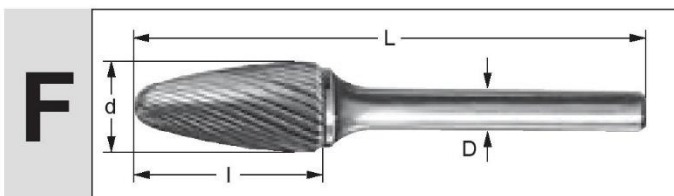
Typ		D77006	D77008	D78006	D78008	D79006	D79008
d x l mm		12 x 10,8	12 x 10,8	16 x 14,4	16 x 14,4	19 x 17,1	19 x 17,1
D x L mm		6 x 55	8 x 55	6 x 60	8 x 60	6 x 63	8 x 63
	N	912 220	912 224	912 228	912 231	912 234	912 236
	NK	912 222	912 226	912 230	912 233	-	-
	NKD	912 223	-	-	-	-	-
	NKG	912 221	-	-	-	-	-



Technické frézy eliptické

Typ		E5220	E5240	E5300	E5500
d x l mm		3 x 6	6 x 10	8 x 13	10 x 16
D x L mm		3 x 38	3 x 42	6 x 58	6 x 60
	N	912 267	912 270	912 273	912 276
	NK	912 269	912 272	912 275	912 278
	NKD	-	-	-	912 279
	NKG	-	-	-	912 277

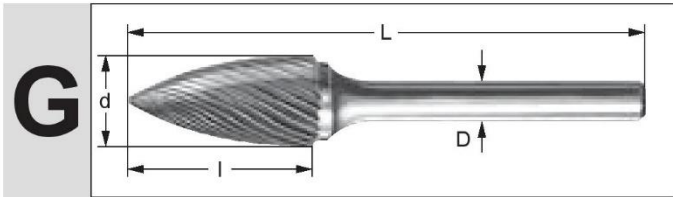
Typ		E57006	E57008	E58006	E58008
d x l mm		12 x 22	12 x 22	16 x 25	16 x 25
D x L mm		6 x 67	8 x 67	6 x 70	8 x 70
	N	912 280	912 284	912 288	912 291
	NK	912 282	912 286	912 290	912 293
	NKD	912 283	-	-	-
	NKG	912 281	-	-	-



Technické frézy stromečkové s rádiusem

Typ		F9200	F9240	F9400	F9600
d x l mm		3 x 13	6 x 13	6 x 16	10 x 19
D x L mm		3 x 38	3 x 45	6 x 50	6 x 65
	N	912 238	912 241	912 244	912 247
	NK	912 240	912 243	912 246	912 249
	NKD	-	-	-	912 250
	NKG	-	-	912 245	912 248

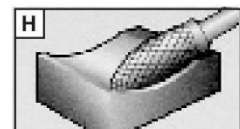
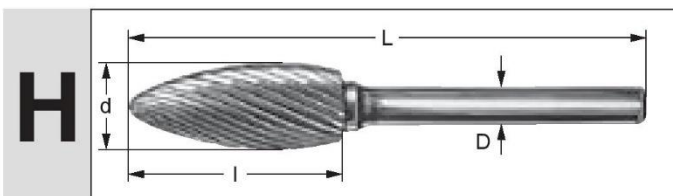
Typ		F97006	F97008	F98006	F98008
d x l mm		12 x 25	12 x 25	16 x 25	16 x 25
D x L mm		6 x 70	8 x 70	6 x 70	8 x 70
	N	912 251	912 255	912 259	912 263
	NK	912 253	912 257	912 261	912 265
	NKD	912 254	912 258	912 262	912 266
	NKG	912 252	-	-	-



Technické frézy stromečkové se špičkou

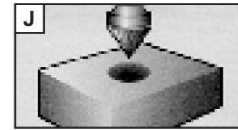
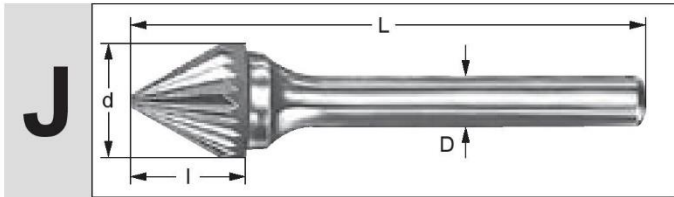
Typ		G6200	G6240	G6400	G6500	G6700
d x l mm		3 x 13	6 x 13	6 x 16	10 x 19	12 x 19
D x L mm		3 x 38	3 x 45	6 x 50	6 x 65	6 x 65
	N	912 172	912 175	912 178	912 181	912 184
	NK	912 174	912 177	912 180	912 183	912 186
	NKD	-	-	-	-	-
	NKG	-	-	912 179	912 182	-

Typ		G68006	G68008	G69006	G69008
d x l mm		12 x 25	12 x 25	16 x 25	16 x 25
D x L mm		6 x 70	8 x 70	6 x 70	8 x 70
	N	912 187	912 191	912 195	912 198
	NK	912 189	912 193	912 197	912 200
	NKD	912 190	-	-	-
	NKG	912 188	-	-	-



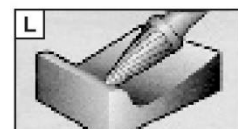
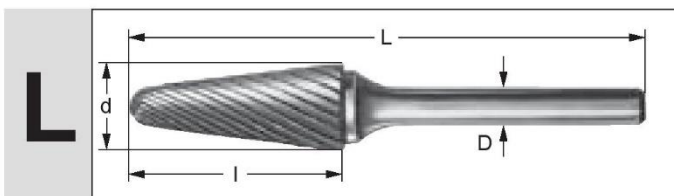
Technické frézy plaménkové

Typ		H5200	H5400	H5550	H56006	H56008
d x l mm		3 x 8	6 x 14	8 x 19	12 x 32	12 x 32
D x L mm		3 x 38	6 x 50	6 x 65	6 x 77	8 x 77
	N	912 294	912 297	912 300	912 303	912 307
	NK	912 296	912 299	912 302	912 305	912 309
	NKD	-	-	-	912 306	-
	NKG	-	-	912 301	912 304	-



Technické frézy záhlubník 60°, 90°

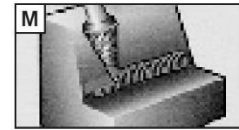
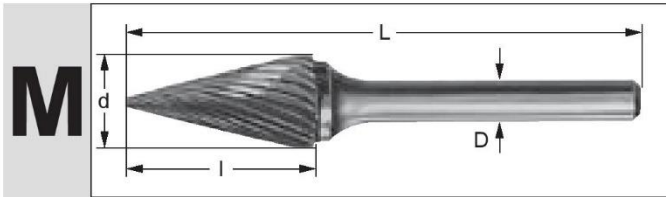
Typ		J2900	J2000	J2800
d x l mm		12 x 11	10 x 5	16 x 8
D x L mm		6 x 60	6 x 55	6 x 60
	N	912 311	912 314	912 315
	NK	912 313	-	-
	NKD	-	-	-
	NKG	-	-	-



Technické frézy kuželové s rádiusem

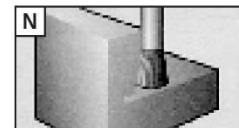
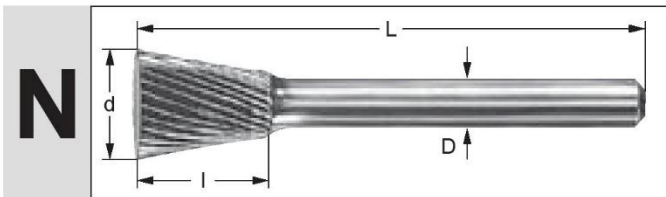
Typ		L4200	L4240	L4400	L4600	L46001
d x l mm		3 x 8	6 x 13	6 x 16	10 x 19	10 x 27
D x L mm		3 x 38	3 x 45	6 x 50	6 x 65	6 x 75
	N	912 138	912 139	912 142	912 145	912 150
	NK	912 472	912 141	912 144	912 147	912 473
	NKD	-	-	-	-	912 151
	NKG	-	-	-	912 146	-

Typ		L4700	L47008	L48006	L48008
d x l mm		12 x 30	12 x 30	16 x 33	16 x 33
D x L mm		6 x 75	8 x 75	6 x 78	8 x 78
	N	912 152	912 156	912 160	912 163
	NK	912 154	912 158	912 162	912 165
	NKD	912 155	-	-	-
	NKG	912 153	-	-	-



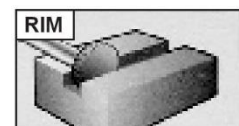
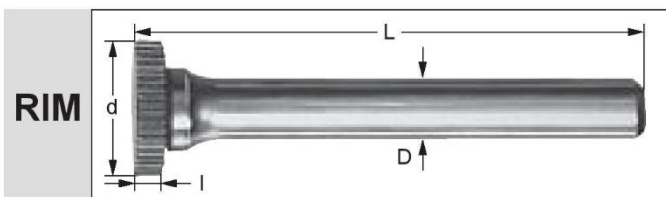
Technické frézy kuželové

Typ	M2200	M2240	M2400	M2600	M2700	M270061	M270081
d x l mm	3 x 11	6 x 13	6 x 19	10 x 16	12 x 19	12 x 22	12 x 22
D x L mm	3 x 38	3 x 45	6 x 50	6 x 65	6 x 65	6 x 70	8 x 70
Úhel	14°	22°	14°	28°	35°	28°	28°
	N	912 078	912 081	-	912 087	912 090	912 093
	NK	912 352	912 083	912 086	-	-	912 095
	NKG	-	-	-	-	912 094	-



Technické frézy obrácený kužel

Typ	N8200	N8400	N85006	N85008
d x l mm	3 x 7	6 x 7	12 x 13	12 x 13
D x L mm	3 x 38	6 x 50	6 x 58	8 x 58
Úhel	10°	10°	20°	20°
	N	912 316	912 319	912 322
	NK	912 318	912 321	912 324



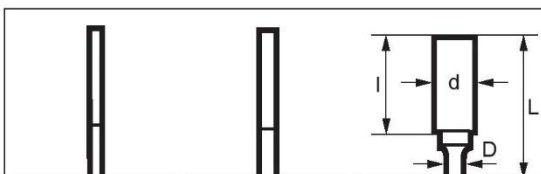
RIM

Typ	RIM8240	RIM8700	RIM8100	RIM9100
d x l mm	10 x 1,6	12 x 2,6	25 x 5,2	25 x 6,3
D x L mm	3 x 34	6 x 48	8 x 50	8 x 51
	N	912 166	912 168	912 169

Miniaturní technické frézy

A

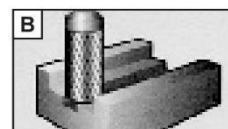
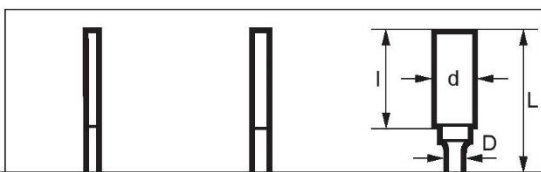
Miniature



Typ		AMINI1100	AMINI1200	AMINI1240
d x l mm		2,4 x 13	3 x 13	6 x 13
D x L mm		2,4 x 38	3 x 38	3 x 45
	N	912 000	912 003	912 006
	NK	912 002	912 005	912 008
	NKD	-	-	-
	NKG	-	-	-

B

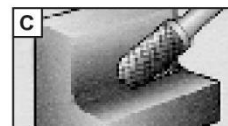
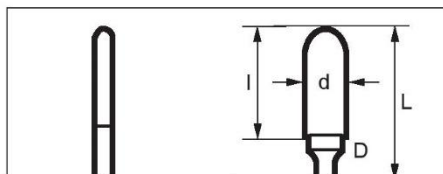
Miniature



Typ		BMINI1102	BMINI1202	BMINI1242
d x l mm		2,4 x 13	3 x 13	6 x 13
D x L mm		2,4 x 38	3 x 38	3 x 45
	N	912 039	912 042	912 045
	NK	912 041	912 044	912 047
	NKD	-	-	-
	NKG	-	-	-

C

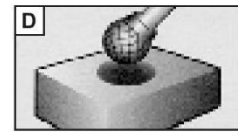
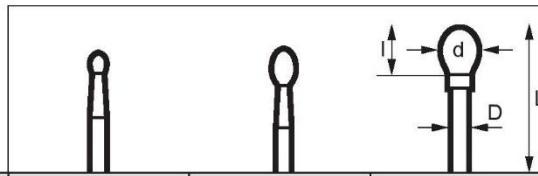
Miniature



Typ		CMINI3200	CMINI3240
d x l mm		3 x 13	6 x 13
D x L mm		3 x 38	3 x 45
	N	912 099	912 102
	NK	912 101	912 104
	NKD	-	-
	NKG	-	-

D

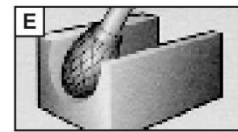
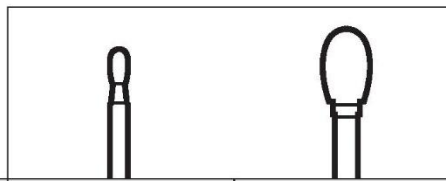
Miniature



Typ		DMINI7200	DMINI7300	DMINI7240
d x l mm		3 x 2,7	4 x 3,6	6 x 5,4
D x L mm		3 x 38	3 x 45	3 x 38
	N	912 201	912 207	912 204
	NK	912 203	912 209	912 206
	NKD	-	-	-
	NKG	912 202	-	912 205

E

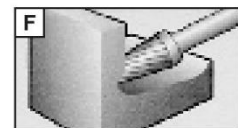
Miniature



Typ		EMINI5240	EMINI5220
d x l mm		6 x 10	3 x 6
D x L mm		3 x 42	3 x 38
	N	912 270	912 267
	NK	912 272	912 269
	NKD	-	-
	NKG	-	-

F

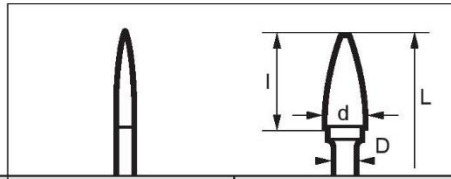
Miniature



Typ		FMINI9200	FMINI9240
d x l mm		3 x 13	6 x 13
D x L mm		3 x 38	3 x 45
	N	912 238	912 241
	NK	912 240	912 243
	NKD	-	-
	NKG	-	-

G

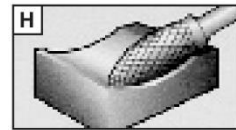
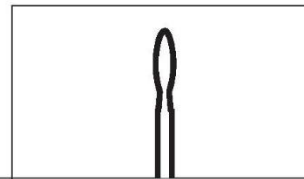
Miniature



Typ		GMINI6200	GMINI6240
d x l mm		3 x 13	6 x 13
D x L mm		3 x 38	3 x 45
	N	912 172	912 175
	NK	912 174	912 177
	NKD	-	-
	NKG	-	-

H

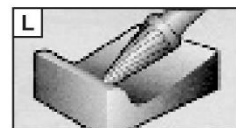
Miniature



Typ		HMINI5200
d x l mm		3 x 8
D x L mm		3 x 38
	N	912 294
	NK	912 296
	NKD	-
	NKG	-

L

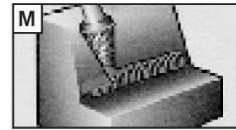
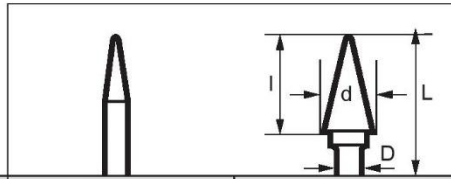
Miniature



Typ		LMINI4200	LMINI4240
d x l mm		3 x 8	6 x 13
D x L mm		3 x 38	3 x 45
	N	912 138	912 139
	NK	912 472	912 141
	NKD	-	-
	NKG	-	-

M

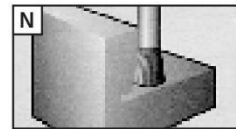
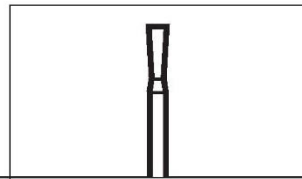
Miniature



Typ		MMINI2200	MMINI2240
d x l mm		3 x 11	6 x 13
D x L mm		3 x 38	3 x 45
	N	912 078	912 081
	NK	912 352	912 083
	NKD	-	-
	NKG	-	-

N

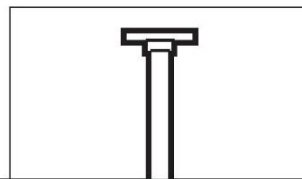
Miniature



Typ		NMINI8200
d x l mm		3 x 7
D x L mm		3 x 38
	N	912 316
	NK	912 318
	NKD	-
	NKG	-

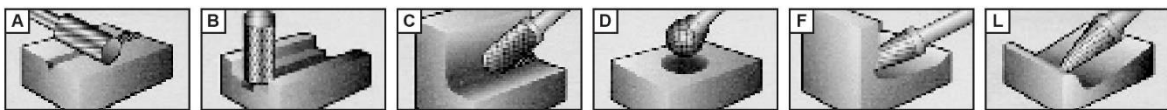
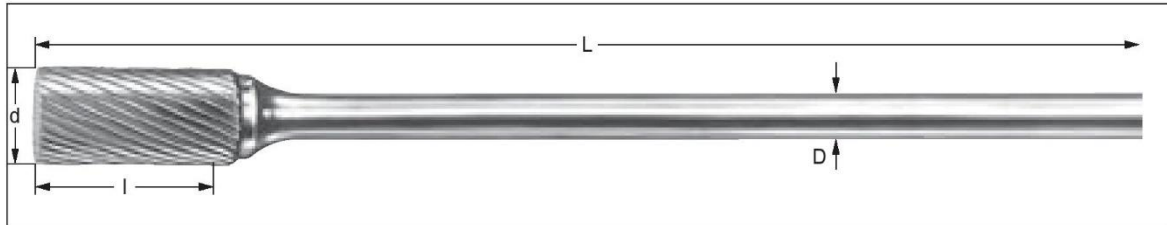
RIM

Miniature



Typ		RMINI8240
d x l mm		10 x 1,6
D x L mm		3 x 34
	N	912 166
	NK	-
	NKD	-
	NKG	-

Technické frézy s dlouhou stopkou



Dlouhé s rovným čelem

Typ		AXL1100	AXL1200	AXL1300	AXL1400
d x l mm		2,4 x 13	3 x 13	4 x 13	6 x 19
D x L mm		2,4 x 63	3 x 63	4 x 63	6 x 75
	N	-	-	-	912 413
	NK	912 418	912 409	912 412	912 415
	NKG	-	-	-	-

Dlouhé s čelním sekem

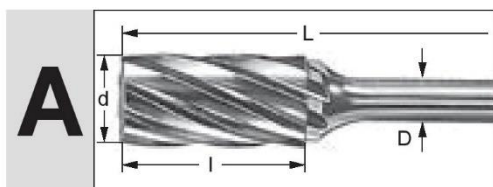
Typ		BXL1102	BXL1202	BXL1302	BXL1402
d x l mm		2,4 x 13	3 x 13	4 x 13	6 x 19
D x L mm		2,4 x 63	3 x 63	4 x 63	6 x 75
	N	-	-	-	912 425
	NK	912 418	912 419	912 420	-
	NKG	-	-	-	-

Extra dlouhá stopka - XL série

Typ		AXL1600	AXL1700	CXL3600	CXL3700	DXL7600	DXL7700
d x l mm		10 x 19	12 x 25	10 x 19	12 x 25	10 x 9	12 x 10,8
D x L mm		6 x 169	6 x 175	6 x 169	6 x 175	6 x 159	6 x 160,8
	N	912 429	912 431	912 433	912 435	912 445	912 447
	NK	912 430	912 432	912 434	912 436	912 446	912 448

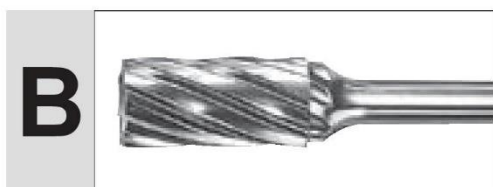
Typ		GXL6500	GX6800	FXL9600	FXL9700	LXL4600	LXL4700
d x l mm		10 x 19	12 x 25	10 x 19	12 x 25	10 x 27	12 x 30
D x L mm		6 x 169	6 x 175	6 x 169	6 x 175	6 x 177	6 x 180
	N	912 441	912 443	912 449	912 451	912 437	912 439
	NK	912 442	912 444	912 450	912 452	912 438	912 440

Technické frézy na hliník



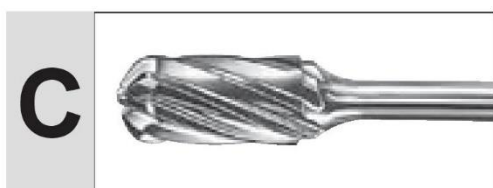
Válcové

Typ		B260GA	B270GA	B280GA
d x l mm		10 x 19	12 x 25	16 x 25
D x L mm		6 x 65	6 x 70	8 x 70
	GA	912 469	912 470	912 471



Válcové s čelním břitem

Typ		A160GA	A170GA	A180GA
d x l mm		10 x 19	12 x 25	16 x 25
D x L mm		6 x 65	6 x 70	8 x 70
	GA	912 466	912 467	912 468



Válcové s rádiusem

Typ		C360GA	C370GA	C380GA
d x l mm		10 x 19	12 x 25	16 x 25
D x L mm		6 x 65	6 x 70	8 x 70
	GA	912 453	912 454	912 455



Kulové

Typ		D760GA	D770GA	D770GA	D780GA	D780GA
d x l mm		10 x 9	12 x 10,8	12 x 10,8	16 x 14,4	16 x 14,4
D x L mm		6 x 53	8 x 55	6 x 60	8 x 55	6 x 60
	GA	912 457	912 332	912 458	912 334	912 459



Stromečkové s rádiusem

Typ		F960GA	F970GA	F980GA
d x l mm		10 x 19	12 x 25	16 x 25
D x L mm		6 x 65	6 x 70	8 x 70
	GA	912 463	912 464	912 465



Kruželové s rádiusem

Typ		L460GA	L470GA	L480GA
d x l mm		10 x 25	12 x 30	16 x 33
D x L mm		6 x 75	6 x 75	8 x 78
	GA	912 460	912 461	912 462