

B400	138
B411	142
B441	141

B442	143
B481	139

G400	169
G405	170



B100	144
B101	162
B121	164
B122	152
B157	159
B161	160
B170	156

B180	154
B301	149
B334	146
B335	147
B901	148
B903	150
B952	151

B953	153
B954	165
B955	166
B956	167
B957	168

G125	184
G129	174
G132	179
G135	171
G136	176
G137	172
G138	180
G142	176
G149	175
G154	173
G171	181
G236	185
G314	183
G335	171
G338	180
G560	176
G570	176
G600	178
M138	182

Anyag	Material	Material	Material
Bevonat	Acoperire	Prevleka	Coating
Szabvány	Standard	Standard	Standard
Írány	Direcție	Smer	Direction
Szár	Coadă	Steblo	Shank
Horony típus	Tip canal	Oblika vijačnice	Flute Style
Tűrés	Toleranță	Toleranca	Tolerance
Kúpos grádiens	Gradientul conului	Konus	Taper gradient
■ Kiváló alkalmazás	Excelent pentru aplicație	Odlično za uporabo	Excellent for Application
■ Jó alkalmazás	Bun pentru aplicație	Dobro za uporabo	Good for Application
Példa 10 = Kerületi sebesség méter / perc +/- 10%	Exemplu 10 = viteza de aşchiere în metrii pe minut +/- 10%	Primer: 10 = rezalna hitrost m/min +/- 10%	Example 10 = Peripheral speed in metres/minute +/- 10%
Kódok	Coduri	Kode	Product Codes
Választék	Gama	Območje	Range

AMG	Magyar	Romana	slovenščina	English
1.1	Lágy mágneses acél	Otel magnetic moale	Magnetno mehko jeklo	Magnetic soft steel
1.2	Szerkezeti acél	Otel structural, de cementare	Konstrukcijsko jeklo	Structural steel, case carburizing steel
1.3	Szénacél	Otel carbon	Ogljikovo jeklo	Plain Carbon steel
1.4	Ötvözött acél	Otel aliat	Legirano jeklo	Alloy steel
1.5	Ötvözött, edzett & hőkezelt acél	Otel aliat, imbunatatit	Legirano/kaljeno jeklo	Alloy steel, Hardened and tempered steel
1.6	Ötvözött, edzett & hőkezelt acél	Otel aliat, imbunatatit	Legirano/kaljeno jeklo	Alloy steel, Hardened and tempered steel
1.7	Ötvözött, edzett acél	Otel aliat, calit	Legirano jeklo kaljeno	Alloy steel, Heat treated
1.8	Ötvözött, edzett acél	Otel aliat, calit	Legirano jeklo kaljeno	Alloy steel, Hardened & Wear resistant steel
2.1	Rozsdamentes acél	Prelucrare libera	Prosto obdelano nerjavno jeklo	Free machining, Stainless Steel
2.2	Auszténites	Austenitic	Avstenitno jeklo	Austenitic
2.3	Ferrites + Auszténites	Feritic+austenitic	Feritno, avstenitno, martenzitno jeklo	Ferritic + Austenitic, Ferritic, Martensitic
2.4	Nemesített	Durificat prin precipitare	INOX - kaljen	Precipitation Hardened
3.1	Szürkeöntvény	Grafit lamelar	Siva litina, lamelarni grafit	Lamellar graphite
3.2	Szürkeöntvény	Grafit lamelar	Siva litina, legirana	Lamellar graphite
3.3	Gömbgrafitos öntvény	Grafit nodular	Nodularna litina/ temprana litina	Nodular graphite, Malleable Cast Iron
3.4	Gömbgrafitos öntvény	Grafit nodular	Nodularna, temprana litina	Nodular graphite, Malleable Cast Iron
4.1	Ötvöztelen	Nealial	Titan, nelegiran	Titanium, unalloyed
4.2	Ötvözött	Aliat	Titanove zlitine	Titanium, alloyed
4.3	Ötvözött	Aliat	Titanove zlitine	Titanium, alloyed
5.1	Ötvöztelen	Nealial	Nikelj, nelegiran	Nickel, unalloyed
5.2	Ötvözött	Aliat	Nikeljeve zlitine	Nickel, alloyed
5.3	Ötvözött	Aliat	Nikeljeve zlitine	Nickel, alloyed
6.1	Ötvöztelen	Nealial	Baker	Copper
6.2	β - Sárgaréz , Bronz	Alama, bronz	Medenina, bron	β-Brass, Bronze
6.3	CuZn Sárgaréz	Alama CuZn	Medenina	α-Brass
6.4	Nagy szilárdságú bronz	Bronz inalta rezistenta	Bron litine	High Strength Bronze
7.1	Al, Mg, ötvöztelen	Al, Mg nealial	Al, Mg nelegiran	Al, Mg, unalloyed
7.2	Al ötvözött, Si < 0.5%	Al aliat cu Si < 0.5%	Al legiran, Si < 0.5%	Al alloyed, Si < 0.5%
7.3	Al ötvözött, Si > 0.5% < 10%	Al aliat cu Si > 0.5% < 10%	Al legiran, Si > 0.5% < 10%	Al alloyed, Si > 0.5% < 10%
7.4	Al ötvözött, Si > 10%	Al aliat cu Si > 10%	Al legiran, Si > 10%	Al alloyed, Si > 10% Whisker reinforced Al-alloys Mg-alloys
8.1	Hőre lágyuló anyagok	Termoplastice	Termoplasti	Thermoplastics
8.2	Hőre keményedő anyagok	Termoreactive	Duroplasti	Thermosetting plastics
8.3	Erősített műanyag	Plastic armat	Bakelit	Reinforced plastic materials
9.1	Kemény anyagok (fém kerámia)	Cermet (metal ceramica)	Cermet	Cermets (metals-ceramics)
10.1	Standard grafit	Grafit standard	Standardni grafit	Graphite

	HM	HM	HM	HM	HM	HSS	HSS	HSS	HSS-E	HSS	HSS	HSS	HSS	
	DIN 8093	DIN 8093	DIN 8050	DIN 8094	DIN 8051	DIN 206	DOVUMER	DOVUMER	BS 328	BS 328	DIN 9	DIN 9	ANSI	
	B	B	A	B	A	B			B	A	A	B		
	H7	Ø 98-5.5 3-0.004 Ø5.51-12 0-0.005	H7	H7	H7	H7			H7					
										1:48	1:50	1:50		
	B400	B481	B441	B411	B442	B100	B334	B335	B901	B301	B903	B952	B122	
	1.00 - 20.00	0.98 - 12.05	10.00 - 20.00	5.00 - 30.00	10.00 - 20.00	1.50 - 50.00	N000 - N16	N000 BLADES - N16NUT	1.50 - 1/2	1/16 - 1/2	1.50 - 20.00	1.20 - 50.00	3/8 - 1.1/16	
AMG	138	138	141	142	143	144	146	147	148	149	150	151	152	ISO
1.1	18B	18B	18B	18B	18B	18C			18C	18C	18C	18C	18C	P 1
1.2	18B	18B	18B	18B	18B	14C			14C	14C	14C	14C	14C	P 1
1.3	14B	14B	14B	14B	14B	11C			11C	11C	11C	11C	11C	P 2
1.4	14B	14B	14B	14B	14B	10B			10B	10B	10B	10B	10B	P 3
1.5	10C	10C	10C	10C	10C	5B			5B	5B	5B	5B	5B	P 4
1.6	10C	10C	10C	10C	10C	4A			4A	4A	4A	4A	4A	H 1
1.7														H 3
1.8														H 4
2.1						8F			8C	3C	3C	3C	3C	M 1
2.2										5B	5B	5B	5B	M 3
2.3										6B	6B	6B	6B	M 2
2.4														S 2
3.1	17D	17D	17D	17D	17D	14E			14E	14E	14E	14E	14E	K 1
3.2	17D	17D	17D	17D	17D	11D			11D	11D	11D	11D	11D	K 2
3.3	17D	17D	17D	17D	17D	10C			10C	10C	10C	10C	10C	K 3
3.4	14D	14D	14D	14D	14D	9C			9C	9C	9C	9C	9C	K 4
4.1	14C	14C	14C	14C	14C	11C			11C	11C	11C	11C	11C	S 1
4.2	14C	14C	14C	14C	14C	5B			5B	5B	5B	5B	5B	S 2
4.3	10B	10B	10B	10B	10B	4B			4B	4B	4B	4B	4B	S 3
5.1	10C	10C	10C	10C	10C	5D			5D	5D	5D	5D	5D	S 1
5.2	10B	10B	10B	10B	10B	3C			3C					S 2
5.3	10B	10B	10B	10B	10B	2C			2C					S 3
6.1	38E	38E	38E	38E	38E	18D			18D	18D	18D	18D	18D	N 3
6.2	38E	38E	38E	38E	38E	20E			20E	20E	20E	20E	20E	N 4
6.3	38E	38E	38E	38E	38E	18D			18D	18D	18D	18D	18D	N 3
6.4	38D	38D	38D	38D	38D	11D			11D	11D	11D	11D	11D	N 4
7.1	60D	60D	60D	60D	60D	23F			23F	23F	23F	23F	23F	N 1
7.2	60D	60D	60D	60D	60D	18F			18F	18F	18F	18F	18F	N 1
7.3	25D	25D	25D	25D	25D					15E	15E	15E	15E	N 1
7.4	25D	25D	25D	25D	25D					14D	14D	14D	14D	N 2
8.1	25C	25C	25C	25C	25C									O
8.2	13C	13C	13C	13C	13C	21B			21B	21B	21B	21B	21B	O
8.3														O
9.1														H
10.1														O

Anyag	Material	Material	Material
Bevonat	Acoperire	Prevleka	Coating
Szabvány	Standard	Standard	Standard
Írány	Direcție	Smer	Direction
Alkalmazás	Aplicatie	Aplikacija	Application
Szár	Coadă	Steblo	Shank
Kúpsüllyesztő szöge	Unghi zencuire	Kot grezila	Countersink °
■ Kiváló alkalmazás	Excelent pentru aplicație	Odlično za uporabo	Excellent for Application
■ Jó alkalmazás	Bun pentru aplicație	Dobro za uporabo	Good for Application
Példa 10 = Kerületi sebesség méter / perc +/- 10%	Exemplu 10 = viteza de aşchiere în metrii pe minut +/- 10%	Primer: 10 = rezalna hitrost m/min +/- 10%	Example 10 = Peripheral speed in metres/minute +/- 10%
Kódok	Coduri	Kode	Product Codes
Választék	Gama	Območje	Range

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1.1	Lágy mágneses acél	Otel magnetic moale	Magnetno mehko jeklo	Magnetic soft steel
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1.3	Szénacél	Otel carbon	Ogljikovo jeklo	Plain Carbon steel
1.4	Ötvözött acél	Otel aliat	Legirano jeklo	Alloy steel
1.5	Ötvözött, edzett & hőkezelt acél	Otel aliat, imbunatatit	Legirano/kaljeno jeklo	Alloy steel, Hardened and tempered steel
1.6	Ötvözött, edzett & hőkezelt acél	Otel aliat, imbunatatit	Legirano/kaljeno jeklo	Alloy steel, Hardened and tempered steel
1.7	Ötvözött, edzett acél	Otel aliat, calit	Legirano jeklo kaljeno	Alloy steel, Heat treated
1.8	Ötvözött, edzett acél	Otel aliat, calit	Legirano jeklo kaljeno	Alloy steel, Hardened & Wear resistant steel
2.1	Rozsdamentes acél	Prelucrare libera	Prosto obdelano nerjavno jeklo	Free machining, Stainless Steel
2.2	Auszténites	Austenitic	Avstenitno jeklo	Austenitic
2.3	Ferites + Auszténites	Feritic+austenitic	Feritno, avstenitno, martenzitno jeklo	Ferritic + Austenitic, Ferritic, Martensitic
2.4	Nemesített	Durificat prin precipitare	INOX - kaljen	Precipitation Hardened
3.1	Szürkeöntvény	Grafit lamelar	Siva litina, lamelarni grafit	Lamellar graphite
3.2	Szürkeöntvény	Grafit lamelar	Siva litina, legirana	Lamellar graphite
3.3	Gömbgrafitos öntvény	Grafit nodular	Nodularna litina/ temprana litina	Nodular graphite, Malleable Cast Iron
3.4	Gömbgrafitos öntvény	Grafit nodular	Nodularna, temprana litina	Nodular graphite, Malleable Cast Iron
4.1	Ötvöztelen	Nealiat	Titan, nelegiran	Titanium, unalloyed
4.2	Ötvözött	Aliat	Titanove zlitine	Titanium, alloyed
4.3	Ötvözött	Aliat	Titanove zlitine	Titanium, alloyed
5.1	Ötvöztelen	Nealiat	Nikelj, nelegiran	Nickel, unalloyed
5.2	Ötvözött	Aliat	Nikeljeve zlitine	Nickel, alloyed
5.3	Ötvözött	Aliat	Nikeljeve zlitine	Nickel, alloyed
6.1	Ötvöztelen	Nealiat	Baker	Copper
6.2	β - Sárgaréz , Bronz	Alama, bronz	Medenina, bron	β-Brass, Bronze
6.3	CuZn Sárgaréz	Alama CuZn	Medenina	α-Brass
6.4	Nagy szilárdságú bronz	Bronz inalta rezistenta	Bron litine	High Strength Bronze
7.1	Al, Mg, ötvöztelen	Al, Mg nealiat	Al, Mg nelegiran	Al, Mg, unalloyed
7.2	Al ötvözött, Si < 0.5%	Al aliat cu Si < 0.5%	Al legiran, Si < 0.5%	Al alloyed, Si < 0.5%
7.3	Al ötvözött, Si > 0.5% < 10%	Al aliat cu Si > 0.5% < 10%	Al legiran, Si > 0.5% < 10%	Al alloyed, Si > 0.5% < 10%
7.4	Al ötvözött, Si > 10%	Al aliat cu Si > 10%	Al legiran, Si > 10%	Al alloyed, Si > 10% Whisker reinforced Al-alloys Mg-alloys
8.1	Hőre lágyuló anyagok	Termoplastice	Termoplasti	Thermoplastics
8.2	Hőre keményedő anyagok	Termoreactive	Duroplasti	Thermosetting plastics
8.3	Erősített műanyag	Plastic armat	Bakelit	Reinforced plastic materials
9.1	Kemény anyagok (fém kerámia)	Cermet (metal ceramica)	Cermet	Cermets (metals-ceramics)
10.1	Standard grafit	Grafit standard	Standardni grafit	Graphite

	HM	HM	HSS	HSS	HSS	HSS	HSS	HSS-E	HSS	HSS	HSS	
	DIN 335C	DIN 335	DIN 334C	DIN 334C	DIN 334D	DIN 335C	DORMER	DORMER	DIN 335C	DIN 335C	DIN 335C	
	G400	G405	G135	G335	G137	G154	G129	G149	G136	G560	G142	
	6.30 - 31.00	8.30 - 12.40	6.30 - 25.00	6.30 - 25.00	16.00 - 80.00	6.30 - 25.00	6.00 - 31.50	5.00 - 50.00	4.30 - 31.00	6.30 - 31.00	4.80 - 31.00	
AMG	169	170	171	171	172	173	174	175	176	176	176	ISO
1.1	■30F	■30F	■30F	■50E	■30F	■30F	■30D	■30D	■30F	■50E	■30F	P 1
1.2	■25E	■25E	■25E	■40E	■25E	■25E	■25D	■25D	■25E	■40E	■25E	P 1
1.3	■20D	■20D	■20D	■30D	■20D	■20D	■20C	■20C	■20D	■30D	■20D	P 2
1.4	■15D	■15D	■15D	■20D	■15D	■15D	■15B	■15B	■15D	■20D	■15D	P 3
1.5	■10B	■10B	■10B	■15B	■10B	■10B	■10A	■10A	■10B	■15B	■10B	P 4
1.6	■6A	■6A	■6A	■10B	■6A	■6A	■6A	■6A	■6A	■10B		H 1
1.7												H 3
1.8												H 4
2.1	■8C	■8C	■8C		■8C	■8C	■8B	■8B	■8C		■8C	M 1
2.2	■6B	■6B	■6B		■6B	■6B	■6A	■6A	■6B		■6B	M 3
2.3	■4A	■4A	■4A		■4A	■4A			■4A		■4A	M 2
2.4												S 2
3.1	■25F	■25F	■25F	■45F	■25F	■25F	■25D	■25D	■25F	■45F		K 1
3.2	■15D	■15D	■15D	■35D	■15D	■15D	■15C	■15C	■15D	■35D		K 2
3.3	■12C	■12C	■12C	■30C	■12C	■12C	■12A	■12A	■12C	■30C		K 3
3.4	■8C	■8C	■8C	■30C	■8C	■8C	■8A	■8A	■8C	■30C		K 4
4.1	■12C	■12C	■12C	■20C	■12C	■12C	■12B	■12B	■12C	■20C	■12C	S 1
4.2	■10A	■10A	■10A	■15A	■10A	■10A	■10A	■10A	■10A	■15A	■10A	S 2
4.3	■8A	■8A	■8A	■10A	■8A	■8A	■8A	■8A	■8A	■10A		S 3
5.1	■12C	■12C	■12C	■20C	■12C	■12C	■12B	■12B	■12C	■20C	■12C	S 1
5.2	■6B	■6B	■6B	■10B	■6B	■6B	■6A	■6A	■6B	■10B	■6B	S 2
5.3	■4A	■4A	■4A	■6A	■4A	■4A	■4A	■4A	■4A	■6A		S 3
6.1	■25D	■25D	■25D	■40D	■25D	■25D	■25B	■25B	■25D	■40D	■25D	N 3
6.2	■20F	■20F	■20F	■30F	■20F	■20F	■20C	■20C	■20F	■30F	■20F	N 4
6.3	■25F	■25F	■25F	■40F	■25F	■25F	■25C	■25C	■25F	■40F	■25F	N 3
6.4	■10D	■10D	■10D	■15D	■10D	■10D	■10B	■10B	■10D	■15D		N 4
7.1	■30G	■30G	■30G	■50G	■30G	■30G	■30D	■30D	■30G	■50G	■30G	N 1
7.2	■25F	■25F	■25F	■40F	■25F	■25F	■25C	■25C	■25F	■40F	■25F	N 1
7.3	■20F	■20F	■20F	■30F	■20F	■20F	■20C	■20C	■20F	■30F	■20F	N 1
7.4	■10F	■10F	■10F	■15F	■10F	■10F	■10C	■10C	■10F	■15F	■10F	N 2
8.1	■30G	■30G	■30G	■50G	■30G	■30G	■30D	■30D	■30G	■50G	■30G	O
8.2	■20G	■20G	■20G	■30G	■20G	■20G	■20D	■20D	■20G	■30G	■20G	O
8.3												O
9.1												H
10.1												O

	Ø mm												
	1,5	2	3	5	8	10	12	16	20	25	30	40	50
A	0,045	0,055	0,078	0,100	0,150	0,170	0,185	0,220	0,250	0,280	0,320	0,390	0,440
B	0,055	0,072	0,110	0,150	0,180	0,210	0,240	0,280	0,310	0,360	0,400	0,500	0,550
C	0,065	0,085	0,135	0,185	0,220	0,260	0,285	0,335	0,390	0,440	0,480	0,600	0,680
D	0,080	0,110	0,160	0,200	0,270	0,320	0,360	0,410	0,470	0,540	0,600	0,730	0,850
E	0,100	0,140	0,180	0,250	0,350	0,390	0,430	0,500	0,530	0,640	0,750	0,910	1,100
F	0,140	0,180	0,260	0,350	0,440	0,500	0,550	0,630	0,700	0,800	0,930	1,200	1,500
	mm/REV ± 15%												

	Ø mm									
	6	8	10	16	20	25	32	40	60	80
A	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.12	0.14	0.16
B	0.04	0.05	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
C	0.05	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.22
D	0.06	0.08	0.10	0.12	0.15	0.18	0.20	0.22	0.25	0.28
E	0.08	0.10	0.12	0.15	0.18	0.20	0.25	0.27	0.30	0.32
F	0.09	0.11	0.13	0.16	0.19	0.21	0.26	0.29	0.33	0.36
G	0.10	0.12	0.15	0.18	0.20	0.22	0.28	0.32	0.36	0.40
H	0.12	0.15	0.18	0.20	0.22	0.25	0.30	0.35	0.40	0.45
mm/REV										

- Javaslat előfúrásnál alkalmazott eltávolítási rátára vonatkozóan • Indicatii generale privind adaosul dupa pre-gaurire • splošna navodila za odvzem materiala pri predvrtanju • General guidelines for stock removal when pre-drilling holes

	Ø (mm)					
	3 - 5mm	5.1 - 10mm	10.1 - 20mm	20.1 - 30mm	> 30mm	
1.1	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	P 1
1.2	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	P 1
1.3	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	P 2
1.4	0.1-0.2	0.2	0.2	0.3	0.3-0.4	P 3
1.5	0.1-0.2	0.2	0.2	0.3	0.3-0.4	P 4
1.6	0.1-0.2	0.2	0.2	0.3	0.3-0.4	H 1
1.7	0.1-0.2	0.2	0.2	0.3	0.3-0.4	H 3
1.8	0.1-0.2	0.2	0.2	0.3	0.3-0.4	H 4
2.1	0.1-0.2	0.2	0.2	0.3	0.3-0.4	M 1
2.2	0.1-0.2	0.2	0.2	0.3	0.3-0.4	M 3
2.3	0.1-0.2	0.2	0.2	0.3	0.3-0.4	M 2
2.4	0.1-0.2	0.2	0.2	0.3	0.3-0.4	S 2
3.1	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	K 1
3.2	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	K 2
3.3	0.1-0.2	0.2	0.3	0.4	0.5	K 3
3.4	0.1-0.2	0.2	0.3	0.4	0.5	K 4
4.1	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.3-0.4	S 1
4.2	0.1-0.2	0.2	0.2	0.3	0.3-0.4	S 2
4.3	0.1-0.2	0.2	0.2	0.3	0.3-0.4	S 3
5.1	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	S 1
5.2	0.1-0.2	0.2	0.2	0.3	0.3-0.4	S 2
5.3	0.1-0.2	0.2	0.2	0.3	0.3-0.4	S 3
6.1	0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5	N 3
6.2	0.1-0.2	0.2	0.2-0.3	0.3	0.3-0.4	N 4
6.3	0.1-0.2	0.2	0.2-0.3	0.3	0.3-0.4	N 3
6.4	0.1-0.2	0.2	0.2-0.3	0.3	0.3-0.4	N 4
7.1	0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5	N 1
7.2	0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5	N 1
7.3	0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5	N 1
7.4	0.1-0.2	0.2-0.3	0.3-0.4	0.4-0.5	0.5	N 2
8.1	0.1-0.2	0.3	0.4	0.4-0.5	0.5	O
8.2	0.1-0.2	0.2	0.2	0.3	0.3-0.4	O
8.3	0.1-0.2	0.2	0.2	0.3	0.3-0.4	O
9.1	0.1-0.2	0.2	0.2	0.3	0.3-0.4	H
10.1	0.1-0.2	0.2	0.2-0.3	0.3-0.4	0.4-0.5	O

Állítható vagy penge dörzsárak esetében csökkentse az előtolást 30%-kal. Csavarhormyú gépi dörzsáraknál növelje 50%-kal / Pentru alezoare reglabile sau cu lamele, reduceti adaosul cu 30%. Pentru alezoare cu elice pronuntata cresteti cu 50%. / Nastavljiva povrtala ali povrtala na ploščico zmanjšaj odvzem materiala za 30%, pri povrtalih z večjim kotom vijačnice pa povečajte odvzem za 50% / For adjustable or blade reamers reduce stock removal by 30%. For quick helix reamers increase by 50%

B400
HM

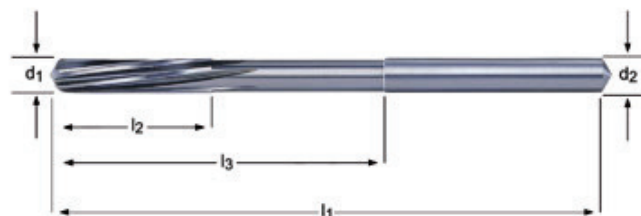
DIN 8093

B
H7

- Gépi Dörzsár Rendkívül egyenlőtlen horonyszélesség
- Alezoare de masina Divizare extrem de inegala
- povrtalo strojno Extremno neenaka delitev
- Machine Reamer Extremely unequal spacing

B400

B400	■	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	7.1	7.2	7.3	7.4
		8.1	8.2																		
	•	1.1	1.2	1.3	1.4																


B400


1.00 - 20.00

d_1 Ø mm	l_1 mm	l_2 mm	l_3 mm	z	d_2 Øh ₃ mm	B400
1.0	34	6	15	3	1.0	B4001.0 ¹⁾
1.2	38	8	16.5	3	1.2	B4001.2 ¹⁾
1.4	40	8	18	3	1.4	B4001.4 ¹⁾
1.5	40	8	18	3	1.5	B4001.5 ¹⁾
1.6	49	11	26	3	1.6	B4001.6 ¹⁾
1.8	49	11	25	4	1.8	B4001.8 ¹⁾
2.0	49	11	24	4	2.0	B4002.0 ¹⁾
2.2	57	15	30	4	2.2	B4002.2 ¹⁾
2.5	57	15	28	4	2.5	B4002.5 ¹⁾
2.8	61	15	32	4	2.8	B4002.8 ¹⁾
3.0	61	15	30	6	3.0	B4003.0 ¹⁾
3.2	70	18	33	6	3.2	B4003.2 ¹⁾
3.5	70	18	33	6	3.5	B4003.5 ¹⁾
4.0	75	19	44	6	4.0	B4004.0 ¹⁾
4.5	80	21	46	6	4.5	B4004.5 ¹⁾
5.0	86	23	53	6	5.0	B4005.0 ¹⁾
5.5	93	26	56	6	5.6	B4005.5 ¹⁾
6.0	93	26	56	6	5.6	B4006.0 ¹⁾
6.5	101	28	63	6	6.3	B4006.5 ²⁾
7.0	109	31	69	6	7.1	B4007.0 ²⁾
8.0	117	33	75	6	8.0	B4008.0 ²⁾
9.0	125	36	81	6	9.0	B4009.0 ²⁾
10.0	133	38	87	6	10.0	B40010.0 ²⁾
12.0	151	44	105	6	10.0	B40012.0 ²⁾
14.0	160	47	110	8	12.5	B40014.0 ²⁾
16.0	170	52	120	8	12.5	B40016.0 ²⁾
18.0	182	56	130	6	14.0	B40018.0 ³⁾
20.0	195	60	137	6	16.0	B40020.0 ³⁾

¹⁾ Keményfém / Cap din carbura / Karbidna trdina / Solid Carbide

²⁾ Keményfém fej / Cap din carbura / Glava iz karbidne trdine / Carbide Head

³⁾ karbid hegyű / Placat cu carbura / Rezila iz karbidne trdine / Carbide Tipped

B481

HM



DIN
8093



B



B481

- NC - dörzsár nagy pontosságú befogótokmányhoz
- Alezor NC, centesimale pentru portscule de precizie
- NC precizno povrtalo za visokoprecizna vpenjala
- NC - Centesimal Reamer for High Precision Chucks

Rendkívül egyenlőtlen horonyszélesség
Divizare extrem de inegală
Extremno neenaka delitev
Extremely unequal spacing

B481	■	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	7.1	7.2	7.3	7.4
		8.1	8.2																		
	•	1.1	1.2	1.3	1.4																



B481



0.98 - 12.05

d_1 Ø mm	l_1 mm	l_2 mm	l_3 mm	z	d_2 Ø h_6 mm	B481
0.98	49.5	6	21.5	3	4	B4810.98
0.99	49.5	6	21.5	3	4	B4810.99
1.00	49.5	6	21.5	3	4	B4811.00
1.01	49.5	6	21.5	3	4	B4811.01
1.02	49.5	6	21.5	3	4	B4811.02
1.03	49.5	9	21.5	3	4	B4811.03
1.48	49	9	21	3	4	B4811.48
1.49	49	9	21	3	4	B4811.49
1.50	49	9	21	3	4	B4811.50
1.51	49	9	21	3	4	B4811.51
1.52	49	9	21	3	4	B4811.52
1.53	49	9	21	3	4	B4811.53
1.98	49	12	21	4	4	B4811.98
1.99	49	12	21	4	4	B4811.99
2.00	49	12	21	4	4	B4812.00
2.01	49	12	21	4	4	B4812.01
2.02	49	12	21	4	4	B4812.02
2.03	49	12	21	4	4	B4812.03
2.48	59	16	31	4	4	B4812.48
2.49	59	16	31	4	4	B4812.49
2.50	59	16	31	4	4	B4812.50
2.51	59	16	31	4	4	B4812.51
2.52	59	16	31	4	4	B4812.52
2.53	59	16	31	4	4	B4812.53
2.97	62.5	17	35	6	4	B4812.97
2.98	62.5	17	35	6	4	B4812.98
2.99	62.5	17	35	6	4	B4812.99
3.00	62.5	17	35	6	4	B4813.00
3.01	62.5	17	35	6	4	B4813.01
3.02	62.5	17	35	6	4	B4813.02
3.03	62.5	17	35	6	4	B4813.03
3.97	75	19	47	6	4	B4813.97
3.98	75	19	47	6	4	B4813.98
3.99	75	19	47	6	4	B4813.99
4.00	75	19	47	6	4	B4814.00
4.01	75	19	47	6	4	B4814.01

d_1 Ø	l_1	l_2	l_3	z	d_2 Øh _s mm	B481
4.02	75	19	47	6	4	B4814.02
4.03	75	19	47	6	4	B4814.03
4.97	86	23	50	6	6	B4814.97
4.98	86	23	50	6	6	B4814.98
4.99	86	23	50	6	6	B4814.99
5.00	86	23	50	6	6	B4815.00
5.01	86	23	50	6	6	B4815.01
5.02	86	23	50	6	6	B4815.02
5.03	86	23	50	6	6	B4815.03
5.97	93	26	57	6	6	B4815.97
5.98	93	26	57	6	6	B4815.98
5.99	93	26	57	6	6	B4815.99
6.00	93	26	57	6	6	B4816.00
6.01	93	26	57	6	6	B4816.01
6.02	93	26	57	6	6	B4816.02
6.03	93	26	57	6	6	B4816.03
7.97	117	33	81	6	8	B4817.97
7.98	117	33	81	6	8	B4817.98
7.99	117	33	81	6	8	B4817.99
8.00	117	33	81	6	8	B4818.00
8.01	117	33	81	6	8	B4818.01
8.02	117	33	81	6	8	B4818.02
8.03	117	33	81	6	8	B4818.03
8.04	117	33	81	6	8	B4818.04
9.97	133	38	93	6	10	B4819.97
9.98	133	38	93	6	10	B4819.98
9.99	133	38	93	6	10	B4819.99
10.00	133	38	93	6	10	B48110.00
10.01	133	38	93	6	10	B48110.01
10.02	133	38	93	6	10	B48110.02
10.03	133	38	93	6	10	B48110.03
10.04	133	38	93	6	10	B48110.04
10.05	133	38	93	6	10	B48110.05
11.97	151	44	106	6	12	B48111.97
11.98	151	44	106	6	12	B48111.98
11.99	151	44	106	6	12	B48111.99
12.00	151	44	106	6	12	B48112.00
12.01	151	44	106	6	12	B48112.01
12.02	151	44	106	6	12	B48112.02
12.03	151	44	106	6	12	B48112.03
12.04	151	44	106	6	12	B48112.04
12.05	151	44	106	6	12	B48112.05

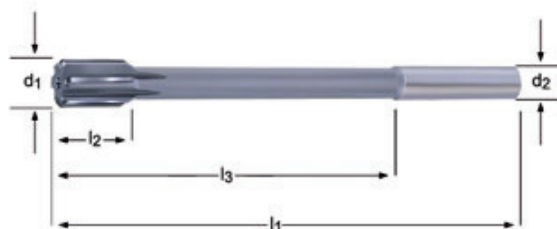
B441



B441

- Gépi Dörzsár Rendkívül egyenlőten horonyszélesség
- Alezoare de masina Divizare extrem de inegala
- povrtalo strojno Extremno neenaka delitev
- Machine Reamer Extremely unequal spacing

B441	■	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	7.1	7.2	7.3	7.4
		8.1	8.2																		
	•	1.1	1.2	1.3	1.4																



B441



10.00 - 20.00

d_1 Ø mm	l_1 mm	l_2 mm	l_3 mm	z	d_2 Ø h_9 mm	B441
10.0	133	19	87	6	10	B44110.0 ³⁾
11.0	142	19	96	6	10	B44111.0 ³⁾
12.0	151	19	105	6	10	B44112.0 ³⁾
13.0	151	19	105	6	10	B44113.0 ³⁾
14.0	160	19	110	6	12.5	B44114.0 ³⁾
15.0	162	19	112	6	12.5	B44115.0 ³⁾
16.0	170	22	120	6	12.5	B44116.0 ³⁾
17.0	175	22	123	6	14	B44117.0 ³⁾
18.0	182	22	130	6	14	B44118.0 ³⁾
19.0	189	22	131	6	16	B44119.0 ³⁾
20.0	195	22	137	6	16	B44120.0 ³⁾

³⁾ karbid hegyű / Placat cu carbura / Rezila iz karbidne trdine / Carbide Tipped

B411

B411

- Gépi Dörzsár Rendkívül egyenlőtlen horonyszélesség
- Alezoare de masina Divizare extrem de inegala
- povrtalo strojno Extremno neenaka delitev
- Machine Reamer Extremely unequal spacing

B411	▪	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	7.1	7.2	7.3	7.4
		8.1	8.2																		
	•	1.1	1.2	1.3	1.4																


B411


5.00 - 30.00

d_1 Ø	l_1	l_2	l_3	z	MK	B411
mm	mm	mm	mm			
5.0	133	23	67.5	6	1	B4115.0 ²⁾
6.0	138	26	72.5	6	1	B4116.0 ²⁾
7.0	150	31	84.5	6	1	B4117.0 ²⁾
8.0	156	33	90.5	6	1	B4118.0 ²⁾
9.0	162	36	96.5	6	1	B4119.0 ²⁾
10.0	168	38	102.5	6	1	B41110.0 ²⁾
12.0	182	44	116.5	6	1	B41112.0 ²⁾
14.0	189	47	123.5	8	1	B41114.0 ²⁾
15.0	204	50	124	8	2	B41115.0 ²⁾
16.0	210	52	130	8	2	B41116.0 ²⁾
17.0	214	54	134	6	2	B41117.0 ³⁾
18.0	219	56	139	6	2	B41118.0 ³⁾
19.0	223	58	143	6	2	B41119.0 ³⁾
20.0	228	60	148	6	2	B41120.0 ³⁾
22.0	237	64	157	6	2	B41122.0 ³⁾
24.0	268	68	169	8	3	B41124.0 ³⁾
25.0	268	68	169	8	3	B41125.0 ³⁾
26.0	273	70	174	8	3	B41126.0 ³⁾
30.0	281	73	182	8	3	B41130.0 ³⁾

²⁾ Keményfém fej / Cap din carbura / Glava iz karbidne trdine / Carbide Head

³⁾ karbid hegyű / Placat cu carbura / Rezila iz karbidne trdine / Carbide Tipped

B442



- Gépi Dörzsár Rendkívül egyenlőtlen horonyszélesség
- Alezoare de masina Divizare extrem de inegala
- povrtalo strojno Extremno neenaka delitev
- Machine Reamer Extremely unequal spacing

B442

B442	■	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	7.1	7.2	7.3	7.4
		8.1	8.2																		
	•	1.1	1.2	1.3	1.4																



B442



10.00 - 20.00

d_1 Ø	l_1	l_2	l_3	z	MK	B442
mm	mm	mm	mm			
10.0	168	19	102.5	6	1	B44210.0
12.0	182	19	116.5	6	1	B44212.0
14.0	189	19	123.5	6	1	B44214.0
15.0	204	19	124	6	2	B44215.0
16.0	210	22	130	6	2	B44216.0
17.0	214	22	134	6	2	B44217.0
18.0	219	22	139	6	2	B44218.0
19.0	223	22	143	6	2	B44219.0
20.0	228	22	148	6	2	B44220.0

B100

HSS

DIN
206

B

H7

B100

- Kézi Dörzsár
- Alezor de mâna
- povrtalo ročno
- Hand Reamer

d2=d1 tőrés e9

d2=d1 cu toleranta e9

d2=d1 s toleranca e9

d2=d1 with tolerance e9

B100	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2								
	●	1.5	1.6	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.1	6.3	6.4	7.1	7.2	8.2



B100



1.50 - 50.00

d ₁ Ø Inch	d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	z	□ a mm	B100
	1.50	41	20	5	3	1.12	B1001.5
1/16	1.59	41	20	5	3	1.12	B1001/16
	1.60	44	21	5	3	1.25	B1001.6
5/64	1.98	47	23	6	4	1.40	B1005/64
	2.00	50	25	6	4	1.60	B1002.0
3/32	2.38	54	27	7	4	1.80	B1003/32
	2.50	58	29	7	4	2.10	B1002.5
7/64	2.78	62	31	8	6	2.10	B1007/64
	3.00	62	31	8	6	2.40	B1003.0
1/8	3.18	66	33	8	6	2.40	B1001/8
	3.20	66	33	8	6	2.40	B1003.2
	3.50	71	35	9	6	2.70	B1003.5
9/64	3.57	71	35	9	6	2.70	B1009/64
5/32	3.97	76	38	10	6	3.00	B1005/32
	4.00	76	38	10	6	3.00	B1004.0
11/64	4.37	81	41	10	6	3.40	B10011/64
	4.50	81	41	10	6	3.40	B1004.5
3/16	4.76	87	44	11	6	3.80	B1003/16
	5.00	87	44	11	6	3.80	B1005.0
13/64	5.16	87	44	11	6	3.80	B10013/64
	5.50	93	47	12	6	4.30	B1005.5
7/32	5.56	93	47	12	6	4.30	B1007/32
15/64	5.95	93	47	12	6	4.90	B10015/64
	6.00	93	47	12	6	4.90	B1006.0
1/4	6.35	100	50	13	6	4.90	B1001/4
	6.50	100	50	13	6	4.90	B1006.5
17/64	6.75	107	54	14	6	5.50	B10017/64
	7.00	107	54	14	6	5.50	B1007.0
9/32	7.14	107	54	14	6	6.20	B1009/32
	7.50	107	54	14	6	6.20	B1007.5
19/64	7.54	115	58	15	6	6.20	B10019/64
5/16	7.94	115	58	15	6	6.20	B1005/16
	8.00	115	58	15	6	6.20	B1008.0
21/64	8.33	115	58	15	6	7.00	B10021/64
	8.50	115	58	15	6	7.00	B1008.5
11/32	8.73	124	62	16	6	7.00	B10011/32
	9.00	124	62	16	6	7.00	B1009.0
23/64	9.13	124	62	16	6	8.00	B10023/64

d ₁ Ø Inch	d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	z	□ a mm	B100
	9.50	124	62	16	6	8.00	B1009.5
3/8	9.52	124	62	17	6	8.00	B1003/8
25/64	9.92	133	66	17	6	8.00	B10025/64
	10.00	133	66	17	6	8.00	B10010.0
13/32	10.32	133	66	17	6	8.00	B10013/32
	10.50	133	66	17	6	8.00	B10010.5
	11.00	142	71	18	6	9.00	B10011.0
7/16	11.11	142	71	18	6	9.00	B1007/16
	11.50	142	71	18	6	9.00	B10011.5
	12.00	152	76	19	6	9.00	B10012.0
	12.50	152	76	19	6	10.00	B10012.5
1/2	12.70	152	76	19	6	10.00	B1001/2
	13.00	152	76	19	6	10.00	B10013.0
17/32	13.49	163	81	20	8	11.00	B10017/32
	13.50	163	81	20	8	11.00	B10013.5
	14.00	163	81	20	8	11.00	B10014.0
9/16	14.29	163	81	20	8	11.00	B1009/16
	14.50	163	81	20	8	11.00	B10014.5
	15.00	163	81	20	8	12.00	B10015.0
19/32	15.08	163	81	22	8	12.00	B10019/32
5/8	15.88	175	87	22	8	12.00	B1005/8
	16.00	175	87	22	8	12.00	B10016.0
	17.00	175	87	22	8	13.00	B10017.0
11/16	17.46	188	93	23	8	14.50	B10011/16
	18.00	188	93	23	8	14.50	B10018.0
	19.00	188	93	23	8	14.50	B10019.0
3/4	19.05	188	93	25	8	14.50	B1003/4
	20.00	201	100	25	8	16.00	B10020.0
13/16	20.64	201	100	25	8	16.00	B10013/16
	21.00	201	100	25	8	16.00	B10021.0
	22.00	215	107	27	8	18.00	B10022.0
7/8	22.22	215	107	27	8	18.00	B1007/8
	23.00	215	107	27	8	18.00	B10023.0
	24.00	231	115	29	8	18.00	B10024.0
	25.00	231	115	29	8	20.00	B10025.0
1"	25.40	231	115	29	8	20.00	B1001
	26.00	231	115	29	8	20.00	B10026.0
	27.00	247	124	31	10	22.00	B10027.0
	28.00	247	124	31	10	22.00	B10028.0
	29.00	247	124	31	10	22.00	B10029.0
	30.00	247	124	31	10	24.00	B10030.0
	31.00	265	133	33	10	24.00	B10031.0
	32.00	265	133	33	10	24.00	B10032.0
	33.00	265	133	33	10	26.00	B10033.0
	34.00	284	142	36	10	26.00	B10034.0
	35.00	284	142	36	10	29.00	B10035.0
	36.00	284	142	36	10	29.00	B10036.0
	37.00	284	142	36	10	29.00	B10037.0
	38.00	305	152	38	10	29.00	B10038.0
	39.00	305	152	38	10	32.00	B10039.0
	40.00	305	152	38	10	32.00	B10040.0
	45.00	326	163	41	12	35.00	B10045.0
	50.00	347	174	44	12	39.00	B10050.0

B334

HSS



- Állítható Kézi Dörzsár - Egyenes Hornyú
- Alezoare reglabile de mână - Canale drepte
- povrtalo ročno, nastavljivo
- Hand Reamer Quickly Adjustable

B334

B334	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2								
	●	1.5	1.6	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.1	6.3	6.4	7.1	7.2	8.2



B334



N000 - N16

	d	l ₁	l ₂	l ₃		▣	
Nr.	min-max mm	mm	mm	mm	z	a mm	B334
000	6.4 - 7.2	110	32	7	4	3.0	B334000
00	7.2 - 8.0	110	32	7	4	3.4	B33400
0	8.0 - 9.0	115	34	9	5	3.8	B3340
1	9.0 - 10.0	115	34	9	5	4.3	B3341
2	10.0 - 11.0	115	34	9	5	4.9	B3342
3	11.0 - 12.0	125	35	9	5	4.9	B3343
4	12.0 - 13.5	135	41	9	5	6.2	B3344
5	13.5 - 15.5	146	50	12	5	7.0	B3345
6	15.5 - 18.0	166	60	12	5	8.0	B3346
7	18.0 - 21.0	178	65	15	5	9.0	B3347
8	21.0 - 24.0	195	76	15	5	11.0	B3348
9	24.0 - 27.5	218	82	18	5	12.0	B3349
10	27.5 - 31.5	245	86	18	5	14.5	B33410
11	31.5 - 37.0	280	98	18	6	18.0	B33411
12	37.0 - 45.0	325	108	20	6	20.0	B33412
13	45.0 - 55.0	370	118	20	6	26.0	B33413
14	55.0 - 67.0	400	125	20	6	32.0	B33414
15	67.0 - 80.0	435	140	23	8	39.0	B33415
16	80.0 - 95.0	475	155	23	8	49.0	B33416

B335

HSS

B335

- Állítható Kézi Dörzsár - Pótalkatrész (B334)
- Alezoare reglabile de mâna - Piese de schimb (B334)
- povrtalo ročno, nastavljivo
- Hand Reamer Quickly Adjustable - Spare Parts (B334)



BLADES



NUT

B335



N000BLADES - N16NUT

Nr.	B335
000	B335000BLADES
000	B335000NUT
00	B33500BLADES
00	B33500NUT
0	B3350BLADES
0	B3350NUT
1	B3351BLADES
1	B3351NUT
2	B3352BLADES
2	B3352NUT
3	B3353BLADES
3	B3353NUT
4	B3354BLADES
4	B3354NUT
5	B3355BLADES
5	B3355NUT
6	B3356BLADES
6	B3356NUT
7	B3357BLADES
7	B3357NUT
8	B3358BLADES
8	B3358NUT
9	B3359BLADES
9	B3359NUT
10	B33510BLADES
10	B33510NUT
11	B33511BLADES
11	B33511NUT
12	B33512BLADES
12	B33512NUT
13	B33513BLADES
13	B33513NUT
14	B33514BLADES
14	B33514NUT
15	B33515BLADES
15	B33515NUT
16	B33516BLADES
16	B33516NUT

B901

HSS-E

BS
328

B

H7

B901

- Gépi Dörzsár
- Alezoare de masina
- povrtalo strojno
- Machine Reamer

$$d_2 = d_1 - 0.025$$

$$d_2 = d_1 - 0.025$$

$$d_2 = d_1 - 0.025$$

$$d_2 = d_1 - 0.025$$

B901	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2								
	●	1.5	1.6	3.2	3.3	3.4	4.2	4.3	5.1	5.2	5.3	6.1	6.3	6.4	7.1	7.2	8.2



B901



1,50 - 1/2

d ₁ Ø Inch	d ₁ Ø mm	l ₁ mm	l ₂ mm	z	B901
	1.50	44	21	4	B9011.5
1/16	1.59	44	21	4	B9011/16
	2.00	50	25	4	B9012.0
3/32	2.38	58	29	4	B9013/32
	2.50	58	29	4	B9012.5
	3.00	62	31	4	B9013.0
1/8	3.18	66	33	4	B9011/8
	3.50	71	35	4	B9013.5
5/32	3.97	76	38	6	B9015/32
	4.00	76	38	6	B9014.0
	4.50	81	41	6	B9014.5
3/16	4.76	87	44	6	B9013/16
	5.00	87	44	6	B9015.0
13/64	5.16	87	44	6	B90113/64
	5.50	93	47	6	B9015.5
7/32	5.56	93	47	6	B9017/32
15/64	5.95	93	47	6	B90115/64
	6.00	93	47	6	B9016.0
1/4	6.35	100	50	6	B9011/4
	7.00	107	54	6	B9017.0
9/32	7.14	107	54	6	B9019/32
5/16	7.94	115	58	6	B9015/16
	8.00	115	58	6	B9018.0
	9.00	124	62	6	B9019.0
3/8	9.52	133	66	6	B9013/8
	10.00	133	66	6	B90110.0
	11.00	142	71	6	B90111.0
7/16	11.11	142	71	6	B9017/16
	12.00	152	76	6	B90112.0
1/2	12.70	152	76	6	B9011/2

B301

HSS



ST

BS
328

A

1:48 

B301

- Kézi csaplyuk kúpdörzsár - Csavart Hornyú
- Alezor de mâna conic pentru stifturi - Canal elicoidal
- povrtalo ročno konično, spiralno
- Hand Taper Pin Reamer

B301	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2										
	●	1.5	1.6	2.2	2.3	3.2	3.3	3.4	4.2	4.3	5.1	6.1	6.3	6.4	7.1	7.2	7.3	7.4	8.2



B301

 $1/16 - 1/2$

nom Ø	d ₁ Ø mm	l ₁ mm	l ₂ mm	z	☐ a mm	d ₂ Ø mm	B301
1/16	1.10	51	25	4	1.2	1.63	B3011/16 ⁴⁾
5/64	1.50	51	25	4	1.6	2.03	B3015/64 ⁴⁾
3/32	1.75	57	32	4	2.0	2.41	B3013/32 ⁴⁾
7/64	2.03	64	38	4	2.2	2.82	B3017/64 ⁴⁾
1/8	2.30	70	44	4	2.5	3.23	B3011/8 ⁴⁾
9/64	2.64	73	48	4	2.8	3.63	B3019/64 ⁴⁾
5/32	2.95	76	51	4	3.1	4.01	B3015/32 ⁴⁾
11/64	3.23	89	57	4	3.6	4.42	B30111/64 ⁴⁾
3/16	3.50	102	70	4	4.0	4.95	B3013/16 ⁴⁾
7/32	4.13	102	70	6	4.5	5.59	B3017/32 ⁴⁾
1/4	4.64	117	86	6	5.0	6.43	B3011/4 ⁵⁾
9/32	5.23	143	105	6	5.6	7.42	B3019/32 ⁵⁾
5/16	5.84	143	105	6	6.3	8.03	B3015/16 ⁵⁾
11/32	6.43	152	114	6	7.1	8.81	B30111/32 ⁵⁾
3/8	7.03	165	127	6	8.0	9.68	B3013/8 ⁵⁾
13/32	7.42	191	146	6	8.0	10.46	B30113/32 ⁵⁾
7/16	8.21	191	146	6	9.0	11.25	B3017/16 ⁵⁾
1/2	9.41	210	165	6	10.0	12.85	B3011/2 ⁵⁾

⁴⁾ Tűrés határ +0.0030 / Limitele campului de toleranta +0.0030 / tolerancno območje +0.0030 / Limit of tolerance +0.0030

⁵⁾ Tűrés határ +0.0050 / Limitelele campului de toleranta +0.0050 / tolerancno obmocje +0.0050 / Limit of tolerance +0.0050

B903

HSS

DIN

A

1:50 

- Kéz csaplyuk kúpdörzsár - Csavart Hornyú
- Alezor de mâna conic pentru stifturi - Canal elicoidal
- povrtalo ročno konično, spiralno
- Hand Taper Pin Reamer

B903

B903	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2										
	■	1.5	1.6	2.2	2.3	3.2	3.3	3.4	4.2	4.3	5.1	6.1	6.3	6.4	7.1	7.2	7.3	7.4	8.2



B903



1.50 - 20.00

nom Ø	d ₁ Ø mm	d ₂ Ø mm	l ₁ mm	l ₂ mm	z	□ a mm	d ₃ Øh ₁₁ mm	B903
1.5	1.40	2.14	57	37	4	1.80	2.14	B9031.5 ⁶⁾
2.0	1.90	2.86	68	48	4	2.24	2.86	B9032.0 ⁶⁾
2.5	2.40	3.36	68	48	4	2.80	3.36	B9032.5 ⁶⁾
3.0	2.90	4.06	80	58	4	3.15	4.00	B9033.0 ⁶⁾
4.0	3.90	5.26	93	68	4	4.00	5.00	B9034.0 ⁶⁾
5.0	4.90	6.36	100	73	4	5.00	6.30	B9035.0 ⁶⁾
6.0	5.90	8.00	135	105	6	6.30	7.90	B9036.0 ⁷⁾
8.0	7.90	10.80	180	145	6	8.00	10.50	B9038.0 ⁷⁾
10.0	9.90	13.40	215	175	6	10.00	13.30	B90310.0 ⁷⁾
12.0	11.80	16.00	255	210	8	11.20	16.00	B90312.0 ⁷⁾
13.0	12.86	16.74	255	210	8	12.50	16.74	B90313.0 ⁷⁾
14.0	13.86	17.74	255	210	8	12.50	17.74	B90314.0 ⁷⁾
16.0	15.80	20.40	280	230	8	14.00	20.40	B90316.0 ⁷⁾
20.0	19.80	24.80	310	250	8	18.00	24.80	B90320.0 ⁷⁾

⁶⁾ Tűréshatár +0.0750 / Limitele campului de toleranta +0.0750 / tolerancno območje +0.0750 / Limit of tolerance +0.0750

⁷⁾ Tűréshatár +0.125 / Limitele campului de toleranță +0.125 / tolerancno območje +0.125 / Limit of tolerance +0.125

B952

HSS

DIN
9

B

1:50 

B952

- Kézi csaplyuk kúpdörzsár - Csavart Hornyú
- Alezor de mâna conic pentru stifturi - Canal elicoidal
- povrtalo ročno konično, spiralno
- Hand Taper Pin Reamer

B952	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2										
	●	1.5	1.6	2.2	2.3	3.2	3.3	3.4	4.2	4.3	5.1	6.1	6.3	6.4	7.1	7.2	7.3	7.4	8.2



B952



1.20 - 50.00

nom Ø	d ₁ Ø mm	d ₂ Ø mm	l ₁ mm	l ₂ mm	z	□ a mm	d ₃ Øh ₁₁ mm	B952
1.2	1.1	1.74	50	32	3	2.4	3.15	B9521.2
1.5	1.4	2.14	57	37	3	2.4	3.15	B9521.5
2.0	1.9	2.86	68	48	3	2.4	3.15	B9522.0
2.5	2.4	3.36	68	48	4	2.4	3.15	B9522.5
3.0	2.9	4.06	80	58	5	3.0	4.00	B9523.0
3.5	3.4	4.66	87	63	5	3.4	4.50	B9523.5
4.0	3.9	5.26	93	68	5	3.8	5.00	B9524.0
4.5	4.4	5.80	95	70	5	4.3	5.60	B9524.5
5.0	4.9	6.36	100	73	5	4.9	6.30	B9525.0
5.5	5.4	7.20	118	90	6	5.5	7.10	B9525.5
6.0	5.9	8.00	135	105	6	6.2	8.00	B9526.0
6.5	6.4	8.60	140	110	6	6.2	8.00	B9526.5
7.0	6.9	9.40	160	125	6	7.0	9.00	B9527.0
8.0	7.9	10.8	180	145	6	8.0	10.00	B9528.0
9.0	8.9	12.1	195	160	6	9.0	11.20	B9529.0
10.0	9.9	13.4	215	175	6	10.0	12.50	B95210.0
12.0	11.8	16.0	255	210	8	11.0	14.00	B95212.0
13.0	12.8	17.0	255	210	8	12.0	16.00	B95213.0
14.0	13.8	18.0	255	210	8	12.0	16.00	B95214.0
16.0	15.8	20.4	280	230	8	14.5	18.00	B95216.0
20.0	19.8	24.8	310	250	8	18.0	22.40	B95220.0
25.0	24.7	30.7	370	300	10	22.0	28.00	B95225.0
30.0	29.7	36.1	400	320	10	24.0	31.50	B95230.0
40.0	39.7	46.5	430	340	12	32.0	40.00	B95240.0
50.0	49.7	56.9	460	360	12	39.0	50.00	B95250.0

⁸⁾ Egyenes hornyú, A forma / Canal drept, forma A / ravni, form A / Straight Flute, form A

B122

HSS



ANSI



- Egyenes autópári dörzsár, balos csavart hornyú
- Cilindrica Alezoare auto cu canale elicoidale stanga
- Cilindrično povrtalo, leva vijačnica
- Straight Car Reamers, LH Helical Flute

B122

B122	■	1.1	1.2	1.3	1.4	2.1	3.1	4.1	6.2										
	●	1.5	1.6	2.2	2.3	3.2	3.3	3.4	4.2	4.3	5.1	6.1	6.3	6.4	7.1	7.2	7.3	7.4	8.2



B122


$$3/8 - 1/16$$

d ₁ Ø Inch	d ₁ decimal Inch	l ₁ Inch	l ₂ Inch	z	d ₂ Ø Inch	B122
3/8	0.3750	4.5/8	2.1/2	4	3/8	B1223/8
1/2	0.5000	5.7/8	3.3/4	5	1/2	B1221/2
9/16	0.5625	5.7/8	3.3/4	5	1/2	B1229/16
5/8	0.6250	6.3/8	4.1/4	5	1/2	B1225/8
11/16	0.6875	6.3/8	4.1/4	5	1/2	B12211/16
3/4	0.7500	6.7/8	4.1/2	5	1/2	B1223/4
13/16	0.8125	6.7/8	4.1/2	5	1/2	B12213/16
7/8	0.8750	6.7/8	4.1/2	5	1/2	B1227/8
15/16	0.9375	6.7/8	4.1/2	5	1/2	B12215/16
1"	1.0000	6.7/8	4.1/2	5	1/2	B1221
1.1/16	1.0625	6.7/8	4.1/2	5	1/2	B1221.1/16

B953

HSS-E



DIN
2179



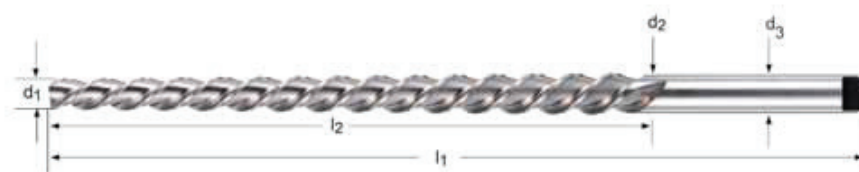
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B953

- Gépi, kúpdörzsár, 45°-os balos spirállal
- Alezor de masina, pentru stifturi conice, canale stanga 45°
- Stronjo konicno povrtalo, leva vijacnica 45°, cilindricno vpetje
- Machine Reamer for Conical Pin Left Hand Helix 45°

Menesztő a DIN 1809 szabvány szerint
Antrenor conf. DIN 1809
DIN 1810
Tang to DIN 1809

B953	■	2.1	2.2	2.3	4.1	4.2	4.3	5.1	5.2	5.3	6.1	7.1	7.2	7.3	7.4	8.1
	■	1.1	1.2	1.3	1.4	1.5	1.6	6.2	9.1							



B953



1.00 - 12.00

nom Ø	d ₁ Ø mm	d ₂ Ø mm	l ₁ mm	l ₂ mm	z	d ₃ Øh ₃ mm	B953
1.0	0.8	1.46	60	33	2	1.4	B9531.0
1.5	1.4	2.14	70	37	2	2.1	B9531.5
2.0	1.9	2.86	86	48	3	3.15	B9532.0
2.5	2.4	3.36	86	48	3	3.15	B9532.5
3.0	2.9	4.06	100	58	3	4.0	B9533.0
4.0	3.9	5.26	112	68	3	5.0	B9534.0
5.0	4.9	6.36	122	73	3	6.3	B9535.0
6.0	5.9	8.00	160	105	3	8.0	B9536.0
6.5	6.4	8.78	188	119	3	8.5	B9536.5
8.0	7.9	10.80	207	145	3	10.0	B9538.0
10.0	9.9	13.40	245	175	3	12.5	B95310.0
12.0	11.8	16.00	290	210	3	16.0	B95312.0

B180

HSS-E

DIN
212

DIN
6535HA
8

B

H7

- NC - Precíziós Dörzsár
- Alezor de precizie pt NC
- NC povrtalo precizno
- NC - Reamer for High Precision Chucks

B180

B180	■	1.1	1.2	1.3	1.4	2.1	4.2	5.1										
	●	1.5	1.6	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.3	5.2	5.3	6.1	6.2	6.3	6.4



B180



1.50 - 20.00

d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	z	d ₂ Øh ₆ mm	B180
1.5	40	8	18	3	2	B1801.5
1.6	43	9	20	3	2	B1801.6
1.7	43	9	20	3	2	B1801.7
1.8	46	10	22	4	2	B1801.8
1.9	46	10	22	4	2	B1801.9
2.0	49	11	24	4	2	B1802.0
2.1	49	11	24	4	2	B1802.1
2.2	53	12	26	4	3	B1802.2
2.3	53	12	26	4	3	B1802.3
2.4	57	14	28	4	3	B1802.4
2.5	57	14	28	4	3	B1802.5
2.6	57	14	28	4	3	B1802.6
2.7	61	15	32	6	3	B1802.7
2.8	61	15	32	6	3	B1802.8
2.9	61	15	32	6	3	B1802.9
3.0	61	15	32	6	3	B1803.0
3.1	65	16	35	6	4	B1803.1
3.2	65	16	35	6	4	B1803.2
3.3	65	16	35	6	4	B1803.3
3.4	70	18	40	6	4	B1803.4
3.5	70	18	40	6	4	B1803.5
3.6	70	18	40	6	4	B1803.6
3.7	70	18	40	6	4	B1803.7
3.8	75	19	43	6	4	B1803.8
3.9	75	19	43	6	4	B1803.9
4.0	75	19	43	6	4	B1804.0
4.1	75	19	43	6	4	B1804.1
4.2	75	19	43	6	4	B1804.2
4.3	80	21	47	6	5	B1804.3
4.4	80	21	47	6	5	B1804.4
4.5	80	21	47	6	5	B1804.5
4.6	80	21	47	6	5	B1804.6
4.7	80	21	47	6	5	B1804.7
4.8	86	23	52	6	5	B1804.8
4.9	86	23	52	6	5	B1804.9
5.0	86	23	52	6	5	B1805.0
5.1	86	23	52	6	5	B1805.1
5.2	86	23	52	6	5	B1805.2

d_1 Ø mm	l_1 mm	l_2 mm	l_3 mm	z	d_2 Ø h_6 mm	B180
5.3	86	23	52	6	5	B1805.3
5.4	93	26	57	6	6	B1805.4
5.5	93	26	57	6	6	B1805.5
5.6	93	26	57	6	6	B1805.6
5.7	93	26	57	6	6	B1805.7
5.8	93	26	57	6	6	B1805.8
5.9	93	26	57	6	6	B1805.9
6.0	93	26	57	6	6	B1806.0
6.1	101	28	63	6	6	B1806.1
6.2	101	28	63	6	6	B1806.2
6.3	101	28	63	6	6	B1806.3
6.4	101	28	63	6	6	B1806.4
6.5	101	28	63	6	6	B1806.5
6.6	101	28	63	6	6	B1806.6
6.7	101	28	63	6	6	B1806.7
6.8	109	31	69	6	8	B1806.8
6.9	109	31	69	6	8	B1806.9
7.0	109	31	69	6	8	B1807.0
7.1	109	31	69	6	8	B1807.1
7.2	109	31	69	6	8	B1807.2
7.3	109	31	69	6	8	B1807.3
7.4	109	31	69	6	8	B1807.4
7.5	109	31	69	6	8	B1807.5
7.6	117	33	75	6	8	B1807.6
7.7	117	33	75	6	8	B1807.7
7.8	117	33	75	6	8	B1807.8
7.9	117	33	75	6	8	B1807.9
8.0	117	33	75	6	8	B1808.0
8.1	117	33	75	6	8	B1808.1
8.2	117	33	75	6	8	B1808.2
8.3	117	33	75	6	8	B1808.3
8.4	117	33	75	6	8	B1808.4
8.5	117	33	75	6	8	B1808.5
8.6	125	36	81	6	10	B1808.6
8.7	125	36	81	6	10	B1808.7
8.8	125	36	81	6	10	B1808.8
8.9	125	36	81	6	10	B1808.9
9.0	125	36	81	6	10	B1809.0
9.1	125	36	81	6	10	B1809.1
9.2	125	36	81	6	10	B1809.2
9.3	125	36	81	6	10	B1809.3
9.4	125	36	81	6	10	B1809.4
9.5	125	36	81	6	10	B1809.5
9.6	133	38	87	6	10	B1809.6
9.7	133	38	87	6	10	B1809.7
9.8	133	38	87	6	10	B1809.8
9.9	133	38	87	6	10	B1809.9
10.0	133	38	87	6	10	B18010.0
11.0	142	41	96	6	10	B18011.0
12.0	151	44	105	6	10	B18012.0
13.0	151	44	105	6	10	B18013.0
14.0	160	47	110	8	14	B18014.0
15.0	162	50	112	8	14	B18015.0
16.0	170	52	120	8	14	B18016.0
17.0	175	54	123	8	14	B18017.0
18.0	182	56	130	8	14	B18018.0
19.0	189	58	131	8	16	B18019.0
20.0	195	60	137	8	16	B18020.0

B170

HSS-E

DIN
212

B

$\varnothing 95-5.5$
 $0,+0.004$
 $\varnothing 5.51-12$
 $0,+0.005$

- Tizedes gépi dörzsár
- Alezor de masina centesimal
- Strojno povrtalo
- Machine Centesimal Reamer

B170

B170	■	1.1	1.2	1.3	1.4	2.1	4.2	5.1										
	●	1.5	1.6	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.3	5.2	5.3	6.1	6.2	6.3	6.4	



B170



0.98 - 12.00

d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	z	d ₂ Øh ₃ mm	B170
0.98	34	5.5	15	3	1.0	B170.98
0.99	34	5.5	15	3	1.0	B170.99
1.00	34	5.5	15	3	1.0	B1701.0
1.01	34	5.5	15	3	1.0	B1701.01
1.02	34	5.5	15	3	1.0	B1701.02
1.03	34	5.5	15	3	1.0	B1701.03
1.04	34	5.5	15	3	1.0	B1701.04
1.05	34	5.5	15	3	1.0	B1701.05
1.49	40	8.0	18	3	1.5	B1701.49
1.50	40	8.0	18	3	1.5	B1701.5
1.51	43	9.0	20	3	1.6	B1701.51
1.52	43	9.0	20	3	1.6	B1701.52
1.98	49	11.0	24	4	2.0	B1701.98
1.99	49	11.0	24	4	2.0	B1701.99
2.00	49	11.0	24	4	2.0	B1702.0
2.01	49	11.0	24	4	2.0	B1702.01
2.02	49	11.0	24	4	2.0	B1702.02
2.03	49	11.0	24	4	2.0	B1702.03
2.04	49	11.0	24	4	2.0	B1702.04
2.05	49	11.0	24	4	2.0	B1702.05
2.49	57	14.0	28	4	2.5	B1702.49
2.50	57	14.0	28	4	2.5	B1702.5
2.51	57	14.0	28	4	2.5	B1702.51
2.52	57	14.0	28	4	2.5	B1702.52
2.98	61	15.0	32	6	3.0	B1702.98
2.99	61	15.0	32	6	3.0	B1702.99
3.00	61	15.0	32	6	3.0	B1703.0
3.01	65	16.0	35	6	3.2	B1703.01
3.02	65	16.0	35	6	3.2	B1703.02
3.03	65	16.0	35	6	3.2	B1703.03
3.04	65	16.0	35	6	3.2	B1703.04
3.05	65	16.0	35	6	3.2	B1703.05
3.49	70	18.0	40	6	3.5	B1703.49
3.50	70	18.0	40	6	3.5	B1703.5
3.51	70	18.0	40	6	3.5	B1703.51
3.52	70	18.0	40	6	3.5	B1703.52
3.98	75	19.0	43	6	4.0	B1703.98
3.99	75	19.0	43	6	4.0	B1703.99

d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	z	d ₂ Øh ₃ mm	B170
4.00	75	19.0	43	6	4.0	B1704.0
4.01	75	19.0	43	6	4.0	B1704.01
4.02	75	19.0	43	6	4.0	B1704.02
4.03	75	19.0	43	6	4.0	B1704.03
4.04	75	19.0	43	6	4.0	B1704.04
4.05	75	19.0	43	6	4.0	B1704.05
4.49	80	21.0	47	6	4.5	B1704.49
4.50	80	21.0	47	6	4.5	B1704.5
4.51	80	21.0	47	6	4.5	B1704.51
4.52	80	21.0	47	6	4.5	B1704.52
4.98	86	23.0	52	6	5.0	B1704.98
4.99	86	23.0	52	6	5.0	B1704.99
5.00	86	23.0	52	6	5.0	B1705.0
5.01	86	23.0	52	6	5.0	B1705.01
5.02	86	23.0	52	6	5.0	B1705.02
5.03	86	23.0	52	6	5.0	B1705.03
5.04	86	23.0	52	6	5.0	B1705.04
5.05	86	23.0	52	6	5.0	B1705.05
5.49	93	26.0	57	6	5.6	B1705.49
5.50	93	26.0	57	6	5.6	B1705.5
5.51	93	26.0	57	6	5.6	B1705.51
5.52	93	26.0	57	6	5.6	B1705.52
5.98	93	26.0	57	6	5.6	B1705.98
5.99	93	26.0	57	6	5.6	B1705.99
6.00	93	26.0	57	6	5.6	B1706.0
6.01	101	28.0	63	6	6.3	B1706.01
6.02	101	28.0	63	6	6.3	B1706.02
6.03	101	28.0	63	6	6.3	B1706.03
6.04	101	28.0	63	6	6.3	B1706.04
6.05	101	28.0	63	6	6.3	B1706.05
6.49	101	28.0	63	6	6.3	B1706.49
6.50	101	28.0	63	6	6.3	B1706.5
6.51	101	28.0	63	6	6.3	B1706.51
6.52	101	28.0	63	6	6.3	B1706.52
6.98	109	31.0	69	6	7.1	B1706.98
6.99	109	31.0	69	6	7.1	B1706.99
7.00	109	31.0	69	6	7.1	B1707.0
7.01	109	31.0	69	6	7.1	B1707.01
7.02	109	31.0	69	6	7.1	B1707.02
7.03	109	31.0	69	6	7.1	B1707.03
7.04	109	31.0	69	6	7.1	B1707.04
7.05	109	31.0	69	6	7.1	B1707.05
7.49	109	31.0	69	6	7.1	B1707.49
7.50	109	31.0	69	6	7.1	B1707.5
7.51	117	33.0	75	6	8.0	B1707.51
7.52	117	33.0	75	6	8.0	B1707.52
7.98	117	33.0	75	6	8.0	B1707.98
7.99	117	33.0	75	6	8.0	B1707.99
8.00	117	33.0	75	6	8.0	B1708.0
8.01	117	33.0	75	6	8.0	B1708.01
8.02	117	33.0	75	6	8.0	B1708.02
8.03	117	33.0	75	6	8.0	B1708.03
8.04	117	33.0	75	6	8.0	B1708.04
8.05	117	33.0	75	6	8.0	B1708.05
8.49	117	33.0	75	6	8.0	B1708.49
8.50	117	33.0	75	6	8.0	B1708.5
8.51	125	36.0	81	6	9.0	B1708.51
8.52	125	36.0	81	6	9.0	B1708.52
8.98	125	36.0	81	6	9.0	B1708.98
8.99	125	36.0	81	6	9.0	B1708.99
9.00	125	36.0	81	6	9.0	B1709.0
9.01	125	36.0	81	6	9.0	B1709.01
9.02	125	36.0	81	6	9.0	B1709.02
9.03	125	36.0	81	6	9.0	B1709.03
9.04	125	36.0	81	6	9.0	B1709.04
9.05	125	36.0	81	6	9.0	B1709.05
9.49	125	36.0	81	6	9.0	B1709.49
9.50	125	36.0	81	6	9.0	B1709.5
9.51	133	38.0	87	6	10.0	B1709.51
9.52	133	38.0	87	6	10.0	B1709.52

d_1 Ø	l_1	l_2	l_3	z	d_2 Øh ₉	B170
mm	mm	mm	mm		mm	
9.98	133	38.0	87	6	10.0	B1709.98
9.99	133	38.0	87	6	10.0	B1709.99
10.00	133	38.0	87	6	10.0	B17010.0
10.01	133	38.0	87	6	10.0	B17010.01
10.02	133	38.0	87	6	10.0	B17010.02
10.03	133	38.0	87	6	10.0	B17010.03
10.04	133	38.0	87	6	10.0	B17010.04
10.05	133	38.0	87	6	10.0	B17010.05
10.49	133	38.0	87	6	10.0	B17010.49
10.50	133	38.0	87	6	10.0	B17010.5
10.51	133	38.0	87	6	10.0	B17010.51
10.52	133	38.0	87	6	10.0	B17010.52
10.98	142	41.0	96	6	10.0	B17010.98
10.99	142	41.0	96	6	10.0	B17010.99
11.00	142	41.0	96	6	10.0	B17011.0
11.01	142	41.0	96	6	10.0	B17011.01
11.02	142	41.0	96	6	10.0	B17011.02
11.03	142	41.0	96	6	10.0	B17011.03
11.04	142	41.0	96	6	10.0	B17011.04
11.05	142	41.0	96	6	10.0	B17011.05
11.49	142	41.0	96	6	10.0	B17011.49
11.50	142	41.0	96	6	10.0	B17011.5
11.51	142	41.0	96	6	10.0	B17011.51
11.52	142	41.0	96	6	10.0	B17011.52
11.98	151	44.0	105	6	10.0	B17011.98
11.99	151	44.0	105	6	10.0	B17011.99
12.00	151	44.0	105	6	10.0	B17012.0

B157

HSS-E



DIN
212



E

H7



B157

- Gépi dörzsár, 45°-os balos spirállal
- Alezor de masina, canale stanga 45°
- Strojno povrtalo, leva vijacnica 45°
- Machine Reamer Left Hand Helix 45°

B157	■	1.1	1.2	1.3	1.4	2.1	2.2	2.3	4.1	4.2	4.3	5.1	5.2	5.3	6.1	7.1	7.2	7.3	7.4	8.1
	■	1.5	1.6	6.2	9.1															



B157



2.00 - 20.00

d ₁ Ø mm	l ₁ mm	l ₂ mm	l ₃ mm	l ₄ mm	z	d ₂ Øh ₃ mm	B157
2.0	49	11	3.5	24	3	2.0	B1572.0
3.0	61	15	4.0	32	3	3.0	B1573.0
4.0	75	19	4.0	43	3	4.0	B1574.0
5.0	86	23	4.5	52	3	5.0	B1575.0
6.0	93	26	6.0	57	3	5.6	B1576.0
7.0	109	31	7.0	69	3	7.1	B1577.0
8.0	117	33	9.0	75	3	8.0	B1578.0
9.0	125	36	9.5	81	3	9.0	B1579.0
10.0	133	38	10.0	87	3	10.0	B15710.0
11.0	142	41	10.5	96	3	10.0	B15711.0
12.0	151	44	11.0	105	3	10.0	B15712.0
13.0	151	44	11.5	105	3	10.0	B15713.0
14.0	160	47	12.0	110	3	12.5	B15714.0
15.0	162	50	12.5	112	3	12.5	B15715.0
16.0	170	52	13.0	120	3	12.5	B15716.0
17.0	175	54	13.5	123	3	14.0	B15717.0
18.0	182	56	14.0	130	3	14.0	B15718.0
19.0	189	58	14.5	131	3	16.0	B15719.0
20.0	195	60	15.0	137	3	16.0	B15720.0

B161

HSS-E

DIN
208

B

H7

- Gépi Dörzsár
- Alezoare de masina
- povrtalo strojno
- Machine Reamer

B161

B161	■	1.1	1.2	1.3	1.4	2.1	4.1	5.1										
	●	1.5	1.6	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	



B161



3.00 - 50.00

d_i $\varnothing$	l_1	l_2	l_3			B161
mm	mm	mm	mm	z	MK	
3.0	113	15	47.5	6	1	B1613.0
4.0	124	19	58.5	6	1	B1614.0
5.0	133	23	67.5	6	1	B1615.0
6.0	138	26	72.5	6	1	B1616.0
7.0	150	31	84.5	6	1	B1617.0
8.0	156	33	90.5	6	1	B1618.0
9.0	162	36	96.5	6	1	B1619.0
10.0	168	38	102.5	6	1	B16110.0
11.0	175	41	109.5	6	1	B16111.0
12.0	182	44	116.5	6	1	B16112.0
13.0	182	44	116.5	6	1	B16113.0
14.0	189	47	123.5	8	1	B16114.0
15.0	204	50	124	8	2	B16115.0
16.0	210	52	130	8	2	B16116.0
17.0	214	54	134	8	2	B16117.0
18.0	219	56	139	8	2	B16118.0
19.0	223	58	143	8	2	B16119.0
20.0	228	60	148	8	2	B16120.0
21.0	232	62	152	8	2	B16121.0
22.0	237	64	157	8	2	B16122.0
23.0	241	66	161	8	2	B16123.0
24.0	268	68	169	8	3	B16124.0
25.0	268	68	169	8	3	B16125.0
26.0	273	70	174	8	3	B16126.0
27.0	277	71	178	10	3	B16127.0
28.0	277	71	178	10	3	B16128.0
29.0	281	73	182	10	3	B16129.0
30.0	281	73	182	10	3	B16130.0
31.0	285	75	186	10	3	B16131.0
32.0	317	77	193	10	4	B16132.0
33.0	317	77	193	10	4	B16133.0
34.0	321	78	197	10	4	B16134.0
35.0	321	78	197	10	4	B16135.0
36.0	325	79	201	10	4	B16136.0
38.0	329	81	205	10	4	B16138.0
40.0	329	81	205	10	4	B16140.0

d_1 Ø	l_1	l_2	l_3	z	MK	B161
mm	mm	mm	mm			
42.0	333	82	209	12	4	B16142.0
44.0	336	83	212	12	4	B16144.0
45.0	336	83	212	12	4	B16145.0
46.0	340	84	216	12	4	B16146.0
47.0	340	84	216	12	4	B16147.0
48.0	344	86	220	12	4	B16148.0
50.0	344	86	220	12	4	B16150.0

d_1 Ø Inch	d_1 Ø mm	l_1 mm	l_2 mm	z	MK	B101
3/4	19.05	200	100	8	2	B1013/4
	20.00	200	100	8	2	B10120.0
13/16	20.64	200	100	8	2	B10113/16
	21.00	200	100	8	2	B10121.0
	22.00	207	107	8	2	B10122.0
7/8	22.22	207	107	8	2	B1017/8
	23.00	207	107	8	2	B10123.0
	24.00	242	115	8	3	B10124.0
	25.00	242	115	10	3	B10125.0
1"	25.40	242	115	10	3	B1011
	26.00	242	115	10	3	B10126.0
	27.00	251	124	10	3	B10127.0
	28.00	251	124	10	3	B10128.0
1.1/8	28.58	251	124	10	3	B1011.1/8
	29.00	251	124	10	3	B10129.0
	30.00	251	124	10	3	B10130.0
	31.00	260	133	10	3	B10131.0
1.1/4	31.75	260	133	10	3	B1011.1/4
	32.00	293	133	10	4	B10132.0
	34.00	302	142	10	4	B10134.0
1.3/8	34.93	302	142	10	4	B1011.3/8
	35.00	302	142	10	4	B10135.0
	36.00	302	142	10	4	B10136.0
	37.00	302	142	10	4	B10137.0
	38.00	312	152	10	4	B10138.0
1.1/2	38.10	312	152	10	4	B1011.1/2
	39.00	312	152	10	4	B10139.0
	40.00	312	152	10	4	B10140.0
	41.00	312	152	10	4	B10141.0
	42.00	312	152	10	4	B10142.0
	43.00	323	163	10	4	B10143.0
	44.00	323	163	10	4	B10144.0
1.3/4	44.45	323	163	10	4	B1011.3/4
	45.00	323	163	12	4	B10145.0
	46.00	323	163	12	4	B10146.0
	47.00	323	163	12	4	B10147.0
	48.00	334	174	12	4	B10148.0
	50.00	334	174	12	4	B10150.0
2"	50.80	334	174	12	4	B1012

B121

B121

- Kúpos Szárú Szegecslyukdörzsár
- Alezor cu coada Morse
- Povrtalo strojno z MK držalom, konicno
- Morse Taper Shank Bridge Reamer

Kúp típus 1:10
Conicitate 1:10
Konus 1:10
With 1:10 starting taper (l3)

B121	■	1.1	1.2	1.3	1.4	3.1	4.1
	■	1.5	1.6	3.2	3.3	3.4	8.2


B121


10.00 - 30.00

d_1 Ø	l_1	l_2	l_3	z	MK	B121
mm	mm	mm	mm			
10.0	171	95	30	4	1	B12110.0
11.0	176	100	33	4	1	B12111.0
12.0	199	105	39	4	2	B12112.0
13.0	199	105	39	4	2	B12113.0
14.0	209	115	42	4	2	B12114.0
15.0	219	125	45	4	2	B12115.0
16.0	229	135	48	4	2	B12116.0
17.0	251	135	51	4	3	B12117.0
18.0	261	145	58	4	3	B12118.0
19.0	261	145	58	4	3	B12119.0
20.0	271	155	62	4	3	B12120.0
21.0	271	155	62	4	3	B12121.0
22.0	281	165	66	4	3	B12122.0
23.0	281	165	66	4	3	B12123.0
24.0	296	180	72	4	3	B12124.0
25.0	296	180	72	4	3	B12125.0
26.0	296	180	72	4	3	B12126.0
30.0	311	195	78	5	3	B12130.0

B954

HSS-E



DIN
2180



1:50

B954

- Gépi, kúpdörzsár, 45°-os balos spirállal
- Alezor de masina, pentru stifturi conice, canale stanga 45°
- Stronjo konicno povrtalo, leva vijacnica 45°, cilindricno vpetje
- Machine Reamer for Conical Pin Left Hand Helix 45°

B954	■	2.1	2.2	2.3	4.1	4.2	4.3	5.1	5.2	5.3	6.1	7.1	7.2	7.3	7.4	8.1
	•	1.1	1.2	1.3	1.4	1.5	1.6	6.2	9.1							



B954



5.00 - 30.00

nom Ø	d ₁ Ø mm	d ₂ Ø mm	l ₁ mm	l ₂ mm	z	MK	B954
5.0	4.90	6.36	155	73	3	1	B9545.0
6.0	5.90	8.00	187	105	3	1	B9546.0
8.0	7.90	10.80	227	145	3	1	B9548.0
10.0	9.90	13.40	257	175	3	1	B95410.0
12.0	11.80	16.00	315	210	3	2	B95412.0
13.0	12.86	16.74	295	194	3	2	B95413.0
14.0	13.86	17.74	295	194	3	2	B95414.0
16.0	15.80	20.40	335	230	3	2	B95416.0
20.0	19.80	24.80	377	250	3	3	B95420.0
25.0	24.70	30.70	427	300	3	3	B95425.0
30.0	29.70	36.10	475	320	4	4	B95430.0

B955

HSS-E

DIN
219

B

H7

B955

- Feltűzhető Dörzsár
- Alezor cu alezaj
- povrtalo nasadno
- Shell Reamer

d2 = B956 d1 nominális átmérője

d2=Diametrul nominal d1 al B956

d2=nominalni premer d1 od B956

d2=Nominal diameter d1of B956

B955	■	1.1	1.2	1.3	1.4	2.1	4.1	5.1										
	●	1.5	1.6	2.2	2.3	3.1	4.2	4.3	5.2	5.3	6.1	6.2	7.1	7.2	7.3	7.4	8.2	



B955



25.00 - 80.00

d ₁ Ø mm	l ₁ mm	l ₂ mm	z	d ₂ Ø mm	B955
25.0	45	32	8	13	B95525.0
26.0	45	32	8	13	B95526.0
27.0	45	32	8	13	B95527.0
28.0	45	32	8	13	B95528.0
29.0	45	32	8	13	B95529.0
30.0	45	32	8	13	B95530.0
31.0	50	36	10	16	B95531.0
32.0	50	36	10	16	B95532.0
34.0	50	36	10	16	B95534.0
35.0	50	36	10	16	B95535.0
36.0	56	40	10	19	B95536.0
37.0	56	40	10	19	B95537.0
38.0	56	40	10	19	B95538.0
40.0	56	40	10	19	B95540.0
42.0	56	40	10	19	B95542.0
44.0	63	45	12	22	B95544.0
45.0	63	45	12	22	B95545.0
48.0	63	45	12	22	B95548.0
50.0	63	45	12	22	B95550.0
52.0	71	50	12	27	B95552.0
55.0	71	50	12	27	B95555.0
58.0	71	50	12	27	B95558.0
60.0	71	50	12	27	B95560.0
65.0	80	56	14	32	B95565.0
70.0	80	56	14	32	B95570.0
75.0	90	63	14	40	B95575.0
80.0	90	63	14	40	B95580.0

B956

HSS-E



B956

- Kúpos szárú Feltűzhető Dörzsár Tengely
- Ax alezoz cu coada Morse
- držalo za nasadno povrtalo (B955)
- Morse Taper Shank Shell Reamer Arbor (B955)



B956

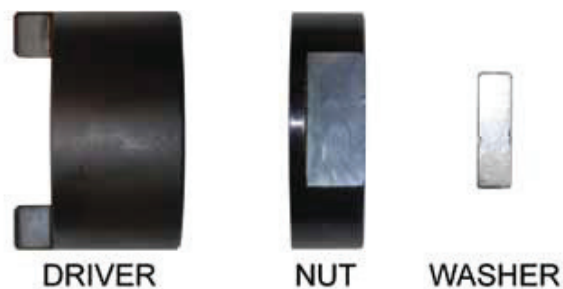


13.00 - 40.00

d_1 Ø	l_1	l_2	l_3	MK	B956
mm	mm	mm	mm		
13.0	250	45	151	3	B95613.0
16.0	261	50	162	3	B95616.0
19.0	298	56	174	4	B95619.0
22.0	312	63	188	4	B95622.0
27.0	359	71	203	5	B95627.0
32.0	376	80	220	5	B95632.0
40.0	396	90	240	5	B95640.0

B957

- Feltűzhető Dörzsár Tengely - Pótalkatrész
- Ax alezor - Piese schimb (B956)
- povrtalo nasadno nastavljivo - rezervni del (B956)
- Shell Reamer Arbor - Spare Parts (B956)



		B957
Nr.	d	
3	13.00	B957N3DRIVER
3		B957N3NUT
3		B957N3WASHER
4	16.00	B957N4DRIVER
4		B957N4NUT
4		B957N4WASHER
5	19.00	B957N5DRIVER
5		B957N5NUT
5		B957N5WASHER
6	22.00	B957N6DRIVER
6		B957N6NUT
6		B957N6WASHER
7	27.00	B957N7DRIVER
7		B957N7NUT
7		B957N7WASHER
8	32.00	B957N8DRIVER
8		B957N8NUT
8		B957N8WASHER
9	40.00	B957N9DRIVER
9		B957N9NUT
9		B957N9WASHER

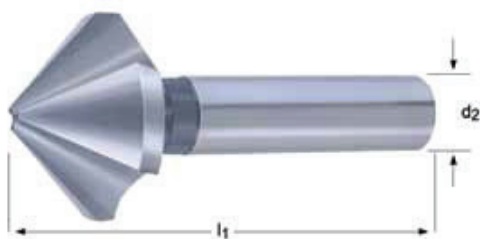
G400



G400

- Kúpsüllyesztő Nagypontosságú tokmány - 90°
- Zencuitoare pentru portscule de precizi - 90°
- Grezilo za visokoprecizna vpenjala - 90°
- Countersink for High Precision Chucks - 90°

G400	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1	8.2



max d mm	min d mm	l ₁ mm	d ₂ Øh ₆ mm	z	G400
6.30	1.5	45	5	3	G4006.3
8.30	2.0	50	6	3	G4008.3
10.40	2.5	50	6	3	G40010.4
12.40	2.8	56	8	3	G40012.4
16.50	3.2	60	10	3	G40016.5
20.50	3.5	63	10	3	G40020.5
25.00	3.8	67	10	3	G40025.0
31.00	4.2	71	12	3	G40031.0

G405


- Kúpsüllyesztő Kétoldalas - 90°
- Zencuitoare doua capete - 90°
- grezilo, dvostransko - 90°
- Countersink Double Ended - 90°

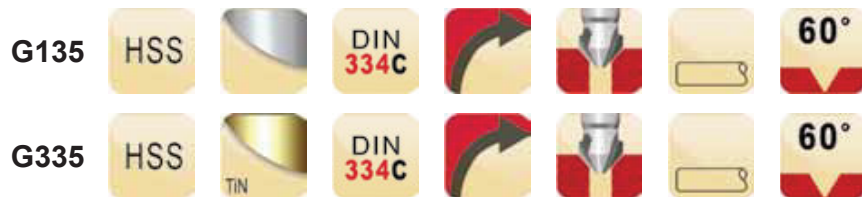
G405

G405	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3
	●	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1


G405


8.30 - 12.40

max d mm	min d mm	l_1 mm	l_3 mm	d_2 $\varnothing h_6$ mm	z	G405
8.30	2.0	67	46	10	3	G4058.3
10.40	2.5	74	47	12	3	G40510.4
12.40	2.8	76	45	14	3	G40512.4



- G135**
- Kúpsüllyesztő - 60°
 - Zencuitoare - 60°
- G335**
- grezilo - 60°
 - Countersink - 60°

G135	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	
	■	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1	8.2
G335	■	1.1	1.2	1.3	3.1	3.2	3.3	3.4	7.1	7.2	7.3	7.4				
	■	1.4	1.5	1.6	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	8.1	8.2



max d mm	min d mm	l ₁ mm	d ₂ Øh ₉ mm	z	G135	G335
6.3	1.6	45	5	3	G1356.3	G3356.3
8.0	2.0	50	6	3	G1358.0	G3358.0
10.0	2.5	50	6	3	G13510.0	G33510.0
12.5	3.2	56	8	3	G13512.5	G33512.5
16.0	4.0	63	10	3	G13516.0	G33516.0
20.0	5.0	67	10	3	G13520.0	G33520.0
25.0	6.3	71	10	3	G13525.0	G33525.0

G137


- Kúpos szárú Kúpsüllyesztő - 60°
- Zencuitoare cu coada Morse - 60°
- grezilo - 60°
- Morse Taper Shank Countersink - 60°

G137

G137	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3
	●	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1


G137


16.00 - 80.00

max d mm	min d mm	l_1 mm	MK	z	G137
16.0	4.0	90	1	3	G13716.0
20.0	5.0	106	2	3	G13720.0
25.0	6.3	112	2	3	G13725.0
31.5	10.0	118	2	3	G13731.5
40.0	12.5	150	3	3	G13740.0
50.0	16.0	160	3	3	G13750.0
63.0	20.0	190	4	3	G13763.0
80.0	25.0	200	4	3	G13780.0

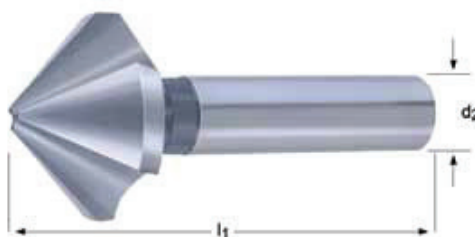
G154



G154

- Kúpsüllyesztő - 82°
- Zencuitoare - 82°
- grezilo - 82°
- Countersink - 82°

G154	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1	8.2



max d mm	min d mm	l_1 mm	d_2 $\varnothing h_9$ mm	z	G154
6.3	1.5	45	5	3	G1546.3
8.3	2.0	50	6	3	G1548.3
10.4	2.5	50	6	3	G15410.4
12.4	2.8	56	8	3	G15412.4
16.5	3.2	60	10	3	G15416.5
20.5	3.5	63	10	3	G15420.5
25.0	3.8	67	10	3	G15425.0

G129


- Kúpsüllyesztő - 90°
- Zencuitoare - 90°
- grezilo - 90°
- Countersink - 90°

G129

G129	■	1.1	1.2	1.3	1.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	
	■	1.5	1.6	2.1	2.2	3.1	3.2	3.3	3.4	4.3	5.3	6.4	7.3	7.4	8.1 8.2


G129


6.00 - 31.50

max d mm	l_1 mm	d_2 $\varnothing h_9$ mm	z	G129
6.00	45	6	1	G1296.0
8.00	50	8	1	G1298.0
10.00	49	8	1	G12910.0
12.50	49	8	1	G12912.5
16.00	56	10	1	G12916.0
20.00	60	10	1	G12920.0
25.00	75	12	1	G12925.0
31.50	80	12	1	G12931.5

G149

HSS-E



90°

- G149**
- Kúpsüllyesztő - 90°
 - Zencuitoare - 90°
 - grezilo - 90°
 - Countersink - 90°

G149

G149	■	1.1	1.2	1.3	1.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	
	●	1.5	1.6	2.1	2.2	3.1	3.2	3.3	3.4	4.3	5.3	6.4	7.3	7.4	8.1



max d mm	min d mm	l ₁ mm	d ₂ Ø mm	d ₁ Ø mm	z	G149
5	2	45	6	10	1	
10	5	48	8	14	1	G14910
15	10	65	10	21	1	G14915
20	15	84	12	28	1	G14920
25	20	102	15	35	1	G14925
30	25	115	15	44	1	G14930
35	30	127	15	48	1	G14935
40	35	136	15	53	1	G14940
50	40	166	20	60	1	G14950

G136	HSS		DIN 335C			
G560	HSS		DIN 335C			
G142	HSS		DIN 335C			
G570	HSS-E		DIN 335C			

G236
185

G236
185

G136

- Kúpsüllyesztő - 90°
- Zencuitoare - 90°
- grezilo - 90°
- Countersink - 90°

G560

- Kúpsüllyesztő extra radiális hátszöggel - 90°
- Zencuitor cu unghi asezare marit - 90°
- grezilo - 90°
- Countersink with extra radial relief - 90°

G142

G570

- Kúpsüllyesztő - 90°
- Zencuitoare - 90°
- grezilo - 90°
- Countersink - 90°

G136	■	1.1	1.2	1.3	1.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	8.1						
	■	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.3	5.3	6.4	7.3	7.4	8.2					
G560	■	1.1	1.2	1.3	1.4	1.5	2.1	3.1	3.2	3.3	3.4	5.1	5.2	5.3	7.3	7.4					
	■	1.6	2.2	2.3	4.1	4.2	4.3	6.1	6.2	6.3	6.4	7.1	7.2	8.1	8.2						
G142	■	1.1	1.2	2.1	2.2	2.3	4.1	5.1	6.1	6.2	7.1	7.2	8.1	8.2							
	■	1.3	1.4	4.2	5.2	6.3	7.3	7.4													
G570	■	1.4	1.5	2.1	2.2	2.3															
	■	1.1	1.2	1.3	1.6	2.4	3.1	3.2	3.3	3.4	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	



G136	G560	G142	G570
4.30 - 31.00	6.30 - 31.00	4.80 - 31.00	6.30 - 31.00

max d mm	min d mm	l ₁ mm	d ₂ Øh ₉ mm	z	G136	G560	G142	G570
4.3	1.3	40	4	3	G1364.3			
4.8	1.3	40	4	3			G1424.8	
5.0	1.5	40	4	3	G1365.0		G1425.0	
5.3	1.5	40	4	3	G1365.3			

max d mm	min d mm	l ₁ mm	d ₂ Øh ₉ mm	z	G136	G560	G142	G570
5.8	1.5	45	5	3	G1365.8			
6.0	1.5	45	5	3	G1366.0		G1426.0	
6.3	1.5	45	5	3	G1366.3	G5606.3	G1426.3	G5706.3
7.0	1.8	50	6	3	G1367.0		G1427.0	
7.3	1.8	50	6	3	G1367.3		G1427.3	
8.0	2.0	50	6	3	G1368.0	G5608.0	G1428.0	
8.3	2.0	50	6	3	G1368.3	G5608.3	G1428.3	G5708.3
9.4	2.2	50	6	3	G1369.4			
10.0	2.5	50	6	3	G13610.0	G56010.0	G14210.0	
10.4	2.5	50	6	3	G13610.4	G56010.4	G14210.4	G57010.4
11.5	2.8	56	8	3	G13611.5		G14211.5	
12.4	2.8	56	8	3	G13612.4	G56012.4	G14212.4	G57012.4
13.4	2.9	56	8	3	G13613.4			
15.0	3.2	60	10	3	G13615.0		G14215.0	
16.5	3.2	60	10	3	G13616.5	G56016.5	G14216.5	G57016.5
19.0	3.5	63	10	3	G13619.0		G14219.0	
20.5	3.5	63	10	3	G13620.5	G56020.5	G14220.5	G57020.5
23.0	3.8	67	10	3	G13623.0		G14223.0	
25.0	3.8	67	10	3	G13625.0	G56025.0	G14225.0	G57025.0
26.0	3.8	67	10	3	G13626.0			
28.0	4.0	71	12	3	G13628.0			
30.0	4.2	71	12	3	G13630.0			
31.0	4.2	71	12	3	G13631.0	G56031.0	G14231.0	G57031.0

G132



G132

- Kúpsüllyesztő - 90°
- Zencuitoare - 90°
- grezilo - 90°
- Countersink - 90°

G132	■	1.5	1.6	3.4	4.2	4.3	5.2	5.3	6.4
	•	1.3	1.4	2.3	8.3				

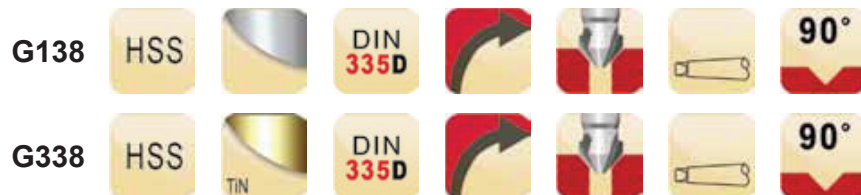


G132



8.00 - 20.00

max d mm	min d mm	l_1 mm	d_2 $\varnothing h_9$ mm	z	G132
8.0	-	48	8	5	G1328.0
12.5	2.0	48	8	5	G13212.5
16.0	3.2	56	10	7	G13216.0
20.0	5.0	60	10	7	G13220.0



- G138** • Kúpos szárú Kúpsüllyesztő - 90°
• Zencuitoare cu coada Morse - 90°
- G338** • grezilo - 90°
• Morse Taper Shank Countersink - 90°

G138	■	1.1	1.2	1.3	1.4	1.5	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	
	•	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.1	7.2	7.3	7.4	8.1	8.2
G338	■	1.1	1.2	1.3	1.4	1.5	3.1	3.2	3.3	3.4	7.1	7.2	7.3	7.4		
	•	1.6	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	8.1	8.2		



max d mm	min d mm	l ₁ mm	MK	z	G138	G338
25.0	3.8	106	2	3	G13825.0	G33825.0
30.0	4.2	112	2	3	G13830.0	
31.0	4.2	112	2	3	G13831.0	G33831.0
34.0	4.5	118	2	3	G13834.0	
37.0	4.8	118	2	3	G13837.0	G33837.0
40.0	10.0	140	3	3	G13840.0	G33840.0
50.0	14.0	150	3	3	G13850.0	G33850.0
63.0	16.0	180	4	3	G13863.0	G33863.0
80.0	22.0	190	4	3	G13880.0	

G171

HSS

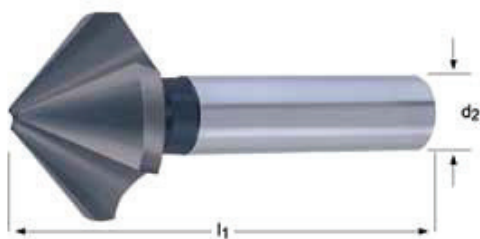
DIN
335C

100°

G171

- Kúpsüllyesztő - 100°
- Zencuitoare - 100°
- grezilo - 100°
- Countersink - 100°

G171	■	1.1	1.2	1.3	3.1	3.2	3.3	3.4	7.1	7.2	7.3	7.4				
	●	1.4	1.5	1.6	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	8.1	8.2



G171

6.30 - 25.00

max d mm	min d mm	l ₁ mm	d ₂ Øh ₃ mm	z	G171
6.3	1.5	44.0	5.0	3	G1716.3
8.3	2.0	49.0	6.0	3	G1718.3
10.4	2.5	49.0	6.0	3	G17110.4
12.4	2.8	53.0	6.0	3	G17112.4
16.5	3.2	56.0	6.0	3	G17116.5
20.5	3.5	61.0	10.0	3	G17120.5
25.0	3.8	65.0	10.0	3	G17125.0

M138


- Lépcsős Lemezfúró
- Burghiu conic
- sveder za plocevino, stopnicasti
- Conical Drill

M138

M138	■	1.1	1.2	1.3	1.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	7.1	7.2	8.1	8.2
	•	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.3	7.4					


M138


No.1 - No.6

Nr.	max d mm	min d mm	l_2 mm	l_1 mm	d_2 h11 mm	M138
1	14	3	36	58	6	M1381
2	20	8	40	62	8	M1382
3	30	16	48	70	10	M1383
4	40	26	51	76	10	M1384
5	50	36	54	79	10	M1385
6	60	46	57	82	13	M1386

G314



G314

- Lépcsős Lemezfúró
- Burghiu conic
- sveder za plocevinu, stopnicasti
- Conical Drill

G314	■	1.1	1.2	1.3	1.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	7.1	7.2	8.1	8.2
	•	1.5	1.6	2.1	2.2	2.3	3.1	3.2	3.3	3.4	6.4	7.3	7.4					



Nr.	d min-max mm	l_3 mm	l_1 mm	d_3 Ø mm	G314
412	4.0 mm ÷ 12.0 mm x 1.0 mm	5.0	80	6.0	G314412
1220	12.0 mm ÷ 20.0 mm x 1.0 mm	4.0	76	9.0	G3141220
2030	20.0 mm ÷ 30.0 mm x 1.0 mm	4.0	88	12.0	G3142030
3040	30.0 mm ÷ 40.0 mm x 1.0 mm	4.0	98	13.0	G3143040
420	4.0 mm ÷ 20.0 mm x 2.0 mm	4.0	76	8.0	G314420
630	6.0 mm ÷ 30.0 mm x 2.0 mm	4.0	98	10.0	G314630
M	9.0 mm ÷ 36.0 mm x 3.0 mm	3.0	86	12.0	G314M

G125

HSS

DIN
373

180°

- Csapos süllyesztő - 180°
- Lamatoare - 180°
- grezilo za imbus vijake - 180°
- Counterbore - 180°

G125

G125	■	1.1	1.2	1.3	2.1	3.1	3.2	7.1	7.2	8.1									
	■	1.4	1.5	1.6	2.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	7.3	7.4	8.2



G125



6.50 - 20.00

d ₁ Øz ₉ mm	d ₂ Øe ₈ mm	M	l ₁ mm	l ₂ mm	d ₃ Øh ₃ mm	z	G125
6.5	2.5	M 3 t	71	14	5.0	3	G1256.5X2.5
6.5	3.2	M 3 f	71	14	5.0	3	G1256.5X3.2
6.5	3.4	M 3 m	71	14	5.0	3	G1256.5X3.4
8.0	3.3	M 4 t	71	14	5.0	3	G1258.0X3.3
8.0	4.3	M 4 f	71	14	5.0	3	G1258.0X4.3
8.0	4.5	M 4 m	71	14	5.0	3	G1258.0X4.5
10.0	4.2	M 5 t	80	18	8.0	3	G12510.0X4.2
10.0	5.3	M 5 f	80	18	8.0	3	G12510.0X5.3
10.0	5.5	M 5 m	80	18	8.0	3	G12510.0X5.5
11.0	5.0	M 6 t	80	18	8.0	3	G12511.0X5.0
11.0	6.4	M 6 f	80	18	8.0	3	G12511.0X6.4
11.0	6.6	M 6 m	80	18	8.0	3	G12511.0X6.6
15.0	6.8	M 8 t	100	22	12.5	3	G12515.0X6.8
15.0	8.4	M 8 f	100	22	12.5	3	G12515.0X8.4
15.0	9.0	M 8 m	100	22	12.5	3	G12515.0X9.0
18.0	8.5	M 10 t	100	22	12.5	3	G12518.0X8.5
18.0	10.5	M 10 f	100	22	12.5	3	G12518.0X10.5
18.0	11.0	M 10 m	100	22	12.5	3	G12518.0X11.0
20.0	10.2	M 12 t	100	22	12.5	3	G12520.0X10.2
20.0	13.0	M 12 f	100	22	12.5	3	G12520.0X13.0
20.0	13.5	M 12 m	100	22	12.5	3	G12520.0X13.5

¹⁾ t = menetes furathoz / t = pentru gaura ce se fileteaza / t = za luknjo za navojni sveder / t= for tap hole

²⁾ f= átmenő furatokhoz / f= pentru gauri strapunse fine / f = za skožnjo luknjo (fine) / f= for through hole fine

³⁾ m = átmeno furathoz - közepes / m = pentru treceri de suruburi precizie medii / m = za skožnjo luknjo (medium) / m= for through hole medium

G236

- Kúpsüllyesztő készlet
- Set zencuitoare
- grezila v garnituri
- Countersink set

A=Típusok a készletben, B=Száma a készletben, C=Átmérők a készletben
A=tipuri în set, B=Nr. în Set, C=Diametre în Set
A=v setu, B=Št.svedrov v grt, C=Premeri v grt
A=Styles in Set, B=No. in Set, C=Diameters in Set



Set

				G236
Nr.	A	B	C	
1	G136	6	6.30 mm, 8.30 mm, 10.40 mm, 12.40 mm, 16.50 mm, 20.50 mm	G2361
2	G136	4	6.30 mm, 10.40 mm, 16.50 mm, 20.50 mm	G2362
3	G560	6	6.30 mm, 8.30 mm, 10.40 mm, 12.40 mm, 16.50 mm, 20.50 mm	G2363