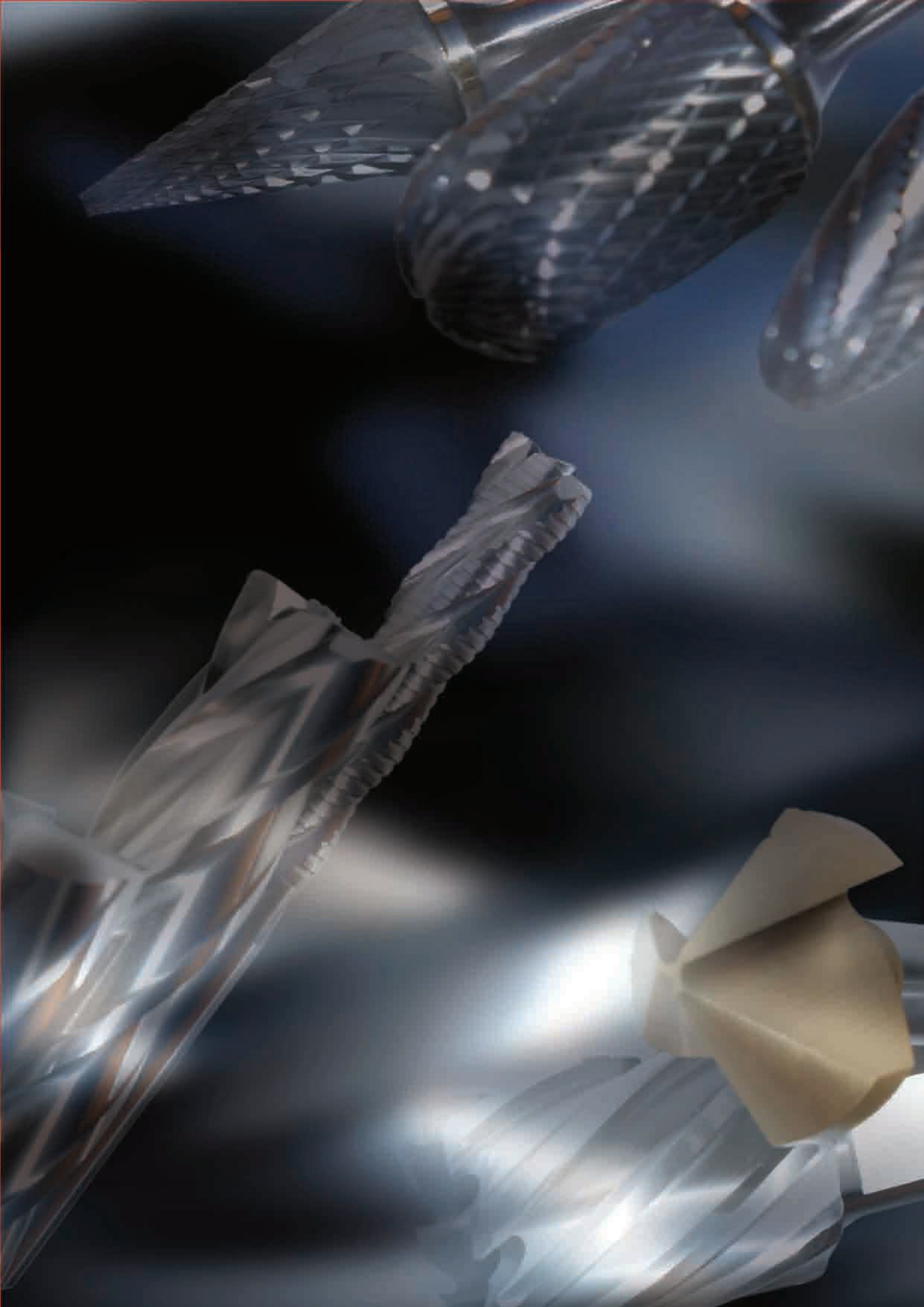


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SPIS TREŚCI

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24040		~ DIN 6527	VHM		3z	   	1.000 mm	11
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24010		~ DIN 6527	VHM		2z	   	1.000 mm	13
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24030		~ DIN 6527	VHM		4z	   	1.000 mm	14
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WIERTŁA WALCOWE Z WĘGLIKÓW SPIEKANYCH / Tungsten carbide straight shank drills

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FREZY TRZPIENIOWE / End mills

32000		DIN 327 B K	HSS	2x	  	22
32010		DIN 327 D K	HSS	2x	  	22
32200		DIN 327 B K R	HSS	2x	  	23
32210		DIN 327 D K R	HSS	2x	  	23
32026		DIN 327 D K	HSS PM	AITN	2x	24
32226		DIN 327 D K R	HSS PM	AITN	2x	24
34000		DIN 844 A K N	HSS	4x	   	25
34010		DIN 844 B K M N	HSS	4x	   	25
34100		DIN 844 A L N	HSS	4x	   	26
34110		DIN 844 B L M N	HSS	4x	   	26
34026		DIN 844 B K M N	HSS PM	AITN	4x	27
34126		DIN 844 B L M N	HSS PM	AITN	4x	27
34210		DIN 844 B K M NR	HSS	4x	   	28
34410		DIN 844 B K M NF	HSS	4x	   	28
34310		DIN 844 B L M NR	HSS	4x	   	29
34510		DIN 844 B L M NF	HSS	4x	   	29
34226		DIN 844 B K M NR	HSS PM	AITN	4x	30
34326		DIN 844 B L M NR	HSS PM	AITN	4x	30
36000		DIN 845 B K N	HSS	2>4	   	31
36010		DIN 845 B K N	HSS	2>4	   	31
36100		DIN 845 B L N	HSS	2>4	   	32
36110		DIN 845 B L N	HSS	2>4	   	32
36210		DIN 845 B K NR	HSS	2>4	   	33
36310		DIN 845 B L NR	HSS	2>4	   	33

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25002		DIN 335 C	HSS TiN		3x	400	39
25100		DIN 335 D	HSS		3x	400	39

NAWIERTAKI / Counter drills

26100		DIN 333 A	HSS			800	40
26200		DIN 333 B	HSS			400	40

WIERTŁA WALCOWE / Straight shank drills

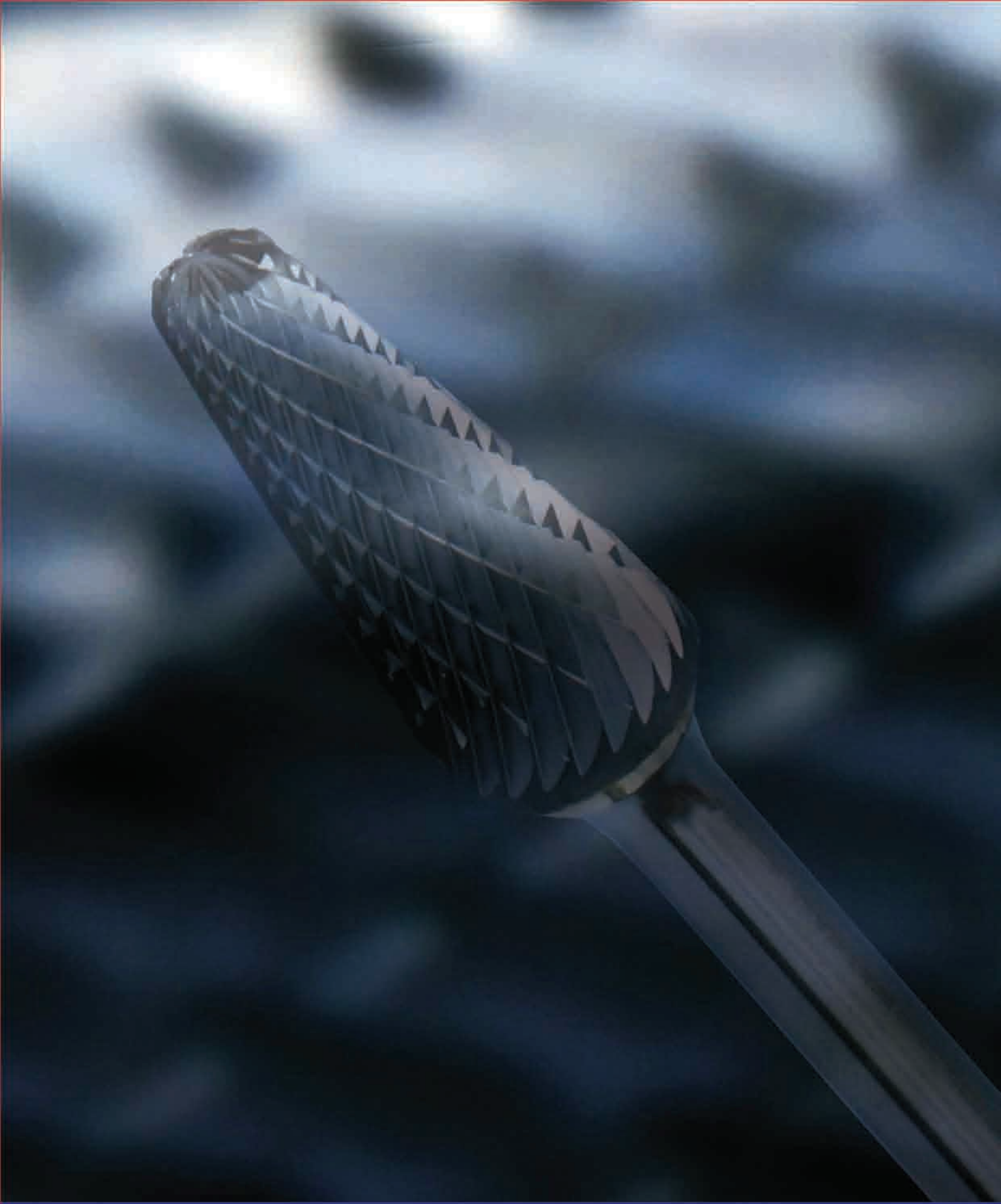
41101		DIN 338 N	HSS			400	42
41104		DIN 338 MR	HSS			400	44
41103		DIN 338 H	HSS			400	45
41105		DIN 338 N	HSSB			1100	46
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41106		DIN 338 IX	HSSB			400	49
41162		DIN 338 IX	HSSB TiAlN			400	50
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WIERTŁA NA STOŻKU MORSE'A / Taper shank drills

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NARZĘDZIA Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide tools

PILNIKI OBROTOWE

Rotary burrs

PILNIKI OBROTOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide rotary burrs



A

WALCOWY
Cylinder

ISO
A

DIN
ZYA

VHM

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

1.440

1.402

GG

ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
A0313	3	13	38	3	○	●			
A0613-3	6	13	50	3	○	●			
A0616	6	16	50	6	○	●	○	●	
A0820	8	20	65	6	○	●	○	●	
A1020	10	20	65	6	○	●	○	●	○
A1225	12,7	25	70	6	○	●	○	●	○
A1225-8	12,7	25	70	8	○	○	○	○	
A1625	16	25	70	6	○	●	○	●	○
A1625-8	16	25	70	8	○	○	○	○	

B

WALCOWY Z OSTRZAMI NA CZOLE
Cylinder with end cut

ISO
B

DIN
ZYAS

VHM

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

1.440

1.402

GG

ALU



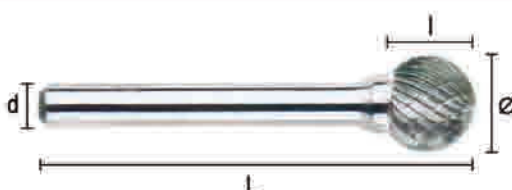
KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
B0313	3	13	38	3	○	●			
B0613-3	6	13	50	3	○	●			
B0616	6	16	50	6	○	●	○	●	
B0820	8	20	65	6	○	●	○	●	
B1020	10	20	65	6	○	●	○	●	○
B1225	12,7	25	70	6	○	●	○	●	○
B1225-8	12,7	25	70	8	○	○	○	○	
B1625	16	25	70	6	○	●	○	●	○
B1625-8	16	25	70	8	○	○	○	○	

C	WALCOWY ZAOKRĄGLONY <i>Ball nosed cylinder</i>	ISO C	DIN WRC	VHM
ZASTOSOWANIE Applications:	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
C0313	3	13	38	3	○	●		○	
C0613-3	6	13	50	3	○	●		○	
C0616	6	16	50	6	○	●	○	●	
C0820	8	20	65	6	○	●	○	●	
C1020	10	20	65	6	○	●	○	●	○
C1225	12,7	25	70	6	○	●	○	●	○
C1225-8	12,7	25	70	8	○	●	○	●	
C1625	16	25	70	6	○	●	○	●	○
C1625-8	16	25	70	8	○	○	○	○	

D	KULISTY <i>Ball</i>	ISO D	DIN KUD	VHM
ZASTOSOWANIE Applications:	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
D0303	3	3	38	3	○	●			
D0605-3	6	5	43	3	○	●			
D0605	6	5	50	6	○	●	○	●	
D0807	8	7	50	6	○	●	○	●	
D1009	10	9	60	6	○	●	○	●	○
D1210	12,7	10	60	6	○	●	○	●	○
D1210-8	12,7	10	60	8	○	○	○	○	
D1614	16	14	65	6	○	●	○	●	○
D1614-8	16	14	65	8	○	○	○	○	
D1917	19	17	68	6	○	●	○	●	
D1917-8	19	17	68	8	○	○	○	○	

PILNIKI OBROTOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide rotary burrs



E	OWALNY <i>Oval</i>	ISO E	DIN TRE	VHM
ZASTOSOWANIE <i>Applications:</i>	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
E0306	3	6	38	3	○	●			
E0610-3	6	10	50	3	○	●			
E0610	6	10	50	6	○	●	○	●	
E0813	8	13	60	6			○	●	
E1016	10	16	60	6	○	●	○	●	○
E1220	12,7	20	65	6	○	●	○	●	○
E1220-8	12,7	20	65	8	○	○	○	○	
E1625	16	25	70	6	○	●	○	●	○
E1625-8	16	25	70	8	○	○	○	○	

F	OSTROŁUKOWY ZAOKRĄGLONY <i>Ball nosed tree</i>	ISO F	DIN RBF	VHM
ZASTOSOWANIE <i>Applications:</i>	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
F0313	3	13	38	3	○	●			
F0613-3	6	13	50	3	○	●			
F0616	6	16	50	6	○	●	○	●	
F0820	8	20	65	6			○	●	
F1020	10	20	65	6	○	●	○	●	○
F1225	12,7	25	70	6	○	●	○	●	○
F1225-8	12,7	25	70	8	○	●	○	●	
F1625	16	25	70	6	○	●	○	●	○
F1625-8	16	25	70	8	○	○	○	○	

PILNIKI OBROTOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide rotary burrs



G

OSTROŁUKOWY
Tree

ISO
G

DIN
SPG

VHM

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
G0313	3	13	38	3	○	●			
G0613-3	6	13	50	3	○	●			
G0616	6	16	50	6	○	●	○	●	
G0820	8	20	65	6	○	●	○	●	
G1020	10	20	65	6	○	●	○	●	○
G1225	12,7	25	70	6	○	●	○	●	○
G1225-8	12,7	25	70	8	○	○	○	○	
G1625	16	25	70	6	○	●	○	●	○
G1625-8	16	25	70	8	○	○	○	○	

H

PŁOMIENIOWY
Flame

ISO
H

VHM

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
H0308	3	8	38	3	○	●			
H0618	6	18	50	6	○	●	○	●	
H0820	8	20	65	6	○	●	○	●	
H1025	10	25	70	6			○	●	○
H1232	12,7	32	76	6	○	●	○	●	○
H1232-8	12,7	32	76	8	○	○	○	○	
H1636	16	36	80	6	○	●	○	●	○
H1636-8	16	36	80	8	○	○	○	○	

● Standard
● Standard

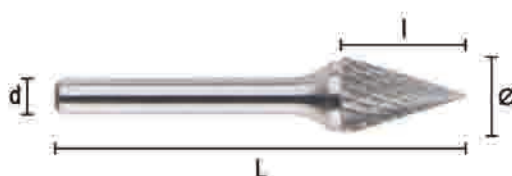
○ Czas dostawy na zapytanie
○ Lead time on enquiry

L	STOŻKOWY ZAOKRĄGLONY <i>Ball nosed cone</i>	ISO L	DIN KEL	VHM
ZASTOSOWANIE <i>Applications:</i>	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
L0313	3	13	38	3	○	●			
L0616	6	16	50	6	○	●	○	●	
L0820	8	20	50	6	○	●	○	●	
L1025	10	25	70	6	○	●	○	●	○
L1232	12,7	32	73	6	○	●	○	●	○
L1232-8	12,7	32	73	8	○	●	○	●	○
L1633	16	33	78	6	○	●	○	●	○
L1633-8	16	33	78	8	○	○	○	○	

M	STOŻKOWY <i>Cone</i>	ISO M	DIN SKM	VHM
ZASTOSOWANIE <i>Applications:</i>	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
M0311	3	11	38	3	○	●			
M0613	6	13	50	6	○	●			
M0618	6	18	50	6	○	●	○	●	
M0625	6	25	50	6	○	●			
M0820	8	20	65	6			○	●	
M1020	10	20	65	8	○	●	○	●	○
M1225	12,7	25	70	6	○	●	○	●	○
M1225-8	12,7	25	70	8	○	○	○	○	
M1625	16	25	70	6	○	●	○	●	○
M1625-8	16	25	70	8	○	○	○	○	

K	POGŁĘBIACZ 90° Countersink 90°	ISO K	DIN KSK	VHM
ZASTOSOWANIE Applications:	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
K0302	3	1,5	38	3	○	○			
K0603	6	3	50	6	○	○	○	○	
K1005	10	5	50	6	○	○	○	○	
K1206	12,7	6	51	6	○	○	○	○	
K1608	16	8	53	6	○	○	○	○	
K1910	19	10	55	6	○	○	○	○	
K2512	25	12	58	6	○	○	○	○	

N	ODWRÓCONY STOŻEK Inverted cone	ISO N	DIN WKN	VHM
ZASTOSOWANIE Applications:	Rm 800 – 1100 N/mm ²	STAL / Steel	GG	ALU



KOD	Ø	l	L	d	PRO LINE		ECONOMIC LINE		
					S	D	S	DZ	ALU
N0304	3	4	38	3	○	○			
N0608	6	8	50	6	○	○	○	○	
N1010	10	10	55	6	○	○	○	○	
N1212	12,7	12	58	6	○	○	○	○	
N1212-8	12,7	12	58	6			○	○	
N1619	16	19	64	8	○	○	○	○	
N1619-8	16	19	64	6			○	○	
N1916	19	16	61	8	○	○	○	○	





NARZĘDZIA Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide tools

FREZY TRZPIENIOWE

End mills

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24000

~ DIN 6527

2 z



VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24000020	2	6	38	3	●	24000100	10	22	70	10	●
24000030	3	12	38	3	●	24000120	12	25	75	12	●
24000040	4	14	50	4	●	24000140	14	30	88	14	○
24000050	5	16	50	5	●	24000160	16	32	88	16	○
24000060	6	19	63	6	●	24000180	18	36	100	18	○
24000080	8	19	63	8	●	24000200	20	38	100	20	○

24004

~ DIN 6527

2 z



TiAIN

VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24004020	2	6	38	3	●	24004100	10	22	70	10	●
24004030	3	12	38	3	●	24004120	12	25	75	12	●
24004040	4	14	50	4	●	24004140	14	30	88	14	○
24004050	5	16	50	5	●	24004160	16	32	88	16	○
24004060	6	19	63	6	●	24004180	18	36	100	18	○
24004080	8	19	63	8	●	24004200	20	38	100	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24040

~ DIN 6527

3 z

30°

VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24040020	2	6	38	3	○	24040100	10	22	70	10	●
24040030	3	12	38	3	●	24040120	12	25	75	12	●
24040040	4	14	50	4	●	24040140	14	30	88	14	○
24040050	5	16	50	5	●	24040160	16	32	88	16	○
24040060	6	19	63	6	●	24040180	18	36	100	18	○
24040080	8	19	63	8	●	24040200	20	38	100	20	○

24044

~ DIN 6527

3 z

30°

TiAlN

VHM

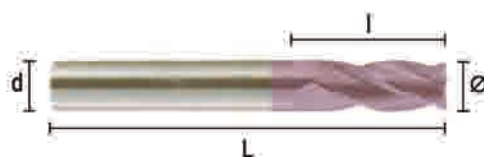
ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24044020	2	6	38	3	○	24044100	10	22	70	10	●
24044030	3	12	38	3	●	24044120	12	25	75	12	●
24044040	4	14	50	4	●	24044140	14	30	88	14	○
24044050	5	16	50	5	●	24044160	16	32	88	16	○
24044060	6	19	63	6	●	24044180	18	36	100	18	○
24044080	8	19	63	8	●	24044200	20	38	100	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24020

~ DIN 6527

4 z



VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG

1100



KOD	Ø	I	L	d	D/S	KOD	Ø	I	L	d	D/S
24020020	2	6	38	3	●	24020100	10	22	70	10	●
24020030	3	12	38	3	●	24020120	12	25	75	12	●
24020040	4	14	50	4	●	24020140	14	30	88	14	○
24020050	5	16	50	5	●	24020160	16	32	88	16	○
24020060	6	19	63	6	●	24020180	18	36	100	18	○
24020080	8	19	63	8	●	24020200	20	38	100	20	○

24024

~ DIN 6527

4 z



TiAIN

VHM

ZASTOSOWANIE
Applications

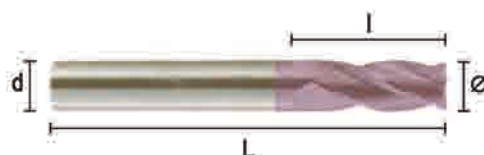
Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG

1100



KOD	Ø	I	L	d	D/S	KOD	Ø	I	L	d	D/S
24024020	2	6	38	3	●	24024100	10	22	70	10	●
24024030	3	12	38	3	●	24024120	12	25	75	12	●
24024040	4	14	50	4	●	24024140	14	30	88	14	○
24024050	5	16	50	5	●	24024160	16	32	88	16	○
24024060	6	19	63	6	●	24024180	18	36	100	18	○
24024080	8	19	63	8	●	24024200	20	38	100	20	○

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24010

~ DIN 6527

2 z

VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24010020	2	6	38	3	●	24010100	10	22	70	10	●
24010030	3	12	38	3	●	24010120	12	25	75	12	●
24010040	4	14	50	4	●	24010140	14	30	88	14	○
24010050	5	16	50	5	●	24010160	16	32	88	16	○
24010060	6	19	63	6	●	24010180	18	36	100	18	○
24010080	8	19	63	8	●	24010200	20	38	100	20	○

24014

~ DIN 6527

2 z

TiAIN

VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
24014020	2	6	38	3	●	24014100	10	22	70	10	●
24014030	3	12	38	3	●	24014120	12	25	75	12	●
24014040	4	14	50	4	●	24014140	14	30	88	14	○
24014050	5	16	50	5	●	24014160	16	32	88	16	○
24014060	6	19	63	6	●	24014180	18	36	100	18	○
24014080	8	19	63	8	●	24014200	20	38	100	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24030

~ DIN 6527

4 z



VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	I	L	d	D/S
24030020	2	6	38	3	●
24030030	3	12	38	3	●
24030040	4	14	50	4	●
24030050	5	16	50	5	●
24030060	6	19	63	6	●
24030080	8	19	63	8	●

KOD	Ø	I	L	d	D/S
24030100	10	22	70	10	●
24030120	12	25	75	12	●
24030140	14	30	88	14	○
24030160	16	32	88	16	○
24030180	18	36	100	18	○
24030200	20	38	100	20	○

24034

~ DIN 6527

4 z



TiAIN

VHM

ZASTOSOWANIE
Applications

Rm 1100 – 1400 N/mm²

STAL / Steel

1100

GG



KOD	Ø	I	L	d	D/S
24034020	2	6	38	3	●
24034030	3	12	38	3	●
24034040	4	14	50	4	●
24034050	5	16	50	5	●
24034060	6	19	63	6	●
24034080	8	19	63	8	●

KOD	Ø	I	L	d	D/S
24034100	10	22	70	10	●
24034120	12	25	75	12	●
24034140	14	30	88	14	○
24034160	16	32	88	16	○
24034180	18	36	100	18	○
24034200	20	38	100	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24045

~ DIN 6527

3 z



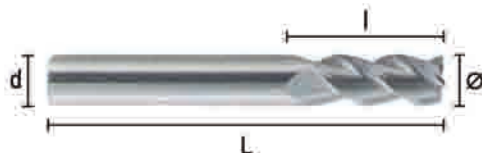
VHM

ZASTOSOWANIE
Applications:

ALU

ALUMINIUM / Aluminium

3000
1100



KOD	Ø	l	L	d	D/S
24045030	3	12	38	3	○
24045040	4	15	50	4	○
24045050	5	20	50	5	○
24045060	6	20	64	6	○
24045080	8	22	64	8	○
24045100	10	25	70	10	○

KOD	Ø	l	L	d	D/S
24045120	12	25	76	12	○
24045140	14	30	90	14	○
24045160	16	35	90	16	○
24045180	18	35	90	18	○
24045200	20	40	100	20	○

24046

~ DIN 6527

3 z



TiAlN

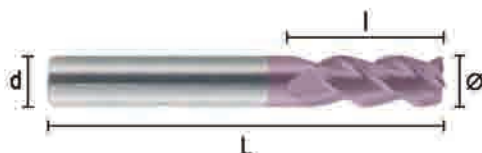
VHM

ZASTOSOWANIE
Applications:

ALU

ALUMINIUM / Aluminium

3000
1100



KOD	Ø	l	L	d	D/S
24046030	3	12	38	3	○
24046040	4	15	50	4	○
24046050	5	20	50	5	○
24046060	6	20	64	6	○
24046080	8	22	64	8	○
24046100	10	25	70	10	○

KOD	Ø	l	L	d	D/S
24046120	12	25	76	12	○
24046140	14	30	90	14	○
24046160	16	35	90	16	○
24046180	18	35	90	18	○
24046200	20	40	100	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

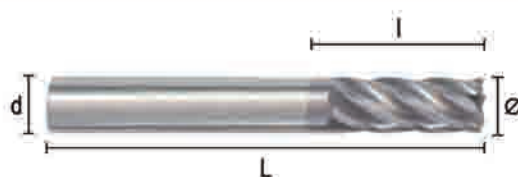
○ Czas dostawy na zapytanie
○ Lead time on enquiry

FREZY TRZPIENIOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide end mills



24055	~ DIN 6527	6 z				TiAlN	VHM
ZASTOSOWANIE Applications:	63 HRC	STAL / Steel					



KOD	Ø	I	L	d	D/S	KOD	Ø	I	L	d	D/S
24055050	5	16	50	6	○	24055140	14	30	88	14	○
24055060	6	19	63	6	○	24055160	16	32	88	16	○
24055080	8	21	63	8	○	24055180	18	35	100	18	○
24055100	10	22	70	10	○	24055200	20	38	100	20	○
24055120	12	25	75	12	○						



NARZĘDZIA Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide tools

WIERTŁA
Drills

WIERTŁA WALCOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide straight shank drills



41109

DIN 338 N



ZASTOSOWANIE
Applications:

Rm 1100 – 1400 N/mm²

STAL / Steel



T10

GG



KOD	Ø	I	L	D/S	KOD	Ø	I	L	D/S
411090200	2,00	24	49	○	411090630	6,30	63	101	○
411090210	2,10	24	49	○	411090640	6,40	63	101	○
411090220	2,20	27	53	○	411090650	6,50	63	101	○
411090230	2,30	27	53	○	411090660	6,60	63	101	○
411090240	2,40	30	57	○	411090670	6,70	63	101	○
411090250	2,50	30	57	○	411090680	6,80	69	109	○
411090260	2,60	30	57	○	411090690	6,90	69	109	○
411090270	2,70	33	61	○	411090700	7,00	69	109	○
411090280	2,80	33	61	○	411090710	7,10	69	109	○
411090290	2,90	33	61	○	411090720	7,20	69	109	○
411090300	3,00	33	61	○	411090730	7,30	69	109	○
411090310	3,10	36	65	○	411090740	7,40	69	109	○
411090320	3,20	36	65	○	411090750	7,50	69	109	○
411090330	3,30	36	65	○	411090760	7,60	75	117	○
411090340	3,40	39	70	○	411090770	7,70	75	117	○
411090350	3,50	39	70	○	411090780	7,80	75	117	○
411090360	3,60	39	70	○	411090790	7,90	75	117	○
411090370	3,70	39	70	○	411090800	8,00	75	117	○
411090380	3,80	43	75	○	411090810	8,10	75	117	○
411090390	3,90	43	75	○	411090820	8,20	75	117	○
411090400	4,00	43	75	○	411090830	8,30	75	117	○
411090410	4,10	43	75	○	411090840	8,40	75	117	○
411090420	4,20	43	75	○	411090850	8,50	75	117	○
411090430	4,30	47	80	○	411090860	8,60	81	125	○
411090440	4,40	47	80	○	411090870	8,70	81	125	○
411090450	4,50	47	80	○	411090880	8,80	81	125	○
411090460	4,60	47	80	○	411090890	8,90	81	125	○
411090470	4,70	47	80	○	411090900	9,00	81	125	○
411090480	4,80	52	86	○	411090910	9,10	81	125	○
411090490	4,90	52	86	○	411090920	9,20	81	125	○
411090500	5,00	52	86	○	411090930	9,30	81	125	○
411090510	5,10	52	86	○	411090940	9,40	81	125	○
411090520	5,20	52	86	○	411090950	9,50	81	125	○
411090530	5,30	52	86	○	411090960	9,60	87	133	○
411090540	5,40	57	93	○	411090970	9,70	87	133	○
411090550	5,50	57	93	○	411090980	9,80	87	133	○
411090560	5,60	57	93	○	411090990	9,90	87	133	○
411090570	5,70	57	93	○	411091000	10,00	87	133	○
411090580	5,80	57	93	○	411091020	10,20	87	133	○
411090590	5,90	57	93	○	411091050	10,50	87	133	○
411090600	6,00	57	93	○	411091100	11,00	94	142	○
411090610	6,10	63	101	○	411091150	11,50	94	142	○
411090620	6,20	63	101	○	411091200	12,00	101	151	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

WIERTŁA WALCOWE Z WĘGLIKÓW SPIEKANYCH

Tungsten carbide straight shank drills



41163

DIN 338 N



TiAIN

VHM

ZASTOSOWANIE
Applications:

Rm 1100 – 1400 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	D/S	KOD	Ø	I	L	D/S
411630200	2,00	24	49	○	411630630	6,30	63	101	○
411630210	2,10	24	49	○	411630640	6,40	63	101	○
411630220	2,20	27	53	○	411630650	6,50	63	101	○
411630230	2,30	27	53	○	411630660	6,60	63	101	○
411630240	2,40	30	57	○	411630670	6,70	63	101	○
411630250	2,50	30	57	○	411630680	6,80	69	109	○
411630260	2,60	30	57	○	411630690	6,90	69	109	○
411630270	2,70	33	61	○	411630700	7,00	69	109	○
411630280	2,80	33	61	○	411630710	7,10	69	109	○
411630290	2,90	33	61	○	411630720	7,20	69	109	○
411630300	3,00	33	61	○	411630730	7,30	69	109	○
411630310	3,10	36	65	○	411630740	7,40	69	109	○
411630320	3,20	36	65	○	411630750	7,50	69	109	○
411630330	3,30	36	65	○	411630760	7,60	75	117	○
411630340	3,40	39	70	○	411630770	7,70	75	117	○
411630350	3,50	39	70	○	411630780	7,80	75	117	○
411630360	3,60	39	70	○	411630790	7,90	75	117	○
411630370	3,70	39	70	○	411630800	8,00	75	117	○
411630380	3,80	43	75	○	411630810	8,10	75	117	○
411630390	3,90	43	75	○	411630820	8,20	75	117	○
411630400	4,00	43	75	○	411630830	8,30	75	117	○
411630410	4,10	43	75	○	411630840	8,40	75	117	○
411630420	4,20	43	75	○	411630850	8,50	75	117	○
411630430	4,30	47	80	○	411630860	8,60	81	125	○
411630440	4,40	47	80	○	411630870	8,70	81	125	○
411630450	4,50	47	80	○	411630880	8,80	81	125	○
411630460	4,60	47	80	○	411630890	8,90	81	125	○
411630470	4,70	47	80	○	411630900	9,00	81	125	○
411630480	4,80	52	86	○	411630910	9,10	81	125	○
411630490	4,90	52	86	○	411630920	9,20	81	125	○
411630500	5,00	52	86	○	411630930	9,30	81	125	○
411630510	5,10	52	86	○	411630940	9,40	81	125	○
411630520	5,20	52	86	○	411630950	9,50	81	125	○
411630530	5,30	52	86	○	411630960	9,60	87	133	○
411630540	5,40	57	93	○	411630970	9,70	87	133	○
411630550	5,50	57	93	○	411630980	9,80	87	133	○
411630560	5,60	57	93	○	411630990	9,90	87	133	○
411630570	5,70	57	93	○	411631000	10,00	87	133	○
411630580	5,80	57	93	○	411631020	10,20	87	133	○
411630590	5,90	57	93	○	411631050	10,50	87	133	○
411630600	6,00	57	93	○	411631100	11,00	94	142	○
411630610	6,10	63	101	○	411631150	11,50	94	142	○
411630620	6,20	63	101	○	411631200	12,00	101	151	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry





FREZY TRZPIENIOWE

End mills

HSS HSSE HSSE - PM

32000

DIN 327 B K

2 z



HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
32000030	3	5	49	6	●	32000110	11	13	70	12	●
32000040	4	7	51	6	●	32000120	12	16	73	12	●
32000050	5	8	52	6	●	32000130	13	16	73	12	●
32000060	6	8	52	6	●	32000140	14	16	73	12	●
32000070	7	10	60	10	●	32000150	15	16	73	12	○
32000080	8	11	61	10	●	32000160	16	19	79	16	●
32000090	9	11	61	10	●	32000180	18	19	79	16	●
32000100	10	13	63	10	●	32000200	20	22	88	20	●

32010

DIN 327 D K

2 z



HSSE

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
32010020	2	4	48	6	●	32010110	11	13	70	12	●
32010030	3	5	49	6	●	32010120	12	16	73	12	●
32010040	4	7	51	6	●	32010130	13	16	73	12	●
32010050	5	8	52	6	●	32010140	14	16	73	12	●
32010060	6	8	52	6	●	32010150	15	16	73	12	○
32010070	7	10	60	10	●	32010160	16	19	79	16	●
32010080	8	11	61	10	●	32010180	18	19	79	16	●
32010090	9	11	61	10	●	32010200	20	22	88	20	●
32010100	10	13	63	10	●						

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

32200

DIN 327 B K R

2 z



HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	d	D/S
32200040	4	7	51	6	○
32200050	5	8	52	6	○
32200060	6	8	52	6	○
32200070	7	10	60	10	○
32200080	8	11	61	10	○
32200090	9	11	61	10	○
32200100	10	13	63	10	○
32200110	11	16	70	12	○

KOD	Ø	l	L	d	D/S
32200120	12	16	73	12	○
32200130	13	16	73	12	○
32200140	14	16	73	12	○
32200150	15	16	73	12	○
32200160	16	19	79	16	○
32200180	18	19	79	16	○
32200200	20	22	88	20	○

32210

DIN 327 D K R

2 z



HSSE

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
32210040	4	7	51	6	○
32210050	5	8	52	6	○
32210060	6	8	52	6	○
32210070	7	10	60	10	○
32210080	8	11	61	10	○
32210090	9	11	61	10	○
32210100	10	13	63	10	○
32210110	11	16	70	12	○

KOD	Ø	l	L	d	D/S
32210120	12	16	73	12	○
32210130	13	16	73	12	○
32210140	14	16	73	12	○
32210150	15	16	73	12	○
32210160	16	19	79	16	○
32210180	18	19	79	16	○
32210200	20	22	88	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

32026

DIN 327 D K

2 z



AITiN

HSSE
PM

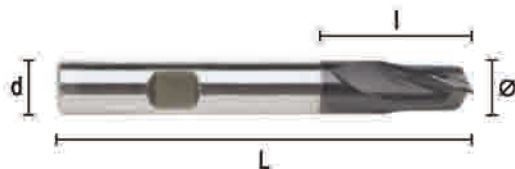
ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
32026040	4	7	51	6	○	32026100	10	13	63	10	○
32026050	5	8	52	6	○	32026120	12	16	73	12	○
32026060	6	8	52	6	○	32026140	14	16	73	12	○
32026070	7	10	60	10	○	32026160	16	19	79	16	○
32026080	8	11	61	10	○	32026180	18	19	79	16	○
32026090	9	11	61	10	○	32026200	20	22	88	20	○

32226

DIN 327 D K R

2 Z



AITiN

HSSE
PM

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
32226060	6	8	52	6	○	32226140	14	16	73	12	○
32226080	8	11	61	10	○	32226160	16	19	79	16	○
32226100	10	13	63	10	○	32226180	18	19	79	16	○
32226120	12	16	73	12	○	32226200	20	22	88	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

34000

DIN 844 A K N

4 z



HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
34000030	3	8	52	6	●	34000110	11	22	79	12	○
34000040	4	11	55	6	●	34000120	12	26	83	12	●
34000050	5	13	57	6	●	34000130	13	26	83	12	○
34000060	6	13	57	6	●	34000140	14	26	83	12	●
34000070	7	16	66	10	○	34000150	15	26	83	12	○
34000080	8	19	69	10	●	34000160	16	32	92	16	●
34000090	9	19	69	10	○	34000180	18	32	92	16	●
34000100	10	22	72	10	●	34000200	20	38	104	20	●

34010

DIN 844 B K M N

4 Z



HSSE

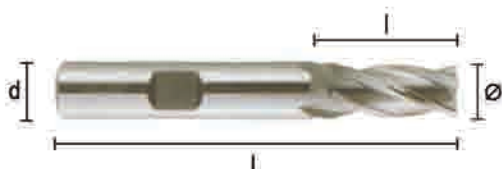
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
34010030	3	8	52	6	●	34010110	11	22	79	12	○
34010040	4	11	55	6	●	34010120	12	26	83	12	●
34010050	5	13	57	6	●	34010130	13	26	83	12	○
34010060	6	13	57	6	●	34010140	14	26	83	12	●
34010070	7	16	66	10	○	34010150	15	26	83	12	○
34010080	8	19	69	10	●	34010160	16	32	92	16	●
34010090	9	19	69	10	○	34010180	18	32	92	16	●
34010100	10	22	72	10	●	34010200	20	38	104	20	●

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

34100

DIN 844 A L N

4 z



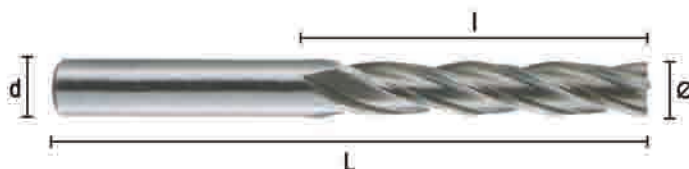
HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
34100030	3	12	56	6	●	34100110	11	45	102	12	○
34100040	4	19	63	6	●	34100120	12	53	110	12	●
34100050	5	24	68	6	●	34100130	13	53	110	12	○
34100060	6	24	68	6	●	34100140	14	53	110	12	●
34100070	7	30	80	10	○	34100150	15	53	110	12	○
34100080	8	38	88	10	●	34100160	16	63	123	16	●
34100090	9	38	88	10	○	34100180	18	63	123	16	○
34100100	10	45	95	10	●	34100200	20	75	141	20	●

34110

DIN 844 B L M N

4 z



HSSE

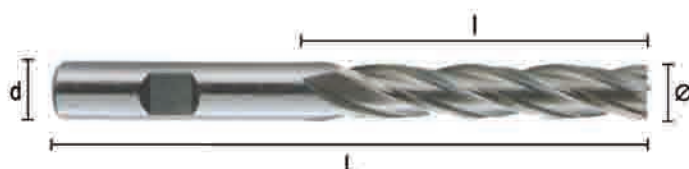
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S	KOD	Ø	l	L	d	D/S
34110040	4	19	63	6	●	34110120	12	53	110	12	●
34110050	5	24	68	6	●	34110130	13	53	110	12	○
34110060	6	24	68	6	●	34110140	14	53	110	12	●
34110070	7	30	80	10	○	34110150	15	53	110	12	○
34110080	8	38	88	10	●	34110160	16	63	123	16	●
34110090	9	38	88	10	○	34110180	18	63	123	16	○
34110100	10	45	95	10	●	34110200	20	75	141	20	●
34110110	11	45	102	12	○						

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

34026

DIN 844 B K M N

4 Z



AITiN

HSSE
PM

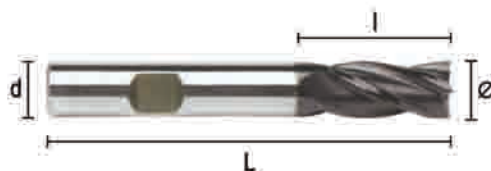
ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34026060	6	13	57	6	○
34026080	8	19	69	10	○
34026100	10	22	72	10	○
34026120	12	26	83	12	○

KOD	Ø	l	L	d	D/S
34026140	14	26	83	12	○
34026160	16	32	92	16	○
34026180	18	32	92	16	○
34026200	20	38	104	20	○

34126

DIN 844 B L M N

4 z



AITiN

HSSE
PM

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34126060	6	24	68	6	○
34126080	8	38	88	10	○
34126100	10	45	95	10	○
34126120	12	53	110	12	○

KOD	Ø	l	L	d	D/S
34126140	14	53	110	12	○
34126160	16	63	123	16	○
34126180	18	63	123	16	○
34126200	20	75	141	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

34210

DIN 844 B K M NR

4 z



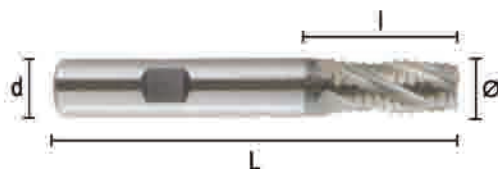
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34210060	6	13	57	6	●
34210070	7	16	66	10	○
34210080	8	19	69	10	●
34210090	9	19	69	10	○
34210100	10	22	72	10	●
34210110	11	22	79	12	○
34210120	12	26	83	12	●

KOD	Ø	l	L	d	D/S
34210130	13	26	83	12	○
34210140	14	26	83	12	●
34210150	15	26	83	12	○
34210160	16	32	92	16	●
34210180	18	32	92	16	●
34210200	20	38	104	20	●

34410

DIN 844 B K M NF

4 z



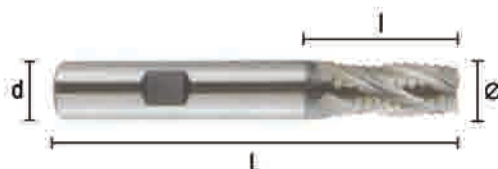
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34410060	6	13	57	6	○
34410070	7	16	66	10	○
34410080	8	19	69	10	○
34410090	9	19	69	10	○
34410100	10	22	72	10	○
34410110	11	22	79	12	○
34410120	12	26	83	12	○

KOD	Ø	l	L	d	D/S
34410130	13	26	83	12	○
34410140	14	26	83	12	○
34410150	15	26	83	12	○
34410160	16	32	92	16	○
34410180	18	32	92	16	○
34410200	20	38	104	20	○

34310

DIN 844 B L M NR

4 z



ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34310060	6	24	68	6	●
34310080	8	38	88	10	●
34310100	10	45	95	10	●
34310120	12	53	110	12	●

KOD	Ø	l	L	d	Z	D/S
34310140	14	53	110	12	6	●
34310160	16	63	123	16	6	●
34310180	18	63	123	16	6	○
34310200	20	75	141	20	6	●

34510

DIN 844 B L M NF

4 z



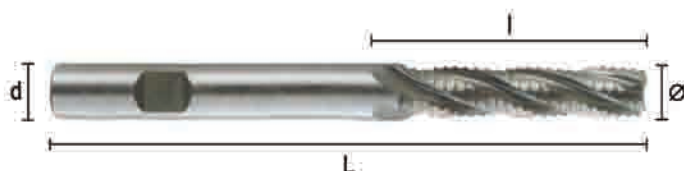
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	l	L	d	D/S
34510060	6	24	68	6	○
34510080	8	38	88	10	○
34510100	10	45	95	10	○
34510120	12	53	110	12	○

KOD	Ø	l	L	d	Z	D/S
34510140	14	53	110	12	6	○
34510160	16	63	123	16	6	○
34510180	18	63	123	16	6	○
34510200	20	75	141	20	6	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

34226

DIN 844 B K M NR

4 z



NR

AlTiN

HSSE
PM

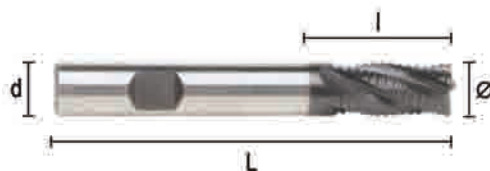
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	d	D/S	KOD	Ø	I	L	d	D/S
34226060	6	13	57	6	○	34226140	14	26	83	12	○
34226080	8	19	69	10	○	34226160	16	32	92	16	○
34226100	10	22	72	10	○	34226180	18	32	92	16	○
34226120	12	26	83	12	○	34226200	20	38	104	20	○

34326

DIN 844 B L M NR

4 z



NR

AlTiN

HSSE
PM

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	d	D/S	KOD	Ø	I	L	d	D/S
34326060	6	24	68	6	○	34326140	14	53	110	12	○
34326080	8	38	88	10	○	34326160	16	63	123	16	○
34326100	10	45	95	10	○	34326180	18	63	123	16	○
34326120	12	53	110	12	○	34326200	20	75	141	20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

36000

DIN 845 B K N

$z \geq 4$



HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	I	L	Δ	Z	D/S
36000100	10	22	92	1	4	○
36000120	12	26	96	1	4	○
36000140	14	26	111	2	4	○
36000160	16	32	117	2	4	○
36000180	18	32	117	2	4	○
36000200	20	38	123	2	4	○
36000220	22	38	123	2	6	○
36000240	24	45	147	3	6	○
36000250	25	45	147	3	6	○
36000260	26	45	147	3	6	○
36000280	28	45	147	3	6	○

KOD	Ø	I	L	Δ	Z	D/S
36000300	30	45	147	3	6	○
36000320	32	53	178	4	6	○
36000340	34	53	178	4	6	○
36000350	35	53	178	4	6	○
36000360	36	53	178	4	6	○
36000380	38	63	188	4	6	○
36000400	40	63	188	4	6	○
36000450	45	63	188	4	8	○
36000500	50	75	233	5	8	○
36000560	56	75	233	5	8	○
36000630	63	90	248	5	8	○

36010

DIN 845 B K N

$z \geq 4$



HSSE

ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	Δ	Z	D/S
36010100	10	22	92	1	4	○
36010120	12	26	96	1	4	○
36010140	14	26	111	2	4	○
36010160	16	32	117	2	4	○
36010180	18	32	117	2	4	○
36010200	20	38	123	2	4	○
36010220	22	38	123	2	5	○
36010250	25	45	147	3	5	○

KOD	Ø	I	L	Δ	Z	D/S
3601028	28	45	147	3	5	○
36010300	30	45	147	3	6	○
36010320	32	53	178	4	6	○
36010360	36	53	178	4	6	○
36010400	40	63	188	4	6	○
36010450	45	63	188	4	8	○
36010500	50	75	233	5	8	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

36100

DIN 845 B L N

$z \geq 4$



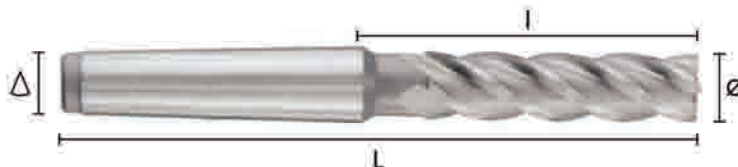
HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	I	L	Δ	Z	D/S
36100100	10	45	115	1	4	○
36100120	12	53	138	1	4	○
36100140	14	53	138	2	4	○
36100160	16	63	148	2	4	○
36100180	18	63	148	2	4	○
36100200	20	75	160	2	4	○
36100220	22	75	160	2	6	○
36100240	24	90	192	3	6	○
36100250	25	90	192	3	6	○
36100260	26	90	192	3	6	○
36100280	28	90	192	3	6	○

KOD	Ø	I	L	Δ	Z	D/S
36100300	30	90	192	3	6	○
36100320	32	106	231	4	6	○
36100340	34	106	231	4	6	○
36100350	35	106	231	4	6	○
36100360	36	106	231	4	6	○
36100380	38	125	250	4	6	○
36100400	40	125	250	4	6	○
36100450	45	125	250	4	8	○
36100500	50	150	308	5	8	○
36100560	56	150	308	5	8	○
36100630	63	180	338	5	8	○

36110

DIN 845 B L N

$z \geq 4$



HSSE

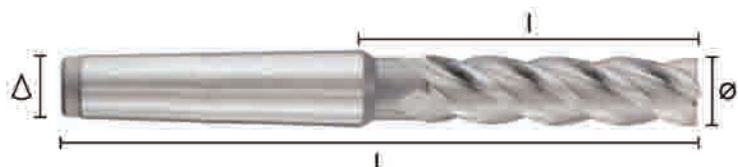
ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	Δ	Z	D/S
36110100	10	45	115	1	4	○
36110120	12	53	138	1	4	○
36110140	14	53	138	2	4	○
36110160	16	63	148	2	4	○
36110180	18	63	148	2	4	○
36110200	20	75	160	2	4	○
36110220	22	75	160	2	5	○
36110250	25	90	192	3	5	○

KOD	Ø	I	L	Δ	Z	D/S
36110280	28	90	192	3	5	○
36110300	30	90	192	3	6	○
36110320	32	106	231	4	6	○
36110360	36	106	231	4	6	○
36110400	40	125	250	4	6	○
36110450	45	125	250	4	6	○
36110500	50	150	308	5	6	○

36210

DIN 845 B K NR

$z \geq 4$



ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



KOD	Ø	I	L	Δ	Z	D/S
36210100	10	22	92	1	4	○
36210120	12	26	96	1	4	○
36210140	14	26	111	2	4	○
36210160	16	32	117	2	4	○
36210180	18	32	117	2	4	○
36210200	20	38	123	2	4	○
36210220	22	38	123	2	5	○
36210240	24	45	147	3	5	○
36210250	25	45	147	3	5	○

KOD	Ø	I	L	Δ	Z	D/S
36210260	26	45	147	3	5	○
36210280	28	45	147	3	5	○
36210300	30	45	147	3	5	○
36210320	32	53	201	4	6	○
36210360	36	53	201	4	6	○
36210400	40	63	211	4	6	○
36210450	45	63	211	4	6	○
36210500	50	75	261	5	8	○

36310

DIN 845 B L NR

$z \geq 4$



ZASTOSOWANIE
Applications

Rm 800 – 1100 N/mm²

STAL / Steel

GG

GG



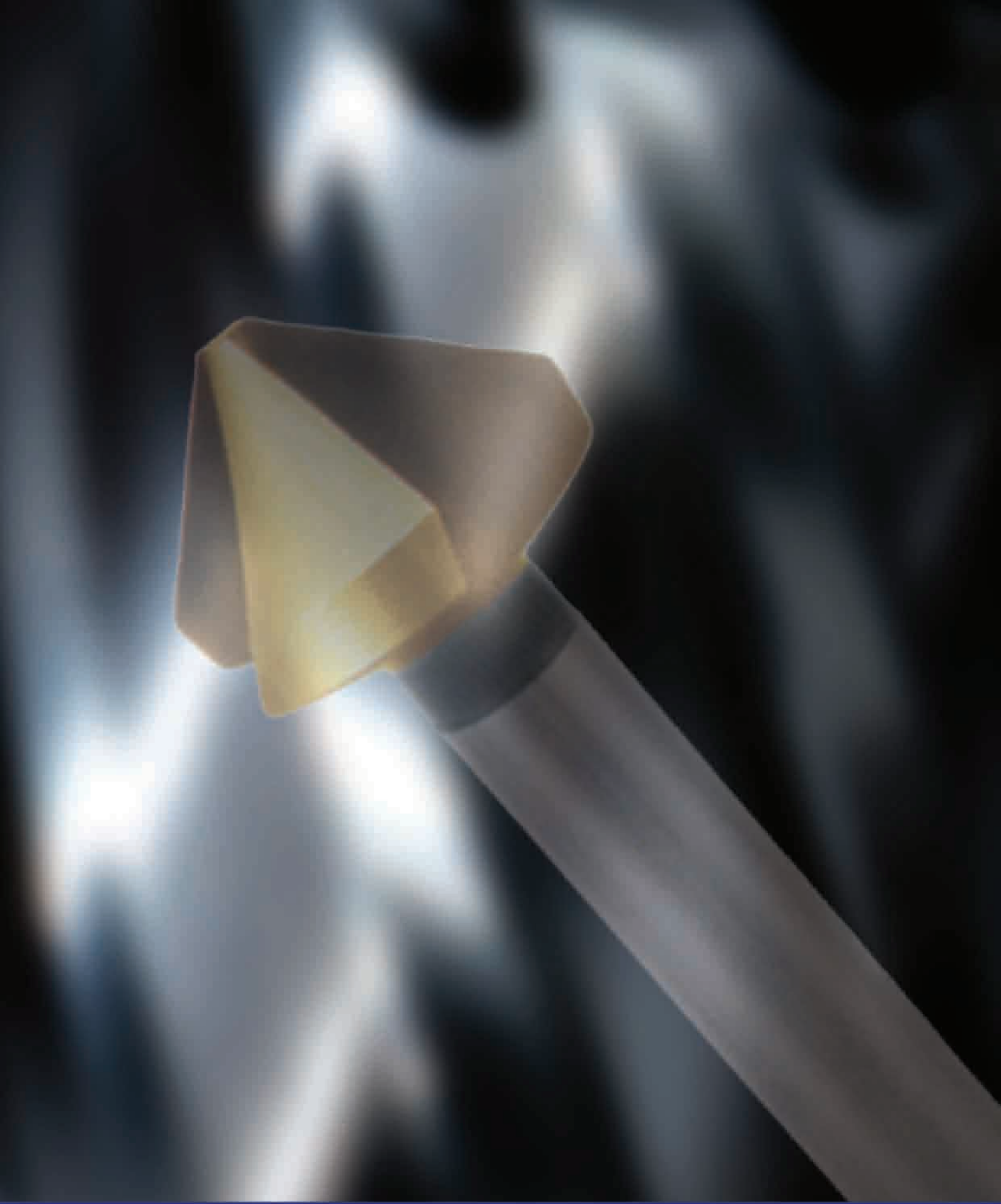
KOD	Ø	I	L	Δ	Z	D/S
36310100	10	45	115	1	4	○
36310120	12	53	123	1	4	○
36310140	14	53	138	2	4	○
36310160	16	63	148	2	4	○
36310180	18	63	148	2	4	○
36310200	20	75	160	2	4	○
36310220	22	75	160	2	5	○
36310240	24	90	192	3	5	○
36310250	25	90	192	3	5	○

KOD	Ø	I	L	Δ	Z	D/S
36310260	26	90	192	3	5	○
36310280	28	90	192	3	5	○
36310300	30	90	192	3	5	○
36310320	32	106	254	4	6	○
36310360	36	106	254	4	6	○
36310400	40	125	273	4	6	○
36310450	45	125	273	4	6	○
36310500	50	150	336	5	8	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry





WIERTŁA RUROWE

Annular cutters

POGŁĘBIACZE

Countersinks

NAWIERTAKI

Center drills

26002

WIERTŁO RUROWE KRÓTKIE
Annular cutter – short

Część
robocza
25 mm

Chwyt
Weldon
19 mm (3/4")

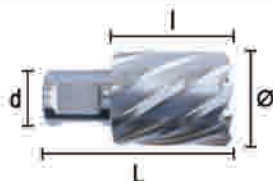
HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	D/S	KOD	Ø	l	L	D/S
26002512	12	25	61	●	26002528	28	25	61	●
26002513	13	25	61	●	26002529	29	25	61	○
26002514	14	25	61	●	26002530	30	25	61	●
26002515	15	25	61	●	26002531	31	25	61	○
26002516	16	25	61	●	26002532	32	25	61	●
26002517	17	25	61	●	26002533	33	25	61	○
26002518	18	25	61	●	26002534	34	25	61	○
26002519	19	25	61	○	26002535	35	25	61	○
26002520	20	25	61	●	26002536	36	25	61	●
26002521	21	25	61	○	26002537	37	25	61	○
26002522	22	25	61	●	26002538	38	25	61	○
26002523	23	25	61	○	26002539	39	25	61	○
26002524	24	25	61	●	26002540	40	25	61	●
26002525	25	25	61	●	26002545	45	25	61	●
26002526	26	25	61	●	26002550	50	25	61	●
26002527	27	25	61	○					

26005

WIERTŁO RUROWE DŁUGIE
Annular cutter – long

Część
robocza
50 mm

Chwyt
Weldon
19 mm (3/4")

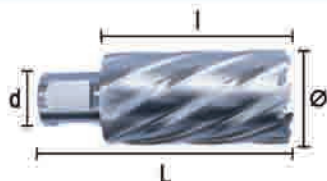
HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	l	L	D/S	KOD	Ø	l	L	D/S
26005012	12	50	87	●	26005030	30	50	87	●
26005013	13	50	87	●	26005031	31	50	87	●
26005014	14	50	87	●	26005032	32	50	87	●
26005015	15	50	87	●	26005033	33	50	87	●
26005016	16	50	87	●	26005034	34	50	87	●
26005017	17	50	87	●	26005035	35	50	87	●
26005018	18	50	87	●	26005036	36	50	87	●
26005019	19	50	87	●	26005037	37	50	87	●
26005020	20	50	87	●	26005038	38	50	87	●
26005021	21	50	87	●	26005039	39	50	87	●
26005022	22	50	87	●	26005040	40	50	87	●
26005023	23	50	87	●	26005042	42	50	87	●
26005024	24	50	87	●	26005043	43	50	87	●
26005025	25	50	87	●	26005044	44	50	87	●
26005026	26	50	87	●	26005045	45	50	87	●
26005027	27	50	87	●	26005046	46	50	87	●
26005028	28	50	87	●	26005050	50	50	87	●
26005029	29	50	87	●					

26001

AKCESORIA DO WIERTŁ RUROWYCH
Accessories for annular cutters



KOD	Opis	Ø	L	D/S
26001101	Pilot do wiertł rurowych / Puncher for annular cutters	6,34	77	●
26001102	Pilot do wiertł rurowych / Puncher for annular cutters	6,34	102	●



KOD	Opis	Δ	L	D/S
26001103	Adapter do wiertł rurowych / Adapter for annular cutters	MK2/Weldon	163	●
26001104	Adapter do wiertł rurowych / Adapter for annular cutters	MK3/Weldon	177	●

25000

DIN 335 C



3 z

HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	L	d	D/S	KOD	Ø	L	d	D/S
25000063	6,3	40	5	●	25000165	16,5	60	10	●
25000083	8,3	50	6	●	25000205	20,5	63	10	●
25000104	10,4	50	6	●	25000250	25	67	10	●
25000125	12,5	56	8	●	25000310	31	71	12	●

25002

DIN 335 C



3 z

TiN

HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	L	d	D/S	KOD	Ø	L	d	D/S
25002063	6,3	40	5	●	25002165	16,5	60	10	●
25002083	8,3	50	6	●	25002205	20,5	63	10	●
25002104	10,4	50	6	●	25002250	25	67	10	●
25002125	12,5	56	8	●	25002310	31	71	12	●

25100

DIN 335 D



3 z

HSS

ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	L	Δ	D/S	KOD	Ø	L	Δ	D/S
25100165	16,5	85	1	●	25100370	37	118	2	●
25100205	20,5	100	2	●	25100400	40	140	3	●
25100250	25	103	2	●	25100500	50	150	3	●
25100310	31	112	2	●	25100630	63	180	4	●
25100340	34	118	2	●	25100800	80	190	4	●

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

26100

DIN 333 A



ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	d	L	D/S
26100100	1	3,15	32	●
26100125	1,25	3,15	32	●
26100160	1,6	4	35	●
26100200	2	5	40	●
26100250	2,5	6,3	45	●

KOD	Ø	d	L	D/S
26100315	3,15	8	50	●
26100400	4	10	56	●
26100500	5	12,5	63	●
26100630	6,3	16	72	●

26200

DIN 333 B



ZASTOSOWANIE
Applications

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	d	L	D/S
26200100	1	4	35	●
26200160	1,6	6,3	45	●
26200200	2	8	50	●

KOD	Ø	d	L	D/S
26200250	2,5	10	56	●
26200315	3,15	11,2	60	●
26200400	4	14	67	●



WIERTŁA
Drills

AKCESORIA
Accessories

41101

DIN 338 N

SZLIFOWANE
Grinded



HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	I	L	D/S	KOD	Ø	I	L	D/S
411010020	0,20	2,5	19	○	411010245	2,45	30	57	○
411010025	0,25	3	19	○	411010250	2,50	30	57	●
411010030	0,30	3	19	○	411010255	2,55	30	57	○
411010035	0,35	3	19	○	411010260	2,60	30	57	●
411010040	0,40	5	20	○	411010265	2,65	30	57	○
411010045	0,45	6	22	○	411010270	2,70	33	61	●
411010050	0,50	6	22	○	411010275	2,75	33	61	○
411010055	0,55	7	24	○	411010280	2,80	33	61	●
411010060	0,60	7	24	○	411010285	2,85	33	61	○
411010065	0,65	8	24	○	411010290	2,90	33	61	●
411010070	0,70	9	28	○	411010295	2,95	33	61	○
411010075	0,75	9	28	○	411010300	3,00	33	61	●
411010080	0,80	10	30	○	411010310	3,10	36	65	●
411010085	0,85	10	30	○	411010320	3,20	36	65	●
411010090	0,90	11	32	○	411010325	3,25	36	65	○
411010095	0,95	11	32	○	411010330	3,30	39	70	●
411010100	1,00	12	34	●	411010340	3,40	39	70	●
411010105	1,05	12	34	○	411010350	3,50	39	70	●
411010110	1,10	14	36	○	411010360	3,60	39	70	●
411010115	1,15	14	36	○	411010370	3,70	39	70	●
411010120	1,20	16	38	○	411010375	3,75	39	70	○
411010125	1,25	16	38	○	411010380	3,80	43	75	●
411010130	1,30	16	38	○	411010390	3,90	43	75	●
411010135	1,35	18	40	○	411010400	4,00	43	75	●
411010140	1,40	18	40	○	411010410	4,10	43	75	●
411010145	1,45	18	40	○	411010420	4,20	43	75	●
411010150	1,50	18	40	●	411010425	4,25	43	75	○
411010155	1,55	20	43	○	411010430	4,30	47	80	●
411010160	1,60	20	43	○	411010440	4,40	47	80	●
411010165	1,65	20	43	○	411010450	4,50	47	80	●
411010170	1,70	20	43	○	411010460	4,60	47	80	●
411010175	1,75	20	43	○	411010470	4,70	47	80	●
411010180	1,80	22	46	○	411010475	4,75	47	80	○
411010185	1,85	22	46	○	411010480	4,80	52	86	●
411010190	1,90	22	46	○	411010490	4,90	52	86	●
411010195	1,95	24	49	○	411010500	5,00	52	86	●
411010200	2,00	24	49	●	411010510	5,10	52	86	●
411010205	2,05	24	49	○	411010520	5,20	52	86	●
411010210	2,10	24	49	●	411010525	5,25	52	86	○
411010215	2,15	27	53	○	411010530	5,30	52	86	●
411010220	2,20	27	53	●	411010540	5,40	57	93	●
411010225	2,25	27	53	○	411010550	5,50	57	93	●
411010230	2,30	27	53	●	411010560	5,60	57	93	●
411010235	2,35	27	53	○	411010570	5,70	57	93	●
411010240	2,40	30	57	●	411010575	5,75	57	93	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

Kontynuacja 41101

KOD	Ø	I	L	D/S
411010580	5,80	57	93	●
411010590	5,90	57	93	●
411010600	6,00	57	93	●
411010610	6,10	63	101	●
411010620	6,20	63	101	●
411010630	6,30	63	101	●
411010640	6,40	63	101	●
411010650	6,50	63	101	●
411010660	6,60	63	101	●
411010670	6,70	63	101	●
411010680	6,80	69	109	●
411010690	6,90	69	109	●
411010700	7,00	69	109	●
411010710	7,10	69	109	●
411010720	7,20	69	109	●
411010730	7,30	69	109	●
411010740	7,40	69	109	●
411010750	7,50	69	109	●
411010760	7,60	75	117	●
411010770	7,70	75	117	●
411010780	7,80	75	117	●
411010790	7,90	75	117	●
411010800	8,00	75	117	●
411010810	8,10	75	117	●
411010820	8,20	75	117	●
411010830	8,30	75	117	●
411010840	8,40	75	117	●
411010850	8,50	75	117	●
411010860	8,60	81	125	●
411010870	8,70	81	125	●
411010880	8,80	81	125	●
411010890	8,90	81	125	●
411010900	9,00	81	125	●
411010910	9,10	81	125	○
411010920	9,20	81	125	○
411010930	9,30	81	125	○
411010940	9,40	81	125	○
411010950	9,50	81	125	●
411010960	9,60	87	133	○
411010970	9,70	87	133	○
411010980	9,80	87	133	○
411010990	9,90	87	133	○
411011000	10,00	87	133	●
411011010	10,10	87	133	○
411011020	10,20	87	133	●
411011030	10,30	87	133	●
411011040	10,40	87	133	○
411011050	10,50	87	133	●
411011060	10,60	87	133	○
411011070	10,70	94	142	○
411011080	10,80	94	142	○

KOD	Ø	I	L	D/S
411011090	10,90	94	142	○
411011100	11,00	94	142	●
411011110	11,10	94	142	○
411011120	11,20	94	142	○
411011130	11,30	94	142	○
411011140	11,40	94	142	○
411011150	11,50	94	142	●
411011160	11,60	94	142	○
411011170	11,70	94	142	○
411011180	11,80	94	142	○
411011190	11,90	101	151	○
411011200	12,00	101	151	●
411011210	12,10	101	151	○
411011220	12,20	101	151	○
411011230	12,30	101	151	○
411011240	12,40	101	151	○
411011250	12,50	101	151	●
411011260	12,60	101	151	○
411011270	12,70	101	151	○
411011280	12,80	101	151	○
411011290	12,90	101	151	○
411011300	13,00	101	151	●
411011325	13,25	108	160	○
411011350	13,50	108	160	○
411011375	13,75	108	160	○
411011400	14,00	108	160	●
411011425	14,25	114	169	○
411011450	14,50	114	169	○
411011475	14,75	114	169	○
411011500	15,00	114	169	○
411011525	15,25	120	178	○
411011550	15,50	120	178	○
411011575	15,75	120	178	○
411011600	16,00	120	178	○
411011625	16,25	125	184	○
411011650	16,50	125	184	○
411011675	16,75	125	184	○
411011700	17,00	125	184	○
411011725	17,25	130	191	○
411011750	17,50	130	191	○
411011775	17,75	130	191	○
411011800	18,00	130	191	○
411011825	18,25	135	198	○
411011850	18,50	135	198	○
411011875	18,75	135	198	○
411011900	19,00	135	198	○
411011925	19,25	140	205	○
411011950	19,50	140	205	○
411011975	19,75	140	205	○
411012000	20,00	140	205	○

41104

DIN 338 MR

SZLIFOWANE
Grinded



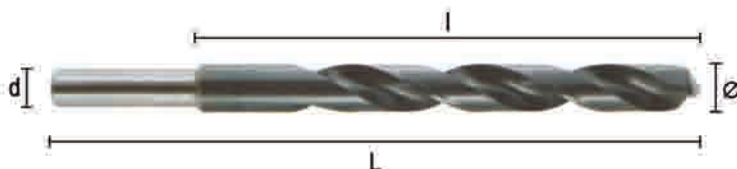
HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	d	l	L	D/S
411041000	10,00	8	87	133	○
411041050	10,50	8	87	133	○
411041100	11,00	8	94	142	○
411041150	11,50	8	94	142	○
411041200	12,00	8	101	151	○
411041250	12,50	8	101	151	○
411041300	13,00	10	101	151	○
411041350	13,50	10	108	160	○
411041400	14,00	10	108	160	○
411041450	14,50	10	114	169	○
411041500	15,00	10	114	169	○
411041550	15,50	10	120	178	○
411041600	16,00	12	120	178	○
411041650	16,50	12	125	184	○
411041700	17,00	12	125	184	○
411041750	17,50	12	130	191	○
411041800	18,00	12	130	191	○
411041850	18,50	12	135	198	○
411041900	19,00	12	135	198	○
411041950	19,50	12	140	205	○
411042000	20,00	13	140	205	○

KOD	Ø	d	l	L	D/S
411042050	20,50	13	140	205	○
411042100	21,00	13	140	205	○
411042150	21,50	13	140	209	○
411042200	22,00	13	140	209	○
411042250	22,50	13	140	214	○
411042300	23,00	13	140	214	○
411042350	23,50	13	145	220	○
411042400	24,00	13	145	220	○
411042450	24,50	13	150	225	○
411042500	25,00	13	150	225	○
411042550	25,50	13	157	243	○
411042600	26,00	13	157	243	○
411042650	26,50	13	157	243	○
411042700	27,00	13	157	243	○
411042750	27,50	13	167	253	○
411042800	28,00	13	167	253	○
411042850	28,50	13	167	253	○
411042900	29,00	13	167	253	○
411042950	29,50	13	171	258	○
411043000	30,00	13	171	258	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

41103

DIN 338 H

SZLIFOWANE
Grinded



HSS

ZASTOSOWANIE
Applications:

MOSIĄDZ / BRĄZ / Brass and bronze

GG



kolor ze spisu treści

KOD	Ø	I	L	D/S
411030100	1,00	12	34	○
411030125	1,25	16	38	○
411030150	1,50	18	40	○
411030175	1,75	22	46	○
411030200	2,00	24	49	○
411030225	2,25	27	53	○
411030250	2,50	30	57	○
411030275	2,75	33	61	○
411030300	3,00	33	61	○
411030325	3,25	36	65	○
411030350	3,50	39	70	○
411030375	3,75	39	70	○
411030400	4,00	43	75	○
411030425	4,25	43	75	○
411030450	4,50	47	80	○
411030475	4,75	47	80	○
411030500	5,00	52	86	○
411030525	5,25	52	86	○
411030550	5,50	57	93	○
411030575	5,75	57	93	○
411030600	6,00	57	93	○
411030625	6,25	63	101	○

KOD	Ø	I	L	D/S
411030650	6,50	63	101	○
411030675	6,75	69	109	○
411030700	7,00	69	109	○
411030725	7,25	69	109	○
411030750	7,50	69	109	○
411030775	7,75	75	117	○
411030800	8,00	75	117	○
411030825	8,25	75	117	○
411030850	8,50	75	117	○
411030875	8,75	81	125	○
411030900	9,00	81	125	○
411030925	9,25	81	125	○
411030950	9,50	81	125	○
411030975	9,75	87	133	○
411031000	10,00	87	133	○
411031050	10,50	87	133	○
411031100	11,00	94	142	○
411031150	11,50	94	142	○
411031200	12,00	101	151	○
411031250	12,50	101	151	○
411031300	13,00	101	151	○

41105

DIN 338 N

SZLIFOWANE
Grinded



HSSE

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

HEAT

TI



KOD	Ø	I	L	D/S	KOD	Ø	I	L	D/S
411050050	0,50	6	22	○	411050425	4,25	43	75	○
411050060	0,60	7	24	○	411050430	4,30	47	80	○
411050070	0,70	9	28	○	411050440	4,40	47	80	○
411050075	0,75	9	28	○	411050450	4,50	47	80	●
411050080	0,80	10	30	○	411050460	4,60	47	80	○
411050090	0,90	11	32	○	411050470	4,70	47	80	○
411050100	1,00	12	34	●	411050475	4,75	47	80	○
411050110	1,10	14	36	○	411050480	4,80	52	86	●
411050120	1,20	16	38	○	411050490	4,90	52	86	○
411050125	1,25	16	38	○	411050500	5,00	52	86	●
411050130	1,30	16	38	○	411050510	5,10	52	86	○
411050140	1,40	18	40	○	411050520	5,20	52	86	○
411050150	1,50	18	40	●	411050525	5,25	52	86	○
411050160	1,60	20	43	○	411050530	5,30	52	86	○
411050170	1,70	20	43	○	411050540	5,40	57	93	○
411050175	1,75	22	46	○	411050550	5,50	57	93	●
411050180	1,80	22	46	○	411050560	5,60	57	93	○
411050190	1,90	22	46	○	411050570	5,70	57	93	○
411050200	2,00	24	49	●	411050575	5,75	57	93	○
411050210	2,10	24	49	○	411050580	5,80	57	93	○
411050220	2,20	27	53	○	411050590	5,90	57	93	○
411050225	2,25	27	53	○	411050600	6,00	57	93	●
411050230	2,30	27	53	○	411050610	6,10	63	101	○
411050240	2,40	30	57	○	411050620	6,20	63	101	○
411050250	2,50	30	57	●	411050625	6,25	63	101	○
411050260	2,60	30	57	○	411050630	6,30	63	101	○
411050270	2,70	33	61	○	411050640	6,40	63	101	○
411050275	2,75	33	61	○	411050650	6,50	63	101	●
411050280	2,80	33	61	○	411050660	6,60	63	101	○
411050290	2,90	33	61	○	411050670	6,70	63	101	○
411050300	3,00	33	61	●	411050675	6,75	69	109	○
411050310	3,10	36	65	○	411050680	6,80	69	109	●
411050320	3,20	36	65	●	411050690	6,90	69	109	○
411050325	3,25	36	65	○	411050700	7,00	69	109	●
411050330	3,30	39	70	●	411050710	7,10	69	109	○
411050340	3,40	39	70	●	411050720	7,20	69	109	○
411050350	3,50	39	70	●	411050725	7,25	69	109	○
411050360	3,60	39	70	○	411050730	7,30	69	109	○
411050370	3,70	39	70	○	411050740	7,40	69	109	○
411050375	3,75	39	70	○	411050750	7,50	69	109	●
411050380	3,80	43	75	○	411050760	7,60	75	117	○
411050390	3,90	43	75	○	411050770	7,70	75	117	○
411050400	4,00	43	75	●	411050775	7,75	75	117	○
411050410	4,10	43	75	○	411050780	7,80	75	117	○
411050420	4,20	43	75	●	411050790	7,90	75	117	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

Kontynuacja 41105

KOD	Ø	I	L	D/S
411050800	8,00	75	117	●
411050810	8,10	75	117	○
411050820	8,20	75	117	○
411050825	8,25	75	117	○
411050830	8,30	75	117	○
411050840	8,40	75	117	○
411050850	8,50	75	117	●
411050860	8,60	81	125	○
411050870	8,70	81	125	○
411050875	8,75	81	125	○
411050880	8,80	81	125	○
411050890	8,90	81	125	○
411050900	9,00	81	125	●
411050910	9,10	81	125	○
411050920	9,20	81	125	○
411050925	9,25	81	125	○
411050930	9,30	81	125	○
411050940	9,40	81	125	○
411050950	9,50	81	125	●
411050960	9,60	87	133	○
411050970	9,70	87	133	○
411050975	9,75	87	133	○
411050980	9,80	87	133	○
411050990	9,90	87	133	○
411051000	10,00	87	133	●
411051010	10,10	87	133	○
411051020	10,20	87	133	●
411051025	10,25	87	133	○
411051030	10,30	87	133	●
411051040	10,40	87	133	○
411051050	10,50	87	133	●
411051060	10,60	87	133	○
411051070	10,70	94	142	○
411051075	10,75	94	142	○
411051080	10,80	94	142	○
411051090	10,90	94	142	○
411051100	11,00	94	142	●
411051110	11,10	94	142	○

KOD	Ø	I	L	D/S
411051120	11,20	94	142	○
411051125	11,25	94	142	○
411051130	11,30	94	142	○
411051140	11,40	94	142	○
411051150	11,50	94	142	●
411051160	11,60	94	142	○
411051170	11,70	94	142	○
411051175	11,75	94	142	○
411051180	11,80	94	142	○
411051190	11,90	101	151	○
411051200	12,00	101	151	●
411051210	12,10	101	151	○
411051220	12,20	101	151	○
411051225	12,25	101	151	○
411051230	12,30	101	151	○
411051240	12,40	101	151	○
411051250	12,50	101	151	●
411051260	12,60	101	151	○
411051270	12,70	101	151	○
411051275	12,75	101	151	○
411051280	12,80	101	151	○
411051290	12,90	101	151	○
411051300	13,00	101	151	●
411051350	13,50	108	160	○
411051400	14,00	108	160	●
411051450	14,50	114	169	○
411051500	15,00	114	169	○
411051550	15,50	120	178	○
411051600	16,00	120	178	○
411051650	16,50	125	184	○
411051700	17,00	125	184	○
411051750	17,50	130	191	○
411051800	18,00	130	191	○
411051850	18,50	135	198	○
411051900	19,00	135	198	○
411051950	19,50	140	205	○
411052000	20,00	140	205	○

41161

DIN 338 N

SZLIFOWANE
Grinded



TiAlN

HSSE

ZASTOSOWANIE
Applications:

Rm 1100 – 1400 N/mm²

STAL / Steel

HT20

TI



KOD	Ø	I	L	D/S
411610200	2,00	24	49	○
411610250	2,50	30	57	○
411610300	3,00	33	61	○
411610310	3,10	36	65	○
411610325	3,25	36	65	○
411610330	3,30	36	65	○
411610340	3,40	39	70	○
411610350	3,50	39	70	○
411610400	4,00	43	75	○
411610410	4,10	43	75	○
411610420	4,20	43	75	○
411610425	4,25	43	75	○
411610430	4,30	47	80	○
411610450	4,50	47	80	○
411610500	5,00	52	86	○
411610510	5,10	52	86	○
411610525	5,25	52	86	○

KOD	Ø	I	L	D/S
411610550	5,50	57	93	○
411610600	6,00	57	93	○
411610650	6,50	63	101	○
411610700	7,00	69	109	○
411610750	7,50	69	109	○
411610800	8,00	75	117	○
411610850	8,50	75	117	○
411610900	9,00	81	125	○
411610950	9,50	81	125	○
411611000	10,00	87	133	○
411611050	10,50	87	133	○
411611100	11,00	94	142	○
411611150	11,50	94	142	○
411611200	12,00	101	151	○
411611250	12,50	101	151	○
411611300	13,00	101	151	○

41106

DIN 338 IX

SZLIFOWANE
Grinded



HSSE

ZASTOSOWANIE
Applications:

INOX

STAL NIERDZEWNA / Stainless steel

ALUMINIUM / Aluminium



KOD	Ø	I	L	D/S
411060100	1,00	12	34	○
411060125	1,25	16	38	○
411060150	1,50	18	40	○
411060200	2,00	24	49	○
411060225	2,25	27	53	○
411060250	2,50	30	57	○
411060275	2,75	33	61	○
411060300	3,00	33	61	○
411060310	3,10	36	65	○
411060320	3,20	36	65	○
411060325	3,25	36	65	○
411060330	3,30	36	65	○
411060340	3,40	39	70	○
411060350	3,50	39	70	○
411060375	3,75	39	70	○
411060400	4,00	43	75	○
411060410	4,10	43	75	○
411060420	4,20	43	75	○
411060425	4,25	43	75	○
411060450	4,50	47	80	○
411060475	4,75	47	80	○
411060500	5,00	52	86	○
411060510	5,10	52	86	○
411060520	5,20	52	86	○

KOD	Ø	I	L	D/S
411060525	5,25	52	86	○
411060550	5,50	57	93	○
411060575	5,75	57	93	○
411060600	6,00	57	93	○
411060625	6,25	63	101	○
411060650	6,50	63	101	○
411060675	6,75	69	109	○
411060700	7,00	69	109	○
411060725	7,25	69	109	○
411060750	7,50	69	109	○
411060800	8,00	75	117	○
411060825	8,25	75	117	○
411060850	8,50	75	117	○
411060900	9,00	81	125	○
411060950	9,50	81	125	○
411061000	10,00	87	133	○
411061025	10,25	87	133	○
411061050	10,50	87	133	○
411061100	11,00	94	142	○
411061150	11,50	94	142	○
411061200	12,00	101	151	○
411061250	12,50	101	151	○
411061300	13,00	101	151	○

41162

DIN 338 IX

SZLIFOWANE
Grinded



TiAIN

HSSE

ZASTOSOWANIE
Applications:

INOX

STAL NIERDZEWNA / Stainless steel

ALUMINIUM / Aluminium



KOD	Ø	I	L	D/S
411620100	1,00	12	34	○
411620125	1,25	16	38	○
411620150	1,50	18	40	○
411620200	2,00	24	49	○
411620225	2,25	27	53	○
411620250	2,50	30	57	○
411620275	2,75	33	61	○
411620300	3,00	33	61	○
411620310	3,10	36	65	○
411620320	3,20	36	65	○
411620325	3,25	36	65	○
411620330	3,30	36	65	○
411620340	3,40	39	70	○
411620350	3,50	39	70	○
411620375	3,75	39	70	○
411620400	4,00	43	75	○
411620410	4,10	43	75	○
411620420	4,20	43	75	○
411620425	4,25	43	75	○
411620450	4,50	47	80	○
411620475	4,75	47	80	○
411620500	5,00	52	86	○
411620510	5,10	52	86	○
411620520	5,20	52	86	○

KOD	Ø	I	L	D/S
411620525	5,25	52	86	○
411620550	5,50	57	93	○
411620575	5,75	57	93	○
411620600	6,00	57	93	○
411620625	6,25	63	101	○
411620650	6,50	63	101	○
411620675	6,75	69	109	○
411620700	7,00	69	109	○
411620725	7,25	69	109	○
411620750	7,50	69	109	○
411620800	8,00	75	117	○
411620825	8,25	75	117	○
411620850	8,50	75	117	○
411620900	9,00	81	125	○
411620950	9,50	81	125	○
411621000	10,00	87	133	○
411621025	10,25	87	133	○
411621050	10,50	87	133	○
411621100	11,00	94	142	○
411621150	11,50	94	142	○
411621200	12,00	101	151	○
411621250	12,50	101	151	○
411621300	13,00	101	151	○

41112

DIN 340 N

SZLIFOWANE
Grinded



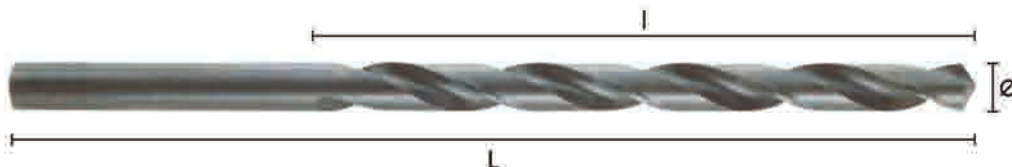
HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	I	L	D/S	KOD	Ø	I	L	D/S
411120100	1,00	33	56	○	411120475	4,75	82	126	○
411120110	1,10	37	60	○	411120480	4,80	87	132	○
411120120	1,20	41	65	○	411120490	4,90	87	132	○
411120125	1,25	41	65	○	411120500	5,00	87	132	○
411120130	1,30	41	65	○	411120510	5,10	87	132	○
411120140	1,40	45	70	○	411120520	5,20	87	132	○
411120150	1,50	45	70	○	411120525	5,25	87	132	○
411120160	1,60	50	76	○	411120530	5,30	87	132	○
411120170	1,70	50	76	○	411120540	5,40	91	139	○
411120175	1,75	53	80	○	411120550	5,50	91	139	○
411120180	1,80	53	80	○	411120560	5,60	91	139	○
411120190	1,90	53	80	○	411120570	5,70	91	139	○
411120200	2,00	56	85	○	411120575	5,75	91	139	○
411120210	2,10	56	85	○	411120580	5,80	91	139	○
411120220	2,20	56	85	○	411120590	5,90	91	139	○
411120225	2,25	59	90	○	411120600	6,00	91	139	○
411120230	2,30	59	90	○	411120610	6,10	97	148	○
411120240	2,40	62	95	○	411120620	6,20	97	148	○
411120250	2,50	62	95	○	411120625	6,25	97	148	○
411120260	2,60	66	100	○	411120630	6,30	97	148	○
411120270	2,70	66	100	○	411120640	6,40	97	148	○
411120275	2,75	66	100	○	411120650	6,50	97	148	○
411120280	2,80	66	100	○	411120660	6,60	97	148	○
411120290	2,90	66	100	○	411120670	6,70	97	148	○
411120300	3,00	66	100	○	411120675	6,75	102	156	○
411120310	3,10	69	106	○	411120680	6,80	102	156	○
411120320	3,20	69	106	○	411120690	6,90	102	156	○
411120325	3,25	69	106	○	411120700	7,00	102	156	○
411120330	3,30	69	106	○	411120710	7,10	102	156	○
411120340	3,40	73	112	○	411120720	7,20	102	156	○
411120350	3,50	73	112	○	411120725	7,25	102	156	○
411120360	3,60	73	112	○	411120730	7,30	102	156	○
411120370	3,70	73	112	○	411120740	7,40	102	156	○
411120375	3,75	73	112	○	411120750	7,50	102	156	○
411120380	3,80	78	119	○	411120760	7,60	109	165	○
411120390	3,90	78	119	○	411120770	7,70	109	165	○
411120400	4,00	78	119	○	411120775	7,75	109	165	○
411120410	4,10	78	119	○	411120780	7,80	109	165	○
411120420	4,20	78	119	○	411120790	7,90	109	165	○
411120425	4,25	78	119	○	411120800	8,00	109	165	○
411120430	4,30	82	126	○	411120810	8,10	109	165	○
411120440	4,40	82	126	○	411120820	8,20	109	165	○
411120450	4,50	82	126	○	411120825	8,25	109	165	○
411120460	4,60	82	126	○	411120830	8,30	109	165	○
411120470	4,70	82	126	○	411120840	8,40	109	165	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

Kontynuacja 41112

KOD	Ø	I	L	D/S
411120850	8,50	109	165	○
411120875	8,75	115	175	○
411120880	8,80	115	175	○
411120890	8,90	115	175	○
411120900	9,00	115	175	○
411120925	9,25	115	175	○
411120930	9,30	115	175	○
411120940	9,40	115	175	○
411120950	9,50	115	175	○
411120970	9,70	121	184	○
411120975	9,75	121	184	○
411120990	9,90	121	184	○
411121000	10,00	121	184	○
411121025	10,25	121	184	○
411121030	10,30	121	184	○
411121040	10,40	121	184	○
411121050	10,50	121	184	○
411121075	10,75	128	195	○
411121100	11,00	128	195	○
411121110	11,10	128	195	○
411121120	11,20	128	195	○
411121125	11,25	128	195	○
411121150	11,50	128	195	○

KOD	Ø	I	L	D/S
411121175	11,75	128	195	○
411121200	12,00	134	205	○
411121225	12,25	134	205	○
411121250	12,50	134	205	○
411121275	12,75	134	205	○
411121300	13,00	134	205	○
411121325	13,25	140	214	○
411121350	13,50	140	214	○
411121375	13,75	140	214	○
411121400	14,00	140	214	○
411121450	14,50	144	220	○
411121500	15,00	144	220	○
411121550	15,50	149	227	○
411121600	16,00	149	227	○
411121650	16,50	154	235	○
411121700	17,00	154	235	○
411121750	17,50	158	241	○
411121800	18,00	158	241	○
411121850	18,50	162	247	○
411121900	19,00	162	247	○
411121950	19,50	166	254	○
411122000	20,00	166	254	○

41113

DIN 340 N

SZLIFOWANE
Grinded

135°

30°

30°

HSSE

ZASTOSOWANIE
Applications:

Rm 800 – 1100 N/mm²

STAL / Steel

ALU

INOX

TI



KOD	Ø	I	L	D/S
411130200	2,00	56	85	○
411130250	2,50	62	95	○
411130300	3,00	66	100	○
411130325	3,25	69	106	○
411130350	3,50	73	112	○
411130375	3,75	73	112	○
411130400	4,00	78	119	○
411130425	4,25	78	119	○
411130450	4,50	82	126	○
411130475	4,75	82	126	○
411130500	5,00	87	132	○
411130525	5,25	87	132	○
411130550	5,50	91	139	○
411130575	5,75	91	139	○
411130600	6,00	91	139	○

KOD	Ø	I	L	D/S
411130650	6,50	97	148	○
411130700	7,00	102	156	○
411130750	7,50	102	156	○
411130800	8,00	109	165	○
411130850	8,50	109	165	○
411130900	9,00	115	175	○
411130950	9,50	115	175	○
411131000	10,00	121	184	○
411131050	10,50	121	184	○
411131100	11,00	128	195	○
411131150	11,50	128	195	○
411131200	12,00	134	205	○
411131250	12,50	134	205	○
411131300	13,00	134	205	○

WIERTŁA NA STOŻKU MORSE'A

Taper shank drills

Неручь RF
LUBING TECHNOLOGIES

INTEGRA
TOOLS

41121

DIN 345 N

SZLIFOWANE
Grinded



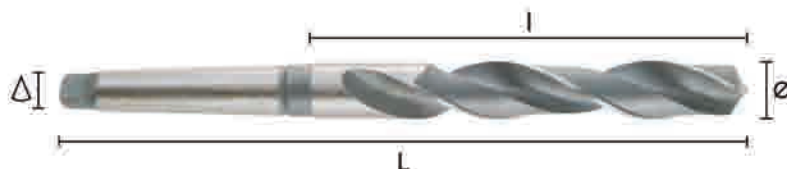
HSS

ZASTOSOWANIE
Applications:

Rm 400 – 800 N/mm²

STAL / Steel

GG



KOD	Ø	I	L	Δ	D/S	KOD	Ø	I	L	Δ	D/S
411210500	5,00	52	133	1	○	411211625	16,25	125	223	2	○
411210525	5,25	52	133	1	○	411211650	16,50	125	223	2	●
411210550	5,50	57	138	1	○	411211675	16,75	125	223	2	○
411210575	5,75	57	138	1	○	411211700	17,00	125	223	2	●
411210600	6,00	57	138	1	○	411211725	17,25	130	228	2	○
411210625	6,25	63	144	1	○	411211750	17,50	130	228	2	●
411210650	6,50	63	144	1	○	411211775	17,75	130	228	2	○
411210675	6,75	69	150	1	○	411211800	18,00	130	228	2	●
411210700	7,00	69	150	1	○	411211825	18,25	135	233	2	○
411210725	7,25	69	150	1	○	411211850	18,50	135	233	2	●
411210750	7,50	69	150	1	○	411211875	18,75	135	233	2	○
411210775	7,75	75	156	1	○	411211900	19,00	135	233	2	●
411210800	8,00	75	156	1	○	411211925	19,25	140	238	2	○
411210825	8,25	75	156	1	○	411211950	19,50	140	238	2	○
411210850	8,50	75	156	1	○	411211975	19,75	140	238	2	○
411210875	8,75	81	162	1	○	411212000	20,00	140	238	2	●
411210900	9,00	81	162	1	○	411212025	20,25	145	243	2	○
411210925	9,25	81	162	1	○	411212050	20,50	145	243	2	○
411210950	9,50	81	162	1	○	411212075	20,75	145	243	2	○
411210975	9,75	87	168	1	○	411212100	21,00	145	243	2	●
411211000	10,00	87	168	1	●	411212125	21,25	150	248	2	○
411211025	10,25	87	168	1	○	411212150	21,50	150	248	2	○
411211050	10,50	87	168	1	●	411212175	21,75	150	248	2	○
411211075	10,75	94	175	1	○	411212200	22,00	150	248	2	●
411211100	11,00	94	175	1	●	411212225	22,25	150	248	2	○
411211125	11,25	94	175	1	○	411212250	22,50	155	253	2	○
411211150	11,50	94	175	1	●	411212275	22,75	155	253	2	○
411211175	11,75	94	175	1	○	411212300	23,00	155	253	2	●
411211200	12,00	101	182	1	●	411212325	23,25	155	276	3	○
411211225	12,25	101	182	1	○	411212350	23,50	155	276	3	○
411211250	12,50	101	182	1	●	411212375	23,75	160	281	3	○
411211275	12,75	101	182	1	○	411212400	24,00	160	281	3	●
411211300	13,00	101	182	1	●	411212425	24,25	160	281	3	○
411211325	13,25	108	189	1	○	411212450	24,50	160	281	3	○
411211350	13,50	108	189	1	●	411212475	24,75	160	281	3	○
411211375	13,75	108	189	1	○	411212500	25,00	160	281	3	●
411211400	14,00	108	189	1	●	411212525	25,25	165	286	3	○
411211425	14,25	114	212	2	○	411212550	25,50	165	286	3	○
411211450	14,50	114	212	2	●	411212575	25,75	165	286	3	○
411211475	14,75	114	212	2	○	411212600	26,00	165	286	3	●
411211500	15,00	114	212	2	●	411212625	26,25	165	286	3	○
411211525	15,25	120	218	2	○	411212650	26,50	165	286	3	○
411211550	15,50	120	218	2	●	411212675	26,75	170	291	3	○
411211575	15,75	120	218	2	○	411212700	27,00	170	291	3	○
411211600	16,00	120	218	2	●	411212725	27,25	170	291	3	○

D/S Dostępność
D/S Stock status

○ Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

WIERTŁA NA STOŻKU MORSE'A

Taper shank drills



Kontynuacja 41121

KOD	Ø	I	L	△	D/S
411212750	27,50	170	291	3	○
411212775	27,75	170	291	3	○
411212800	28,00	170	291	3	○
411212825	28,25	175	296	3	○
411212850	28,50	175	296	3	○
411212875	28,75	175	296	3	○
411212900	29,00	175	296	3	○
411212925	29,25	175	296	3	○
411212950	29,50	175	296	3	○
411212975	29,75	175	296	3	○
411213000	30,00	175	296	3	○
411213025	30,25	180	301	3	○
411213050	30,50	180	301	3	○
411213075	30,75	180	301	3	○
411213100	31,00	180	301	3	○
411213125	31,25	180	301	3	○
411213150	31,50	180	301	3	○
411213175	31,75	185	306	3	○
411213200	32,00	185	334	4	○
411213250	32,50	185	334	4	○
411213300	33,00	185	334	4	○
411213350	33,50	185	334	4	○
411213400	34,00	190	339	4	○
411213450	34,50	190	339	4	○
411213500	35,00	190	339	4	○
411213550	35,50	190	339	4	○
411213600	36,00	195	344	4	○
411213650	36,50	195	344	4	○
411213700	37,00	195	344	4	○
411213750	37,50	195	344	4	○
411213800	38,00	200	349	4	○
411213850	38,50	200	349	4	○
411213900	39,00	200	349	4	○
411213950	39,50	200	349	4	○
411214000	40,00	200	349	4	○
411214050	40,50	205	354	4	○
411214100	41,00	205	354	4	○
411214150	41,50	205	354	4	○
411214200	42,00	205	354	4	○
411214250	42,50	205	354	4	○
411214300	43,00	210	359	4	○
411214350	43,50	210	359	4	○
411214400	44,00	210	359	4	○

KOD	Ø	I	L	△	D/S
411214450	44,50	210	359	4	○
411214500	45,00	210	359	4	○
411214550	45,50	215	364	4	○
411214600	46,00	215	364	4	○
411214650	46,50	215	364	4	○
411214700	47,00	215	364	4	○
411214750	47,50	215	364	4	○
411214800	48,00	220	369	4	○
411214850	48,50	220	369	4	○
411214900	49,00	220	369	4	○
411214950	49,50	220	369	4	○
411215000	50,00	220	369	4	○
411215100	51,00	225	412	5	○
411215200	52,00	225	412	5	○
411215300	53,00	225	412	5	○
411215400	54,00	230	417	5	○
411215500	55,00	230	417	5	○
411215600	56,00	230	417	5	○
411215700	57,00	235	422	5	○
411215800	58,00	235	422	5	○
411215900	59,00	235	422	5	○
411216000	60,00	235	422	5	○
411216100	61,00	240	427	5	○
411216200	62,00	240	427	5	○
411216300	63,00	240	427	5	○
411216400	64,00	245	432	5	○
411216500	65,00	245	432	5	○
411216600	66,00	245	432	5	○
411216700	67,00	245	432	5	○
411216800	68,00	250	437	5	○
411216900	69,00	250	437	5	○
411217000	70,00	250	437	5	○
411217100	71,00	250	437	5	○
411217200	72,00	255	442	5	○
411217300	73,00	255	442	5	○
411217400	74,00	255	442	5	○
411217500	75,00	255	442	5	○
411217600	76,00	260	447	5	○
411217700	77,00	260	514	6	○
411217800	78,00	260	514	6	○
411217900	79,00	260	514	6	○
411218000	80,00	260	514	6	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

90010

UCHWYT WIERTARSKI SAMOZACISKOWY
Keyless drill chuck

MAKSYMALNE BICIE / Maximum eccentricity 0,1 mm



KOD	Ø	D	L	k	D/S
900100010	1 – 10	44	84	B12	○
900100020	1 – 10	44	84	B16	●
900100040	1 – 13	51	94	B16	●
900100050	1 – 16	54	102	B16	●
900100060	1 – 16	54	102	B18	○
900100070	5 – 20	57	129	B22	○

90110

UCHWYT WIERTARSKI KLUCZOWY
Key drill chuck



KOD	Ø	D	L	k	D/S
901100010	0,6 – 6	30	49	B10	○
901100030	1,5 – 10	34	58	B12	○
901100040	1,5 – 13	42	71	B16	●
901100050	3 – 16	52	86	B16	●
901100060	3 – 16	52	86	B18	○
901100070	5 – 20	65	114	B22	○

90120

UCHWYT WIERTARSKI SAMOZACISKOWY
Keyless drill chuck



KOD	Ø	D	L	k	D/S
901200020	1 – 10	43	61	3/8"-24	○
901200030	1 – 10	43	61	1/2"-20	○
901200040	1,5 – 13	43	65	1/2"-20	○
901200050	1,5 – 13	43	65	3/8"-20	○

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

90220

UCHWYT WIERTARSKI KLUCZOWY
Key drill chuck



KOD	Ø	D	L	k	D/S
902200020	1,5 – 10	34	58	3/8"-24	Ø
902200030	1,5 – 10	34	58	1/2"-20	Ø
902200040	1,5 – 13	42	71	3/8"-24	Ø
902200050	1,5 – 13	42	71	1/2"-20	Ø
902200060	3 – 16	52	86	5/8"-16	Ø
902200070	3 – 16	52	86	1/2"-20	Ø

90300

TRZPIEŃ DO UCHWYTÓW WIERTARSKICH
Drill chuck arbor



KOD	Δ	k	D/S
903000020	2	B16	●
903000030	2	B18	Ø
903000040	3	B16	Ø
903000050	3	B18	Ø

90400

TULEJA REDUKCYJNA
Reduction sleeve



KOD	Δ	D/S	KOD	Δ	D/S
904000021	2 / 1	●	904000043	4 / 3	●
904000031	3 / 1	●	904000052	5 / 2	●
904000032	3 / 2	●	904000053	5 / 3	●
904000041	4 / 1	●	904000054	5 / 4	●
904000042	4 / 2	●			

D/S Dostępność
D/S Stock status

● Standard
● Standard

○ Czas dostawy na zapytanie
○ Lead time on enquiry

NOTATKI

Note

