














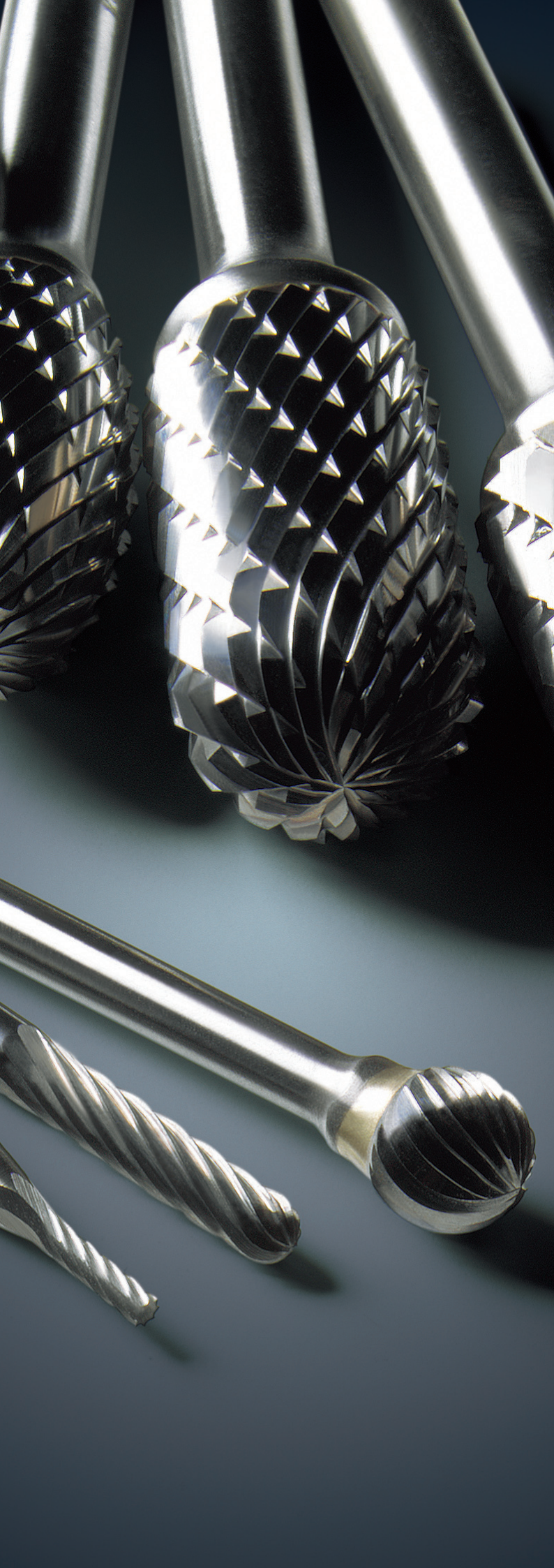
CARBIDE BURRS



SELECTION GUIDE . 684

CARBIDE BURRS . 685

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INFO

CARBIDE DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA

HSS DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS END-MILLS

CARBIDE BURRS

CARBIDE BURRS

🇬🇧 Don't miss the Osawa quality on carbide rotary burrs, available in a wide variety of shapes and geometries.

🇮🇹 Ritrovate tutta la qualità Osawa anche nella gamma di lime rotative in metallo duro, disponibili in un'ampia scelta di forme e geometrie.

🇩🇪 Die Osawa- Qualität steht auch für Hartmetall-Rotierfräser. Diese sind in einer breiten Auswahl an Formen und Geometrien erhältlich.

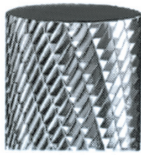
🇫🇷 Retrouvez toute la qualité Osawa dans la gamme de limes rotatives carbure, disponibles dans une grande variété de formes et géométries.

🇪🇸 Toda la calidad Osawa también se propone en la gama de limas rotativas de metal duro, disponibles con una amplia variedad de formas y geometrías.

🇷🇺 Широкий выбор форм и геометрии в сочетании с высочайшим качеством характеризует линию твердосплавных борфрез Osawa.

CARBIDE BURRS

INFO



M

M

- Double cut
- Doppio taglio
- 2 Schneiden

- Coupe double
- Doble corte
- Двойная заточка

MPC



MPC

- Plain cut
- Taglio piano
- Flachschneide

- Coupe plane
- Corte plano
- Обычная заточка

MFN

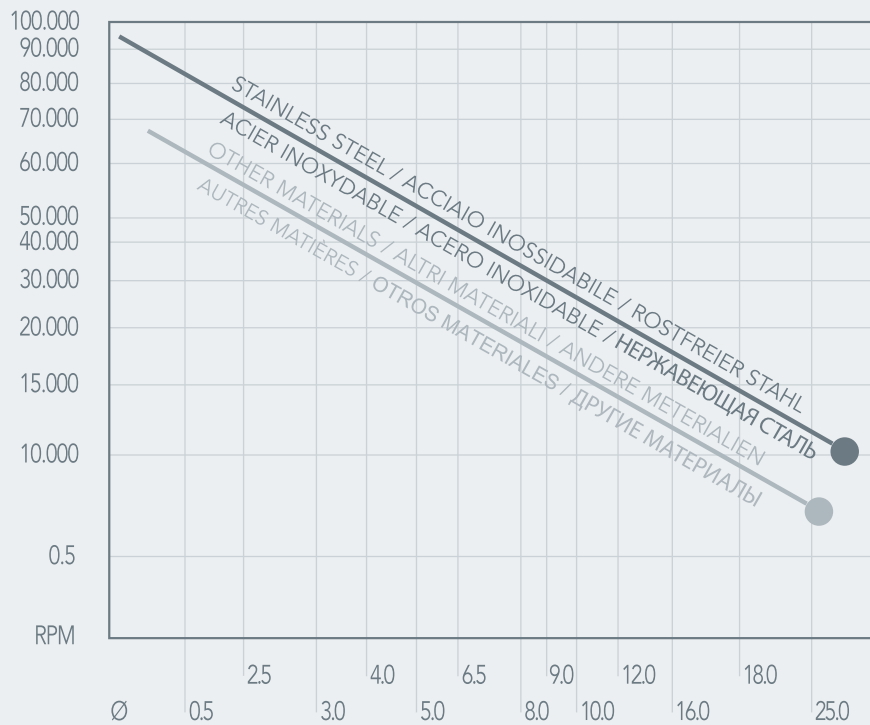


MFN

Alucut

- SPEED TABLE
- TABELLA VELOCITÀ
- GESCHWINDIGKEITSTABELLE

- TABLEAU DE VITESSE
- TABLA DE VELOCIDAD
- ТАБЛИЦА СКОРОСТЕЙ



CARBIDE DRILLS

- PU-HPU
- 4HTA
- GA-HGA
- CV
- HVA
- ALH
- HRC
- SUH-MINI
- HL
- HSD
- C-SD-TA

HSS DRILLS

- LFTA
- SUTA
- HSS-HSS/CO

CARBIDE END-MILLS

- G2
- HF VH/UP
- MEF
- ALU
- MEX/MH
- UH/MH

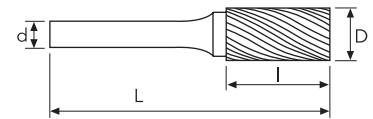
HSS END-MILLS

CARBIDE BURRS

SA

OSAWA
NORM

INFO



- ⚠ Always wear goggles when using the rotary burrs
- 🇮🇹 Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- 🇩🇪 Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- 🇫🇷 Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- 🇪🇸 Para usar las limas rotativas es obligatorio usar gafas de protección
- 🇷🇺 При работе с борфрезами всегда используйте защитные очки

M	MPC	MNF

CARBIDE
DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA

HSS
DRILLS

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CARBIDE
END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS
END-MILLS

CARBIDE
BURRS

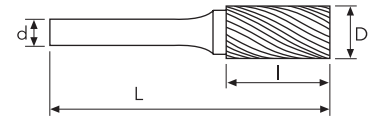
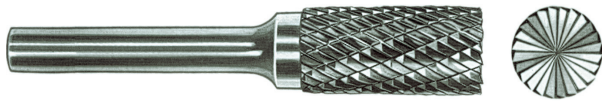
D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
1.5	3		6	38		5	SA41M	Solid	●	SA41MPC	Solid	●			
2.5	3		11	38		5	SA42M	Solid	●	SA42MPC	Solid	●			
3.0	3		14	38		5	SA43M	Solid	●	SA43MPC	Solid	●			
3.0		6	12	50		5	SA11M	Solid	●	SA11MPC	Solid	○			
4.0	3		12	38		5	SA52M	Solid	●	SA52MPC	Solid	●			
4.0		6	13	50		5	SA13M	Solid	●	SA13MPC	Solid	○			
5.0	3		12.7	38		5	SA53M	Solid	●	SA53MPC	Solid	●			
5.0		6	16	50		5	SA14M	Solid	●	SA14MPC	Solid	○			
6.0		6	18	50		5	SA1M	Solid	●	SA1MPC	Solid	○	SA1MNF	Solid	○
6.3	3		12.7	45		5	SA51M	Brazed	●	SA51MPC	Brazed	●			
8.0		6	19	64		5	SA2M	Brazed	●	SA2MPC	Brazed	○			
9.5		6	19	64		5	SA3M	Brazed	●	SA3MPC	Brazed	○	SA3MNF	Brazed	○
11.0		6	25	70		5	SA4M	Brazed	●	SA4MPC	Brazed	○			
12.7		6	25	70		5	SA5M	Brazed	●	SA5MPC	Brazed	○	SA5MNF	Brazed	○
16.0		6	25	70		5	SA6M	Brazed	●	SA6MPC	Brazed	○	SA6MNF	Brazed	○
19.0		6	25	70		5	SA7M	Brazed	●	SA7MPC	Brazed	○	SA7MNF	Brazed	○
25.0		6	25	70		5	SA9M	Brazed	●	SA9MPC	Brazed	○			

● stock standard ○ non-standard stock ▽ stock exhaustion

INFO

SB

OSAWA
NORM



CARBIDE
DRILLS

- PU-HPU
- 4HTA
- GA-HGA
- CV
- HVA
- ALH
- HRC
- SUH MINI
- HL
- HSD
- C-SD-TA



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- Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- Para usar las limas rotativas es obligatorio usar gafas de protección
- При работе с борфрезами всегда используйте защитные очки



D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
1.5	3		6	38		5	SB41M	Solid	●	SB41MPC	Solid	●			
2.5	3		11	38		5	SB42M	Solid	●	SB42MPC	Solid	●			
3.0	3		14	38		5	SB43M	Solid	●	SB43MPC	Solid	●			
3.0		6	12	50		5	SB11M	Solid	●	SB11MPC	Solid	○			
4.0		6	13	50		5	SB13M	Solid	●	SB13MPC	Solid	○			
5.0		6	16	50		5	SB14M	Solid	●	SB14MPC	Solid	○			
6.0		6	18	50		5	SB1M	Solid	●	SB1MPC	Solid	○	SB1MNF	Solid	○
6.3	3		4.7	37		5	SB51M	Brazed	●	SB51MPC	Brazed	●			
8.0		6	19	64		5	SB2M	Brazed	●	SB2MPC	Brazed	○			
9.5		6	19	64		5	SB3M	Brazed	●	SB3MPC	Brazed	○	SB3MNF	Brazed	○
11.0		6	25	70		5	SB4M	Brazed	●	SB4MPC	Brazed	○			
12.7		6	25	70		5	SB5M	Brazed	●	SB5MPC	Brazed	○	SB5MNF	Brazed	○
16.0		6	25	70		5	SB6M	Brazed	●	SB6MPC	Brazed	○	SB6MNF	Brazed	○
19.0		6	25	70		5	SB7M	Brazed	○	SB7MPC	Brazed	○	SB7MNF	Brazed	○
25.0		6	25	70		5	SB9M	Brazed	○	SB9MPC	Brazed	○			

HSS
DRILLS

- LFTA
- SUTA
- HSS-HSS/CO

CARBIDE
END-MILLS

- G2
- HF VH/UP
- MEF
- ALU
- MEX/MH
- UH/MH

HSS
END-MILLS

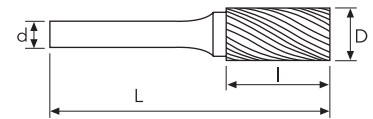
CARBIDE
BURRS

● stock standard ○ non-standard stock ▽ stock exhaustion

SC

OSAWA
NORM

INFO



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M	MPC	MNF

CARBIDE
DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA

HSS
DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE
END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS
END-MILLS

CARBIDE
BURRS

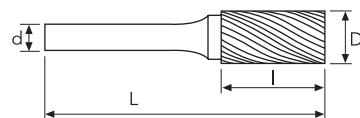
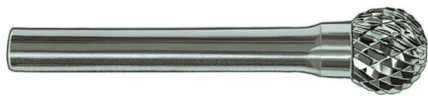
D	d (3)	d (6)	I	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
2.5	3		11	38		5	SC41M	Solid	●	SC41MPC	Solid	●			
3.0	3		14	38		5	SC42M	Solid	●	SC42MPC	Solid	●			
3.0		6	12	50		5	SC11M	Solid	●	SC11MPC	Solid	○			
4.0		6	13	50		5	SC13M	Solid	●	SC13MPC	Solid	○			
5.0	3		12.7	38		5	SC53M	Solid	●	SC53MPC	Solid	●			
5.0		6	16	50		5	SC14M	Solid	●	SC14MPC	Solid	○			
6.0		6	18	50		5	SC1M	Solid	●	SC1MPC	Solid	○	SC1MNF	Solid	○
6.3	3		12.7	45		5	SC51M	Brazed	●	SC51MPC	Brazed	●			
8.0		6	19	63		5	SC2M	Brazed	●	SC2MPC	Brazed	○			
9.5		6	19	63		5	SC3M	Brazed	●	SC3MPC	Brazed	○	SC3MNF	Brazed	○
11.0		6	25	70		5	SC4M	Brazed	●	SC4MPC	Brazed	○			
12.7		6	25	70		5	SC5M	Brazed	●	SC5MPC	Brazed	○	SC5MNF	Brazed	○
16.0		6	25	70		5	SC6M	Brazed	●	SC6MPC	Brazed	○	SC6MNF	Brazed	○
19.0		6	25	70		5	SC7M	Brazed	○	SC7MPC	Brazed	○	SC7MNF	Brazed	○
25.0		6	25	70		5	SC9M	Brazed	○	SC9MPC	Brazed	○			

● stock standard ○ non-standard stock ▽ stock exhaustion

INFO

SD

OSAWA
NORM



CARBIDE
DRILLS

PU-HPU

4HTA

GA-HGA

CV

HVA

ALH

HRC

SUH-MINI

HL

HSD

C-SD-TA



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D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
2.5	3		2.3	38		5	SD41M	Solid	●	SD41MPC	Solid	●			
3.0	3		2.5	38		5	SD42M	Solid	●	SD42MPC	Solid	●			
3.0		6	2.5	50		5	SD11M	Solid	●	SD11MPC	Solid	○			
5.0	3		4.7	38		5	SD53M	Solid	●	SD53MPC	Solid	●			
5.0		6	4	50		5	SD14M	Solid	●	SD14MPC	Solid	○			
6.0		6	4.7	50		5	SD1M	Solid	●	SD1MPC	Solid	○	SD1MNF	Solid	○
6.3	3		5	38		5	SD51M	Brazed	●	SD51MPC	Brazed	●			
8.0		6	6	52		5	SD2M	Brazed	●	SD2MPC	Brazed	○			
9.5		6	8	54		5	SD3M	Brazed	●	SD3MPC	Brazed	○	SD3MNF	Brazed	○
11.0		6	9.5	55		5	SD4M	Brazed	●	SD4MPC	Brazed	○			
12.7		6	11	56		5	SD5M	Brazed	●	SD5MPC	Brazed	○	SD5MNF	Brazed	○
16.0		6	14	60		5	SD6M	Brazed	●	SD6MPC	Brazed	○	SD6MNF	Brazed	○
19.0		6	16.5	62		5	SD7M	Brazed	●	SD7MPC	Brazed	○	SD7MNF	Brazed	○
25.0		6	22	68		5	SD9M	Brazed	●	SD9MPC	Brazed	○			

CARBIDE
END-MILLS

G2

HF VH/UP

MEF

ALU

MEX/MH

UH/MH

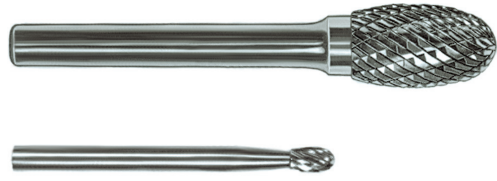
HSS
END-MILLS

CARBIDE
BURRS

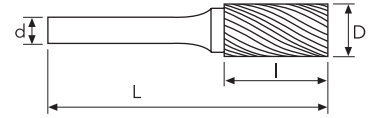
● stock standard ○ non-standard stock ▽ stock exhaustion

SE

OSAWA
NORM



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- 🇫🇷 Toujours porter les lunettes de sécurité en utilisant les limes rotatives
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										M		MPC		MNF	
D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
3.0	3		5.5	38		5	SE41M	Solid	●	SE41MPC	Solid	●			
6.0		6	10	50		5	SE1M	Solid	●	SE1MPC	Solid	○			
5.0	3		7.1	38		5	SE53M	Solid	●	SE53MPC	Solid	●			
6.3	3		9.5	42		5	SE51M	Brazed	●	SE51MPC	Brazed	●			
9.5		6	16	60		5	SE3M	Brazed	●	SE3MPC	Brazed	○	SE3MNF	Brazed	○
12.7		6	22	67		5	SE5M	Brazed	●	SE5MPC	Brazed	○	SE5MNF	Brazed	○
16.0		6	25	70		5	SE6M	Brazed	●	SE6MPC	Brazed	○	SE6MNF	Brazed	○
19.0		6	25	70		5	SE7M	Brazed	○	SE7MPC	Brazed	○	SE7MNF	Brazed	○

CARBIDE
DRILLS

- PU-HPU
- 4HTA
- GA-HGA
- CV
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- ALH
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- SUH MINI
- HL
- HSD
- C-SD-TA

HSS
DRILLS

- LFTA
- SUTA
- HSS-HSS/CO

CARBIDE
END-MILLS

- G2
- HF VH/UP
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- UH/MH

HSS
END-MILLS

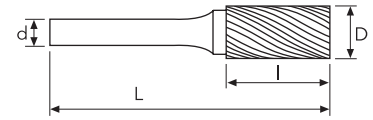
CARBIDE
BURRS

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INFO

SF

OSAWA
NORM



CARBIDE
DRILLS

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3.0	3		6	38		5	SF41M	Solid	●	SF41MPC	Solid	●			
3.0	3		14	38		5	SF42M	Solid	●	SF42MPC	Solid	●			
3.0		6	12	50		5	SF11M	Solid	●	SF11MPC	Solid	○			
5.0	3		12.7	38		5	SF53M	Solid	●	SF53MPC	Solid	●			
6.0		6	18	50		5	SF1M	Solid	●	SF1MPC	Solid	○	SF1MNF	Solid	○
6.3	3		12.7	45		5	SF51M	Brazed	●	SF51MPC	Brazed	●			
9.6		6	19	64		5	SF3M	Brazed	●	SF3MPC	Brazed	○	SF3MNF	Brazed	○
11.0		6	25	70		5	SF4M	Brazed	●	SF4MPC	Brazed	○			
12.7		6	19	65		5	SF13M	Brazed	○	SF13MPC	Brazed	○			
12.7		6	25	70		5	SF5M	Brazed	●	SF5MPC	Brazed	○	SF5MNF	Brazed	○
16.0		6	25	70		5	SF6M	Brazed	●	SF6MPC	Brazed	○	SF6MNF	Brazed	○
19.0		6	25	70		5	SF7M	Brazed	○	SF7MPC	Brazed	○			

CARBIDE
END-MILLS

G2

HF VH/UP

MEF

ALU

MEX/MH

UH/MH

HSS
END-MILLS

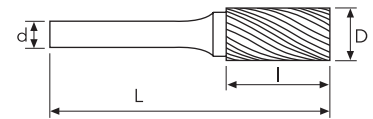
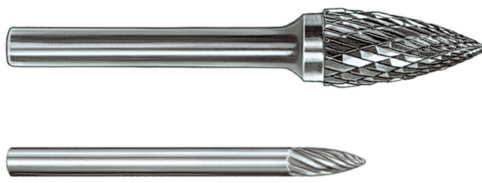
CARBIDE
BURRS

● stock standard ○ non-standard stock ▽ stock exhaustion

SG

OSAWA
NORM

INFO



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D	d (3)	d (6)	l	L	ANGLE	PACKAGING	M			MPC			MNF			
							EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock	
3.0	3		6	38		5	SG41M	Solid	●	SG41MPC	Solid	●				
3.0	3		10	38		5	SG43M	Solid	●	SG43MPC	Solid	●				
3.0	3		14	38		5	SG44M	Solid	●	SG44MPC	Solid	●				
5.0	3		12.7	38		5	SG53M	Solid	●	SG53MPC	Solid	●				
6.0		6	18	50		5	SG1M	Solid	●	SG1MPC	Solid	○				
6.3	3		12.7	45		5	SG51M	Brazed	●	SG51MPC	Brazed	●				
8.0		6	19	64		5	SG2M	Brazed	●	SG2MPC	Brazed	○				
9.5		6	19	64		5	SG3M	Brazed	●	SG3MPC	Brazed	○				
12.7		6	19	64		5	SG13M	Brazed	○	SG13MPC	Brazed	○				
12.7		6	25	70		5	SG5M	Brazed	●	SG5MPC	Brazed	○				
16.0		6	25	70		5	SG6M	Brazed	●	SG6MPC	Brazed	○				
19.0		6	25	70		5	SG7M	Brazed	●	SG7MPC	Brazed	○				
19.0		6	38	83		5	SG15M	Brazed	○	SG15MPC	Brazed	○				

CARBIDE
DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA

HSS
DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE
END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

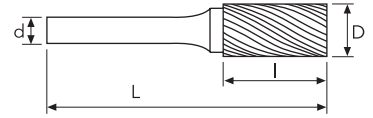
HSS
END-MILLS

CARBIDE
BURRS

INFO

SH

OSAWA
NORM



CARBIDE
DRILLS

PU-HPU

4HTA

GA-HGA

CV

HVA

ALH

HRC

SUH MINI

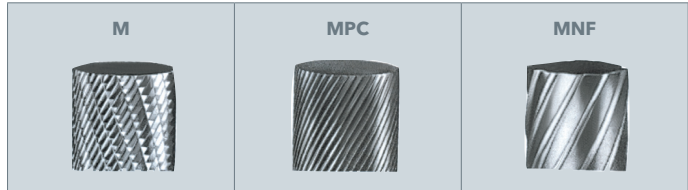
HL

HSD

C-SD-TA



- Always wear goggles when using the rotary burrs
- Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- Para usar las limas rotativas es obligatorio usar gafas de protección
- При работе с борфрезами всегда используйте защитные очки



D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	Stock
3.0	3		6	38		5	SH41M	Solid	●	SH41MPC	Solid	●		
5.0	3		9.5	38		5	SH53M	Solid	●	SH53MPC	Solid	●		
8.0		6	19	64		5	SH2M	Brazed	●	SH2MPC	Brazed	○		
12.7		6	32	77		5	SH5M	Brazed	●	SH5MPC	Brazed	○		
16.0		6	36	80		5	SH6M	Brazed	○	SH6MPC	Brazed	○		

HSS
DRILLS

LFTA

SUTA

HSS-HSS/CO

CARBIDE
END-MILLS

G2

HF VH/UP

MEF

ALU

MEX/MH

UH/MH

HSS
END-MILLS

CARBIDE
BURRS

● stock standard ○ non-standard stock ▽ stock exhaustion

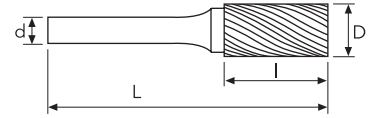
SJ

OSAWA
NORM

INFO

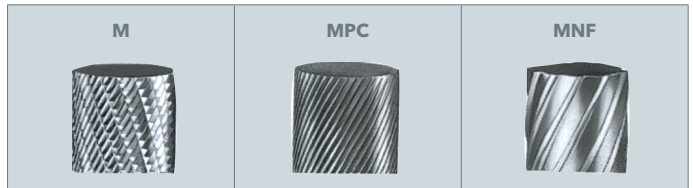


- Always wear goggles when using the rotary burrs
- Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- Para usar las limas rotativas es obligatorio usar gafas de protección
- При работе с борфрезамы всегда используйте защитные очки



CARBIDE
DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA



HSS
DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE
END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS
END-MILLS

CARBIDE
BURRS

D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	Stock
3.0	3		2.5	38	60°	5	SJ42M	Solid	●	SJ42MPC	Solid	●		
6.0		6	4	50	60°	5	SJ1M	Solid	○	SJ1MPC	Solid	○		
9.5		6	8	56	60°	5	SJ3M	Brazed	●	SJ3MPC	Brazed	○		
12.7		6	11	59	60°	5	SJ5M	Brazed	●	SJ5MPC	Brazed	○		
16.0		6	14.5	63	60°	5	SJ6M	Brazed	○	SJ6MPC	Brazed	○		
19.0		6	17.5	65	60°	5	SJ7M	Brazed	○	SJ7MPC	Brazed	○		
25.0		6	24.5	70	60°	5	SJ9M	Brazed	○	SJ9MPC	Brazed	○		

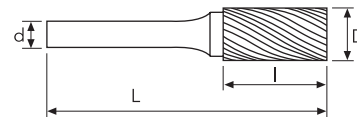
INFO

SK

OSAWA
NORM



CARBIDE
DRILLS



PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA



- Always wear goggles when using the rotary burrs
- Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- Para usar las limas rotativas es obligatorio usar gafas de protección
- При работе с борфрезами всегда используйте защитные очки

M	MPC	MNF

D	d (3)	d (6)	I	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	Stock
3.0	3		1.5	38	90°	5	SK42M	Solid	●	SK42MPC	Solid	●		
6.0		6	3	50	90°	5	SK1M	Solid	●	SK1MPC	Solid	○		
9.5		6	4.7	53	90°	5	SK3M	Brazed	●	SK3MPC	Brazed	○		
12.7		6	6.3	55	90°	5	SK5M	Brazed	●	SK5MPC	Brazed	○		
16.0		6	8	57	90°	5	SK6M	Brazed	●	SK6MPC	Brazed	○		
19.0		6	9.5	59	90°	5	SK7M	Brazed	○	SK7MPC	Brazed	○		
25.0		6	12.7	60	90°	5	SK9M	Brazed	○	SK9MPC	Brazed	○		

HSS
DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE
END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

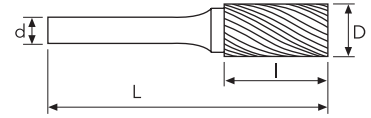
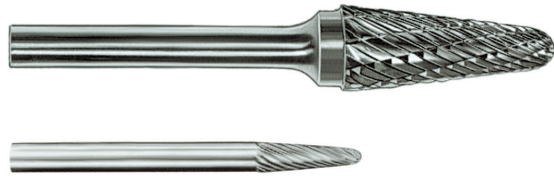
HSS
END-MILLS

CARBIDE
BURRS

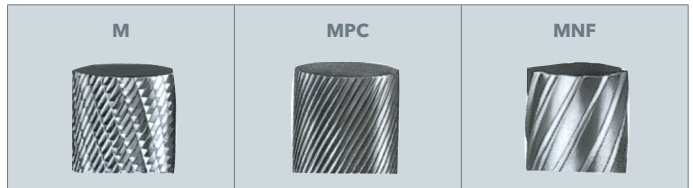
● stock standard ○ non-standard stock ▽ stock exhaustion

SL

OSAWA NORM



- ⚠ Always wear goggles when using the rotary burrs
- 🇮🇹 Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- 🇩🇪 Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- 🇫🇷 Toujours porter les lunettes de securité en utilisant les limes rotatives
- 🇪🇸 Para usar las limas rotativas es obligatorio usar gafas de protección
- 🇷🇺 При работе с борфрезями всегда используйте защитные очки



D	d (3)	d (6)	l	L	ANGLE	PACKAGING	M			MPC			MNF		
							EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	type	Stock
3.0	3		10	38	10°	5	SL41M	Solid	●	SL41MPC	Solid	●			
3.0	3		14	38	8°	5	SL42M	Solid	●	SL42MPC	Solid	●			
5.0	3		12.7	38	14°	5	SL53M	Solid	●	SL53MPC	Solid	●			
6.0		6	18	50	14°	5	SL1M	Solid	●	SL1MPC	Solid	○			
8.0		6	25.4	70	14°	5	SL2M	Brazed	●	SL2MPC	Brazed	○			
9.6		6	30.2	76	14°	5	SL3M	Brazed	●	SL3MPC	Brazed	○	SL3MNF	Brazed	○
12.7		6	32	77	14°	5	SL4M	Brazed	●	SL4MPC	Brazed	○	SL4MNF	Brazed	○
16.0		6	33.3	78	14°	5	SL5M	Brazed	●	SL5MPC	Brazed	○	SL5MNF	Brazed	○
19.0		6	41.3	86	14°	5	SL7M	Brazed	○	SL7MPC	Brazed	○			

CARBIDE DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA

HSS DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS END-MILLS

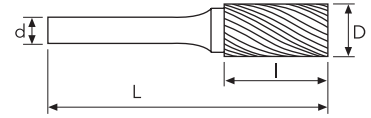
CARBIDE BURRS

● stock standard ○ non-standard stock ▽ stock exhaustion

INFO

SM

OSAWA
NORM



CARBIDE
DRILLS

PU-HPU

4HTA

GA-HGA

CV

HVA

ALH

HRC

SUH MINI

HL

HSD

C-SD-TA



- 🔴 Always wear goggles when using the rotary burrs
- 🇮🇹 Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- 🇩🇪 Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- 🇫🇷 Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- 🇪🇸 Para usar las limas rotativas es obligatorio usar gafas de protección
- 🇷🇺 При работе с борфрезами всегда используйте защитные очки

M	MPC	MNF

D	d (3)	d (6)	l	L	ANGLE	PACKAGING	EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	Stock
3.0	3		8	38	18°	5	SM41M	Solid	●	SM41MPC	Solid	●		
3.0	3		11	38	14°	5	SM42M	Solid	●	SM42MPC	Solid	●		
3.0	3		15	38	10°	5	SM43M	Solid	●	SM43MPC	Solid	●		
6.0		6	12.7	50	22°	5	SM1M	Solid	●	SM1MPC	Solid	○		
6.0		6	20	50	14°	5	SM2M	Solid	●	SM2MPC	Solid	○		
6.0		6	25	50	10°	5	SM3M	Solid	●	SM3MPC	Solid	○		
6.3	3		12.7	51	22°	5	SM51M	Brazed	●	SM51MPC	Brazed	●		
9.5		6	16	64	28°	5	SM4M	Brazed	●	SM4MPC	Brazed	○		
12.7		6	22	71	28°	5	SM5M	Brazed	●	SM5MPC	Brazed	○		
16.0		6	25	74	31°	5	SM6M	Brazed	●	SM6MPC	Brazed	○		

HSS
DRILLS

LFTA

SUTA

HSS-HSS/CO

CARBIDE
END-MILLS

G2

HF VH/UP

MEF

ALU

MEX/MH

UH/MH

HSS
END-MILLS

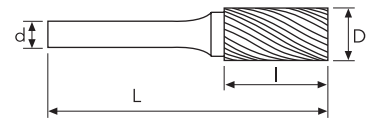
CARBIDE
BURRS

● stock standard ○ non-standard stock ▽ stock exhaustion

SN

OSAWA
NORM

INFO



CARBIDE
DRILLS

- PU-HPU
- 4HTA
- GA-HGA
- CV
- HVA
- ALH
- HRC
- SUH MINI
- HL
- HSD
- C-SD-TA



- Always wear goggles when using the rotary burrs
- Per l'uso delle lime rotative è obbligatorio indossare occhiali protettivi
- Tragen Sie immer die Schutzbrille wenn Sie die Fräser benutzen
- Toujours porter les lunettes de sécurité en utilisant les limes rotatives
- Para usar las limas rotativas es obligatorio usar gafas de protección
- При работе с борфрезами всегда используйте защитные очки



HSS
DRILLS

- LFTA
- SUTA
- HSS-HSS/CO

CARBIDE
END-MILLS

- G2
- HF VH/UP
- MEF
- ALU
- MEX/MH
- UH/MH

HSS
END-MILLS

CARBIDE
BURRS

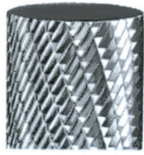
D	d (3)	d (6)	l	L	ANGLE	PACKAGING	M			MPC			MNF	
							EDP No.	type	Stock	EDP No.	type	Stock	EDP No.	Stock
3.0	3		4	38	10°	5	SN42M	Solid	●	SN42MPC	Solid	●		
6.0		6	8	50	10°	5	SN1M	Solid	●	SN1MPC	Solid	○		
6.3	3		6	39	12°	5	SN51M	Brazed	○	SN51MPC	Brazed	○		
9.5		6	9.5	55	13°	5	SN2M	Brazed	●	SN2MPC	Brazed	○		
12.7		6	12.7	58	28°	5	SN4M	Brazed	●	SN4MPC	Brazed	○		
16.0		6	19	64	18°	5	SN6M	Brazed	○	SN6MPC	Brazed	○		
19.0		6	16	61	30°	5	SN7M	Brazed	○	SN7MPC	Brazed	○		

● stock standard ○ non-standard stock ∇ stock exhaustion

INFO

CARBIDE DRILLS

PU-HPU
4HTA
GA-HGA
CV
HVA
ALH
HRC
SUH MINI
HL
HSD
C-SD-TA



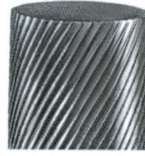
M



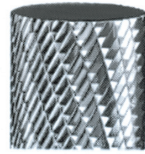
BUR10 M TYPE

Set 10pcs. - shank Ø6 mm

SA1 - SB1 - SC1 - SD1 - SE1 - SF1 - SG1 - SL1 - SM1 - SN1



MPC



M



A15FW MPC TYPE

Set 15pcs. - shank Ø3 mm

SA41 - SA42 - SA43 - SA52 - SB43 - SC42 - SD41 - SD42 - SD53 - SE41 - SG43 - SL42 - SM42 - SM43 - SN42

A16FW M TYPE

Set 15pcs. - shank Ø3 mm

SA41 - SA42 - SA43 - SA52 - SB43 - SC42 - SD41 - SD42 - SD53 - SE41 - SG43 - SL42 - SM42 - SM43 - SN42

HSS DRILLS

LFTA
SUTA
HSS-HSS/CO

CARBIDE END-MILLS

G2
HF VH/UP
MEF
ALU
MEX/MH
UH/MH

HSS END-MILLS

CARBIDE BURRS