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**SGS<sup>®</sup>**

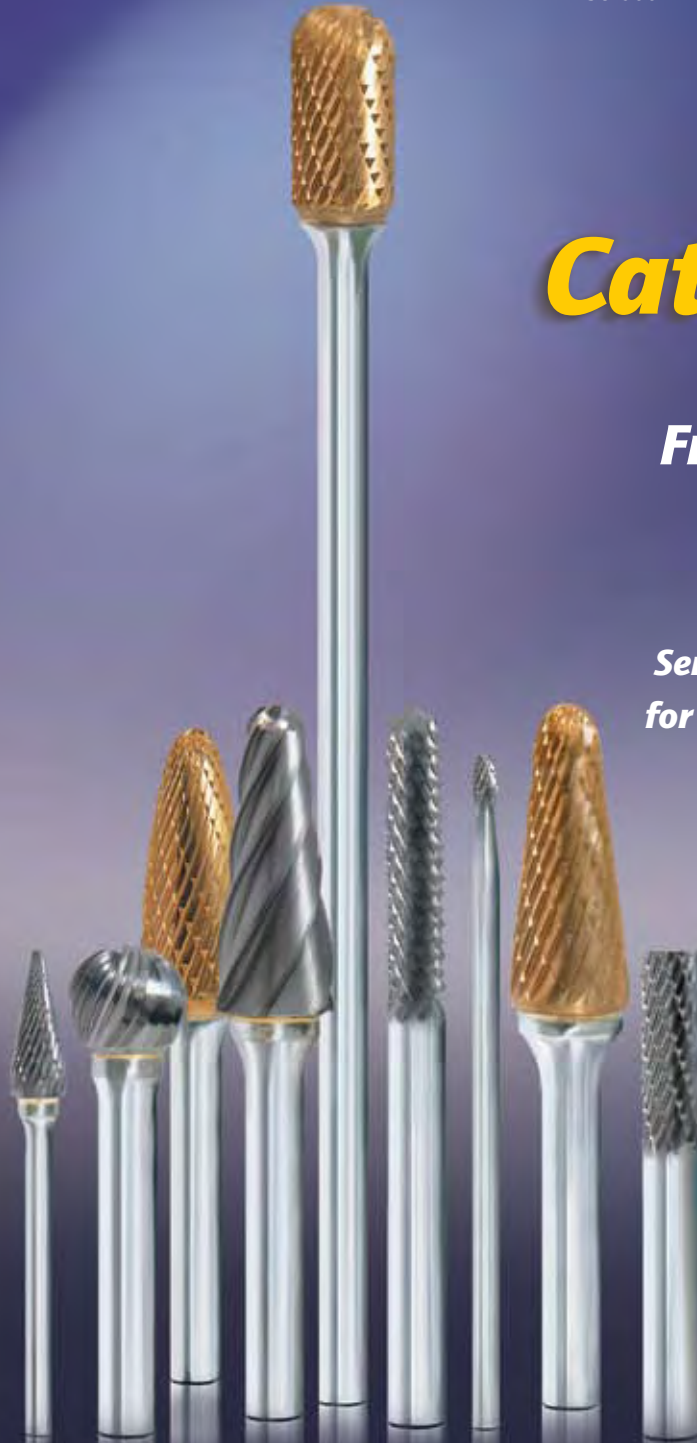
***Solid Carbide Tools***

An ISO 9001: 2000 Certified Company

# ***Bur Catalog***

***Fractional  
&  
Metric***

***Serving Industry  
for over 50 Years***



[www.sgstool.com](http://www.sgstool.com)

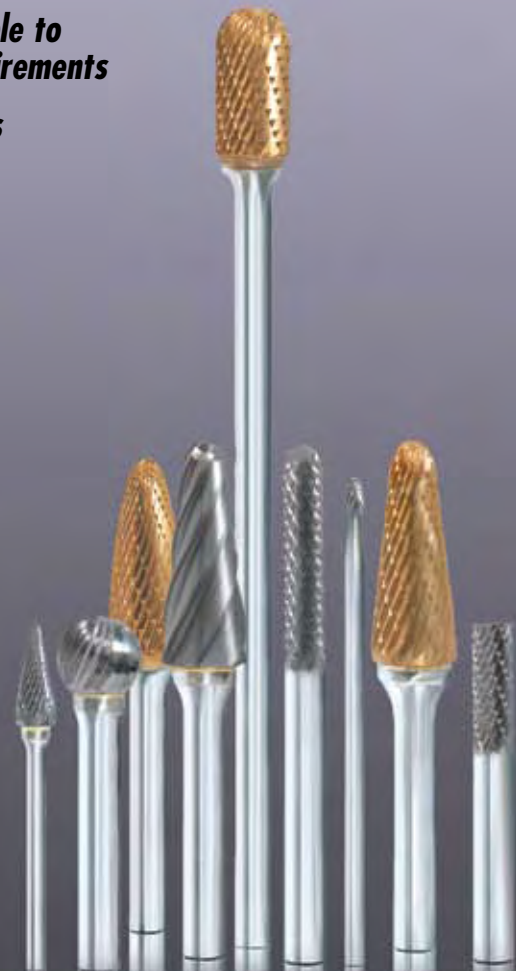


**Solid Carbide Tools**

# **SOLID CARBIDE BURS**

## **Features and Benefits**

- **Full line for a wide range of applications**
- **Ferrous and nonferrous configurations for excellent finishes and efficient stock removal**
- **Thirteen head shapes**
- **A wide range of fluting styles**
- **Extra-long shanks available**
- **Miniature burs**
- **Automated temperature-controlled brazing**
- **Special configurations available to meet specific application requirements**
- **Machine-ground cutting flutes**
- **Tool-to-Tool consistency**
- **Complete resharpener services available**
- **Lab inspected raw materials**



# Table of Contents

## Solid Carbide Burs

E

ES

FR

Fractional Burs	Rotativas Fraccionario	Fraises - Limes	Page
SA Cylinder Shape	Limas rotativas forma cilíndrica	Fraises - Limes forma cylindrique	4
SB Cylinder Shape with End Cut	Limas rotativas en forma cilíndrica con corte frontal	Fraises - Limes Forma cylindrique avec denture en bout	5
SC Cylinder Shape with Radius End	Limas rotativas en forma cilíndrica con radio	Fraises-limes de forme cylindrique à bout hémisphérique	6
SD Ball Shape	Limas rotativas esféricas	Fraises-limes de forme sphérique	7
SE Oval Shape	Limas rotativas en forma ovalada	Fraises-limes de forme ovale	8
SF Tree Shape with Radius End	Limas rotativas en forma de árbol	Fraises-limes en forme d'ogive à bout hémisphérique	9
SG Tree Shape with Pointed End	Limas rotativas en forma de árbol puntiagudo	Fraises-limes en forme d'ogive à bout pointu	10
SH Flame Shape	Limas rotativas en forma de llama	Fraises-limes en forme de flamme	11
SJ, SK 60° & 90° Cone Shape	Limas rotativas cónica	Fraises-limes de forme conique	12
SL Taper Shape with Radius End	Limas rotativas cónicas con radio en la punta	Fraises-limes de forme conique, à bout hémisphérique	13
SM, SN Cone & Inverted Cone Shape	Limas rotativas cónicas, cónica invertida	Fraises-limes de forme conique et conique inversée	14
Long Shank	Limas rotativas con zanco largo	Fraises-limes à queue longue	15-16
Mold, Tool & Die Making	Limas rotativas para moldes, herramientas y matrices	Fraises-limes pour moulistes, outils et matrices	17-18
Bur Sets	Juego de limas rotativas	Coffrete	19-21

Fiberglass Routers	Fresas De Contornear	Fraises Pour Detourage	Page
Fiberglass Routers - Fractional	Fresas para fibra de vidrio - Fraccionario	Fraises pour fibre de verre - Partiel	22

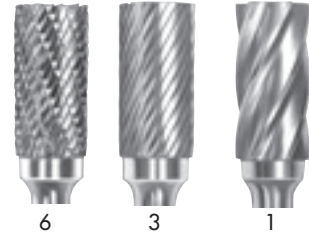
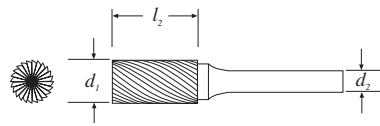
Metric Burs	Rotativas - Métrico	Fraises-Limes Métrique	Page
SA Cylinder Shape	Limas rotativas forma cilíndrica	Fraises - Limes forma cylindrique	24
SB Cylinder Shape with End Cut	Limas rotativas en forma cilíndrica con corte frontal	Fraises - Limes Forma cylindrique avec denture en bout	25
SC Cylinder Shape with Radius End	Limas rotativas en forma cilíndrica con radio	Fraises-limes de forme cylindrique à bout hémisphérique	26
SD Ball Shape	Limas rotativas esféricas	Fraises-limes de forme sphérique	27
SE Oval Shape	Limas rotativas en forma ovalada	Fraises-limes de forme ovale	28
SF Tree Shape with Radius End	Limas rotativas en forma de árbol	Fraises-limes en forme d'ogive à bout hémisphérique	29
SG Tree Shape Burs with Pointed End	Limas rotativas en forma de árbol puntiagudo	Fraises-limes en forme d'ogive à bout pointu	30
SH Flame Shape	Limas rotativas en forma de llama	Fraises-limes en forme de flamme	31
SJ, SK 60° & 90° Cone Shape	Limas rotativas cónica	Fraises-limes de forme conique	32
SL Taper Shape Burs with Radius End	Limas rotativas cónicas con radio en la punta	Fraises-limes de forme conique, à bout hémisphérique	33
SM, SN Cone & Inverted Cone Shape	Limas rotativas cónicas, cónica invertida	Fraises-limes de forme conique et conique inversée	34
Mold, Tool & Die Making	Limas rotativas para moldes, herramientas y matrices	Fraises-limes pour moulistes, outils et matrices	35-36
Bur Sets	Juego de limas rotativas	Coffrete	37

Fiberglass Routers	Fresas De Contornear	Fraises Pour Detourage	Page
Fiberglass Routers - Metric	Fresas para fibra de vidrio - Métrico	Fraises pour fibre de verre - Métrique	38

Technical Recommendations	Recomendaciones Técnicas	Préconisations	Page
			39
Omega Deep Double Cut Burs			40

# Burs - Cylinder Shape - Fractional

# SA

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## Cylinder Shape Burs

### Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut

- Complete Bur Regrind Service Available

**ES**

## Limas rotativas forma cilíndrica

### Carburo sólido

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafileado de limas rotativas

**FR**

## Fraises - Limes forme cylindrique

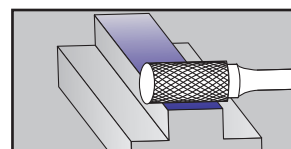
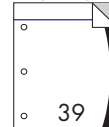
### Carbure monobloc

\* Queue de 3/8" en option.

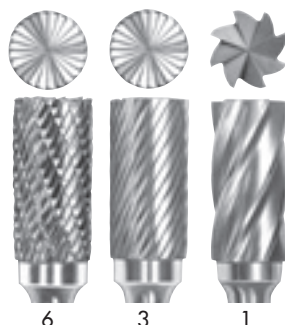
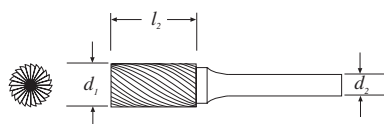
Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SA-41	1/16	1/4	1/8	10603	10600	
SA-41L2	1/16	1/4	1/8	17103	17100	
SA-41L3	1/16	1/4	1/8	17128	17125	
SA-61	1/16	1/4	3/32	10753	10750	
SA-63	3/32	3/8	3/32	10778	10775	
SA-42	3/32	7/16	1/8	10628	10625	
SA-42L2	3/32	7/16	1/8	17153	17150	
SA-42L3	3/32	7/16	1/8	17178	17175	
SA-11	1/8	1/2	1/4	10403	10400	
SA-43	1/8	9/16	1/8	10653	10650	
SA-43L2	1/8	9/16	1/8	17203	17200	
SA-43L3	1/8	9/16	1/8	17228	17225	
SA-12	1/8	5/8	1/4	10428	10425	
SA-52	5/32	1/2	1/8	10703	10700	
SA-13	5/32	5/8	1/4	10453	10450	
SA-81	3/16	5/8	3/16	10803	10800	
SA-53	3/16	1/2	1/8	10728	10725	
SA-14	3/16	5/8	1/4	10478	10475	
SA-51	1/4	1/2	1/8	10678	10675	
SA-1	1/4	5/8	1/4	10003	10000	
SA-1L	1/4	1	1/4	10028	10025	
SA-1L6	1/4	1/2	1/4	16178	16175	
SA-1NF	1/4	3/4	1/4			19000
SA-2	5/16	3/4	1/4	10053	10050	
SA-3	3/8	3/4	1/4	10078	10075	
SA-3L	3/8	1	1/4	10103	10100	
SA-3L6	3/8	3/4	1/4	16203	16200	
SA-3NF	3/8	3/4	1/4			19002
SA-3X	3/8	1-1/2	1/4	10128	10125	
SA-4	7/16	1	1/4	10153	10150	
SA-5	1/2	1	1/4	10178	10175	
SA-5L6	1/2	1	1/4	16228	16225	
SA-5NF	1/2	1	1/4			19004
* SA-6	5/8	1	1/4	10203	10200	
* SA-6NF	5/8	1	1/4			19006
* SA-15	3/4	1/2	1/4	10503	10500	
* SA-16	3/4	3/4	1/4	10553	10550	
* SA-7	3/4	1	1/4	10253	10250	
SA-7NF	3/4	1	1/4			19008
SA-7NF3/8	3/4	1	3/8			19010
* SA-8	7/8	1	1/4	10303	10300	
* SA-9	1	1	1/4	10353	10350	


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# SB Burs - Cylinder Shape - End Cut - Fractional

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Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut		Nonferrous Cut EDP No.
				EDP No.	EDP No.	
SB-41	1/16	1/4	1/8	11453	11450	
SB-41L2	1/16	1/4	1/8	17253	17250	
SB-41L3	1/16	1/4	1/8	17278	17275	
SB-42	3/32	7/16	1/8	11478	11475	
SB-42L2	3/32	7/16	1/8	17303	17300	
SB-42L3	3/32	7/16	1/8	17328	17325	
SB-ECO	1/8		1/8		11525	
SB-11	1/8	1/2	1/4	11253	11250	
SB-12	1/8	5/8	1/4	11278	11275	
SB-43	1/8	9/16	1/8	11503	11500	
SB-43L2	1/8	9/16	1/8	17353	17350	
SB-43L3	1/8	9/16	1/8	17378	17375	
SB-13	5/32	5/8	1/4	11303	11300	
SB-14	3/16	5/8	1/4	10328	10825	
SB-51	1/4	3/16	1/8	11553	11550	
SB-1	1/4	5/8	1/4	10853	10850	
SB-1L	1/4	1	1/4	10878	10875	
SB-1NF	1/4	3/4	1/4			19012
SB-2	5/16	3/4	1/4	10903	10900	
SB-3	3/8	3/4	1/4	10928	10925	
SB-3L	3/8	1	1/4	10953	10950	
SB-3NF	3/8	3/4	1/4			19014
SB-3X	3/8	1-1/2	1/4	10978	10975	
SB-4	7/16	1	1/4	11003	11000	
SB-5	1/2	1	1/4	11028	11025	
SB-5NF	1/2	1	1/4			19016
* SB-6	5/8	1	1/4	11053	11050	
* SB-6NF	5/8	1	1/4			19018
* SB-15	3/4	1/2	1/4	11353	11350	
* SB-16	3/4	3/4	1/4	11403	11400	
* SB-7	3/4	1	1/4	11103	11100	
SB-7NF	3/4	1	1/4			19020
SB-7NF3/8	3/4	1	3/8			19022
* SB-8	7/8	1	1/4	11153	11150	
* SB-9	1	1	1/4	11203	11200	

**E**

## Cylinder Shape Burs with End Cut Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional Cut.

- Complete Bur Regrind Service Available

**ES**

## Limas rotativas en forma cilíndrica con corte frontal

**Carburo sólido**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafileado de limas rotativas

**FR**

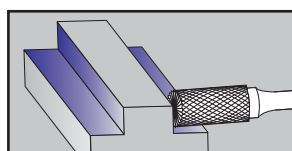
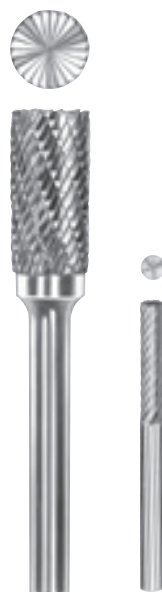
## Fraises-limes de forme cylindrique avec denture en bout

**Carbure monobloc**

\* Queue de 3/8" en option.

Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible

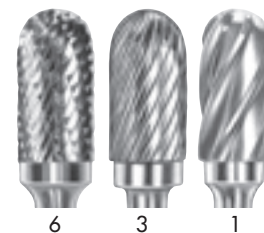
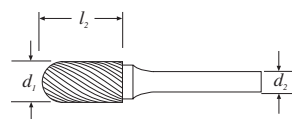


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39

# Burs - Cylinder Shape - Radius End - Fractional

# SC

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**E**

## Cylinder Shape Burs with Radius End Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut.

- Complete Bur Regrind Service Available.

**ES**

## Limas rotativas en forma cilíndrica con radio

**Carburo sólido**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reaflado de limas rotativas

**FR**

## Fraises-limes de forme cylindrique à bout hémisphérique

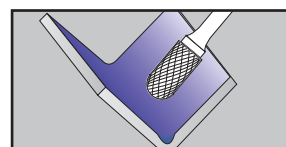
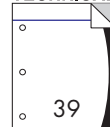
**Carbure monobloc**

\* Queue de 3/8" en option.

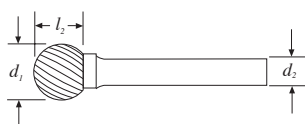
Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SC-61	3/32	3/8	3/32	12378	12375	
SC-41	3/32	7/16	1/8	12253	12250	
SC-11	1/8	1/2	1/4	12053	12050	
SC-42	1/8	9/16	1/8	12278	12275	
SC-42L2	1/8	9/16	1/8	17453	17450	
SC-42L3	1/8	9/16	1/8	17478	17475	
SC-12	1/8	5/8	1/4	12078	12075	
SC-52	5/32	1/2	1/8	12328	12325	
SC-13	5/32	5/8	1/4	12103	12100	
SC-81	3/16	5/8	3/16	12403	12400	
SC-53	3/16	1/2	1/8	12353	12350	
SC-14	3/16	5/8	1/4	12128	12125	
SC-51	1/4	1/2	1/8	12303	12300	
SC-1	1/4	5/8	1/4	11703	11700	
SC-1L	1/4	1	1/4	11728	11725	
SC-1L6	1/4	1/2	1/4	16328	16325	
SC-1NF	1/4	3/4	1/4			19024
SC-2	5/16	3/4	1/4	11753	11750	
SC-3	3/8	3/4	1/4	11778	11775	
SC-3L	3/8	1	1/4	11803	11800	
SC-3L6	3/8	3/4	1/4	16353	16350	
SC-3NF	3/8	3/4	1/4			19026
SC-3X	3/8	1-1/2	1/4	11828	11825	
SC-4	7/16	1	1/4	11853	11850	
SC-5	1/2	1	1/4	11878	11875	
SC-5L6	1/2	1	1/4	16378	16375	
SC-5NF	1/2	1	1/4			19028
* SC-6	5/8	1	1/4	11903	11900	
* SC-6NF	5/8	1	1/4			19030
* SC-15	3/4	1/2	1/4	12153	12150	
* SC-16	3/4	3/4	1/4	12203	12200	
* SC-7	3/4	1	1/4	11953	11950	
SC-7NF	3/4	1	1/4			19032
SC-7NF3/8	3/4	1	3/8			19034
* SC-9	1	1	1/4	12003	12000	


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# SD Burs - Ball Shape - Fractional

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Tool No.	Cutter Diameter $d_1$	Length of Cut $L_2$	Shank Diameter $d_2$	Cut		Nonferrous Cut EDP No.
				Double Cut EDP No.	Single Cut EDP No.	
SD-41	3/32	3/32	1/8	12778	12775	
SD-61	3/32	3/32	3/32	12878	12875	
SD-11	1/8	3/32	1/4	12728	12725	
SD-42	1/8	1/8	1/8	12803	12800	
SD-42L2	1/8	1/8	1/8	17553	17550	
SD-42L3	1/8	1/8	1/8	17578	17575	
SD-52	5/32	5/32	1/8	12840	12837	
SD-14	3/16	1/8	1/4	12753	12750	
SD-81	3/16	5/32	3/16	12903	12900	
SD-53	3/16	5/32	1/8	12853	12850	
SD-1	1/4	7/32	1/4	12453	12450	
SD-1L6	1/4	7/32	1/4	16403	16400	
SD-1NF	1/4	7/32	1/4			19036
SD-51	1/4	7/32	1/8	12828	12825	
SD-2	5/16	1/4	1/4	12478	12475	
SD-3	3/8	5/16	1/4	12503	12500	
SD-3L6	3/8	5/16	1/4	16428	16425	
SD-3NF	3/8	5/16	1/4			19038
SD-4	7/16	3/8	1/4	12528	12525	
SD-5	1/2	7/16	1/4	12553	12550	
SD-5L6	1/2	7/16	1/4	16453	16450	
SD-5NF	1/2	7/16	1/4			19040
* SD-6	5/8	9/16	1/4	12578	12575	
* SD-6NF	5/8	9/16	1/4			19042
SD-7	3/4	11/16	1/4	12628	12625	
SD-7NF	3/4	11/16	1/4			19044
* SD-7NF3/8	3/4	11/16	3/8			19046
SD-9	1	15/16	1/4	12678	12675	

**E****Ball Shape Burs****Solid Carbide**

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional Cut.

- Complete Bur Regrind Services Available

**ES****Limas rotativas esféricas****Carburo sólido**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

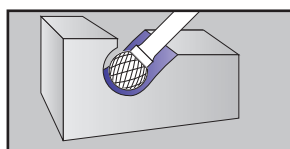
- Disponemos de un servicio completo de reaflado de limas rotativas

**FR****Fraises-limes de forme sphérique****Carbure monobloc**

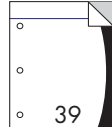
\* Queue de 3/8" en option.

Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

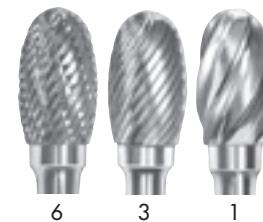
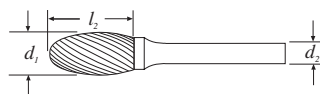
- Service de réaffûtage complet de fraises rotatives disponible



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39

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**E****Oval Shape Burs****Solid Carbide**

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional Cut

- Complete Bur Regrind Service Available

**ES****Limas rotativas en forma ovalada****Carburo sólido**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 :

Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafileado de limas rotativas

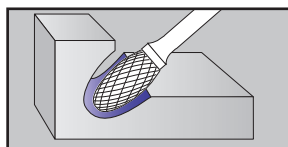
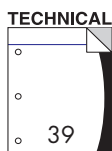
**FR****Fraises-limes de forme ovale****Carbure monobloc**

\* Queue de 3/8" en option.

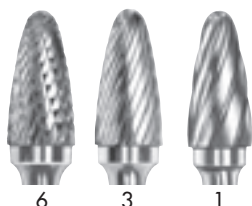
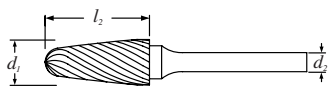
Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SE-61	3/32	1/8	3/32	13228	13225	
SE-41	1/8	7/32	1/8	13153	13150	
SE-41L2	1/8	7/32	1/8	17603	17600	
SE-41L3	1/8	7/32	1/8	17628	17625	
SE-81	3/16	9/32	3/16	13253	13250	
SE-53	3/16	9/32	1/8	13203	13200	
SE-11	3/16	5/16	1/4	13128	13125	
SE-1	1/4	3/8	1/4	12953	12950	
SE-1L6	1/4	3/8	1/4	16478	16475	
SE-51	1/4	3/8	1/8	13178	13175	
SE-3	3/8	5/8	1/4	12978	12975	
SE-3L6	3/8	5/8	1/4	16503	16500	
SE-3NF	3/8	5/8	1/4			19048
SE-5	1/2	7/8	1/4	13003	13000	
SE-5L6	1/2	7/8	1/4	16528	16525	
SE-5NF	1/2	7/8	1/4			19050
* SE-6	5/8	1	1/4	13028	13025	
* SE-6NF	5/8	1	1/4			19052
* SE-7	3/4	1	1/4	13078	13075	
SE-7NF	3/4	1	1/4			19054
SE-7NF3/8	3/4	1	3/8			19056



# SF Burs - Tree Shape - Fractional

[SHOP NOW](#)


Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Cut		Nonferrous Cut EDP No.
				Double Cut EDP No.	Single Cut EDP No.	
SF-61	3/32	1/4	3/32	13778	13775	
SF-41	1/8	1/4	1/8	13678	13675	
SF-11	1/8	1/2	1/4	13503	13500	
SF-42	1/8	1/2	1/8	13703	13700	
SF-42L2	1/8	1/2	1/8	17653	17650	
SF-42L3	1/8	1/2	1/8	17678	17675	
SF-81	3/16	1/2	3/16	13803	13800	
SF-53	3/16	1/2	1/8	13753	13750	
SF-51	1/4	1/2	1/8	13728	13725	
SF-1	1/4	3/4	1/4	13303	13300	
SF-1L6	1/4	1/2	1/4	16553	16550	
SF-1NF	1/4	3/4	1/4			19058
SF-3	3/8	3/4	1/4	13328	13325	
SF-3L6	3/8	3/4	1/4	16578	16575	
SF-3NF	3/8	3/4	1/4			19060
SF-4	7/16	1	1/4	13353	13350	
SF-13	1/2	3/4	1/4	13528	13525	
SF-5	1/2	1	1/4	13378	13375	
SF-5L6	1/2	1	1/4	16603	16600	
SF-5NF	1/2	1	1/4			19062
* SF-6	5/8	1	1/4	13403	13400	
* SF-6NF	5/8	1	1/4			19064
* SF-7	3/4	1	1/4	13453	13450	
* SF-14	3/4	1-1/4	1/4	13578	13575	
SF-14NF	3/4	1-1/4	1/4			19066
SF-14NF3/8	3/4	1-1/4	3/8			19068
* SF-15	3/4	1-1/2	1/4	13628	13625	

**E**

## Tree Shape Burs with Radius End Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional Cut

- Complete Bur Regrind Service Available

**ES**

## Limas rotativas en forma de árbol Carburo sólido

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 :

Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafilado de limas rotativas

**FR**

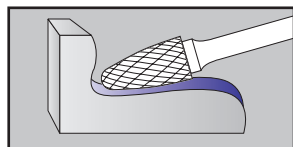
## Fraises-limes en forme d'ogive à bout hémisphérique

**Carbure monobloc**

\* Queue de 3/8" en option.

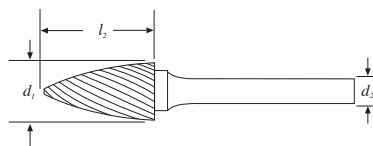
Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible



TECHNICAL

39

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**E**

### Tree Shape Burs with Pointed End Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut.

- Complete Bur Regrind Service Available

**ES**

### Limas rotativas en forma de árbol puntiagudo Carburo sólido

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 :  
Especifique la cantidad, no. de herramienta  
y tipo de corte opcional.

- Disponemos de un servicio completo de  
reafilado de limas rotativas

**FR**

### Fraises-limes en forme d'ogive à bout pointu

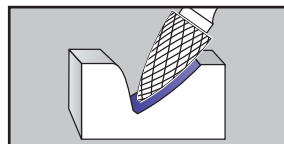
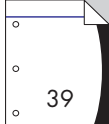
*Carbure monobloc*

\* Queue de 3/8" en option.

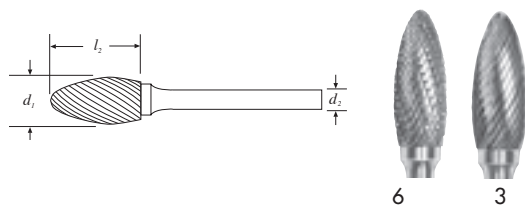
Pour commander les coupes en option 4, 3SP, 2,  
5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rota-  
tives disponible

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SG-61	3/32	1/4	3/32	14303	14300
SG-41	1/8	1/4	1/8	14153	14150
SG-42	1/8	5/16	1/8	14178	14175
SG-43	1/8	3/8	1/8	14203	14200
SG-44	1/8	1/2	1/8	14228	14225
SG-44L2	1/8	1/2	1/8	17853	17850
SG-44L3	1/8	1/2	1/8	17878	17875
SG-81	3/16	1/2	3/16	14328	14325
SG-53	3/16	1/2	1/8	14278	14275
SG-1	1/4	5/8	1/4	13853	13850
SG-1L6	1/4	1/2	1/4	16628	16625
SG-51	1/4	1/2	1/8	14253	14250
SG-2	5/16	3/4	1/4	13878	13875
SG-3	3/8	3/4	1/4	13903	13900
SG-3L6	3/8	3/4	1/4	16653	16650
SG-13	1/2	3/4	1/4	14053	14050
SG-5	1/2	1	1/4	13928	13925
SG-5L6	1/2	1	1/4	16678	16675
* SG-6	5/8	1	1/4	13953	13950
* SG-7	3/4	1	1/4	14003	14000
* SG-15	3/4	1-1/2	1/4	14103	14100


**TECHNICAL**


# SH Burs - Flame Shape - Fractional

[SHOP NOW](#)


Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	6 Double Cut EDP No.	3 Single Cut EDP No.
SH-41	1/8	1/4	1/8	14553	14550
SH-41L2	1/8	1/4	1/8	17903	17900
SH-41L3	1/8	1/4	1/8	17928	17925
SH-53	3/16	3/8	1/8	14603	14600
SH-1	1/4	5/8	1/4	14378	14375
SH-2	5/16	3/4	1/4	14403	14400
SH-2L6	5/16	3/4	1/4	16703	16700
SH-5	1/2	1-1/4	1/4	14428	14425
SH-5L6	1/2	1-1/4	1/4	16728	16725
* SH-6	5/8	1-7/16	1/4	14453	14450
* SH-7	3/4	1-5/8	1/4	14503	14500

**E**

## Flame Shape Burs

### Solid Carbide

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5

Specify Quantity, Tool No. & Optional cut

- Complete Bur Regrind service Available

**ES**

## Limas rotativas en forma de llama

### Carburo sólido

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2,

y 5 : Especifique la cantidad, no. de

herramienta y tipo de corte opcional.

- Disponemos de un servicio completo

de reafilado de limas rotativas

**FR**

## Fraises-limes en forme de flamme

### Carbure monobloc

\* Queue de 3/8" en option.

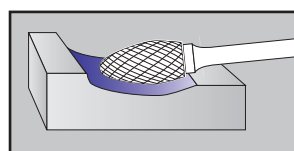
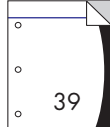
Pour commander les coupes en option

4, 3SP, 2, 5 : indiquer la quantité, le

N° d'outil et la coupe.

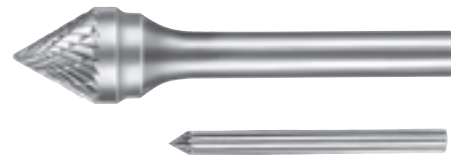
- Service de réaffûtage complet

de fraisesrotatives disponible


**TECHNICAL**


39

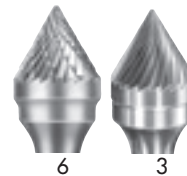
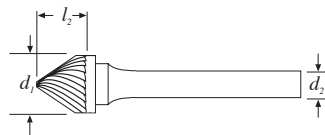
# Burs - Cone Shape - 60° & 90° - Fractional SJ, SK

[SHOP NOW](#)
**SJ**

**E**
**SJ - 60° Cone Shape Burs**
**SK - 90° Cone Shape Burs**
**Solid Carbide**

\* 3/8" shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional Cut.

- Complete Bur Regrind Service Available



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SJ-42	1/8	3/32	1/8	14903	14900
SJ-1	1/4	3/16	1/4	14678	14675
SJ-3	3/8	5/16	1/4	14703	14700
SJ-5	1/2	7/16	1/4	14728	14725
* SJ-6	5/8	9/16	1/4	14753	14750
* SJ-7	3/4	11/16	1/4	14803	14800
* SJ-9	1	15/16	1/4	14853	14850

**ES**
**Limas rotativas cónica**
**Carburo sólido**
**SJ - Forma cónica a 60°**
**SK - Forma cónica a 90°**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 :

Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafilado de limas rotativas

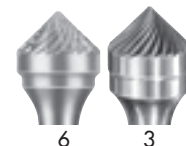
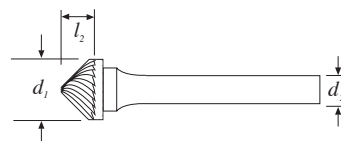
[SHOP NOW](#)
**SK**

**FR**
**Fraises-limes de forme conique, à 60°**
**et 90° Carbure monobloc**
**SJ - Forme conique, 60°**
**SK - Forme conique, 90°**

\* Queue de 3/8" en option.

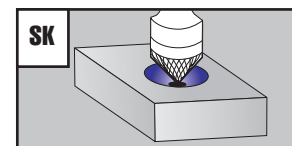
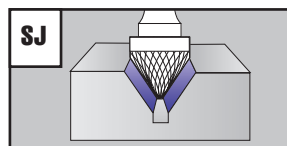
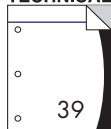
Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible

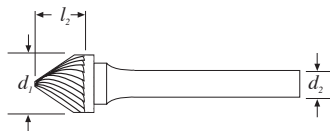


Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SK-42	1/8	1/16	1/8	15153	15150
SK-1	1/4	1/8	1/4	14928	14925
SK-3	3/8	3/16	1/4	14953	14950
SK-5	1/2	1/4	1/4	14978	14975
* SK-6	5/8	5/16	1/4	15003	15000
* SK-7	3/4	3/8	1/4	15053	15050
* SK-9	1	1/2	1/4	15103	15100

TECHNICAL



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Tool No.	Cutter Diameter d1	Length of Cut l2	Shank Diameter d2	Included Angle α	6	3	1
					Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SL-41	1/8	3/8	1/8	8°	15403	15400	
SL-42	1/8	1/2	1/8	8°	15428	15425	
SL-42L2	1/8	1/2	1/8	8°	17953	17950	
SL-42L3	1/8	1/2	1/8	8°	17978	17975	
SL-81	3/16	7/16	3/16	14°	15478	15475	
SL-53	3/16	1/2	1/8	14°	15453	15450	
SL-1	1/4	5/8	1/4	14°	15178	15175	
SL-1L6	1/4	5/8	1/4	14°	16753	16750	
SL-2	5/16	7/8	1/4	14°	15203	15200	
SL-3	3/8	1-1/16	1/4	14°	15228	15225	
SL-3L6	3/8	1-1/16	1/4	14°	16778	16775	
SL-3NF	3/8	1-1/16	1/4	14°			19070
SL-4	1/2	1-1/8	1/4	14°	15253	15250	
SL-4L6	1/2	1-1/8	1/4	14°	16803	16800	
SL-4NF	1/2	1-1/8	1/4	14°			19072
*SL-5	5/8	1-3/16	1/4	14°	15278	15275	
*SL-5NF	5/8	1-3/16	1/4	14°			19074
*SL-6	5/8	1-5/16	1/4	14°	15303	15300	
*SL-6NF	5/8	1-5/16	1/4	14°			19076
*SL-7	3/4	1-1/2	1/4	14°	15353	15350	
SL-7NF	3/4	1-1/2	1/4	14°			19078
SL-7NF3/8	3/4	1-1/2	3/8	14°			19080



E

**Taper with Radius End Burs****Solid Carbide**

\* 3/8" shanks optional.

To Order Optional Cuts 4, 3SP, 2, 5

Specify Quantity, Tool No.

&amp; Optional Cut

- Complete Bur Regrind Service Available

ES

**Limas rotativas cónicas con radio en la punta****Carburo sólido**

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafileado de limas rotativas

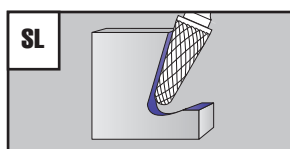
FR

**Fraises-limes de forme conique, à bout hémisphérique****Carbure monobloc**

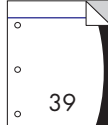
\* Queue de 3/8" en option.

Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

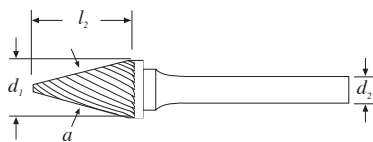
- Service de réaffûtage complet de fraises rotatives disponible



TECHNICAL



# Burs - Cone & Inverted Cone Shape - Fractional **SM, SN**

[SHOP NOW](#)
**SM****E**

## Cone (SM) and Inverted Cone (SN) Shape Burs

### Solid Carbide

\* 3/8" shanks optional.

To Order Optional Cuts 4, 3SP, 2, 5 - Specify Quantity, Tool No. & Optional Cut.

- Complete Bur Regrind Service Available

**ES**

## Limas rotativas (SM) cónicas (SN) cónica invertida

### Carburo sólido

\* Zanco de 3/8" opcional.

Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

- Disponemos de un servicio completo de reafileado de limas rotativas

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Included Angle $a$	Double Cut EDP No.	Single Cut EDP No.
SM-61	3/32	1/4	3/32	10°	15803	15800
SM-41	1/8	11/32	1/8	12°	15678	15675
SM-42	1/8	7/16	1/8	14°	15703	15700
SM-42L2	1/8	7/16	1/8	14°	18053	18050
SM-42L3	1/8	7/16	1/8	14°	18078	18075
SM-43	1/8	5/8	1/8	7°	15728	15725
SM-53	3/16	1/2	1/8	16°	15778	15775
SM-1	1/4	1/2	1/4	22°	15503	15500
SM-51	1/4	1/2	1/8	22°	15753	15750
SM-2	1/4	3/4	1/4	14°	15528	15525
SM-3	1/4	1	1/4	10°	15553	15550
SM-4	3/8	5/8	1/4	28°	15578	15575
SM-5	1/2	7/8	1/4	28°	15603	15600
* SM-6	5/8	1	1/4	31°	15628	15625

**SN**
[SHOP NOW](#)
**FR**

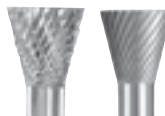
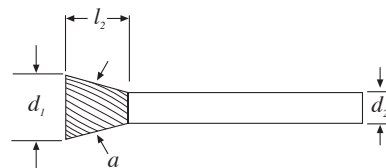
## Fraises-limes (SM) de forme conique et conique inversée (SN)

### Carbure monobloc

\* Queue de 3/8" en option.

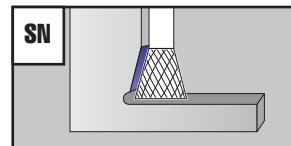
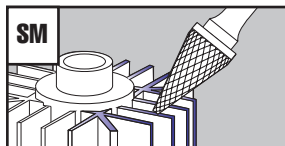
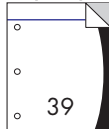
Pour commander les coupes en option 4, 3SP, 2, 5: indiquer la quantité, le N° d'outil et la coupe.

- Service de réaffûtage complet de fraises rotatives disponible



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Included Angle $a$	Double Cut EDP No.	Single Cut EDP No.
SN-41	3/32	1/8	1/8	10°	16028	16025
SN-61	3/32	1/8	3/32	10°	16128	16125
SN-42	1/8	3/16	1/8	10°	16053	16050
SN-81	3/16	1/4	3/16	10°	16153	16150
SN-53	3/16	1/4	1/8	10°	16103	16100
SN-51	1/4	1/4	1/8	10°	16078	16075
SN-1	1/4	5/16	1/4	10°	15853	15850
SN-2	3/8	3/8	1/4	13°	15878	15875
SN-4	1/2	1/2	1/4	28°	15903	15900
* SN-6	5/8	3/4	1/4	18°	15928	15925
* SN-7	3/4	5/8	1/4	30°	15978	15975

TECHNICAL



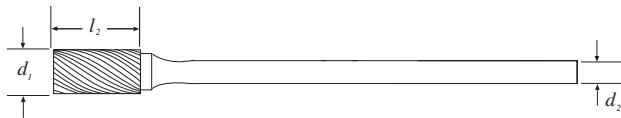
# Burs - Long Shank - Fractional

Limas rotativas con zanco largo • Fraises-limes à queue longue

Burs listed are provided with 6" long steel shanks



SHOP NOW



**Cylinder Shape**  
**Forma cilíndrica**  
**Forme cylindrique**



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SA-1L6	1/4	1/2	1/4	16178	16175
SA-3L6	3/8	3/4	1/4	16203	16200
SA-5L6	1/2	1	1/4	16228	16225

**E**

**Long Shank Burs**  
**Solid Carbide**

Special shank lengths are available up to 18" long

-Our stocking program on Long Shank Carbide Burs provides quick delivery for solving tough, hard-to-reach deburring areas.

- Complete Bur Regrind Service Available

**ES**

**Limas rotativas con zanco largo**  
**Carburo sólido**

Tamaño máximo disponible: 18"

- Nuestro programa de disponibilidad de limas rotativas en carburo sólido de zanco largo proporciona una entrega rápida para solucionar trabajos complicados en zonas difíciles de alcanzar.

- Disponemos de un servicio completo de reafilado de limas rotativas

**Cylinder Shape Radius End**  
**Forma cilíndrica Con radio**  
**Forme cylindrique À bout hémisphérique**



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SC-1L6	1/4	1/2	1/4	16328	16325
SC-3L6	3/8	3/4	1/4	16353	16350
SC-5L6	1/2	1	1/4	16378	16375

**FR**

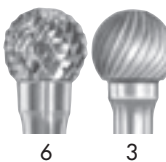
**Fraises-limes à queue longue**  
**Carbure monobloc**

Disponibles jusqu'à 18" de long

- Notre programme d'ébauche pour les fraises rotatives en carbure à queue longue permet une livraison rapide permettant de résoudre les problèmes concernant les zones d'ébavurage tenaces et difficiles à atteindre.

- Service de réaffûtage complet de fraises rotatives disponible

**Ball Shape**  
**Forma esférica**  
**Forme sphérique**



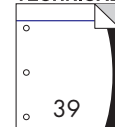
Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SD-1L6	1/4	7/32	1/4	16403	16400
SD-3L6	3/8	5/16	1/4	16428	16425
SD-5L6	1/2	7/16	1/4	16453	16450

**Oval Shape**  
**Forma ovalada**  
**Forme ovale**



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SE-1L6	1/4	3/8	1/4	16478	16475
SE-3L6	3/8	5/8	1/4	16503	16500
SE-5L6	1/2	7/8	1/4	16528	16525

TECHNICAL



# SGS®

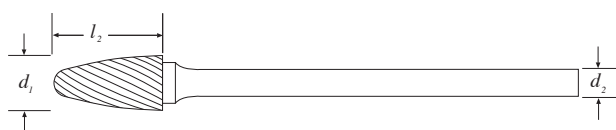
Solid Carbide Tools

## Burs - Long Shank - Fractional

Burs listed are provided with 6" long steel shanks

Limas rotativas con zanco largo • Fraises-limes à queue longue

SHOP NOW



**Tree Shape Radius End**  
**Forma de árbol Con radio**  
**Forme d'ogive Bout hémisphérique**



**E**

### Long Shank Burs Solid Carbide

Special shank lengths are available up to 18" long  
 - Our stocking program on Long Shank Carbide Burs provides quick delivery for solving tough, hard-to-reach deburring areas.  
 - Complete Bur Regrind Service Available

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SF-1L6	1/4	1/2	1/4	16553	16550
SF-3L6	3/8	3/4	1/4	16578	16575
SF-5L6	1/2	1	1/4	16603	16600

**ES**

### Limas rotativas de zanco largo Carburo sólido

Tamaño máximo disponible: 18"  
 - Nuestro programa de disponibilidad de limas rotativas en carburo sólido de zanco largo proporciona una entrega rápida para solucionar trabajos complicados en zonas difíciles de alcanzar.  
 - Disponemos de un servicio completo de reafilado de limas rotativas

**Tree Shape Pointed End**  
**Forma de árbol**  
**Forme d'ogive À bout pointu**



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SG-1L6	1/4	1/2	1/4	16628	16625
SG-3L6	3/8	3/4	1/4	16653	16650
SG-5L6	1/2	1	1/4	16678	16675

**FR**

### Fraises-limes à queue longue Carbure monobloc

Disponibles jusqu'à 18" de long  
 - Notre programme d'ébauche pour les fraises rotatives en carbure à queue longue permet une livraison rapide permettant de résoudre les problèmes concernant les zones d'ébavurage tenaces et difficiles à atteindre.  
 - Service de réaffûtage complet de fraises rotatives disponible

**Flame Shape**  
**Forma de llama**  
**Forme en flamme**



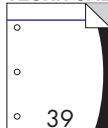
Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SH-2L6	5/16	3/4	1/4	16703	16700
SH-5L6	1/2	1-1/4	1/4	16728	16725

**14° Taper Radius End**  
**Forma cónica a 14° Con radio**  
**Conique, 14° Bout hémisphérique**



Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Double Cut EDP No.	Single Cut EDP No.
SL-1L6	1/4	5/8	1/4	16753	16750
SL-3L6	3/8	1-1/16	1/4	16778	16775
SL-4L6	1/2	1-1/8	1/4	16803	16800

TECHNICAL



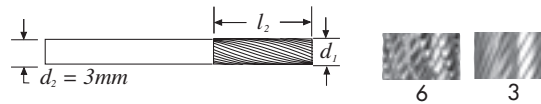
# Burs - Mold, Tool & Die Making - Fractional

Limas rotativas para moldes, herramientas y matrices • Fraises-limes pour moulistes, outils et matrices

# SGS®

Solid Carbide Tools

$d_2 = 1/8"$  shank diameter  
 $d_2 = 1/8"$  diámetro de zanco  
 $d_2 = 1/8"$  diamètre de queue



	Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Overall Length $l_1$	Included Angle $\alpha$	Double Cut EDP No.	Single Cut EDP No.
	SA-41	1/16	1/4	1-1/2		10603	10600
	SA-41L2	1/16	1/4	2		17103	17100
	SA-41L3	1/16	1/4	3		17128	17125
	SA-42	3/32	7/16	1-1/2		10628	10625
	SA-42L2	3/32	7/16	2		17153	17150
	SA-42L3	3/32	7/16	3		17178	17175
	SA-43	1/8	9/16	1-1/2		10653	10650
	SA-43L2	1/8	9/16	2		17203	17200
	SA-43L3	1/8	9/16	3		17228	17225
	SB-41	1/16	1/4	1-1/2		11453	11450
	SB-41L2	1/16	1/4	2		17253	17250
	SB-41L3	1/16	1/4	3		17278	17275
	SB-42	3/32	7/16	1-1/2		11478	11475
	SB-42L2	3/32	7/16	2		17303	17300
	SB-42L3	3/32	7/16	3		17328	17325
	SB-ECO	1/8		1-1/2			11525
	SB-43	1/8	9/16	1-1/2		11503	11500
	SB-43L2	1/8	9/16	2		17353	17350
SB-43L3	1/8	9/16	3		17378	17375	
	SC-41	3/32	7/16	1-1/2		12253	12250
	SC-42	1/8	9/16	1-1/2		12278	12275
	SC-42L2	1/8	9/16	2		17453	17450
	SC-42L3	1/8	9/16	3		17478	17475
	SD-41	3/32	3/32	1-1/2		12778	12775
	SD-42	1/8	1/8	1-1/2		12803	12800
	SD-42L2	1/8	1/8	2		17553	17550
	SD-42L3	1/8	1/8	3		17578	17575
	SE-41	1/8	7/32	1-1/2		13153	13150
	SE-41L2	1/8	7/32	2		17603	17600
	SE-41L3	1/8	7/32	3		17628	17625
	SF-41	1/8	1/4	1-1/2		13678	13675
	SF-42	1/8	1/2	1-1/2		13703	13700
	SF-42L2	1/8	1/2	2		17653	17650
	SF-42L3	1/8	1/2	3		17678	17675
	SG-41	1/8	1/4	1-1/2		14153	14150
	SG-43	1/8	3/8	1-1/2		14203	14200
	SG-44	1/8	1/2	1-1/2		14228	14225
	SG-44L2	1/8	1/2	2		17853	17850
	SG-44L3	1/8	1/2	3		17878	17875
	SH-41	1/8	1/4	1-1/2		14553	14550
	SH-41L2	1/8	1/4	2		17903	17900
	SH-41L3	1/8	1/4	3		17928	17925
	SJ-42	1/8	3/32	1-1/2	60°	14903	14900
	SK-42	1/8	1/16	1-1/2	90°	15153	15150
	SL-41	1/8	3/8	1-1/2	8°	15403	15400
	SL-42	1/8	1/2	1-1/2	8°	15428	15425
	SL-42L2	1/8	1/2	2	8°	17953	17950
	SL-42L3	1/8	1/2	3	8°	17978	17975
	SM-41	1/8	11/32	1-1/2	12°	15678	15675
	SM-42	1/8	7/16	1-1/2	14°	15703	15700
	SM-42L2	1/8	7/16	2	14°	18053	18050
	SM-42L3	1/8	7/16	3	14°	18078	18075
	SM-43	1/8	5/8	1-1/2	7°	15728	15725
	SN-41	3/32	1/8	1-1/2	10°	16028	16025
	SN-42	1/8	3/16	1-1/2	10°	16053	16050

**E**

## Mold, Tool & Die Making Burs

**Solid Carbide**

- Complete Bur Regrind service Available

**ES**

## Limas rotativas para moldes, herramientas y matrices

**Carburo sólido**

- Disponemos de un servicio completo de reafilado de limas rotativas

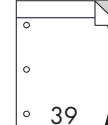
**FR**

## Fraises-limes pour moulistes, outils et matrices

**Carbure monobloc**

- Service de réaffûtage complet de fraises rotatives disponible

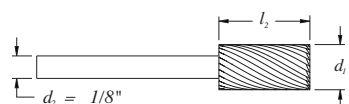
TECHNICAL



# Burs - Mold, Tool & Die Making - Fractional

Limas rotativas para moldes, herramientas y matrices • Fraises-limes pour moulistes, outils et matrice

## 1/4" Head - 1/8" Shank



**E**

### Mold, Tool & Die Making Burs

1/4" Head - 1/8" Shank - Brazed Construction 5/32" - 3/16" Head, 1/8" Shank - Solid Carbide

Complete Bur Regrind Service Available

**ES**

### Limas rotativas para moldes, herramientas y matrices

Cabeza de 1/4" - Zanco de 1/8" con construcción de soldadura de bronce  
Cabeza de 5/32" - 3/16" -

Zanco de 1/8" - Carburo sólido

Disponemos de un servicio completo de reafilado de limas rotativas

**FR**

### Fraises-limes pour mouliste, outils et matrices

Tête de 1/4" - Queue de 1/8" - Brasées  
Tête de 5/32" - 3/16" - Queue de 1/8" - Carbure monobloc

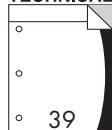
Service de réaffûtage complet de fraises rotatives disponible

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Included Angle $\alpha$	Cut	
					Double Cut EDP No.	Single Cut EDP No.
SA-51	1/4	1/2	1/8		10678	10675
SB-51	1/4	3/16	1/8		11553	11550
SC-51	1/4	1/2	1/8		12303	12300
SD-51	1/4	7/32	1/8		12828	12825
SE-51	1/4	3/8	1/8		13178	13175
SF-51	1/4	1/2	1/8		13728	13725
SG-51	1/4	1/2	1/8		14253	14250
SM-51	1/4	1/2	1/8	22°	15753	15750
SN-51	1/4	1/4	1/8	10°	16078	16075

## 5/32", 3/16" Heads - 1/8" Shank

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Included Angle $\alpha$	Cut	
					Double Cut EDP No.	Single Cut EDP No.
SA-52	5/32	1/2	1/8		10703	10700
SA-53	3/16	1/2	1/8		10728	10725
SC-52	5/32	1/2	1/8		12328	12325
SC-53	3/16	1/2	1/8		12353	12350
SD-52	5/32	5/32	1/8		12840	12837
SD-53	3/16	5/32	1/8		12853	12850
SE-53	3/16	9/32	1/8		13203	13200
SF-53	3/16	1/2	1/8		13753	13750
SG-53	3/16	1/2	1/8		14278	14275
SH-53	3/16	3/8	1/8		14603	14600
SL-53	3/16	1/2	1/8	14°	15453	15450
SM-53	3/16	1/2	1/8	16°	15778	15775
SN-53	3/16	1/4	1/8	10°	16103	16100

TECHNICAL

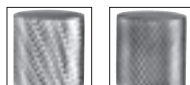


# Bur Sets - Solid Carbide - Fractional

Juegos de limas rotativas - Carburo sólido • Jeux de fraises-limes - Carbure monobloc

**SHOP NOW**

## SET #1

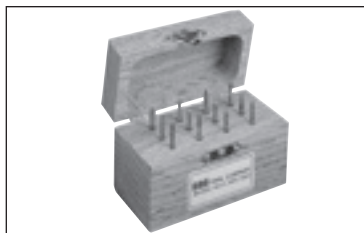


6

3

Double  
Cut  
EDP No.  
18201

Single  
Cut  
EDP No.  
18200



## SET #2

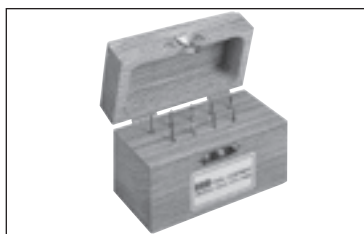


6

3

Double  
Cut  
EDP No.  
18203

Single  
Cut  
EDP No.  
18202



## SET #4



6

3

Double  
Cut  
EDP No.  
18207

Single  
Cut  
EDP No.  
18206



### E

#### Solid Carbide Miniature Bur Set #1

1/8" Shank Diameter - 1-1/2" Overall Length.

Contains the following twelve 1/8" Burs in a sturdy oak box:  
SA-42, SA-43, SC-41, SC-42, SD-42, SE-41, SF-42, SG-43, SH-41,  
SL-42, SM-42, SN-42

#### Solid Carbide Miniature Bur Set #2

3/32" Shank Diameter - 1-1/4" Overall Length.

Contains the following nine 3/32" Burs in a sturdy oak box:  
SA-61, SA-63, SC-61, SD-61, SE-61, SF-61, SG-61, SM-61, SN-61

#### Solid Carbide Miniature Bur Set #4

3/16" Shank Diameter - 2" Overall Length.

Contains the following eight 3/16" Burs in a sturdy oak box:  
SA-81, SC-81, SD-81, SE-81, SF-81, SG-81, SL-81, SN-81

### ES

#### Juego de caja #1 de limas rotativas miniatura en carburo sólido

Zanco de diámetro 1/8" - Longitud total 1-1/2"

Contiene las siguientes nueve rotativas de 1/8" en una caja de madera de roble: SA-42, SA-43, SC-41, SC-42, SD-42, SE-41, SF-42, SG-43, SH-41, SL-42, SM-42, SN-42

#### Juego de caja #2 de limas rotativas miniatura en carburo sólido

Zanco de diámetro 3/32" - Longitud total 1-1/4"

Contiene las siguientes nueve rotativas de 3/32" en una caja de madera de roble: SA-61, SA-63, SC-61, SD-61, SE-61, SF-61, SG-61, SM-61, SN-61

#### Juego de caja #4 de limas rotativas miniatura en carburo sólido

Zanco de diámetro 3/16" - Longitud total 2"

Contiene las siguientes ocho rotativas de 3/16" en una caja de madera de roble: SA-81, SC-81, SD-81, SE-81, SF-81, SG-81, SL-81, SN-81

### FR

#### Jeu de Mini-Fraises rotatives en carbure monobloc N°1

Diamètre de la queue 1/8" - Longueur totale 1-1/2"

Contient les douze fraises rotatives 1/8" suivantes dans un coffret en chêne robuste: SA-42, SA-43, SC-41, SC-42, SD-42, SE-41, SF-42, SG-43, SH-41, SL-42, SM-42, SN-42

#### Jeu de Mini-Fraises rotatives en carbure monobloc N°2

Diamètre de la queue 3/32" - Longueur totale 1-1/4"

Contient les neuf fraises rotatives 3/32" suivantes dans un coffret en chêne robuste: SA-61, SA-63, SC-61, SD-61, SE-61, SF-61, SG-61, SM-61, SN-61

#### Jeu de Mini-Fraises rotatives en carbure monobloc N°4

Diamètre de la queue 3/16" - Longueur totale 2"

Contient les huit fraises rotatives 3/16" suivantes dans un coffret en chêne robuste: SA-81, SC-81, SD-81, SE-81, SF-81, SG-81, SL-81, SN-81

# Bur Sets - Solid Carbide - Fractional

Juegos de limas rotativas - Carburo sólido • Jeux de fraises-limes - Carbure monobloc

**SHOP NOW**

**E**

## Miniature Bur Set #5

1/8" Steel Shank Diameter.

Contains the following nine Burs in a sturdy oak box:

SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51

## Solid Carbide Miniature Bur Set #6

1/4" steel shank diameter

Contains the following eight burs in a sturdy oak box:

SA-5, SC-3, SC-5, SD-5, SF-3, SF-5, SG-3, SL-4

**#5**



6

Double  
Cut  
EDP No.  
18209

3

Single  
Cut  
EDP No.  
18208



**ES**

## Juego de caja #5 de limas rotativas miniatura

Zanco de acero de diámetro 1/8"

Contiene las siguientes nueve rotativas en una caja de madera de roble:

SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51

## Juego de caja #6 de limas rotativas en carburo sólido

Zanco de acero de diámetro 1/4"

Contiene las siguientes ocho rotativas en una caja de madera de roble:

SA-5, SC-3, SC-5, SD-5, SF-3, SF-5, SG-3, SL-4

**#6**



6

Double  
Cut  
EDP No.  
18211

3

Single  
Cut  
EDP No.  
18210



**FR**

## Jeu de Mini-Fraises rotatives N°5

Queue en acier, diamètre 1/8" - Longueur totale 2"

Contient les neuf fraises rotatives 1/8" suivantes dans un coffret en chêne robuste:

SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51, SN-51

## Jeu de Fraises rotatives N°6

Queue en acier, diamètre 1/4"

Contient les huit fraises rotatives dans un coffret en chêne robuste:

SA-5, SC-3, SC-5, SD-5M, SF-3M, SF-5, SG-3, SL-4

# Bur Sets - Solid Carbide - Fractional

Juegos de limas rotativas - Carburo sólido • Jeux de fraises-limes - Carbure monobloc

**SHOP NOW**

**#7**



6  
Double  
Cut  
EDP No.  
18213

3  
Single  
Cut  
EDP No.  
18212



**E**

## Solid Carbide Miniature Bur Set #7

1/8" diameter solid carbide shank, 1-1/2" overall length  
Contains the following twelve burs in a sturdy oak box:  
SA-52, SA-53, SC-52, SC-53, SD-53, SE-53, SF-53, SG-53, SH-53,  
SL-53, SM-53, SN-53

## Extra Long Bur Set #8

1/4" diameter - 6" long steel shank  
Contains the following eight burs in a clear/blue acrylic case:  
SA-1L6, SA-5L6, SC-1L6, SC-5L6, SD-1L6, SF-1L6, SG-1L6, SL-1L6

**ES**

## Juego de caja #7 de limas rotativas miniatura en carburo sólido

Zanco de carburo sólido de diámetro 1/8" – Longitud total 1-1/2"  
Contiene las siguientes doce rotativas en una caja de madera de roble:  
SA-52, SA-53, SC-52, SC-53, SD-53, SE-53, SF-53, SG-53, SH-53, SL-53,  
SM-53, SN-53

**#8**



6  
Double  
Cut  
EDP No.  
18215

3  
Single  
Cut  
EDP No.  
18214



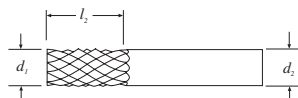
**FR**

## Jeu de Mini-Fraises rotatives en carbure monobloc N°7

Queue en carbure monobloc, diamètre 1/8", Longueur totale 1-1/2"  
Contient les douze fraises rotatives dans un coffret en chêne robuste.  
SA-52, SA-53, SC-52, SC-53, SD-53, SE-53, SF-53, SG-53, SH-53, SL-53,  
SM-53, SN-53

## Jeu de Fraises rotatives extra-longues N°8

Queue diamètre 1/4" - queue longue en acier 6"  
Contient les huit fraises rotatives dans un étui en acrylique bleu clair:  
SA-1L6, SA-5L6, SC-1L6, SC-5L6, SD-1L6, SF-1L6, SG-1L6, SL-1L6

**E****Fiberglass Routers****Solid Carbide**For Fiberglass And  
Non-Metallic Materials

STYLE A: No End Cut

STYLE B: Bur End

STYLE C: End Mill End

STYLE D: Drill End

Tool No.	Cutter Diameter $d_1$	Flute Length $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Uncoated EDP No.	Uncoated EDP No.	Uncoated EDP No.	Uncoated EDP No.
FGR-1	1/16	3/16	1/8	1-1/2	73001	73015	73030	73045
FGR 1-1	3/32	3/8	1/8	1-1/2	73002	73016	73031	73046
FGR-2	1/8	1/2	1/8	1-1/2	73003	73017	73032	73047
FGR-3	3/16	5/8	3/16	2	73004	73018	73033	73048
FGR-4	3/16	5/8	1/4	2	73005	73019	73034	73049
FGR-5	1/4	3/4	1/4	2	73006	73020	73035	73050
FGR-6	1/4	3/4	1/4	2-1/2	73007	73021	73036	73051
FGR 6-1	1/4	1	1/4	3	73008	73022	73037	73052
FGR-7	5/16	1	5/16	2-1/2	73009	73023	73038	73053
FGR-8	3/8	1	3/8	2-1/2	73010	73024	73039	73054
FGR-9	1/2	1	1/2	3	73011	73025	73040	73055

**ES****Fresa para fibra de vidrio****Carburo sólido**Para fibra de vidrio y otros materiales  
no metálicos.

ESTILO A: Sin corte frontal

ESTILO B: Con punta de lima rotativa

ESTILO C: Con punta de fresa

ESTILO D: Con punta de broca

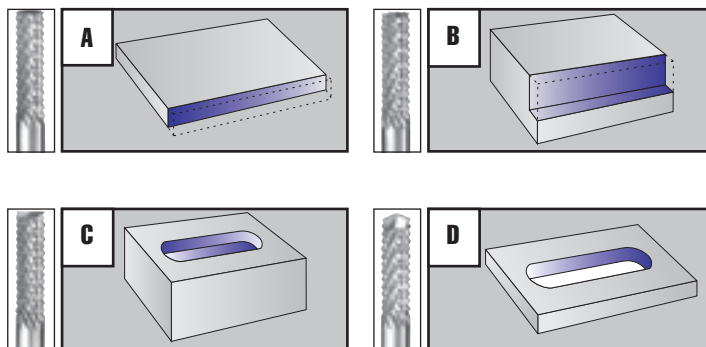
**FR****Fraises pour fibre de verre****Carbure monobloc**Pour fibres de verre et matières  
non-métalliques.

Type A: sans taille en bout

Type B: taille en bout comme fraise-lime

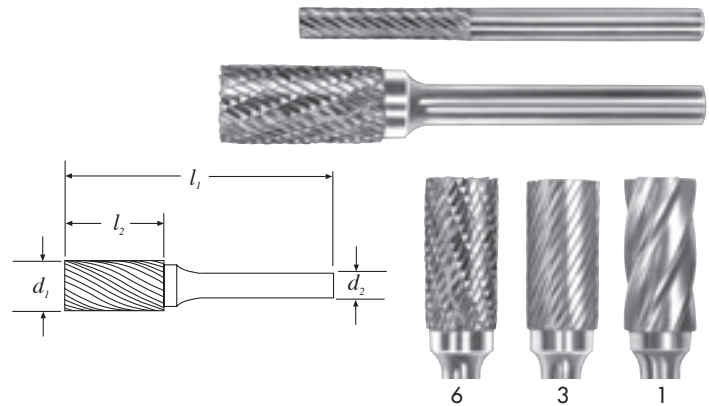
Type C: taille en bout comme fraise

Type D: taille en bout comme foret





# Metric Tool Section

**E****Cylinder Shape Burs****Solid Carbide**

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5

— Specify Quantity, Tool No.

&amp; Optional cut

**ES****Limas rotativas forma cilíndrica Metal duro**

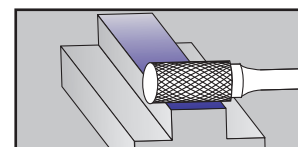
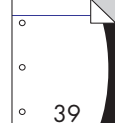
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR****Fraises - Limes forme cylindrique Carbure monobloc**

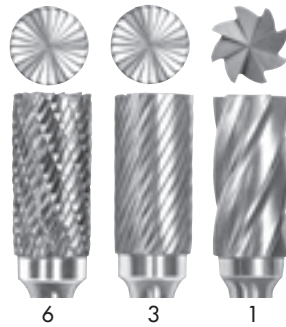
\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	EDP No.	EDP No.	EDP No.
SA-41M	1,5	3	38	6	20603	20600	
SA-41ML2	1,5	3	50	6	27103	27100	
SA-41ML3	1,5	3	75	6	27128	27125	
SA-42M	2,5	3	38	11	20628	20625	
SA-42ML2	2,5	3	50	11	27153	27150	
SA-42ML3	2,5	3	75	11	27178	27175	
SA-43M	3	3	38	14	20653	20650	
SA-43ML2	3	3	50	14	27203	27200	
SA-43ML3	3	3	75	14	27228	27225	
SA-11M	3	6	56	12	20403	20400	
SA-12M	3	6	60	12,7	20428	20425	
SA-52M	4	3	38	12,7	20703	20700	
SA-13M	4	6	50	16	20453	20450	
SA-53M	5	3	38	12,7	20728	20725	
SA-14M	5	6	50	16	20478	20475	
SA-1M	6	6	50	16	20003	20000	
SA-1MNF	6	6	50	19			29000
SA-1ML	6	6	50	25	20028	20025	
SA-1ML6	6	6	162	12,7	26178	26175	
SA-51M	6,3	3	50	12,7	20678	20675	
SA-2M	8	6	63	19	20053	20050	
SA-3M	9,5	6	63	19	20078	20075	
SA-3MNF	9,5	6	63	19			29002
SA-3ML	9,5	6	69	25	20103	20100	
SA-3ML6	9,5	6	169	19	26203	26200	
SA-3MZ	10	6	60	20	29101	29100	
SA-4M	11	6	69	25	20153	20150	
SA-5MZ	12	6	65	25	29105	29104	
SA-5M	12,7	6	69	25	20178	20175	
SA-5MNF	12,7	6	69	25			29004
SA-5ML6	12,7	6	175	25	26228	26225	
* SA-6M	16	6	69	25	20203	20200	
* SA-6MNF	16	6	69	25			29006
* SA-7M	19	6	69	25	20253	20250	
* SA-7MNF	19	6	69	25			29008
SA-7MNF	19	8	69	25			29010
* SA-9M	25	6	69	25	20353	20350	

TECHNICAL



# SB Cylinder Shape - End Cut - Metric



Tool No.	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$l_1$ mm	$l_2$ mm	EDP No.	EDP No.	EDP No.
SB-41M	1,5	3	38	6	21453	21450	
SB-41ML2	1,5	3	50	6	27253	27250	
SB-41ML3	1,5	3	75	6	27278	27275	
SB-42M	2,5	3	38	11	21478	21475	
SB-42ML2	2,5	3	50	11	27303	27300	
SB-42ML3	2,5	3	75	11	27328	27325	
SB-ECOM	3	3	38			21525	
SB-43M	3	3	38	14	21503	21500	
SB-43ML2	3	3	50	14	27353	27350	
SB-43ML3	3	3	75	14	27378	27375	
SB-11M	3	6	56	12	21253	21250	
SB-12M	3	6	60	12,7	21278	21275	
SB-13M	4	6	50	16	21303	21300	
SB-14M	5	6	50	16	21328	21325	
SB-1M	6	6	50	16	20853	20850	
SB-1MNF	6	6	50	19			29012
SB-1ML	6	6	50	25	20873	20875	
SB-51M	6,3	3	43	4,7	21553	21550	
SB-2M	8	6	63	19	20903	20900	
SB-3M	9,5	6	63	19	20928	20925	
SB-3MNF	9,5	6	63	19			29014
SB-3ML	9,5	6	69	25	20953	20950	
SB-3MZ	10	6	60	20	29109	29108	
SB-4M	11	6	69	25	21003	21000	
SB-5MZ	12	6	65	25	29113	29112	
SB-5M	12,7	6	69	25	21028	21025	
SB-5MNF	12,7	6	69	25			29016
* SB-6M	16	6	69	25	21053	21050	
* SB-6MNF	16	6	69	25			29018
* SB-7M	19	6	69	25	21103	21100	
* SB-7MNF	19	6	69	25			29020
SB-7MNF	19	8	69	25			29022
* SB-9M	25	6	69	25	21203	21200	

## E

### Cylinder Shape Burs with End Cut Solid Carbide

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional cut

## ES

### Limas rotativas en forma cilíndrica con corte frontal

**Metal duro**

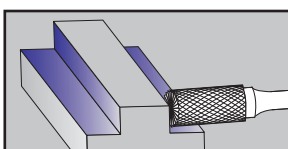
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

## FR

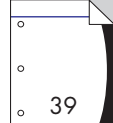
### Fraises-limes de forme cylindrique avec denture en bout

**Carbure monobloc**

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

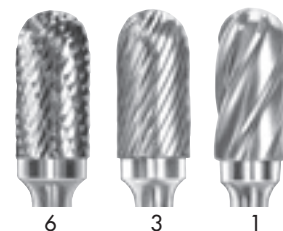
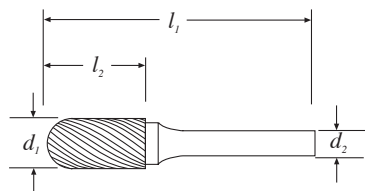


TECHNICAL



# Burs - Cylinder Shape - Radius End - Metric

# SC


**E**

## Cylinder Shape Burs with Radius End Solid Carbide

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 –  
Specify Quantity, Tool No. & Optional cut

**ES**

## Limas rotativas en forma cilíndrica con radio

**Metal duro**

\* Mango de 8 mm opcional. Para  
ordenar cortes opcionales 4, 3SP y 2, 5 :  
Especifique la cantidad, no. de  
herramienta y tipo de corte opcional.

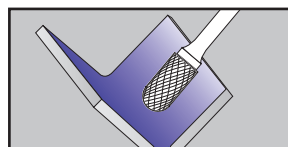
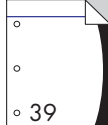
**FR**

## Fraises-limes de forme cylindrique à bout hémisphérique

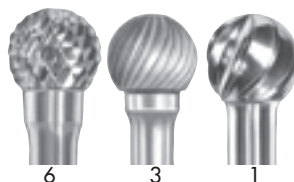
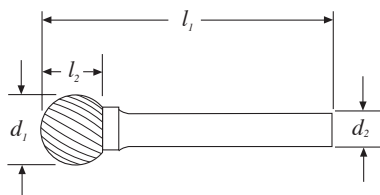
**Carbure monobloc**

\* Queue de 8 mm en option. Pour  
commander les coupes en option 4,  
3SP, 2, 5 : indiquer la quantité, le  
N° d'outil et la coupe.

Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	EDP No.	EDP No.	EDP No.
SC-41M	2,5	3	38	11	22253	22250	
SC-42M	3	3	38	14	22278	22275	
SC-42ML2	3	3	50	14	27453	27450	
SC-42ML3	3	3	75	14	27478	27475	
SC-11M	3	6	56	12	22053	22050	
SC-12M	3	6	60	16	22078	22075	
SC-52M	4	3	38	12,7	22328	22325	
SC-13M	4	6	50	16	22103	22100	
SC-53M	5	3	38	12,7	22353	22350	
SC-14M	5	6	50	16	22128	22125	
SC-1M	6	6	50	16	21703	21700	
SC-1MNF	6	6	50	19			29024
SC-1ML	6	6	50	25	21728	21725	
SC-1ML6	6	6	162	12,7	26328	26325	
SC-51M	6,3	3	50	12,7	22303	22300	
SC-2M	8	6	63	19	21753	21750	
SC-3M	9,5	6	63	19	21778	21775	
SC-3MNF	9,5	6	63	19			29026
SC-3ML	9,5	6	69	25	21803	21800	
SC-3ML6	9,5	6	169	19	26353	26350	
SC-3MZ	10	6	60	20	29117	29116	
SC-4M	11	6	69	25	21853	21850	
SC-5MZ	12	6	65	25	29121	29120	
SC-5M	12,7	6	69	25	21878	21875	
SC-5ML6	12,7	6	175	25	26378	26375	
SC-5MNF	12,7	6	69	25			29028
* SC-6M	16	6	69	25	21903	21900	
* SC-7M	19	6	69	25	21953	21950	
* SC-7MNF	19	6	69	25			29032
SC-7MNF	19	8	69	25			29034
* SC-9M	25	6	69	25	22003	22000	

**TECHNICAL**


# SD Burs - Ball Shape - Metric



Tool No.	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$l_1$ mm	$l_2$ mm	EDP No.	EDP No.	EDP No.
SD-41M	2,5	3	38	2,3	22778	22775	
SD-42M	3	3	38	2,5	22803	22800	
SD-42ML2	3	3	50	2,5	27553	27550	
SD-42ML3	3	3	75	2,5	27578	27575	
SD-11M	3	6	50	2,5	22728	22725	
SD-52M	4	3	38	3,4	22840	22837	
SD-53M	5	3	38	4,7	22853	22850	
SD-14M	5	6	50	4	22753	22750	
SD-1M	6	6	50	5	22453	22450	
SD-1ML6	6	6	155	5	26403	26400	
SD-1MNF	6	6	50	5			29036
SD-51M	6,3	3	44	5	22828	22825	
SD-2M	8	6	50	6,4	22478	22475	
SD-3M	9,5	6	52	8	22503	22500	
SD-3MNF	9,5	6	52	8			29038
SD-3ML6	9,5	6	158	8	26428	26425	
SD-3MZ	10	6	49	9	29125	29124	
SD-4M	11	6	54	9,5	22528	22525	
SD-5MZ	12	6	51	10,8	29129	29128	
SD-5M	12,7	6	55	11	22553	22550	
SD-5MNF	12,7	6	55	11			29040
SD-5ML6	12,7	6	161	11	26453	26450	
* SD-6M	16	6	58	14	22578	22575	
* SD-6MNF	16	6	58	14			29042
* SD-7M	19	6	62	16	22628	22625	
SD-7MNF	19	6	62	16			29044
* SD-7MNF	19	8	62	16			29046
SD-9M	25	6	72	21	22678	22675	

**E****Ball Shape Burs****Solid Carbide**

\* 8mm shanks optional

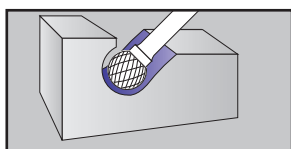
To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional cut

**ES****Limas rotativas esféricas****Metal duro**

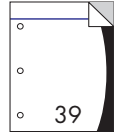
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR****Fraises-limes de forme sphérique****Carbure monobloc**

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

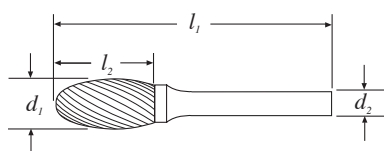


TECHNICAL



## Burs - Oval Shape - Metric

# SE


**E**

### Oval Shape Burs

#### Solid Carbide

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 –  
Specify Quantity, Tool No. &  
Optional cut

**ES**

### Limas rotativas en forma ovalada

#### Metal duro

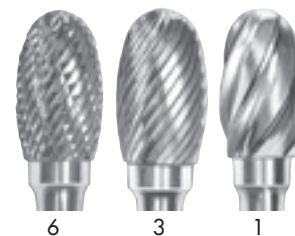
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR**

### Fraises-limes de forme ovale

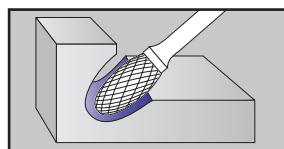
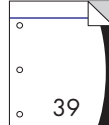
#### Carbure monobloc

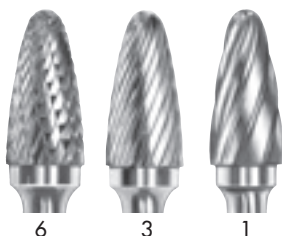
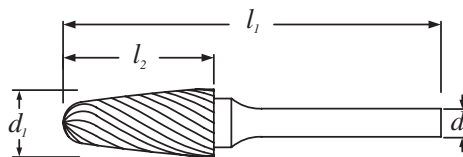
\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.



Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	6	3	1
					EDP No.	EDP No.	EDP No.
SE-41M	3	3	38	5,5	23153	23150	
SE-41ML2	3	3	50	5,5	27603	27600	
SE-41ML3	3	3	75	5,5	27628	27625	
SE-53M	5	3	38	7,1	23203	23200	
SE-1M	6	6	50	9,5	22953	22950	
SE-1ML6	6	6	160	9,5	26478	26475	
SE-51M	6,3	3	47	9,5	23178	23175	
SE-3M	9,5	6	60	16	22978	22975	
SE-3ML6	9,5	6	166	16	26503	26500	
SE-3MNF	9,5	6	60	16			29048
SE-5M	12,7	6	66	22	23003	23000	
SE-5ML6	12,7	6	172	22	26528	26525	
SE-5MNF	12,7	6	66	22			29050
* SE-6M	16	6	69	25	23028	23025	
* SE-6MNF	16	6	69	25			29052
* SE-7M	19	6	69	25	23078	23075	
* SE-7MNF	19	6	69	25			29054
SE-7MNF	19	8	69	25			29056

TECHNICAL





Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm			
					6	3	1
					EDP No.	EDP No.	EDP No.
SF-41M	3	3	38	6	23678	23675	
SF-42M	3	3	38	12,7	23703	23700	
SF-11M	3	6	56	12,7	23503	23500	
SF-42ML2	3	3	50	12,7	27653	27650	
SF-42ML3	3	3	75	12,7	27678	27675	
SF-53M	5	3	38	12,7	23753	23750	
SF-1M	6	6	50	16	23303	23300	
SF-1ML6	6	6	163	12,7	26553	26550	
SF-1MNF	6	6	50	19			29058
SF-51M	6,3	3	50	12,7	23728	23725	
SF-3M	9,5	6	63	19	23328	23325	
SF-3ML6	9,5	6	169	19	26578	26575	
SF-3MNF	9,5	6	63	19			29060
SF-4M	11	6	69	25	23353	23350	
SF-5MZ	12	6	65	25	23522	23520	
SF-13M	12,7	6	63	19	23528	23525	
SF-5M	12,7	6	69	25	23378	23375	
SF-5ML6	12,7	6	175	25	26603	26600	
SF-5MNF	12,7	6	69	25			29062
* SF-6M	16	6	69	25	23403	23400	
* SF-6MNF	16	6	69	25			29064
* SF-7M	19	6	69	25	23453	23450	
* SF-14M	19	6	76	32	23578	23575	
* SF-14MNF	19	6	76	32			29066
SF-14MNF	19	8	76	32			29068
* SF-15M	19	6	82	38	23628	23625	

**E****Tree Shape Burs with Radius End  
Solid Carbide**

\* 8mm shanks optional

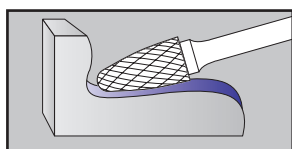
To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. &amp; Optional cut

**ES****Limas rotativas en forma de árbol con radio  
Metal duro****Metal duro**

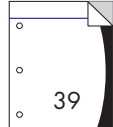
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR****Fraises-limes en forme d'ogive à bout hémisphérique  
Carbure monobloc****Carbure monobloc**

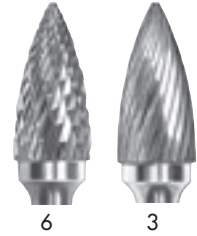
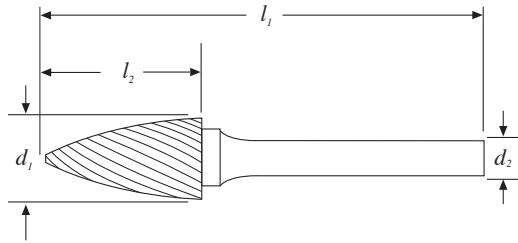
\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.



TECHNICAL



# Burs - Tree Shape with Pointed End - Metric



## E

### Tree Shape Burs with Pointed End Solid Carbide

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional cut

## ES

### Limas rotativas en forma de árbol Metal duro

\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

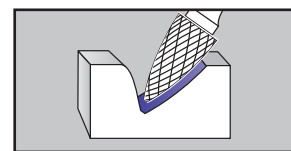
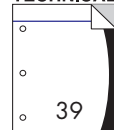
## FR

### Fraises-limes en forme d'ogive à bout pointu Carbure monobloc

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

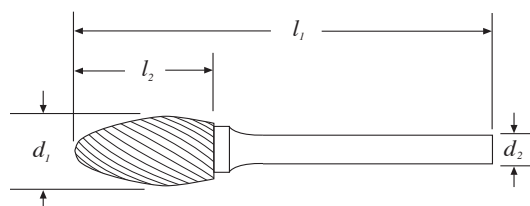
Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	6 EDP No.	3 EDP No.
SG-41M	3	3	38	6	24153	24150
SG-43M	3	3	38	9,5	24203	24200
SG-44M	3	3	38	12,7	24228	24225
SG-44ML2	3	3	50	12,7	27853	27850
SG-44ML3	3	3	75	12,7	27878	27875
SG-53M	5	3	38	12,7	24278	24275
SG-1M	6	6	50	16	23853	23850
SG-1ML6	6	6	163	12,7	26628	26625
SG-51M	6,3	3	50	12,7	24253	24250
SG-2M	8	6	63	19	23878	23875
SG-3M	9,5	6	63	19	23903	23900
SG-3ML6	9,5	6	169	19	26653	26650
SG-3MZ	10	6	60	20	24042	24040
SG-5MZ	12	6	65	25	24046	24045
SG-13M	12,7	6	63	19	24053	24050
SG-5M	12,7	6	69	25	23928	23925
SG-5ML6	12,7	6	175	25	26678	26675
* SG-6M	16	6	69	25	23953	23950
* SG-7M	19	6	69	25	24003	24000
* SG-15M	19	6	82	38	24103	24100

TECHNICAL



# SH

## Burs - Flame Shape - Metric



6

3

Tool No.	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$l_1$ mm	$l_2$ mm	EDP No.	EDP No.
SH-41M	3	3	38	6,3	24553	24550
SH-41ML2	3	3	50	6,3	27903	27900
SH-41ML3	3	3	75	6,3	27928	27925
SH-53M	5	3	38	9,5	24603	24600
SH-2M	8	6	63	19	24403	24400
SH-2ML6	8	6	169	19	26703	26700
SH-5M	12,7	6	76	32	24428	24425
SH-5ML6	12,7	6	182	32	26728	26725
* SH-6M	16	6	80	36	24453	24450
* SH-7M	19	6	85	41	24503	24500

**E**

### Flame Shape Burs Solid Carbide

\* 8mm shanks optional

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional cut

**ES**

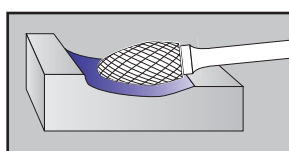
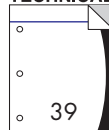
### Limas rotativas en forma de llama Metal duro

\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR**

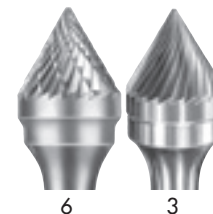
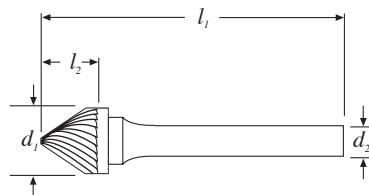
### Fraises-limes en forme de flamme Carbure monobloc

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.


**TECHNICAL**


39

## SJ



### E

**SJ - 60° Cone Shape Burs**

**SK - 90° Cone Shape Burs**

**Solid Carbide**

\* 8mm shanks optional - To Order Optional  
Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional cut

### ES

**Limas rotativas cónica**

**Metal duro**

**SJ - Forma cónica a 60°**

**SK - Forma cónica a 90°**

\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

### FR

**Fraises-limes de forme conique, à 60° et 90° Carbure monobloc**

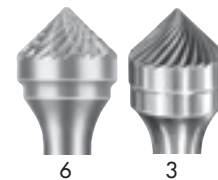
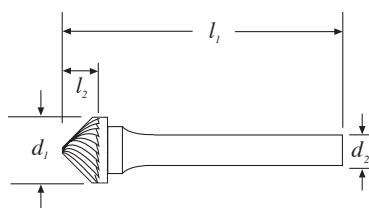
**SJ - Forme conique, 60°**

**SK - Forme conique, 90°**

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

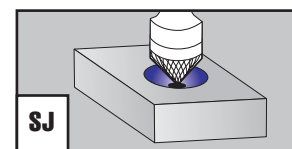
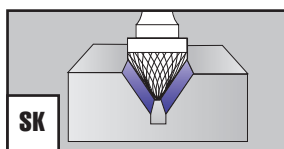
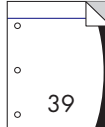
Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	EDP No.	EDP No.
SJ-42M	3	3	38	2,5	24903	24900
SJ-1M	6	6	50	4	24678	24675
SJ-3M	9,5	6	55	8	24703	24700
SJ-5M	12,7	6	58	11	24728	24725
* SJ-6M	16	6	61	14,5	24753	24750
* SJ-7M	19	6	65	17,5	24803	24800
* SJ-9M	25	6	68	24,5	24853	24850

## SK

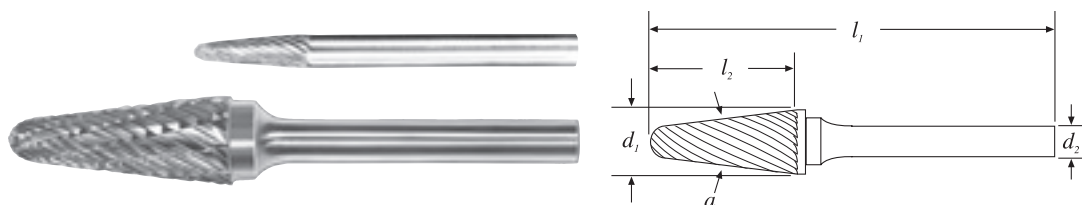


Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	EDP No.	EDP No.
SK-42M	3	3	38	1,5	25153	25150
SK-1M	6	6	50	3	24928	24925
SK-3M	9,5	6	52	4,7	24953	24950
SK-5M	12,7	6	54	6,3	24978	24975
* SK-6M	16	6	57	8	25003	25000
* SK-7M	19	6	58	9,5	25053	25050
* SK-9M	25	6	60	12,7	25103	25100

### TECHNICAL



# SL Burs - Taper Shape - Radius - Metric



Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	EDP No.	EDP No.
SL-41M	3	3	38	9,5	8°	25403	25400	
SL-42M	3	3	38	12,7	8°	25428	25425	
SL-42ML2	3	3	50	12,7	8°	27953	27950	
SL-42ML3	3	3	75	12,7	8°	27978	27975	
SL-53M	5	3	38	12,7	14°	25453	25450	
SL-1M	6	6	50	16	14°	25178	25175	
SL-1ML6	6	6	166	16	14°	26753	26750	
SL-2M	8	6	69	22	14°	25203	25200	
SL-3M	9,5	6	74	27	14°	25228	25225	
SL-3MNF	9,5	6	74	27	14°			29070
SL-3ML6	9,5	6	177	27	14°	26778	26775	
SL-4M	12,7	6	76	28	14°	25253	25250	
SL-4MNF	12,7	6	76	28	14°			29072
SL-4ML6	12,7	6	178	28	14°	26803	26800	
* SL-5M	16	6	77	30	14°	25278	25275	
* SL-5MNF	16	6	77	30	14°			29074
* SL-7M	19	6	85	38	14°	25353	25350	
* SL-7MNF	19	6	85	38	14°			29078
SL-7MNF	19	8	85	38	14°			29080

**E**

## Taper with Radius End Burs Solid Carbide

\* 8mm shanks optional. To Order Optional Cuts 4, 3SP, 2, 5 - Specify Quantity, Tool No. & Optional Cut

**ES**

## Limas rotativas cónicas a 8°-14° punta esférica

**Metal duro**

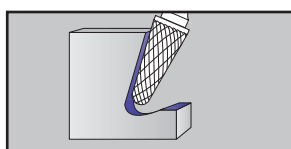
\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

**FR**

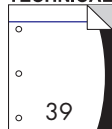
## Fraises-limes de forme conique, à bout hémisphérique

**Carbure monobloc**

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.



TECHNICAL

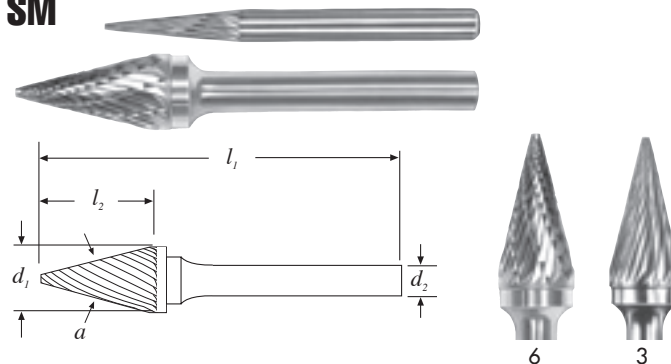


# Burs - Cone & Inverted Cone Shape - Metric

# SM, SN

## SM

### SM



### E

#### Cone (SM) and Inverted Cone (SN) Shape Burs Solid Carbide

\* 8mm shanks optional. To Order Optional Cuts 4, 3SP, 2, 5 - Specify Quantity, Tool No. & Optional Cut.

### ES

#### Limas rotativas (SM) cónicas (SN) cónica invertida

##### Metal duro

\* Mango de 8 mm opcional. Para ordenar cortes opcionales 4, 3SP y 2, 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional.

### FR

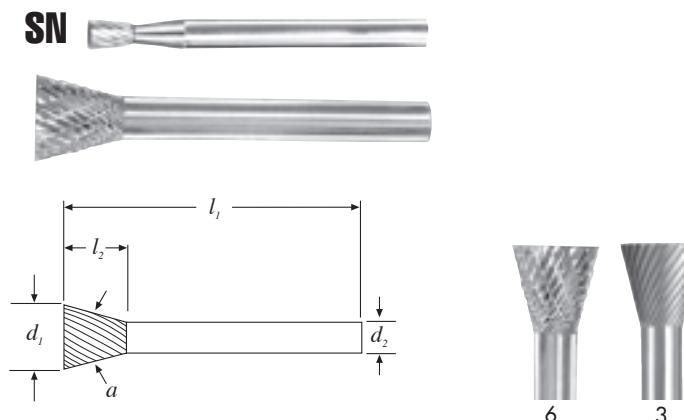
#### Fraises-limes (SM) de forme conique et conique inversée (SN)

##### Carbure monobloc

\* Queue de 8 mm en option. Pour commander les coupes en option 4, 3SP, 2, 5 : indiquer la quantité, le N° d'outil et la coupe.

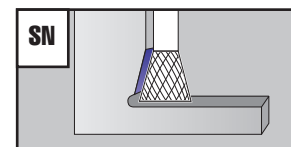
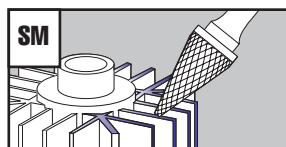
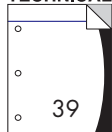
Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	EDP No.
SM-41M	3	3	38	8,9	12°	25678	25675
SM-42M	3	3	38	11	14°	25703	25700
SM-42ML2	3	3	50	11	14°	28053	28050
SM-42ML3	3	3	75	11	14°	28078	28075
SM-43M	3	3	38	16	7°	25728	25725
SM-53M	5	3	38	12,7	16°	25778	25775
SM-1M	6	6	50	12,7	22°	25503	25500
SM-2M	6	6	50	19	14°	25528	25525
SM-3M	6	6	50	25	10°	25553	25550
SM-51M	6,3	3	54	12,7	22°	25753	25750
SM-4M	9,5	6	63	16	28°	25578	25575
SM-5M	12,7	6	69	22	28°	25603	25600
*SM-6M	16	6	73	25	31°	25628	25625

### SN



Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	EDP No.
SN-41M	2,5	3	38	3	10°	26028	26025
SN-42M	3	3	38	4	10°	26053	26050
SN-53M	5	3	38	6,3	10°	26103	26100
SN-1M	6	6	50	8	10°	25853	25850
SN-51M	6,3	3	44	6	10°	26078	26075
SN-2M	9,5	6	53	9,5	13°	25878	25875
SN-4M	12,7	6	57	12,7	28°	25903	25900
* SN-6M	16	6	63	19	18°	25928	25925
* SN-7M	19	6	60	16	30°	25978	25975

#### TECHNICAL

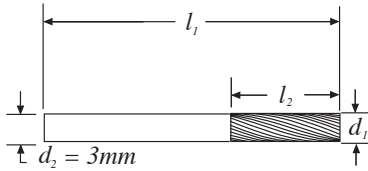


# Burs - Mold, Tool & Die Making - Metric

Limas rotativas para moldes, herramientas y matrices • Fraises-limes pour moulistes, outils et matrice



Solid Carbide Tools



6 3

Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	
						6	3
SA-41M	1,5	3	38	6		20603	20600
SA-41ML2	1,5	3	50	6		27103	27100
SA-41ML3	1,5	3	75	6		27128	27125
SA-42M	2,5	3	38	11		20628	20625
SA-42ML2	2,5	3	50	11		27153	27150
SA-42ML3	2,5	3	75	11		27178	27175
SA-43M	3	3	38	14		20653	20650
SA-43ML2	3	3	50	14		27203	27200
SA-43ML3	3	3	75	14		27228	27225
<b>E</b>							
SB-41M	1,5	3	38	6		21453	21450
SB-41ML2	1,5	3	50	6		27253	27250
SB-41ML3	1,5	3	75	6		27278	27275
SB-42M	2,5	3	38	11		21478	21475
SB-42ML2	2,5	3	50	11		27303	27300
SB-42ML3	2,5	3	75	11		27328	27325
SB-ECOM	3	3	38				21525
SB-43M	3	3	38	14		21503	21500
SB-43ML2	3	3	50	14		27353	27350
SB-43ML3	3	3	75	14		27378	27375
<b>ES</b>							
SC-41M	2,5	3	38	11		22253	22250
SC-42M	3	3	38	14		22278	22275
SC-42ML2	3	3	50	14		27453	27450
SC-42ML3	3	3	75	14		27478	27475
<b>FR</b>							
SD-41M	2,5	3	38	2,3		22778	22775
SD-42M	3	3	38	2,5		22803	22800
SD-42ML2	3	3	50	2,5		27553	27550
SD-42ML3	3	3	75	2,5		27578	27575
SE-41M	3	3	38	5,5		23153	23150
SE-41ML2	3	3	50	5,5		27603	27600
SE-41ML3	3	3	75	5,5		27628	27625
SF-41M	3	3	38	6		23678	23675
SF-42M	3	3	38	12,7		23703	23700
SF-42ML2	3	3	50	12,7		27653	27650
SF-42ML3	3	3	75	12,7		27678	27675
SG-41M	3	3	38	6		24153	24150
SG-43M	3	3	38	9,5		24203	24200
SG-44M	3	3	38	12,7		24228	24225
SG-44ML2	3	3	50	12,7		27853	27850
SG-44ML3	3	3	75	12,7		27878	27875
SH-41M	3	3	38	6,3		24553	24550
SH-41ML2	3	3	50	6,3		27903	27900
SH-41ML3	3	3	75	6,3		27928	27925
SJ-42M	3	3	38	2,5		24903	24900
SK-42M	3	3	38	1,5		25153	25150
SL-41M	3	3	38	9,5	8°	25403	25400
SL-42M	3	3	38	12,7	8°	25428	25425
SL-42ML2	3	3	50	12,7	8°	27953	27950
SL-42ML3	3	3	75	12,7	8°	27978	27975
SM-41M	3	3	38	8,9	12°	25678	25675
SM-42M	3	3	38	11	14°	25703	25700
SM-42ML2	3	3	50	11	14°	28053	28050
SM-42ML3	3	3	75	11	14°	28078	28075
SM-43M	3	3	38	16	7°	25728	25725
SN-41M	2,5	3	38	3	10°	26028	26025
SN-42M	3	3	38	4	10°	26053	26050



**Mold, Tool & Die Making Burs**  
**Solid Carbide**

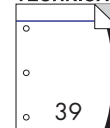


**Limas rotativas para moldes, herramientas y matrices**  
**Metal duro**



**Fraises-limes pour moulistes, outils et matrices**  
**Carbure monobloc**

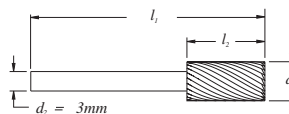
TECHNICAL



# Burs - Mold, Tool & Die Making - Metric

Limas rotativas para moldes, herramientas y matrices • Fraises-limes pour moulistes, outils et matrice

## 6,3mm



Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	
						6	3
SA-51M	6,3	3	50	12,7		20678	20675
SB-51M	6,3	3	43	4,7		21553	21550
SC-51M	6,3	3	50	12,7		22303	22300
SD-51M	6,3	3	44	5		22828	22825
SE-51M	6,3	3	47	9,5		23178	23175
SF-51M	6,3	3	50	12,7		23728	23725
SG-51M	6,3	3	50	12,7		24253	24250
SM-51M	6,3	3	54	12,7	22°	25753	25750
SN-51M	6,3	3	44	6	10°	26078	26075

### E

#### Mold, Tool & Die Making Burs

6,3mm Head - 3mm Shank Braze Construction  
5mm/4mm Head - 3mm Shank - Solid Carbide

### ES

#### Limas rotativas para hacer moldes, herramientas y matrices

Cabeza de 6.3mm - Mango de 3mm con construcción de soldadura de bronce  
Cabeza de 5mm/4mm - Mango de 3mm - Metal duro

### FR

#### Fraises-limes pour mouliste, outils et matrices

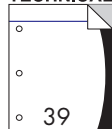
Tête de 6,3mm - Queue de 3mm - Brasées  
Tête de 5mm/4mm - Queue de 3mm - Carbone monobloc

## 4mm / 5mm



Tool No.	ød <sub>1</sub> mm	ød <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	α	EDP No.	
						6	3
SA-52M	4	3	38	12,7		20703	20700
SA-53M	5	3	38	12,7		20728	20725
SC-52M	4	3	38	12,7		22328	22325
SC-53M	5	3	38	12,7		22353	22350
SD-52M	4	3	38	3,4		22840	22837
SD-53M	5	3	38	4,7		22853	22850
SE-53M	5	3	38	7,1		23203	23200
SF-53M	5	3	38	12,7		23753	23750
SG-53M	5	3	38	12,7		24278	24275
SH-53M	5	3	38	9,5		24603	24600
SL-53M	5	3	38	12,7	14°	25453	25450
SM-53M	5	3	38	12,7	16°	25778	25775
SN-53M	5	3	38	6,3	10°	26103	26100

TECHNICAL



# Bur Sets - Solid Carbide - Metric

Juegos de limas rotativas - Carburo sólido • Jeux de fraises-limes - Carbone monobloc

## #6M



6

EDP No.  
28211



3

EDP No.  
28210

### GB

**SET #6M** - Includes Eight Tool Numbers: SA-5M, SC-3M, SC-5M, SD-5M, SF-3M, SF-5M, SG-3M, SL-4M

### ES

**Estuche #6M** - Incluye ocho herramientas número: SA-5M, SC-3M, SC-5M, SD-5M, SF-3M, SF-5M, SG-3M, SL-4M

### FR

**Coffret No 6M** - Comprend huit numéros d'outils: SA-5M, SC-3M, SC-5M, SD-5M, SF-3M, SF-5M, SG-3M, SL-4M

## #1M



6

EDP No.  
28201



3

EDP No.  
28200

### GB

**SET #1M** - Includes Tool No.: SA-42M, SA-43M, SC-41M, SC-42M, SD-42M, SE-41M, SF-42M, SG-43M, SH-41M, SL-42M, SM-42M, SN-42M

**Long Shank Bur Set #8M** - Includes Tool No.: SA-1ML6, SA-5ML6, SC-1ML6, SC-5ML6, SD-1ML6, SF-1ML6, SG-1ML6, SL-1ML6

### ES

**Estuche #1M** - Incluye herramientas número: SA-42M, SA-43M, SC-41M, SC-42M, SD-42M, SE-41M, SF-42M, SG-43M, SH-41M, SL-42M, SM-42M, SN-42M

**Estuche #8M** - Incluye herramientas número: SA-1ML6, SA-5ML6, SC-1ML6, SC-5ML6, SD-1ML6, SF-1ML6, SG-1ML6, SL-1ML6

### FR

**Coffret No 1M** - Comprend les outils N°: SA-42M, SA-43M, SC-41M, SC-42M, SD-42M, SE-41M, SF-42M, SG-43M, SH-41M, SL-42M, SM-42M, SN-42M

**Coffret No 8M** - Comprend les outils N°: SA-1ML6, SA-5ML6, SC-1ML6, SC-5ML6, SD-1ML6, SF-1ML6, SG-1ML6, SL-1ML6

## #8M



6

EDP No.  
28215



3

EDP No.  
28214

# FIBERGLASS ROUTERS - METRIC

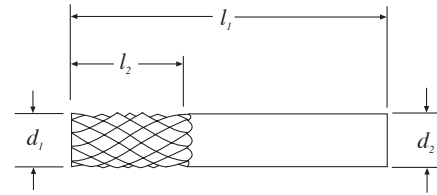
# FGR

**E**
**Fiberglass Routers Solid Carbide**

For Fiberglass And Non-Metallic Materials

STYLE A: No End Cut, STYLE B: Bur End,

STYLE C: End Mill End, STYLE D: Drill End


**ES**
**Fresa Para fibra de vidrio**
**Metal duro** Para fibra de vidrio y otros materiales

no metálicos. ESTILO A: Sin corte frontal,

ESTILO B: Con punta de lima rotativa,

ESTILO C: Con punta de fresa,

ESTILO D: Con punta de broca

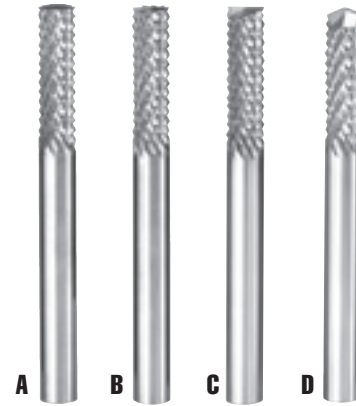
**FR**
**Fraises pour fibre de verre**
**Carbure monobloc** Pour fibres de verre et

matières non-métalliques. Type A: sans taille en

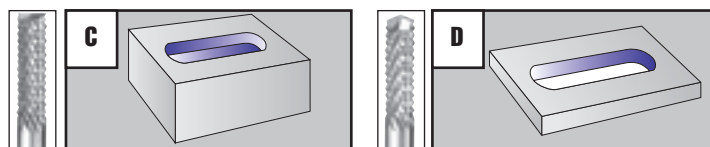
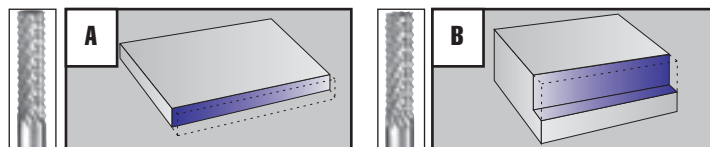
bout, Type B: taille en bout comme fraise-lime,

Type C: taille en bout comme fraise,

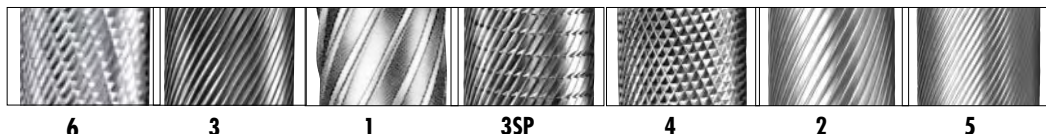
Type D: taille en bout comme foret



Tool No.	$\varnothing d_1$ mm	$\varnothing d_2$ mm	$l_1$ mm	$l_2$ mm	EDP No.	EDP No.	EDP No.	EDP No.
FGR-1M	1,6	3	38	5	83001	83015	83030	83045
FGR 1-1M	2,4	3	38	9,5	83002	83016	83031	83046
FGR-2M	3	3	38	12	83003	83017	83032	83047
FGR-3M	4	4	50	16	83004	83018	83033	83048
FGR-4M	4	6	50	16	83005	83019	83034	83049
FGR-5M	6	6	50	19	83006	83020	83035	83050
FGR-6M	6	6	63	19	83007	83021	83036	83051
FGR 6-1M	6	6	75	25	83008	83022	83037	83052
FGR-7M	8	8	63	25	83009	83023	83038	83053
FGR-8M	10	10	75	25	83010	83024	83039	83054
FGR-9M	12	12	75	25	83011	83025	83040	83055



**Application and Speed Recommendations Carbide Burs**  
**Recomendaciones para aplicación y velocidad Limas Rotativas de Carburo**  
**Recommandations sur l'application et la vitesse Fraises-limes en carbure**



### E Basic Fluting Styles for Carbide Burs

- 6 Double Cut:** Very efficient stock removal. Creates a small chip. Good finish. Excellent operator control.
- 3 Single Cut:** General purpose fluting. Produces long chips.
- 1 Nonferrous:** For nonferrous materials. Aggressive stock removal.
- 3SP Chip Breaker:** Provides breakdown in chips. Better control.
- 4 Diamond Cut:** For heat treated and tough alloy steels where control is important. Creates a powder-like chip. Excellent finish.
- 2 Coarse Cut:** Provides large flute area for softer ferrous materials. Fast stock removal.
- 5 Fine Cut:** For general use on hard materials requiring a fine finish.

### ES Estilos básicos de filos en las limas rotativas de carburo sólido

- 6 Diente Cruzado / Corte Doble:** Remueve el material en forma extremadamente eficaz. Produce virutas pequeñas. Buen acabado. Excelente control de operación.
- 3 Diente Simple / Corte Simple:** Para uso general. Produce virutas largas.
- 1 Diente Aluminio / Corte No Ferroso:** Para materiales no ferrosos. Remueve material extremadamente rápido.
- 3SP Rompevirutas:** Quebra las virutas. Mejora el control.
- 4 Diente Diamante / Corte Diamante:** Para aleaciones de acero tratadas térmicamente y aleaciones de acero duras donde el control es importante. Convierte las virutas en polvo. Excelente acabado.
- 2 Diente Grueso / Corte Grueso:** Suministra una gran área de cortes para materiales ferrosos mas suaves. Remueve el material rápidamente.
- 5 Diente Fino / Corte Fino:** Para uso general en materiales duros que requieren un acabado fino.

### FR Types de dentures de base pour les fraises-limes

- 6 Denture croisée:** Matière enlevée de façon très efficace. Petits copeaux. Bonne finition. Excellent contrôle opérateur.
- 3 Denture standard:** Denture à usage général. Produit de longs copeaux.
- 1 Denture alu:** Pour métaux non-ferreux. Enlèvement agressif de matière.
- 3SP Denture brise-copeaux:** Rupture des copeaux. Meilleur contrôle.
- 4 Denture diamant:** Pour aciers trempés et alliage dur, où il est important d'avoir un bon contrôle. Crée des copeaux très fins. Excellente finition.
- 2 Denture à grand rendement:** Sur une grande surface pour des métaux non-ferreux plus tendres. Enlèvement rapide de matière.
- 5 Denture fine:** Utilisé pour la finition fine des métaux durs.

### Solid Carbide Bur Application Information

#### Estilos básicos de filos en las limas rotativas de carburo

#### Informations sur l'application des fraises-limes en carbure monobloc



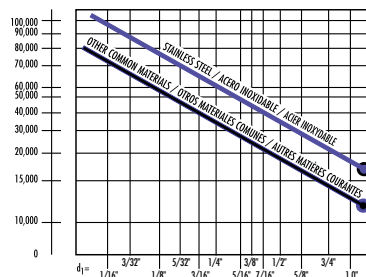
Material / Materiales / Matière	6	3	1	3SP	4	2	5
Aluminum / Aluminio			•				
Brass, Bronze Copper / Latón, Bronce, Cobre / Laiton, bronze, cuivre	•			•		•	
Carbon Fiber / Fibra de Carbono / Fibre de carbone		•				•	
Fiberglass / Fibra de Vidrio / Fibre de verre					•		
Cast Iron / Hierro Fundido / Fonte	•	•		•			
Plastics / Plásticos / Matières synthétiques			•			•	
Hard Rubber / Látex duro / Caoutchouc durci						•	
Steel, 40-55 Rc / Acero 40-55 Rc / Acier, 40-55 Rc	•	•		•	•		•
Steel, 55-60 Rc / Acero 55-60 Rc / Acier, 55-60 Rc	•	•		•	•		•
Steel, Carbon / Acero, Carbono / Acier au carbone	•	•		•	•		
Steel, Nickel Chrome / Acero, Niquel Cromo / Acier au nickel-chrome	•	•		•	•		
Steel, Stainless / Acero, Inoxidable / Acier inoxydable	•	•		•	•		•
Steel, Weldments / Acero, Soldaduras / Acier de soudure	•	•		•	•		
Titanium / Titanio / Titane	•	•		•			
Zinc / Zinc / Zinc			•			•	

**Bur Speed Recommendations** Extra-long burs with 1/4" shanks over 6" long and 1/8" shank burs over 2" long should be used at reduced speeds.

#### Recomendaciones para velocidad de las limas rotativas

Al utilizar limas rotativas extra largas con zancos de 1/4" y 6" de largo, y al utilizar las de 1/8" con más de 2" de largo se debe reducir la velocidad de la máquina.

**Vitesse de rotation des fraises-limes** Les fraises limes longues à queue de plus de 6" de long et les fraises limes à queue de 1/8" de plus de 2" de long, doivent être utilisées à vitesse réduite.





# BURS

## OMEGA BURS

Aggressive Deep Double Cut

Omega Burs from SGS are Deep, Aggressive Double Cut Burs designed to handle your most challenging applications. With a deep, aggressive tooth pattern, Omega Burs allow for improved chip control and rapid stock removal in harder materials...with minimal chatter.

ONLY FROM 



### FEATURES & BENEFITS:

- Enhanced geometry and deep flute configuration for increased tooth strength
- Longer tool life vs. conventional burs
- Maximum stock removal
- Improved productivity and cost savings

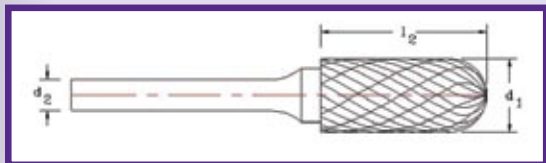
### APPLICATIONS INCLUDE:

- Mild steels
- Stainless steel
- Cast iron
- Other ferrous metals

### INDUSTRIES:

- Marine & shipbuilding
- Offshore MRO
- Foundries
- Automotive
- Metal fabrication





SHOP NOW

**Solid Carbide Tools**  
 An ISO 9001 Certified Company

## SERIES DDC FRACTIONAL

Tool No.	Cutting Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Uncoated EDP	Ti-NAMITE-A (AlTiN) EDP No.
SA-3	3/8	3/4	1/4	10269	10304
SA-5	1/2	1	1/4	10270	10305
SA-5 3/8	1/2	1	3/8	10271	10306
SB-3	3/8	3/4	1/4	10272	10307
SB-5	1/2	1	1/4	10273	10308
SB-5 3/8	1/2	1	3/8	10274	10309
SC-3	3/8	3/4	1/4	10275	10310
SC-5	1/2	1	1/4	10276	10311
SC-5 3/8	1/2	1	3/8	10277	10312
SC-6 3/8	5/8	1	3/8	10278	10313
SD-3	3/8	5/16	1/4	10279	10314
SD-5	1/2	7/16	1/4	10280	10315
SD-5 3/8	1/2	7/16	3/8	10281	10316
SE-3	3/8	5/8	1/4	10282	10317
SE-5	1/2	7/8	1/4	10283	10318
SE-5 3/8	1/2	7/8	3/8	10284	10319
SF-3	3/8	3/4	1/4	10285	10320
SF-5	1/2	1	1/4	10286	10321
SF-5 3/8	1/2	1	3/8	10287	10322
SF-6 3/8	5/8	1	3/8	10288	10323
SG-3	3/8	3/4	1/4	10289	10324
SG-5	1/2	1	1/4	10290	10325
SG-5 3/8	1/2	1	3/8	10291	10326
SG-6 3/8	5/8	1	3/8	10292	10327
SH-5	1/2	1-1/4	1/4	10293	10330
SH-5 3/8	1/2	1-1/4	3/8	10294	10331
SL-3	3/8	1-1/16	1/4	10295	10332
SL-4	1/2	1-1/8	1/4	10296	10333
SL-4 3/8	1/2	1-1/8	3/8	10297	10334
SM-5	1/2	7/8	1/4	10298	10335
SM-5 3/8	1/2	7/8	3/8	10299	10336

## SERIES DDC-M METRIC

Tool No.	Cutting Diameter $d_1$ mm	Length of Cut $l_2$ mm	Shank Diameter $d_2$ mm	Uncoated EDP	Ti-NAMITE-A (AlTiN) EDP No.
SA-3M	9,5	19	6	20269	20300
SA-5M	12,7	25	6	20270	20301
SA-5M8	12,7	25	8	20271	20302
SB-3M	9,5	19	6	20272	20303
SB-5M	12,7	25	6	20273	20304
SB-5M8	12,7	25	8	20274	20305
SC-3M	9,5	19	6	20275	20306
SC-5M	12,7	25	6	20276	20307
SC-5M8	12,7	25	8	20277	20308
SC-6M8	16,0	25	8	20278	20309
SD-3M	9,5	8	6	20279	20310
SD-5M	12,7	11	6	20280	20311
SD-5M8	12,7	11	8	20281	20312
SE-3M	9,5	16	6	20282	20313
SE-5M	12,7	22	6	20283	20314
SE-5M8	12,7	22	8	20284	20315
SF-3M	9,5	19	6	20285	20316
SF-5M	12,7	25	6	20286	20317
SF-5M8	12,7	25	8	20287	20318
SF-6M8	16,0	25	8	20288	20319
SG-3M	9,5	19	6	20289	20320
SG-5M	12,7	25	6	20290	20321
SG-5M8	12,7	25	8	20291	20322
SG-6M8	16,0	25	8	20292	20323
SH-5M	12,7	32	6	20293	20324
SH-5M8	12,7	32	8	20294	20325
SL-3M	9,5	27	6	20295	20326
SL-4M	12,7	28	6	20296	20327
SL-4M8	12,7	28	8	20297	20328
SM-5M	12,7	22	6	20298	20329
SM-5M8	12,7	22	8	20299	20330

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