

## Cylinder Shape Burs



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Service Available

\* 3/8" / 8 mm shanks optional.

## Limas rotativas forma cilíndrica



Carburo sólido – 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

\* Mango de 3/8" / 8 mm opcional.

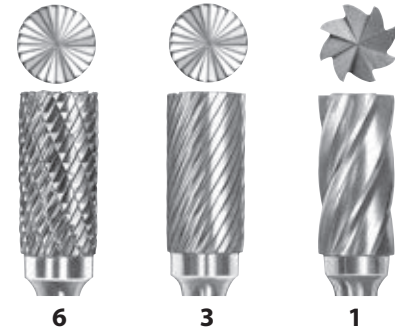
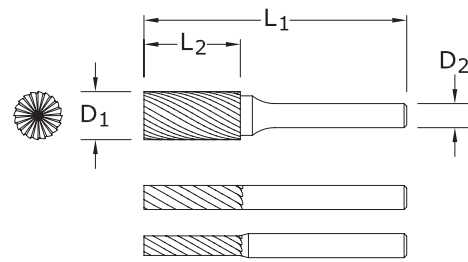
## Fraises – Limes forme cylindrique



Carbure monobloc – 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

\* Queue de 3/8" / 8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut	Single Cut	Nonferrous Cut
					EDP No.	EDP No.	EDP No.
SA-41	1/16	1/4	1/8	1-1/2	10603	10600	–
SA-41L2	1/16	1/4	1/8	2	17103	17100	–
SA-41L3	1/16	1/4	1/8	3	17128	17125	–
SA-61	1/16	1/4	3/32	1-1/4	10753	10750	–
SA-63	3/32	3/8	3/32	1-1/4	10778	10775	–
SA-42	3/32	7/16	1/8	1-1/2	10628	10625	–
SA-42L2	3/32	7/16	1/8	2	17153	17150	–
SA-42L3	3/32	7/16	1/8	3	17178	17175	–
SA-11	1/8	1/2	1/4	2-5/16	10403	10400	–
SA-43	1/8	9/16	1/8	1-1/2	10653	10650	–
SA-43L2	1/8	9/16	1/8	2	17203	17200	–
SA-43L3	1/8	9/16	1/8	3	17228	17225	–
SA-12	1/8	5/8	1/4	2-4/9	10428	10425	–
SA-52	5/32	1/2	1/8	1-1/2	10703	10700	–
SA-13	5/32	5/8	1/4	2	10453	10450	–
SA-81	3/16	1/2	3/16	2	10803	10800	–
SA-53	3/16	1/2	1/8	1-1/2	10728	10725	–
SA-14	3/16	5/8	1/4	2	10478	10475	–
SA-51	1/4	1/2	1/8	2	10678	10675	–
SA-1	1/4	5/8	1/4	2	10003	10000	–
SA-1L	1/4	1	1/4	2	10028	10025	–
SA-1L6	1/4	5/8	1/4	6-1/2	16178	16175	–
SA-1NF	1/4	3/4	1/4	2	–	–	19000
SA-2	5/16	3/4	1/4	2-1/2	10053	10050	–
SA-3	3/8	3/4	1/4	2-1/2	10078	10075	–
SA-3L	3/8	1	1/4	2-3/4	10103	10100	–
SA-3L6	3/8	3/4	1/4	6-3/4	16203	16200	–
SA-3NF	3/8	3/4	1/4	2-1/2	–	–	19002
SA-3X	3/8	1-1/2	1/4	3-1/4	10128	10125	–
SA-4	7/16	1	1/4	2-3/4	10153	10150	–
SA-5	1/2	1	1/4	2-3/4	10178	10175	–
SA-5L6	1/2	1	1/4	7	16228	16225	–
SA-5NF	1/2	1	1/4	2-3/4	–	–	19004
*SA-6	5/8	1	1/4	2-3/4	10203	10200	–
*SA-6NF	5/8	1	1/4	2-3/4	–	–	19006
*SA-15	3/4	1/2	1/4	2-1/4	10503	10500	–
*SA-16	3/4	3/4	1/4	2-1/2	10553	10550	–
*SA-7	3/4	1	1/4	2-3/4	10253	10250	–
SA-7NF	3/4	1	1/4	2-3/4	–	–	19008
SA-7NF3/8	3/4	1	3/8	3	–	–	19010
*SA-8	7/8	1	1/4	2-3/4	10303	10300	–
*SA-9	1	1	1/4	2-3/4	10353	10350	–



## Cylinder Shape Burs with End Cut



Solid Carbide

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut. – Complete Bur Regrind Service Available  
\* 3/8" / 8 mm shanks optional.

## Limas rotativas en forma cilíndrica con corte frontal



Carburo sólido

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

\* Mango de 3/8" / 8 mm opcional.

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

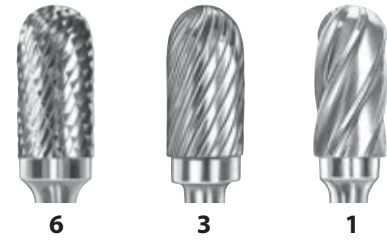
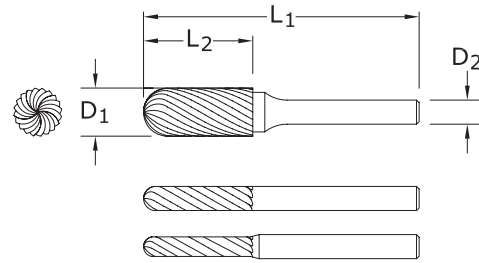


Carbure monobloc

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

\* Queue de 3/8" / 8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SB-41	1/16	1/4	1/8	1-1/2	11453	11450	–
SB-41L2	1/16	1/4	1/8	2	17253	17250	–
SB-41L3	1/16	1/4	1/8	3	17278	17275	–
SB-42	3/32	7/16	1/8	1-1/2	11478	11475	–
SB-42L2	3/32	7/16	1/8	2	17303	17300	–
SB-42L3	3/32	7/16	1/8	3	17328	17325	–
SB-ECO	1/8	–	1/8	3	–	11525	–
SB-11	1/8	1/2	1/4	2-5/16	11253	11250	–
SB-12	1/8	5/8	1/4	2-4/9	11278	11275	–
SB-43	1/8	9/16	1/8	1-1/2	11503	11500	–
SB-43L2	1/8	9/16	1/8	2	17353	17350	–
SB-43L3	1/8	9/16	1/8	3	17378	17375	–
SB-13	5/32	5/8	1/4	2	11303	11300	–
SB-14	3/16	5/8	1/4	2	10328	10825	–
SB-51	1/4	3/16	1/8	1-11/16	11550	11553	–
SB-1	1/4	5/8	1/4	2	10853	10850	–
SB-1L	1/4	1	1/4	2	10878	10875	–
SB-1NF	1/4	3/4	1/4	2	–	–	19012
SB-2	5/16	3/4	1/4	2-1/2	10903	10900	–
SB-3	3/8	3/4	1/4	2-1/2	10928	10925	–
SB-3L	3/8	1	1/4	2-3/4	10953	10950	–
SB-3NF	3/8	3/4	1/4	2-1/2	–	–	19014
SB-3X	3/8	1-1/2	1/4	3-1/4	10978	10975	–
SB-4	7/16	1	1/4	2-3/4	11003	11000	–
SB-5	1/2	1	1/4	2-3/4	11028	11025	–
SB-5NF	1/2	1	1/4	2-3/4	–	–	19016
*SB-6	5/8	1	1/4	2-3/4	11053	11050	–
*SB-6NF	5/8	1	1/4	2-3/4	–	–	19018
*SB-15	3/4	1/2	1/4	2-1/4	11353	11350	–
*SB-16	3/4	3/4	1/4	2-1/2	11403	11400	–
*SB-7	3/4	1	1/4	2-3/4	11103	11100	–
SB-7NF	3/4	1	1/4	2-3/4	–	–	19020
SB-7NF3/8	3/4	1	3/8	3	–	–	19022
*SB-8	7/8	1	1/4	2-3/4	11153	11150	–
*SB-9	1	1	1/4	2-3/4	11203	11200	–



## Cylinder Shape Burs with Radius End



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Service Available  
\* 3/8"/8 mm shanks optional.

## Limas rotativas en forma cilíndrica con radio



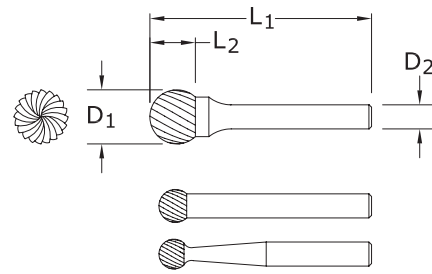
Carburo sólido – Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional – Disponemos de un servicio completo de reafileado de limas rotativas  
\* Mango de 3/8"/8 mm opcional.

## Fraises-limes de forme cylindrique à bout hémisphérique



Carbure monobloc – 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  
\* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SC-61	3/32	3/8	3/32	1-1/4	12378	12375	–
SC-41	3/32	7/16	1/8	1-1/2	12253	12250	–
SC-11	1/8	1/2	1/4	2-5/16	12053	12050	–
SC-42	1/8	9/16	1/8	1-1/2	12278	12275	–
SC-42L2	1/8	9/16	1/8	2	17453	17450	–
SC-42L3	1/8	9/16	1/8	3	17478	17475	–
SC-12	1/8	5/8	1/4	2-4/9	12078	12075	–
SC-52	5/32	1/2	1/8	1-1/2	12328	12325	–
SC-13	5/32	5/8	1/4	2	12103	12100	–
SC-81	3/16	1/2	3/16	2	12403	12400	–
SC-53	3/16	1/2	1/8	1-1/2	12353	12350	–
SC-14	3/16	5/8	1/4	2	12128	12125	–
SC-51	1/4	1/2	1/8	2	12303	12300	–
SC-1	1/4	5/8	1/4	2	11703	11700	–
SC-1L	1/4	1	1/4	2	11728	11725	–
SC-1L6	1/4	5/8	1/4	6-1/2	16328	16325	–
SC-1NF	1/4	3/4	1/4	2	–	–	19024
SC-2	5/16	3/4	1/4	2-1/2	11753	11750	–
SC-3	3/8	3/4	1/4	2-1/2	11778	11775	–
SC-3L	3/8	1	1/4	2-3/4	11803	11800	–
SC-3L6	3/8	3/4	1/4	6-3/4	16353	16350	–
SC-3NF	3/8	3/4	1/4	2-1/2	–	–	19026
SC-3X	3/8	1-1/2	1/4	3-1/4	11828	11825	–
SC-4	7/16	1	1/4	2-3/4	11853	11850	–
SC-5	1/2	1	1/4	2-3/4	11878	11875	–
SC-5L6	1/2	1	1/4	7	16378	16375	–
SC-5NF	1/2	1	1/4	2-3/4	–	–	19028
*SC-6	5/8	1	1/4	2-3/4	11903	11900	–
*SC-6NF	5/8	1	1/4	2-3/4	–	–	19030
*SC-15	3/4	1/2	1/4	2-1/4	12153	12150	–
*SC-16	3/4	3/4	1/4	2-1/2	12203	12200	–
*SC-7	3/4	1	1/4	2-3/4	11953	11950	–
SC-7NF	3/4	1	1/4	2-3/4	–	–	19032
SC-7NF3/8	3/4	1	3/8	3	–	–	19034
*SC-9	1	1	1/4	2-3/4	12003	12000	–



## Ball Shape Burs



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Services Available  
\* 3/8"/8 mm shanks optional.

## Limas rotativas esféricas



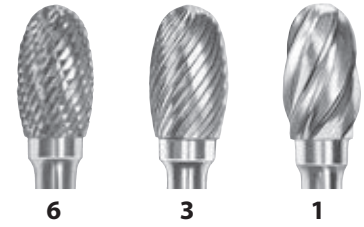
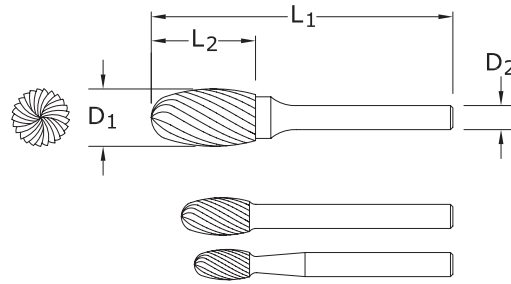
Carburo sólido – Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional – Disponemos de un servicio completo de reafilado de limas rotativas  
\* Mango de 3/8"/8 mm opcional.

## Fraises-limes de forme sphérique



Carbure monobloc – 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  
\* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SD-41	3/32	3/32	1/8	1-1/2	12778	12775	–
SD-61	3/32	3/32	3/32	1-1/4	12878	12875	–
SD-11	1/8	3/32	1/4	2	12728	12725	–
SD-42	1/8	1/8	1/8	1-1/2	12803	12800	–
SD-42L2	1/8	1/8	1/8	2	17553	17550	–
SD-42L3	1/8	1/8	1/8	3	17578	17575	–
SD-52	5/32	5/32	1/8	1-1/2	12840	12837	–
SD-14	3/16	1/8	1/4	2	12753	12750	–
SD-81	3/16	5/32	3/16	2	12903	12900	–
SD-53	3/16	5/32	1/8	1-1/2	12853	12850	–
SD-1	1/4	7/32	1/4	2	12453	12450	–
SD-1L6	1/4	7/32	1/4	6-2/9	16403	16400	–
SD-1NF	1/4	7/32	1/4	2	–	–	19036
SD-51	1/4	7/32	1/8	1-3/4	12828	12825	–
SD-2	5/16	1/4	1/4	2	12478	12475	–
SD-3	3/8	5/16	1/4	2-1/16	12503	12500	–
SD-3L6	3/8	5/16	1/4	6-1/3	16428	16425	–
SD-3NF	3/8	5/16	1/4	2-1/16	–	–	19038
SD-4	7/16	3/8	1/4	2-1/7	12528	12525	–
SD-5	1/2	7/16	1/4	2-1/5	12553	12550	–
SD-5L6	1/2	7/16	1/4	6-5/11	16453	16450	–
SD-5NF	1/2	7/16	1/4	2-1/5	–	–	19040
*SD-6	5/8	9/16	1/4	2-1/3	12578	12575	–
*SD-6NF	5/8	9/16	1/4	2-1/3	–	–	19042
*SD-7	3/4	11/16	1/4	2-4/9	12628	12625	–
SD-7NF	3/4	11/16	1/4	2-4/9	–	–	19044
SD-7NF3/8	3/4	11/16	3/8	2-11/16	–	–	19046
*SD-9	1	15/16	1/4	2-2/3	12678	12675	–



## Oval Shape Burs



Solid Carbide

To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Service Available  
\* 3/8"/8 mm shanks optional.

## Limas rotativas en forma ovalada



Carburo sólido

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  
\* Mango de 3/8"/8 mm opcional.

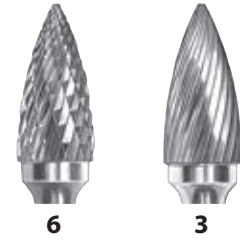
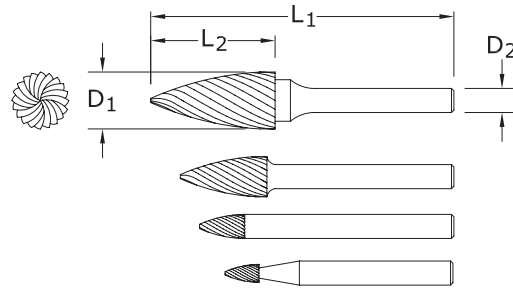
## Fraises-limes de forme ovale



Carbure monobloc

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  
\* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.	Nonferrous Cut EDP No.
SE-61	3/32	1/8	3/32	1-1/4	13228	13225	–
SE-41	1/8	7/32	1/8	1-1/2	13153	13150	–
SE-41L2	1/8	7/32	1/8	2	17603	17600	–
SE-41L3	1/8	7/32	1/8	3	17628	17625	–
SE-81	3/16	9/32	3/16	2	13253	13250	–
SE-53	3/16	9/32	1/8	1-1/2	13203	13200	–
SE-11	3/16	5/16	1/4	2	13128	13125	–
SE-1	1/4	3/8	1/4	2	12953	12950	–
SE-1L6	1/4	3/8	1/4	6-3/8	16478	16475	–
SE-51	1/4	3/8	1/8	1-8/9	13178	13175	–
SE-3	3/8	5/8	1/4	2-3/8	12978	12975	–
SE-3L6	3/8	5/8	1/4	6-5/8	16503	16500	–
SE-3NF	3/8	5/8	1/4	2-3/8	–	–	19048
SE-5	1/2	7/8	1/4	2-5/8	13003	13000	–
SE-5L6	1/2	7/8	1/4	6-8/9	16528	16525	–
SE-5NF	1/2	7/8	1/4	2-5/8	–	–	19050
*SE-6	5/8	1	1/4	2-3/4	13028	13025	–
*SE-6NF	5/8	1	1/4	2-3/4	–	–	19052
*SE-7	3/4	1	1/4	2-3/4	13078	13075	–
SE-7NF	3/4	1	1/4	2-3/4	–	–	19054
SE-7NF3/8	3/4	1	3/8	2-3/4	–	–	19056



## Tree Shape Burs with Pointed End



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Service Available  
\* 3/8"/8 mm shanks optional.

## Limas rotativas en forma de árbol puntiagudo



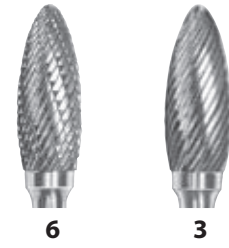
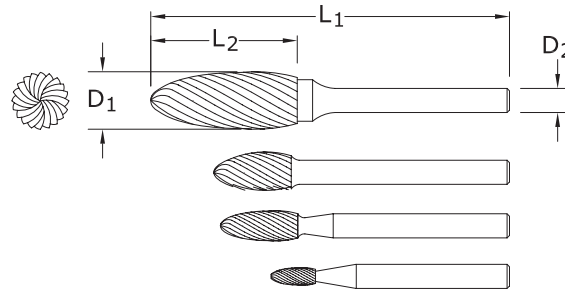
Carburo sólido – Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional – Disponemos de un servicio completo de reafileado de limas rotativas  
\* Mango de 3/8"/8 mm opcional.

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



Carbure monobloc – 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  
\* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.
SG-61	3/32	1/4	3/32	1-1/4	14303	14300
SG-41	1/8	1/4	1/8	1-1/2	14153	14150
SG-42	1/8	5/16	1/8	1-1/2	14178	14175
SG-43	1/8	3/8	1/8	1-1/2	14203	14200
SG-44	1/8	1/2	1/8	1-1/2	14228	14225
SG-44L2	1/8	1/2	1/8	2	17853	17850
SG-44L3	1/8	1/2	1/8	3	17878	17875
SG-81	3/16	1/2	3/16	2	14328	14325
SG-53	3/16	1/2	1/8	1-1/2	14278	14275
SG-1	1/4	5/8	1/4	2	13853	13850
SG-1L6	1/4	1/2	1/4	6-1/2	16628	16625
SG-51	1/4	1/2	1/8	2	14253	14250
SG-2	5/16	3/4	1/4	2-1/2	13878	13875
SG-3	3/8	3/4	1/4	2-1/2	13903	13900
SG-3L6	3/8	3/4	1/4	6-3/4	16653	16650
SG-13	1/2	3/4	1/4	2-1/2	14053	14050
SG-5	1/2	1	1/4	2-3/4	13928	13925
SG-5L6	1/2	1	1/4	7	16678	16675
*SG-6	5/8	1	1/4	2-3/4	13953	13950
*SG-7	3/4	1	1/4	2-3/4	14003	14000
*SG-15	3/4	1-1/2	1/4	3-1/4	14103	14100



## Flame Shape Burs



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional cut – Complete Bur Regrind Service Available  
 \* 3/8"/8 mm shanks optional.

## Limas rotativas en forma de llama



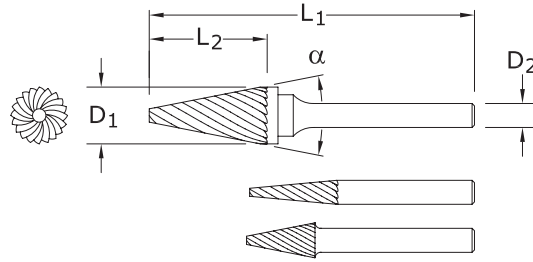
Carburo sólido – Para ordenar cortes opcionales 4, 3SP, 2, y 5 : Especifique la cantidad, no. de herramienta y tipo de corte opcional – Disponemos de un servicio completo de reafilado de limas rotativas  
 \* Mango de 3/8"/8 mm opcional.

## Fraises-limes en forme de flamme



Carbure monobloc – 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  
 \* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Double Cut EDP No.	Single Cut EDP No.
SH-41	1/8	1/4	1/8	1-1/2	14553	14550
SH-41L2	1/8	1/4	1/8	2	17903	17900
SH-41L3	1/8	1/4	1/8	3	17928	17925
SH-53	3/16	3/8	1/8	1-1/2	14603	14600
SH-1	1/4	5/8	1/4	2	14378	14375
SH-2	5/16	3/4	1/4	2-1/2	14403	14400
SH-2L6	5/16	3/4	1/4	6-3/4	16703	16700
SH-5	1/2	1-1/4	1/4	3	14428	14425
SH-5L6	1/2	1-1/4	1/4	7-1/4	16728	16725
*SH-6	5/8	1-7/16	1/4	3-1/5	14453	14450
*SH-7	3/4	1-5/8	1/4	3-3/8	14503	14500



### Cone Shape Burs



Solid Carbide – To Order Optional Cuts 4, 3SP, 2, 5 – Specify Quantity, Tool No. & Optional Cut – Complete Bur Regrind Service Available  
\* 3/8"/8 mm shanks optional.

### Limas rotativas cónicas



Carburo sólido – 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  
\* Mango de 3/8"/8 mm opcional.

### Fraises-limes de forme conique



Carbure monobloc – 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  
\* Queue de 3/8"/8 mm en option.

Tool No.	Cutter Diameter $d_1$	Length of Cut $l_2$	Shank Diameter $d_2$	Overall Length $l_1$	Included Angle $a$	Double Cut EDP No.	Single Cut EDP No.
SM-61	3/32	1/4	3/32	1-1/4	10°	15803	15800
SM-41	1/8	11/32	1/8	1-1/2	12°	15678	15675
SM-42	1/8	7/16	1/8	1-1/2	14°	15703	15700
SM-42L2	1/8	7/16	1/8	2	14°	18053	18050
SM-42L3	1/8	7/16	1/8	3	14°	18078	18075
SM-43	1/8	5/8	1/8	1-1/2	7°	15728	15725
SM-53	3/16	1/2	1/8	1-1/2	16°	15778	15775
SM-1	1/4	1/2	1/4	2	22°	15503	15500
SM-51	1/4	1/2	1/8	2-1/9	22°	15753	15750
SM-2	1/4	3/4	1/4	2	14°	15528	15525
SM-3	1/4	1	1/4	2	10°	15553	15550
SM-4	3/8	5/8	1/4	2-1/2	28°	15578	15575
SM-5	1/2	7/8	1/4	2-3/4	28°	15603	15600
*SM-6	5/8	1	1/4	2-8/9	31°	15628	15625