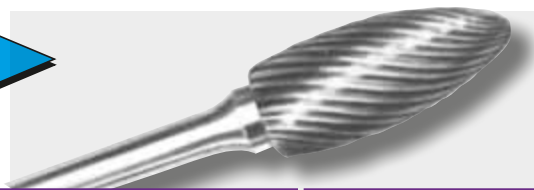




Carbide Burs

CUT SELECTION






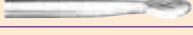
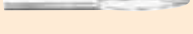




The cut or flute pattern is an important decision when using carbide burs. This is determined by the hardness of the material being removed and the finish required. Below are illustrations of the basic patterns that are available and the advantages of each.



 <p>#1 Standard Cut A general purpose pattern to be used on cast iron, steel and other ferrous metals.</p>	 <p>#4 Double Cut For use on heat treated and tough alloy steel. Produces a smaller chip and minimizes slivers in stringy material. Enables excellent control.</p>	 <p>#8 Chipbreaker Cut This pattern reduces chip size allowing an improvement in control.</p>
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Miniature Burs

1/8" Shank 1-1/2" OAL Solid Carbide "EC" denotes end cutting bur

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Bur Diameter	Length of Cut	Included Angle
  <p>END CUT</p>	SA-41-1	SA-41-4	1/16	1/14	—
	SA-42-1	SA-42-4	3/32	7/16	—
	SA-43-1	SA-43-4	1/8	9/16	—
	SB-41-1	SB-41-4	1/16	1/4	—
	SB-42-1	SB-42-4	3/32	7/16	—
	SB-43-1	SB-43-4	1/8	9/16	—
	SB-ECO	—	1/8	—	—
	SC-41-1	SC-41-4	3/32	7/16	—
	SC-42-1	SC-42-4	1/8	9/16	—
	SD-41-1	SD-41-4	3/32	3/32	—
	SD-42-1	SD-42-4	1/8	1/8	—
	SE-41-1	SE-41-4	1/8	1/4	—
	SF-41-1	SF-41-4	1/8	1/4	—
	SF-42-1	SF-42-4	1/8	1/2	—
	SG-41-1	SG-41-4	1/8	1/4	—
	SG-42-1	SG-42-4	1/8	5/16	—
	SG-43-1	SG-43-4	1/8	3/8	—
	SG-44-1	SG-44-4	1/8	1/2	—
	SH-41-1	SH-41-4	1/8	1/4	—
	SL-41-1	SL-41-4	1/8	3/8	8°
	SL-42-1	SL-42-4	1/8	1/2	8°
	SM-41-1	SM-41-4	1/8	11/32	12°
	SM-42-1	SM-42-4	1/8	7/16	14°
	SM-43-1	SM-43-4	1/8	5/8	7°
	SN-41-1	SN-41-4	3/32	1/8	10°
	SN-42-1	SN-42-4	1/8	3/16	10°
	SN-41-1EC	SN-41-4EC	3/32	1/8	10°
	SN-42-1EC	SN-42-4EC	1/8	3/16	10°

Miniature Burs

— 1/8" x 3" OAL solid carbide

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Bur Diameter	Length of Cut
	SA-43-1L3	SA-43-4L3	1/8	9/16
	SB-ECO-L3	—	1/8	—
	SC-42-1L3	SC-42-4L3	1/8	9/16
	SD-42-1L3	SD-42-4L3	1/8	1/8
	SF-42-1L3	SF-42-4L3	1/8	1/2

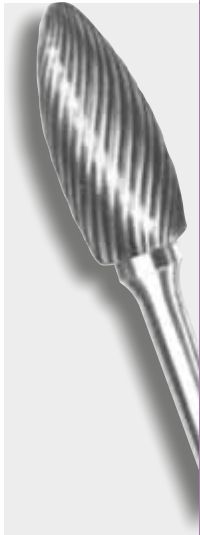


Carbide Burs

1/4" Burs

1/8" X 1-1/2" Long Steel Shank

"EC" denotes end cutting bur



Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut	Included Taper
	SA51-1	SA51-4	SA51-8	1/4	1/2	—
	SA51-1EC	SA51-4EC	SA51-8EC	1/4	1/2	—
	SB51-1	SB51-4	SB51-8	1/4	3/16	—
	SB51-1EC	SB51-4EC	SB51-8EC	1/4	3/16	—
	SC51-1	SC51-4	SC51-8	1/4	1/2	—
	SD51-1	SD51-4	SD51-8	1/4	1/4	—
	SE51-1	SE51-4	SE51-8	1/4	3/8	—
	SF51-1	SF51-4	SF51-8	1/4	1/2	—
	SG51-1	SG51-4	SG51-8	1/4	1/2	—
	SM51-1	SM51-4	SM51-8	1/4	1/2	22°
	SN51-1	SN51-4	SN51-8	1/4	1/4	10°
	SN51-1EC	SN51-4EC	SN51-8EC			

S.S. White Mini Carbide Dental Burs (HP)

— 3/32 Shanks (10 per pkg)

ROUND								WHEEL	INVERTED CONE				FLAT END FISSURE				ROUND END FISSURE	TAPER FISSURE			END CUTTING						
.020	.024	.032	.034	.047	.055	.063	.072	.081	.091	DISCONTINUED				DISCONTINUED				.039	.055	.063	.039	.047	.047	.063	.081	.039	957



Carbide Burs

— 3/32" Miniatures

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cut Diameter	Length of Cut
	SA-61-1	SA-61-4	1/16	1/4
	SA-63-1	SA-63-4	3/32	3/8
	SC-61-1	SC-61-4	3/32	3/8
	SD61-1	SD61-4	3/32	3/32
	SE-61-1	SE-61-4	3/32	1/8
	SF-61-1	SF-61-4	3/32	1/4
	SG-61-1	SG-61-4	3/32	1/4
	SM-61-1	SM-61-4	3/32	1/4
	SN-61-1	SN-61-4	3/32	1/8






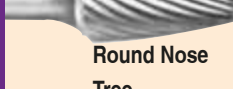
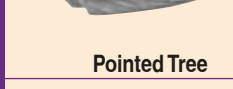
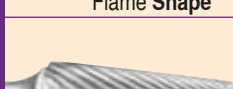



Carbide Burs

1/4" Shank Burs

- All 1/4" cutting diameter burs are solid & 2" overall.
- All others have solid carbide heads brazed to 2" long steel shanks.

Sizes marked with (*) are available on a 6" long steel shank as well. To order add "L6" to part number (example: SA-3-4L6).

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut	
 Cylindrical	*SA-1-1	*SA-1-4	SA-1-8	1/4	5/8	
	*SA-3-1	*SA-3-4	SA-3-8	3/8	3/4	
	*SA-5-1	*SA-5-4	SA-5-8	1/2	1"	
	SA-6-1	SA-6-4	SA-6-8	5/8	1"	
	SA-7-1	SA-7-4	SA-7-8	3/4	1"	
	SA-9-1	SA-9-4	SA-9-8	1"	1"	
 End Cutting Cylindrical	SB-1-1	SB-1-4	SB-1-8	1/4	5/8	
	SB-3-1	SB-3-4	SB-3-8	3/8	3/4	
	SB-5-1	SB-5-4	SB-5-8	1/2	1"	
	SB-6-1	SB-6-4	SB-6-8	5/8	1"	
	SB-7-1	SB-7-4	SB-7-8	3/4	1"	
	SB-9-1	SB-9-4	SB-9-8	1"	1"	
 Cylindrical Ball Nose	*SC-1-1	*SC-1-4	SC-1-8	1/4	5/8	
	*SC-3-1	*SC-3-4	SC-3-8	3/8	3/4	
	*SC-5-1	*SC-5-4	SC-5-8	1/2	1"	
	SC-6-1	SC-6-4	SC-6-8	5/8	1"	
	SC-7-1	SC-7-4	SC-7-8	3/4	1"	
	 Ball Shape	*SD-1-1	*SD-1-4	SD-1-8	1/4	1/4
*SD-3-1		*SD-3-4	SD-3-8	3/8	3/8	
*SD-5-1		*SD-5-4	SD-5-8	1/2	1/2	
SD-6-1		SD-6-4	SD-6-8	5/8	5/8	
SD-7-1		SD-7-4	SD-7-8	3/4	3/4	
SD-9-1		SD-9-4	SD-9-8	1"	1"	
 Egg Shape	*SE-1-1	*SE-1-4	SE-1-8	1/4	3/8	
	*SE-3-1	*SE-3-4	SE-3-8	3/8	5/8	
	*SE-5-1	*SE-5-4	SE-5-8	1/2	7/8	
	SE-6-1	SE-6-4	SE-6-8	5/8	1"	
	SE-7-1	SE-7-4	SE-7-8	3/4	1"	
	 Round Nose Tree	*SF-1-1	*SF-1-4	SF-1-8	1/4	5/8
*SF-3-1		*SF-3-4	SF-3-8	3/8	3/4	
*SF-5-1		*SF-5-4	SF-5-8	1/2	1"	
SF-6-1		SF-6-4	SF-6-8	5/8	1"	
SF-7-1		SF-7-4	SF-7-8	3/4	1"	
 Pointed Tree		*SG-1-1	*SG-1-4	SG-1-8	1/4	5/8
	*SG-3-1	*SG-3-4	SG-3-8	3/8	3/4	
	*SG-5-1	*SG-5-4	SG-5-8	1/2	1"	
	SG-6-1	SG-6-4	SG-6-8	5/8	1"	
	SG-7-1	SG-7-4	SG-7-8	3/4	1"	
	 Flame Shape	*SH-2-1	*SH-2-4	SH-2-8	5/16	3/4
*SH-5-1		*SH-5-4	SH-5-8	1/2	1-1/4	
SH-6-1		SH-6-4	SH-6-8	5/8	1-7/16	
SH-7-1		SH-7-4	SH-7-8	3/4	1-5/8	
 Corner Radius		*SL-1-1	*SL-1-4	SL-1-8	1/4	5/8
		*SL-3-1	*SL-3-4	SL-3-8	3/8	1-1/16
	*SL-4-1	*SL-4-4	SL-4-8	1/2	1-1/8	
	SL-6-1	SL-6-4	SL-6-8	5/8	1-5/16	
	SL-7-1	SL-7-4	SL-7-8	3/4	1-1/2	





Carbide Burs

- All 1/4" cutting diameter burs are solid & 2" overall.
- All others have solid carbide heads brazed to 2" long steel shanks.

Aluminum Cut Carbide Burs

For cutting softer non-ferrous metals and non-metallic materials such as: aluminum, magnesium alloys, plastics, hard rubber & zinc alloy.

1/4" Shank Burs - "EC" denotes end cutting

Shape	Cat. No. Cut #1	Cat. No. Cut #4	Cat. No. Cut #8	Head Diameter	Length of Cut	Included Taper
 Pointed Cone	SM-1-1	SM-1-4	SM-1-8	1/4	1/2	22
	SM-3-1	SM-3-4	SM-3-8	1/4	1"	10
	SM-4-1	SM-4-4	SM-4-8	3/8	5/8	28
	SM-5-1	SM-5-4	SM-5-8	1/2	7/8	28
	SN-1-1	SN-1-4	SN-1-8	1/4	5/16	10
 Inverted Taper	SN-1-1-EC	SN-1-4-EC	SN-1-8-EC	1/4	5/16	10
	SN-4-1	SN-4-4	SN-4-8	1/2	1/2	28
	SN-4-1-EC	SN-4-4-EC	SN-4-8-EC	1/2	1/2	28

Cat. No.	Size	Shank
SA1-NF	1/4 X 3/4	1/4
SA3-NF	3/8 x 3/4	1/4
SA5-NF	1/2 x 1"	1/4
SA6-NF	5/8 x 1"	1/4
SA7-NF	3/4 x 1"	1/4
SA7-NF38	3/4 x 1"	3/8



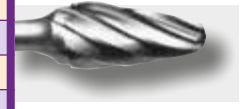
Cat. No.	Size	Shank
SE3-NF	3/8 x 3/4	1/4
SE5-NF	1/2 x 7/8	1/4
SE6-NF	5/8 x 1"	1/4
SE7-NF	3/4 x 1"	1/4
SE7-NF38	3/4 x 1"	3/8



Cat. No.	Size	Shank
SC1-NF	1/4 X 3/4	1/4
SC3-NF	3/8 x 3/4	1/4
SC5-NF	1/2 x 1"	1/4
SC7-NF	3/4 x 1"	1/4
SC7-NF38	3/4 x 1"	3/8



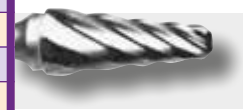
Cat. No.	Size	Shank
SF1-NF	1/4 X 3/4	1/4
SF3-NF	3/8 x 3/4	1/4
SF5-NF	1/2 x 1"	1/4
SF6-NF	5/8 x 1"	1/4
SF7-NF	3/4 x 1-1/4	1/4
SF7-NF38	3/4 x 1-1/4	3/8



Cat. No.	Size	Shank
SD1-NF	1/4	1/4
SD3-NF	3/8	1/4
SD5-NF	1/2	1/4
SD6-NF	5/8	1/4
SD7-NF	3/4	1/4
SD7-NF38	3/4	3/8



Cat. No.	Size	Shank
SL3-NF	3/8 x 1-1/16	1/4
SL4-NF	1/2 x 1-1/8	1/4
SL6-NF	5/8 x 1-5/16	1/4
SL7-NF	3/4 x 1-1/2	1/4
SL7-NF38	3/4 x 1-1/2	3/8



CARBIDE BLANKS Fractional Blanks

- Ground from solid carbide

Cat. No.	Diameter	Length
DB12150	1/8	1-1/2
DB12225	1/8	2-1/4
DB18200	3/16	2"
DB18275	3/16	2-3/4
DB18400	3/16	4"
DB25200	1/4	2"
DB25325	1/4	3-1/4
DB31200	5/16	2"
DB37250	3/8	2-1/2
DB50300	1/2	3"

Tolerance: +.0000 -.0005

CARBIDE BLANKS Etching, Engraving Blanks

- Ground from solid carbide

Catalog Number		Dimensions		
Single End	Double End	Diameter	OAL	Length of Flat
EB06SE	EB06DE	1/16	1-1/2	1/4
EB09SE	EB09DE	3/32	1-1/2	1/4
EB12SE	EB12DE	1/8	1-1/2	1/4
EB18SE	EB18DE	3/16	2"	3/8
EB25SE	EB25DE	1/4	2"	3/8
EB31SE	EB31DE	5/16	2"	1/2
EB37SE	EB37DE	3/8	2-1/2	1/2
EB50SE	EB50DE	1/2	2-1/2	1/2

Tolerance on flat: +.001 -.000