

ADVANCED

Carbide Tool Company

**Manufacturing and Repairing
of Carbide Burs**

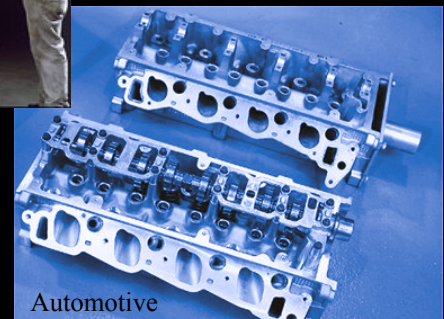
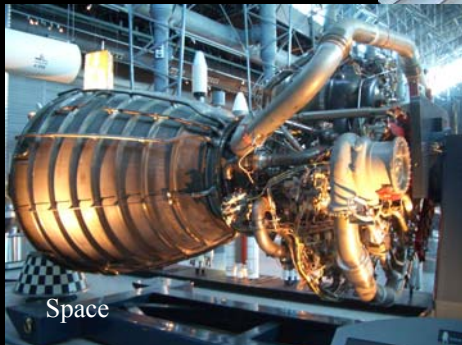
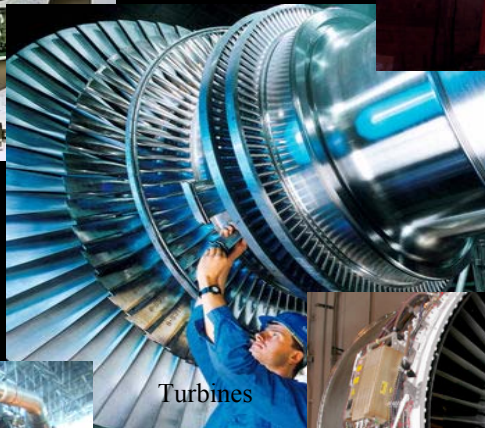


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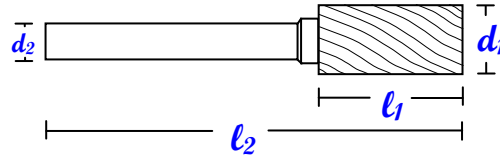
Catalog No. 8

Revised Jan 2012

Advanced Carbide Tool Company specializes in the manufacture and repair of carbide burs. Our products are used around the world throughout many industries including foundry, automotive, shipbuilding and in the manufacture and refurbishment of power generation and aircraft engines.



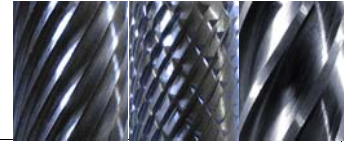
Cylindrical Shape



Tool Number on shank for reference only

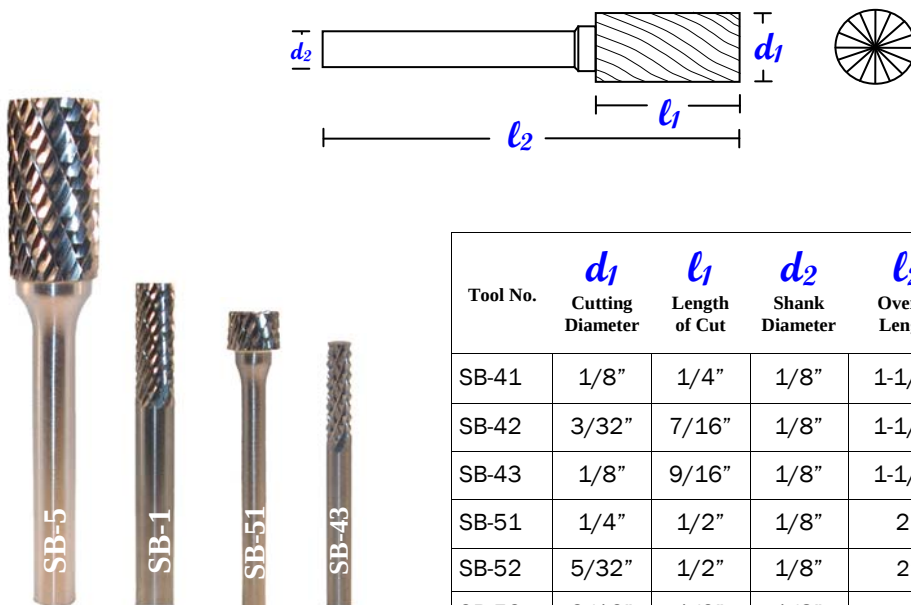
A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.



Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SA-41	1/8"	1/4"	1/8"	1-1/2"	SA41SC	SA41DC	—
SA-42	3/32"	7/16"	1/8"	1-1/2"	SA42SC	SA42DC	—
SA-43	1/8"	9/16"	1/8"	1-1/2"	SA43SC	SA43DC	—
SA-51	1/4"	1/2"	1/8"	2"	SA51SC	SA51DC	—
SA-52	5/32"	1/2"	1/8"	2"	SA52SC	SA52DC	—
SA-53	3/16"	1/2"	1/8"	2"	SA53SC	SA53DC	—
SA-61	1/16"	1/4"	3/32"	1-1/4"	SA61SC	SA61DC	—
SA-63	3/32"	3/8"	3/32"	1-1/4"	SA63SC	SA63DC	—
SA-81	3/16"	1/2"	3/16"	2"	SA81SC	SA81DC	—
SA-11	1/8"	1/2"	1/4"	2"	SA11SC	SA11DC	—
SA-12	1/8"	5/8"	1/4"	2"	SA12SC	SA12DC	—
SA-13	5/32"	5/8"	1/4"	2"	SA13SC	SA13DC	—
SA-14	3/16"	5/8"	1/4"	2"	SA14SC	SA14DC	—
SA-1	1/4"	5/8"	1/4"	2"	SA1SC	SA1DC	—
SA-1AL	1/4"	3/4"	1/4"	2"	—	—	SA1AL
SA-1L	1/4"	1"	1/4"	2"	SA1LSC	SA1LDC	—
SA-2	5/16"	3/4"	1/4"	2-3/4"	SA2SC	SA2DC	—
SA-3	3/8"	3/4"	1/4"	2-3/4"	SA3SC	SA3DC	SA3AL
SA-3L	3/8"	1"	1/4"	3"	SA3LSC	SA3LDC	—
SA-3X	3/8"	1-1/2"	1/4"	3-1/2"	SA3XSC	SA3XDC	—
SA-4	7/16"	1"	1/4"	3"	SA4SC	SA4DC	—
SA-5	1/2"	1"	1/4"	3"	SA5SC	SA5DC	SA5AL
SA-6	5/8"	1"	1/4"	3"	SA6SC	SA6DC	SA6AL
SA-7	3/4"	1"	1/4"	3"	SA7SC	SA7DC	SA7AL
SA-9	1"	1"	1/4"	3"	SA9SC	SA9DC	—

Cylindrical Shape Bur with End Cut



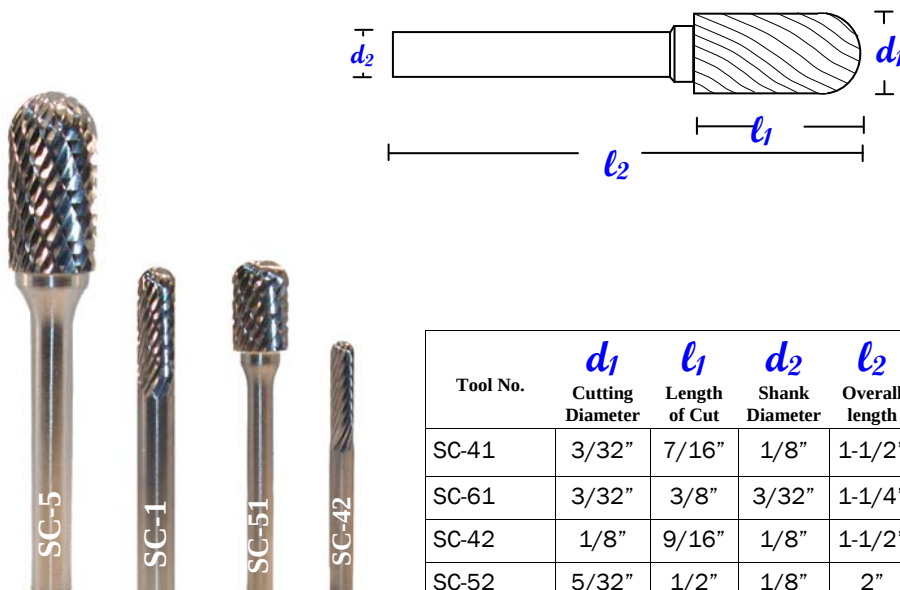
Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SB-41	1/8"	1/4"	1/8"	1-1/2"	SB41SC	SA41DC	—
SB-42	3/32"	7/16"	1/8"	1-1/2"	SA42SC	SB42DC	—
SB-43	1/8"	9/16"	1/8"	1-1/2"	SB43SC	SB43DC	—
SB-51	1/4"	1/2"	1/8"	2"	SB51SC	SB51DC	—
SB-52	5/32"	1/2"	1/8"	2"	SB52SC	SB52DC	—
SB-53	3/16"	1/2"	1/8"	2"	SB53SC	SB53DC	—
SB-61	1/16"	1/4"	3/32"	1-1/4"	SB61SC	SB61DC	—
SB-63	3/32"	3/8"	3/32"	1-1/4"	SB63SC	SB63DC	—
SB-81	3/16"	1/2"	3/16"	2"	SB81SC	SB81DC	—
SB-11	1/8"	1/2"	1/4"	2"	SB11SC	SB11DC	—
SB-12	1/8"	5/8"	1/4"	2"	SB12SC	SB12DC	—
SB-13	5/32"	5/8"	1/4"	2"	SB13SC	SB13DC	—
SB-14	3/16"	5/8"	1/4"	2"	SB14SC	SB14DC	—
SB-1	1/4"	5/8"	1/4"	2"	SB1SC	SB1DC	—
SB-1BL	1/4"	3/4"	1/4"	2"	—	—	SB1BL
SB-1L	1/4"	1"	1/4"	2"	SB1LSC	SB1LDC	—
SB-2	5/16"	3/4"	1/4"	2-3/4"	SB2SC	SB2DC	—
SB-3	3/8"	3/4"	1/4"	2-3/4"	SB3SC	SB3DC	SB3AL
SB-3L	3/8"	1"	1/4"	3"	SB3LSC	SB3LDC	—
SB-3X	3/8"	1-1/2"	1/4"	3-1/2"	SB3XSC	SB3XDC	—
SB-4	7/16"	1"	1/4"	3"	SB4SC	SB4DC	—
SB-5	1/2"	1"	1/4"	3"	SB5SC	SB5DC	SB5AL
SB-6	5/8"	1"	1/4"	3"	SB6SC	SB6DC	SA6AL
SB-7	3/4"	1"	1/4"	3"	SB7SC	SB7DC	SB7AL
SB-9	1"	1"	1/4"	3"	SB9SC	SB9DC	—

Cylindrical Shape - Radius End



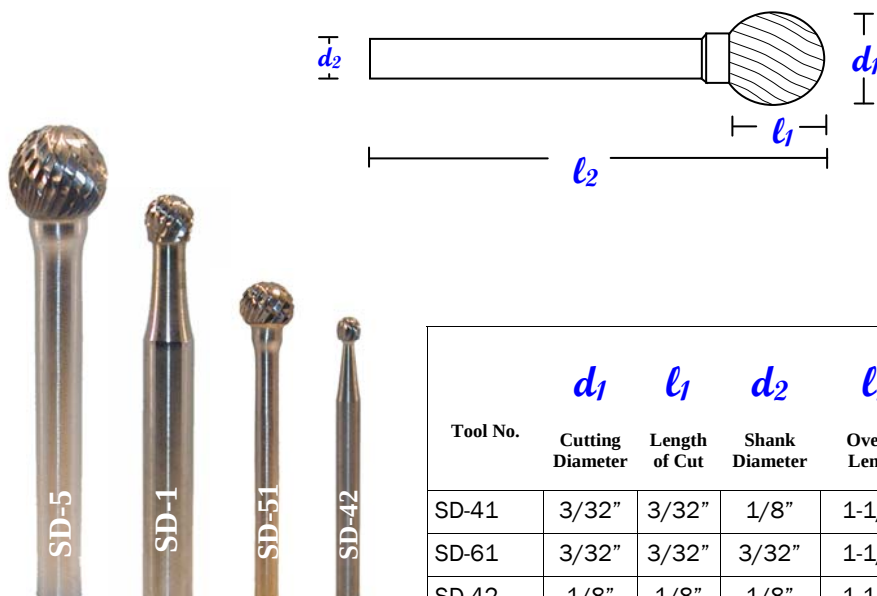
Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall length	Single Cut EDP No	Double Cut EDP No.	Aluminum Cut EDP No.
SC-41	3/32"	7/16"	1/8"	1-1/2"	SC1SC	SC41DC	—
SC-61	3/32"	3/8"	3/32"	1-1/4"	SC61SC	SC61DC	—
SC-42	1/8"	9/16"	1/8"	1-1/2"	SC42SC	SC42DC	—
SC-52	5/32"	1/2"	1/8"	2"	SC52SC	SC52DC	—
SC-53	3/16"	1/2"	1/8"	3"	SC53SC	SC53DC	—
SC-11	1/8"	1/2"	1/4"	2"	SC11SC	SC11DC	—
SC-12	1/8"	5/8"	1/4"	2"	SC12SC	SC12DC	—
SC-13	5/32"	5/8"	1/4"	2"	SC13SC	SC13DC	—
SC-14	3/16"	5/8"	1/4"	2"	SC14SC	SC14DC	—
SC-81	3/16"	1/2"	3/16"	2"	SC81SC	SC81DC	—
SC-51	1/8"	1/2"	1/8"	2"	SC51SC	SC51DC	—
SC-1	1/4"	5/8"	1/4"	2"	SC1SC	SC1DC	—
SC-1L	1/4"	1"	1/4"	2"	SC1LSC	SC1LDC	—
SC-1AL	1/4"	3/4"	1/4"	2"	—	—	SC1AL
SC-2	5/16"	3/4"	1/4"	2-3/4"	SC2SC	SC2DC	—
SC-3	3/8"	3/4"	1/4"	2-3/4"	SC3SC	SC3DC	SC3AL
SC-4	7/16"	1"	1/4"	3"	SC4SC	SC4DC	—
SC-5	1/2"	1"	1/4"	3"	SC5SC	SC5DC	SC5AL
SC-6	5/8"	1"	1/4"	3"	SC6SC	SC6DC	SC6AL
SC-7	3/4"	1"	1/4"	3"	SC7SC	SC7DC	SC7AL
SC-15	3/4"	1/2"	1/4"	3"	SC15SC	SC15DC	—
SC-8	7/8"	1"	1/4"	3"	SC8SC	SC8DC	—
SC-9	1"	1"	1/4"	3"	SC9SC	SC9DC	—

BALL SHAPE



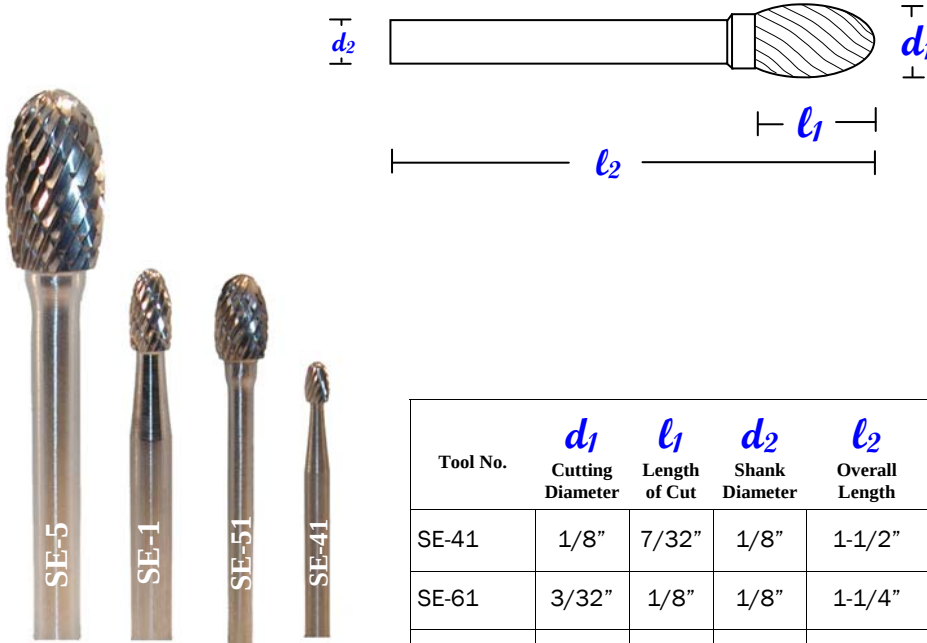
Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No	Double Cut EDP No.	Aluminum Cut EDP No.
SD-41	3/32"	3/32"	1/8"	1-1/2"	SD41SC	SD41DC	—
SD-61	3/32"	3/32"	3/32"	1-1/4"	SD61SC	SD61DC	—
SD-42	1/8"	1/8"	1/8"	1-1/2"	SD42SC	SD42DC	—
SD-53	3/16"	5/32"	1/8"	1-11/16"	SD-53SC	SD53DC	—
SD-11	1/8"	3/32"	1/4"	2"	SD11SC	SD11DC	—
SD-14	3/16"	1/8"	1/4"	2"	SD14SC	SD14DC	—
SD-81	3/16"	5/32"	3/16"	2"	SD81SC	SD81DC	—
SD-1	1/4"	7/32"	1/4"	2"	SD1SC	SD1DC	SD1AL
SD-2	5/16"	1/4"	1/4"	2-5/16"	SD2SC	SD2DC	—
SD-3	3/8"	5/16"	1/4"	2-3/8"	SD3SC	SD3DC	SD3AL
SD-4	7/16"	3/8"	1/4"	2-7/16"	SD4SC	SD4DC	—
SD-5	1/2"	7/16"	1/4"	1-7/16"	SD5SC	SD5DC	SD5AL
SD-6	5/8"	9/16"	1/4"	2-9/16"	SD6SC	SD6DC	SD6AL
SD-7	3/4"	11/16"	1/4"	2-11/16"	SD7SC	SD7DC	SD7AL
SD-9	1"	15/16"	1/4"	2-15/16"	SD9SC	SD9DC	—

Oval Shape



Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

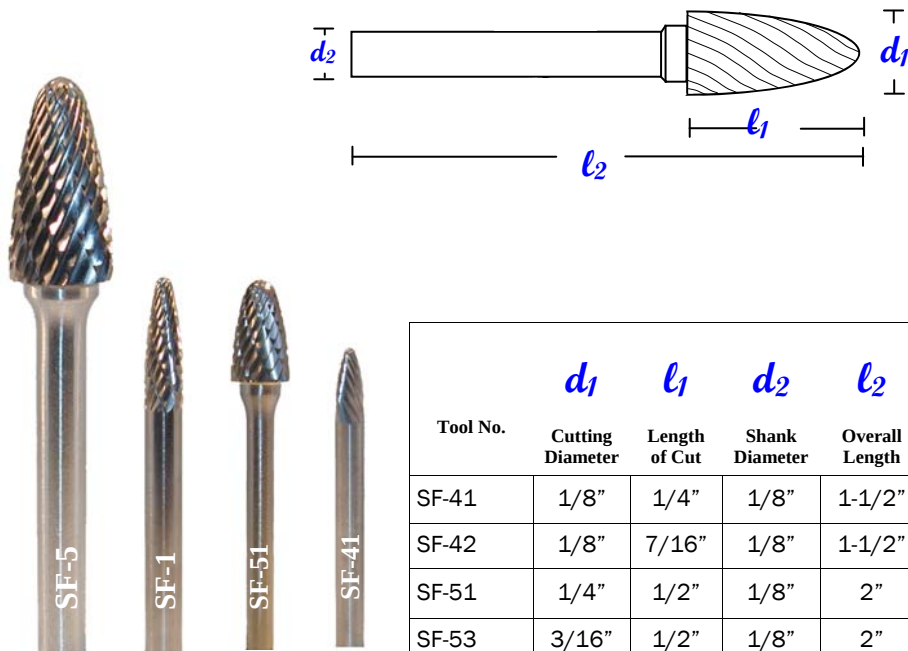
To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No	Double Cut EDP No.	Aluminum Cut EDP No.
SE-41	1/8"	7/32"	1/8"	1-1/2"	SE41SC	SE41DC	—
SE-61	3/32"	1/8"	1/8"	1-1/4"	SE61SC	SE61DC	—
SE-51	1/4"	3/8"	1/8"	1-7/8"	SE51SC	SE51DC	—
SE-53	3/16"	9/32"	1/8"	1-25/32"	SE53SC	SE53DC	—
SE-81	3/16"	9/32"	3/16"	2"	SE81SC	SE81DC	—
SE-1	1/4"	3/8"	1/4"	2"	SE1SC	SE1DC	—
SE-3	3/8"	5/8"	1/4"	2-5/8"	SE3SC	SE3DC	SE3AL
SE-5	1/2"	7/8"	1/4"	2-7/8"	SE5SC	SE5DC	SE5AL
SE-6	5/8"	1"	1/4"	3"	SE6SC	SE6DC	SE6AL
SE-7	3/4"	1"	1/4"	3"	SE7SC	SE7DC	SE7AL

Tree Shape

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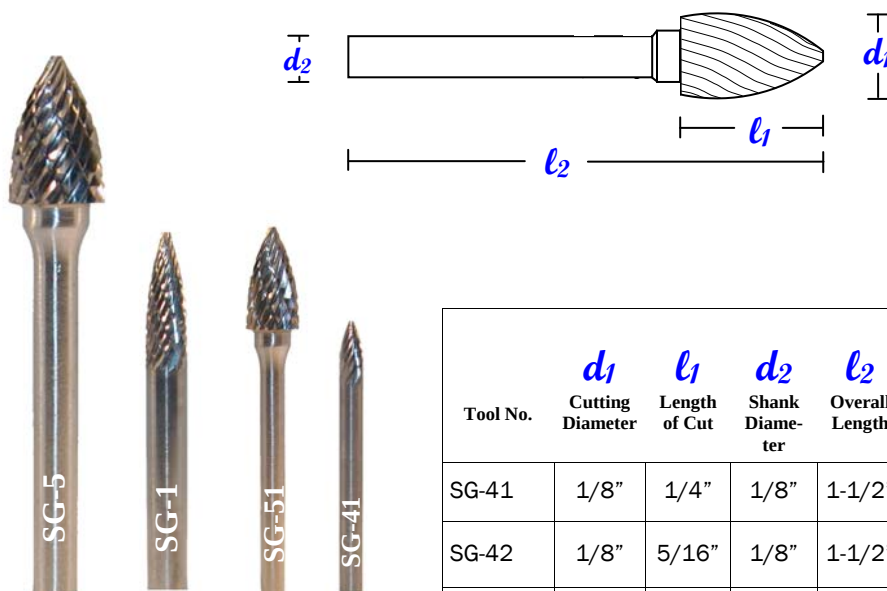
Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SF-41	1/8"	1/4"	1/8"	1-1/2"	SF41SC	SF41DC	—
SF-42	1/8"	7/16"	1/8"	1-1/2"	SF42SC	SF42DC	—
SF-51	1/4"	1/2"	1/8"	2"	SF51SC	SF51DC	—
SF-53	3/16"	1/2"	1/8"	2"	SF53SC	SF53DC	—
SF-61	3/32"	1/4"	3/32"	1-1/4"	SF61SC	SF61DC	—
SF-81	3/16"	1/2"	3/16"	2"	SF81SC	SF81DC	—
SF-11	1/8"	1/2"	1/4"	2"	SF11SC	SF11DC	—
SF-1	1/4"	5/8"	1/4"	2"	SF1SC	SF1DC	—
SF-1AL	1/4"	3/4"	1/4"	2"	—	—	SF1AL
SF-3	3/8"	3/4"	1/4"	2-3/4"	SF3SC	SF3DC	SF3AL
SF-4	7/16"	1"	1/4"	3"	SF4SC	SF4DC	—
SF-5	1/2"	1"	1/4"	3"	SF5SC	SF5DC	—
SF-13	1/2"	3/4"	1/4"	2-3/4"	SF13SC	SF13DC	—
SF-6	5/8"	1"	1/4"	3"	SF6SC	SF6DC	SF6AL
SF-7	3/4"	1"	1/4"	3"	SF7SC	SF7DC	—
SF-14	3/4"	1-1/4"	1/4"	3-1/4"	SF14SC	SF14DC	SF14AL
SF-15	3/4"	1-1/2"	1/4"	3-1/2"	SF15SC	SF15DC	—

Pointed Tree Shape



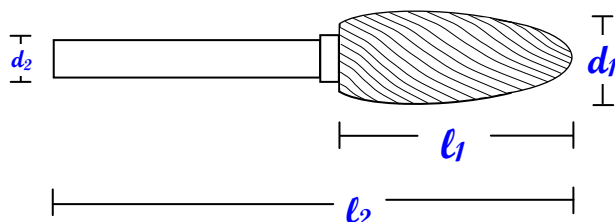
Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SG-41	1/8"	1/4"	1/8"	1-1/2"	SG41SC	SG41DC	—
SG-42	1/8"	5/16"	1/8"	1-1/2"	SG42SC	SG42DC	—
SG-43	1/8"	3/8"	1/8"	1-1/2"	SG43SC	SG43DC	—
SG-44	1/8"	1/2"	1/8"	1-1/2"	SG44SC	SG44DC	—
SG-51	1/4"	1/2"	1/8"	2"	SG51SC	SG51DC	—
SG-53	3/16"	1/2"	1/8"	2"	SG53SC	SG53DC	—
SG-61	3/32"	1/4"	3/32"	1-1/4"	SG61SC	SG61DC	—
SG-81	3/16"	1/2"	3/16"	2"	SG81SC	SG81DC	—
SG-1	1/4"	5/8"	1/4"	2"	SG1SC	SG1DC	—
SG-2	5/16"	3/4"	1/4"	2-3/4"	SG2SC	SG2DC	—
SG-3	3/8"	3/4"	1/4"	2-3/4"	SG3SC	SG3DC	—
SG-5	1/2"	1"	1/4"	2-1/2"	SG5SC	SG5DC	—
SG-13	1/2"	3/4"	1/4"	2-3/4"	SG13SC	SG13DC	—
SG-6	5/8"	1"	1/4"	2-5/8"	SG6SC	SG6DC	—
SG-7	3/4"	1"	1/4"	3"	SG7SC	SG7DC	—
SG-15	3/4"	1-1/2"	1/4"	3-1/2"	SG15SC	SG15DC	—

Flame Shape



Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

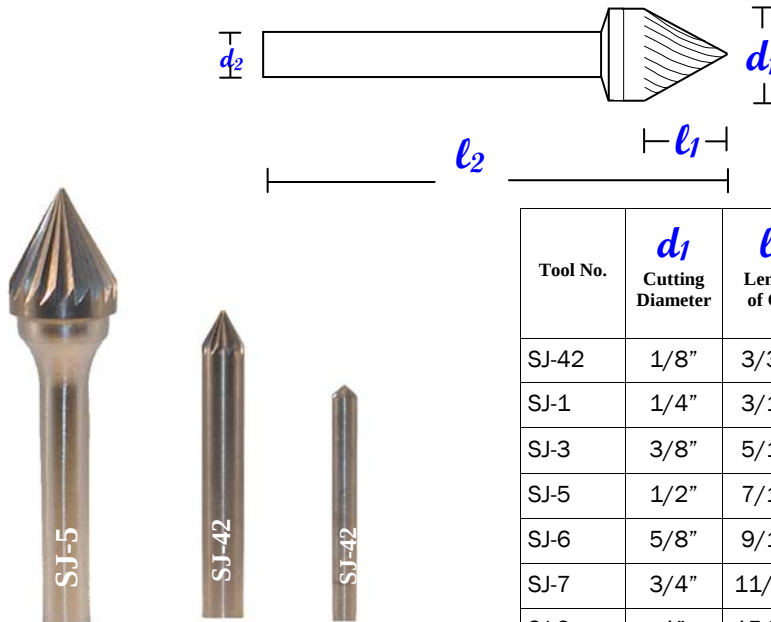
To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SH-41	1/8"	1/4"	1/8"	1-1/2"	SH41SC	SH41DC	—
SH-53	3/16"	3/8"	1/8"	1-7/8"	SH53SC	SH53DC	—
SH-1	1/4"	5/8"	1/4"	2"	SH1SC	SH1DC	—
SH-2	5/16"	3/4"	1/4"	2-3/4"	SH2SC	SH2DC	SH2AL
SH-5	1/2"	1-1/4"	1/4"	3-1/4"	SH5SC	SH5DC	SH5AL
SH-6	5/8"	1-7/16"	1/4"	3-7/16"	SH6SC	SH6DC	SH6AL
SH-7	3/4"	1-5/8"	1/4"	3-5/8"	SH7SC	SH7DC	SH7AL

60° Cone Shape

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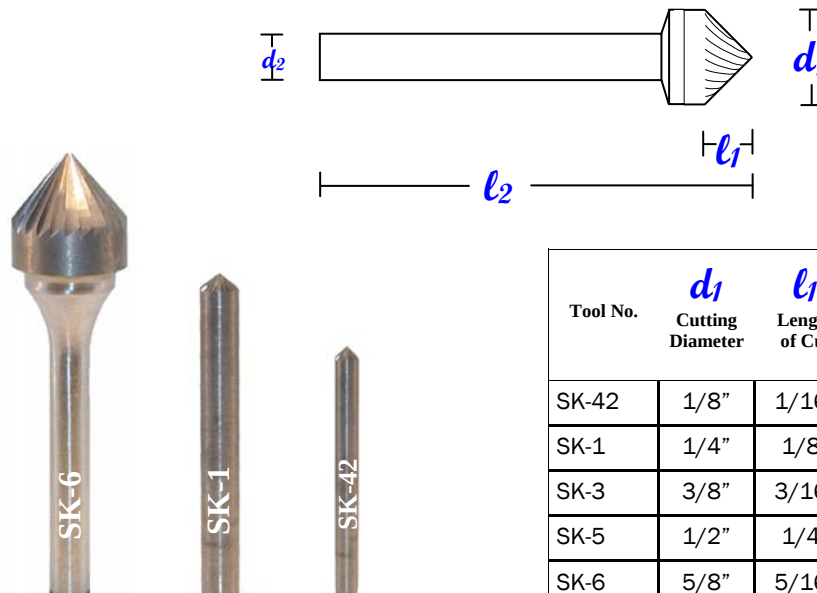
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Tool Number on shank for reference only

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No
SJ-42	1/8"	3/32"	1/8"	1-1/2"	SJ42SC
SJ-1	1/4"	3/16"	1/4"	2"	SJ1SC
SJ-3	3/8"	5/16"	1/4"	2 1/8"	SJ3SC
SJ-5	1/2"	7/16"	1/4"	2-9/16"	SJ5SC
SJ-6	5/8"	9/16"	1/4"	2-3/4"	SJ6SC
SJ-7	3/4"	11/16"	1/4"	2-7/8"	SJ7SC
SJ-9	1"	15/16"	1/4"	3"	SJ9SC

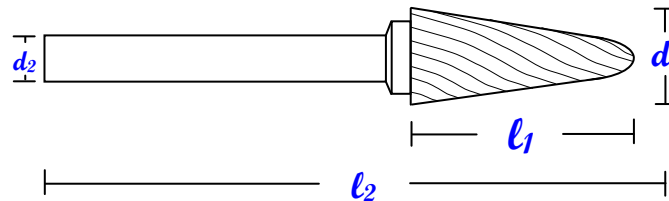
90° Cone Shape



Tool Number on shank for reference only

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	Single Cut EDP No
SK-42	1/8"	1/16"	1/8"	1-1/2"	SK42SC
SK-1	1/4"	1/8"	1/4"	2"	SK1SC
SK-3	3/8"	3/16"	1/4"	2-1/8"	SK3SC
SK-5	1/2"	1/4"	1/4"	2-1/4"	SK5SC
SK-6	5/8"	5/16"	1/4"	2-1/2"	SK6SC
SK-7	3/4"	3/8"	1/4"	2-5/8"	SK7SC
SK-9	1"	1/2"	1/4"	2-11/16"	SK9SC

14° Tapered Cone Shape - Radius End



Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	°	Single Cut EDP No	Double Cut EDP No.	Aluminum Cut EDP No.
SL-41	1/8"	3/8"	1/8"	1-1/2"	8°	SL41SC	SL41DC	—
SL-42	1/8"	1/2"	1/8"	1-1/2"	8°	SL42SC	SL42DC	—
SL-53	3/16"	3/8"	1/8"	1-11/16"	14°	SL53SC	SL53DC	—
SL-81	3/16"	7/16"	3/16"	2"	14°	SL81SC	SL81DC	—
SL-1	1/4"	5/8"	1/4"	2"	14°	SL1SC	SL1DC	—
SL-2	5/16"	7/8"	1/4"	2-7/8"	14°	SL2SC	SL2DC	—
SL-3	3/8"	1-1/16"	1/4"	3-1/16"	14°	SL3SC	SL3DC	SL3AL
SL-4	1/2"	1-1/8"	1/4"	3-1/8"	14°	SL4SC	SL4DC	SL4AL
SL-5	5/8"	1-3/16"	1/4"	3-3/16"	14°	SL5SC	SL5DC	SL5AL
SL-6	5/8"	1-5/16"	1/4"	3-5/16"	14°	SL6SC	SL6DC	SL6AL
SL-7	3/4"	1-1/2"	1/4"	3-1/2"	14°	SL7SC	SL7DC	SL7AL

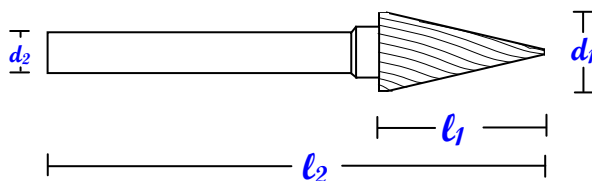
Cone Shape



Tool Number on shank for reference only

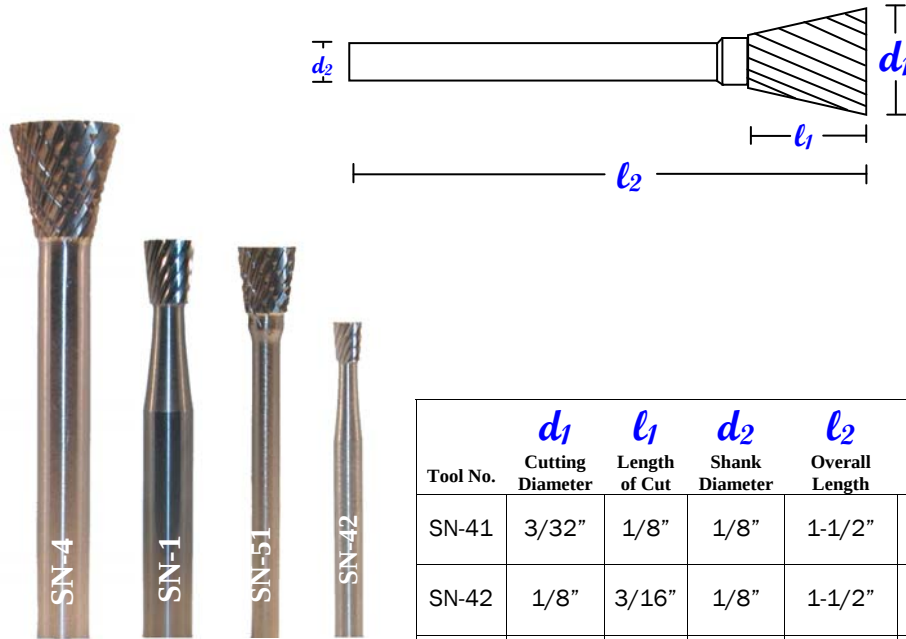
A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.



Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	ϕ	Single Cut EDP No.	Double Cut EDP No.	Aluminum Cut EDP No.
SM-41	1/8"	11/32"	1/8"	1-1/2"	12°	SM41SC	SM41DC	—
SM-42	1/8"	7/16"	1/8"	1-1/2"	14°	SM42SC	SM42DC	—
SM-43	1/8"	5/8"	1/8"	1-1/2"	14°	SM43SC	SM43DC	—
SM-51	1/4"	1/2"	1/8"	2"	22°	SM51SC	SM51DC	—
SM-53	3/16"	1/2"	1/8"	2"	16°	SM53SC	SM53DC	—
SM-61	3/32"	1/2"	3/32"	1-1/4"	12°	SM61SC	SM61DC	—
SM-1	1/4"	1/2"	1/4"	2"	22°	SM1SC	SM1DC	—
SM-2	1/4"	3/4"	1/4"	2"	14°	SM2SC	SM2DC	—
SM-3	1/4"	1"	1/4"	2"	10°	SM3SC	SM3DC	—
SM-4	3/8"	5/8"	1/4"	2-5/8"	28°	SM4SC	SM4DC	—
SM-5	1/2"	7/8"	1/4"	2-7/8"	28°	SM5SC	SM5DC	—
SM-6	5/8"	1"	1/4"	3"	31°	SM6SC	SM6DC	—

Inverted Cone Shape



Tool Number on shank for reference only

A 3/8" shank is recommended for all burs larger than 1/2" in diameter.

To order optional cuts (page 18), please specify the tool number and the type of cut.

Tool No.	d_1 Cutting Diameter	l_1 Length of Cut	d_2 Shank Diameter	l_2 Overall Length	°	Single Cut EDP No	Double Cut EDP No.	Aluminum Cut EDP No.
SN-41	3/32"	1/8"	1/8"	1-1/2"	10°	SN41SC	SN41DC	—
SN-42	1/8"	3/16"	1/8"	1-1/2"	10°	SN42SC	SN42DC	—
SN-51	1/4"	1/4"	1/8"	1-3/4"	10°	SN51SC	SN51DC	—
SN-53	3/16"	1/4"	1/8"	1-11/16"	22°	SN53SC	SN53DC	—
SN-61	3/32"	1/8"	3/32"	1-1/4"	-	SN61SC	SN61DC	—
SN-81	1/4"	1/2"	1/4"	2"	-	SN81SC	SN81DC	—
SN-1	1/4"	5/16"	1/4"	2"	10°	SN1SC	SN1DC	—
SN-2	3/8"	3/8"	1/4"	2-3/8"	13°	SN2SC	SN2DC	—
SN-4	1/2"	1/2"	1/4"	2-1/2"	28°	SN4SC	SN4DC	—
SN-6	5/8"	3/4"	1/4"	2-3/4"	18°	SN6SC	SN6DC	—
SN-7	3/4"	5/8"	1/4"	2-5/8"	30°	SN7SC	SN7DC	—

Fiber Glass Routers - Solid Carbide



FGR-5A

Style A
No End Cut

Tool No.	Cutting Dia.	Shank Dia.	Flute Length	Overall length
FGR-1A	1/16"	1/8"	3/16"	1-1/2"
FGR-2A	3/32"	1/8"	3/8"	1-1/2"
FGR-3A	1/8"	1/8"	1/2"	1-1/2"
FGR-4A	3/16"	3/16"	5/8"	2"
FGR-4-1A	3/16"	1/4"	5/8"	2"
FGR-5A	1/4"	1/4"	3/4"	2"
FGR-5-1A	1/4"	1/4"	3/4"	2-1/2"
FGR-5-2A	1/4"	1/4"	1"	3"
FGR-6A	5/16"	5/16"	1"	2-1/2"
FGR-7A	3/8"	3/8"	1"	2-1/2"
FGR-8A	1/2"	1/2"	1"	3"



FGR-5B

Style B
Bur End Cut

Tool No.	Cutting Dia.	Shank Dia.	Flute Length	Overall length
FGR-1B	1/16"	1/8"	3/16"	1-1/2"
FGR-2B	3/32"	1/8"	3/8"	1-1/2"
FGR-3B	1/8"	1/8"	1/2"	1-1/2"
FGR-4B	3/16"	3/16"	5/8"	2"
FGR-4-1B	3/16"	1/4"	5/8"	2"
FGR-5B	1/4"	1/4"	3/4"	2"
FGR-5-1B	1/4"	1/4"	3/4"	2-1/2"
FGR-5-2B	1/4"	1/4"	1"	3"
FGR-6B	5/16"	5/16"	1"	2-1/2"
FGR-7B	3/8"	3/8"	1"	2-1/2"
FGR-8B	1/2"	1/2"	1"	3"



FGR-5C

Style C
End Mill End Cut

Tool No.	Cutting Dia.	Shank Dia.	Flute Length	Overall length
FGR-1C	1/16"	1/8"	3/16"	1-1/2"
FGR-2C	3/32"	1/8"	3/8"	1-1/2"
FGR-3C	1/8"	1/8"	1/2"	1-1/2"
FGR-4C	3/16"	3/16"	5/8"	2"
FGR-4-1C	3/16"	1/4"	5/8"	2"
FGR-5C	1/4"	1/4"	3/4"	2"
FGR-5-1C	1/4"	1/4"	3/4"	2-1/2"
FGR-5-2C	1/4"	1/4"	1"	3"
FGR-6C	5/16"	5/16"	1"	2-1/2"
FGR-7C	3/8"	3/8"	1"	2-1/2"
FGR-8C	1/2"	1/2"	1"	3"



FGR-5D

Style D
135° Drill Point

Tool No.	Cutting Dia.	Shank Dia.	Flute Length	Overall length
FGR-1D	1/16"	1/8"	3/16"	1-1/2"
FGR-2D	3/32"	1/8"	3/8"	1-1/2"
FGR-3D	1/8"	1/8"	1/2"	1-1/2"
FGR-4D	3/16"	3/16"	5/8"	2"
FGR-4-1D	3/16"	1/4"	5/8"	2"
FGR-5D	1/4"	1/4"	3/4"	2"
FGR-5-1D	1/4"	1/4"	3/4"	2-1/2"
FGR-5-2D	1/4"	1/4"	1"	3"
FGR-6D	5/16"	5/16"	1"	2-1/2"
FGR-7D	3/8"	3/8"	1"	2-1/2"
FGR-8D	1/2"	1/2"	1"	3"

Long Shank Carbide Burs



Long Shank Burs are available in diameters of 1/8, 1/4", 5/16" and 3/8" with shank lengths up to 36" in length.

Specialized tools for Turbine Manufacture and Turbine Repair

Tools designed for Borescope applications to remove imperfections deep in castings.

Designed for High Nickel Alloys, Stainless Steel and Inconel. Special cuts developed to improve tool life.

Reciprocating Files, small diameter flex shank burs and .030 - .062 diameter solid carbide burs used to remove material in very difficult locations..



Carbide Wheels



FLAT SIDE			
	Tool No.	Diameter	Thickness
	SW-1	1/4"	3/32"
	SW-2	5/16"	3/32"
	SW-3	3/8"	1/8"
	SW-4	1/2"	1/8"
	SW-5	5/8"	1/8"
	SW-6	3/4"	5/32"
	SW-7	7/8"	5/32"
	SW-8	1"	3/16"



RADIUS SIDE			
	Tool No.	Diameter	Thickness
	SWR-1	1/4"	3/32"
	SWR-2	5/16"	3/32"
	SWR-3	3/8"	1/8"
	SWR-4	1/2"	1/8"
	SWR-5	5/8"	1/8"
	SWR-6	3/4"	5/32"
	SWR-7	7/8"	5/32"
	SWR-8	1"	3/16"

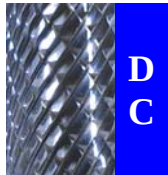
Flexible Shank Carbide Burs



Available in shank sizes;
1/8" (.125), 3/16" (.1875),
1/4" (.250) and 3/8" (.375)

Specify Tool No. and shank
diameter when ordering.

TYPES OF CUTS



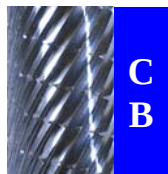
Double Cut: The double cut allows for rapid stock removal. Very efficient stock removal. Good Finish. Excellent Operator Control. Creates a small chip.



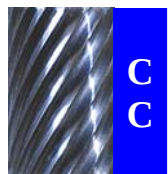
Single Cut: General Purpose Fluting. Designed for cast iron, steel and other ferrous materials. Good material removal and finish.



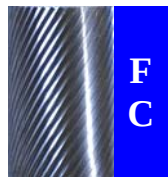
Aluminum Cut: For nonferrous materials. Aggressive stock removal.



Chipbreaker Cut: Reduces sliver size. Improves operator control. Slightly reduced surface finish.



Coarse Cut: Fast material removal in soft materials.



Fine Cut: For general use on hard materials requiring a smooth finish. Operator Control is improved.

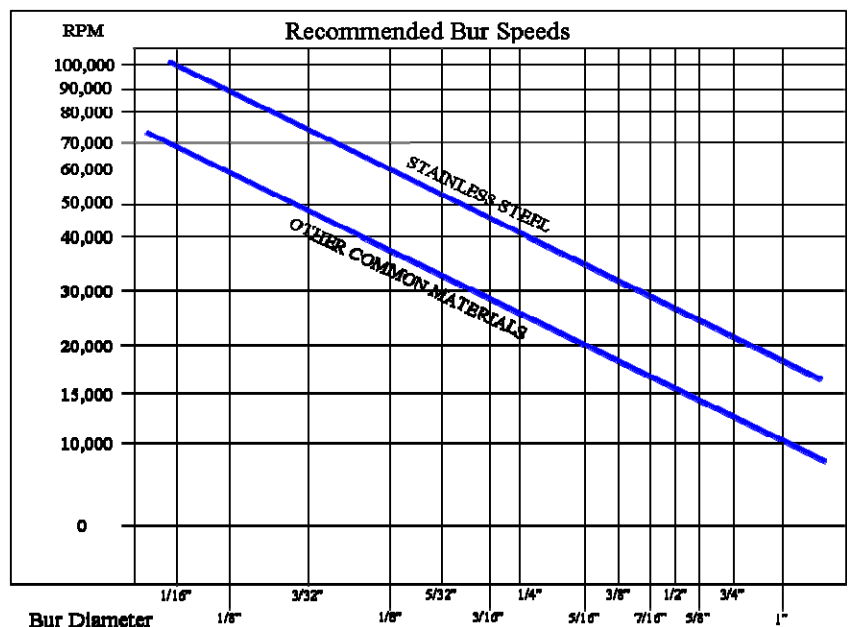


Diamond Cut: Very effective on heat treated and tough alloy steels. Produces very small chips.

Carbide Bur Application and Speed Recommendations.

							
MATERIALS	DC	SC	AL	CB	CC	FC	DIA
Aluminum			•				
Brass. Bronze. Copper	•	•		•			
Carbon Fiber		•					
Fiberglass							•
Cast Iron	•	•		•			
Plastics					•		
Hard Rubber		•					
Steel 40-55 Rc	•	•		•		•	•
Steel 55-60 Rc	•	•		•		•	•
Carbon Steel	•	•		•			
Nickel Chrome Steel	•	•		•			•
Stainless Steel	•	•		•		•	
Weldments Steel	•	•		•			
Titanium	•	•		•			
Zinc			•		•		

Burs with shanks over 2" in length should operate at lower speeds.





Carbide Bur Repair Program

Save up to 85% in tool costs!



- **All Brands Resharpened**
- **Competitive Pricing**
- **Fast Turnaround**
- **20 piece trial repair order at no charge.**

GUARANTEED TO PERFORM - ALL REPAIRED TOOLS WILL WORK AS WELL OR BETTER THAN YOUR CURRENT SOURCE OR YOUR MONEY BACK.

ADVANCED

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<http://advancedcarbide.com>

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