

# SOLID CARBIDE NF BURS

ICS USA

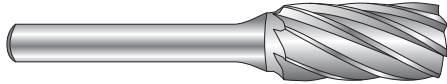
SPECIAL PURPOSE

CNC GROUND

Solid Carbide NF Burs are designed with a milling cutter relief style of flute grind for fast stock removal and easy chip flow with minimum loading. For use on non-ferrous metals, aluminum, reinforced plastics, and other soft, sticky materials.

Zirconium Nitride Coated Solid Carbide NF Burs are the ideal choice for maximizing bur life in long production runs, especially aluminum. As an investment, they cost about 14% more, and produce an average 300% improvement over uncoated tools when machining above materials.

### CYLINDER SHAPE



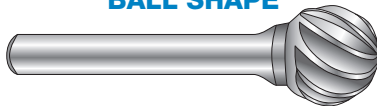
SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
1/4	3/4	1/4	24.50	28.98	SA-1
3/8	3/4	1/4	32.80	38.72	SA-3
1/2	1	1/4	48.08	54.00	SA-5
5/8	1	1/4	73.18	83.78	SA-6
3/4	1	1/4	100.54	112.76	SA-7

### CYLINDER SHAPE - RADIUS END



SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
1/4	3/4	1/4	24.50	28.98	SC-1
3/8	3/4	1/4	32.80	38.72	SC-3
1/2	1	1/4	48.08	54.00	SC-5
5/8	1	1/4	73.18	83.78	SC-6
3/4	1	1/4	100.54	112.76	SC-7

### BALL SHAPE



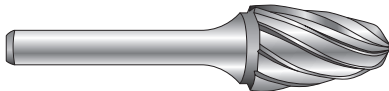
SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
1/4	3/16	1/4	24.22	28.72	SD-1
3/8	5/16	1/4	27.02	32.94	SD-2
1/2	7/16	1/4	36.84	44.60	SD-5
5/8	9/16	1/4	66.56	80.48	SD-6
3/4	11/16	1/4	112.52	130.38	SD-7

### OVAL SHAPE



SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
3/8	5/8	1/4	35.54	41.46	SE-3
1/2	7/8	1/4	43.76	49.70	SE-5
5/8	1	1/4	78.78	89.36	SE-6
3/4	1	1/4	104.98	117.18	SE-7
3/4	1	1/4	108.92	-	SE-7A

### TREE SHAPE - RADIUS END



SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
1/4	3/4	1/4	24.50	28.98	SF-1
3/8	3/4	1/4	34.74	40.66	SF-3
1/2	1	1/4	48.70	48.70	SF-5
5/8	1	1/4	70.02	80.60	SF-6
3/4	1-1/4	1/4	96.38	108.58	SF-714

### 14° TAPER - RADIUS END



SIZE	FLUTE LENGTH	SHANK	PRICE		ITEM NO. SUFFIX
			SOLID CARBIDE	ZrN COATED	
			SCBNF	SCBNFZ	
3/8	1-1/16	1/4	44.46	50.40	SL-3
1/2	1-1/8	1/4	61.30	67.22	SL-4
5/8	1-3/16	1/4	98.48	109.06	SL-5
5/8	1-5/16	1/4	111.58	122.16	SL-6
3/4	1-1/2	1/4	130.84	143.04	SL-7

TO ORDER  
 SPECIFY ITEM NO. COMBINATION  
 EXAMPLE: SCBNF-SA-1 is a 1/4 Cylinder Shape NF Bur

Unless otherwise specified, all burs are Double Cut.  
 Plain Cut and Chipbreaker are also available at the same price as Double Cut.