

# BURR MONSTER<sup>®</sup>

CATALOG



# BURR MONSTER®



## SINGLE CUT

Standard cut is a general purpose geometry designed for cast iron, steel, copper and brass, and other ferrous materials. This geometry provides good material removal and work piece finishes.



## DOUBLE CUT

The most popular burr style for ferrous applications. The flutes are ground in both the left and right hand directions, offering better operator control and rapid stock removal in harder materials. The double cut geometry reduces the size of the chips and can be used at slower than normal speeds.



## ALUMA CUT

Designed for use on aluminum, non-ferrous metals, soft steel, reinforced plastics, and other soft materials. The burrs are designed with a high flute finish for easy chip flow and fast stock removal and excellent work piece finishes.



### APPLICATIONS

MATERIAL	SINGLE CUT	DOUBLE CUT	ALUMA CUT
ALUMINUM			✓
BRASS	✓	✓	
BRONZE	✓	✓	
COPPER	✓	✓	
CAST IRON	✓	✓	
PLASTICS			✓
STEEL (40-55 RC)	✓	✓	
STEEL (55-60 RC)	✓	✓	
STEEL (CARBON)	✓	✓	
STEEL (NICKEL CHROME)	✓	✓	
STAINLESS STEEL	✓	✓	
STEEL WELDMENTS	✓	✓	
TITANIUM	✓	✓	
ZINC			✓

### RECOMMENDED RPM

DIA	STANDARD MATERIALS	STAINLESS STEEL
1/16	72500	97500
3/32	65500	89000
1/8	56000	76000
5/32	46000	70000
3/16	40000	65500
1/4	35000	61000
5/16	28000	47500
3/8	25000	43000
7/16	22000	40000
1/2	18800	34000
5/8	17000	28000
3/4	14900	22000
1"	12600	18500

REDUCE SPEEDS FOR LONG SHANK BURRS

**NOTE: All recommendations are considered as starting parameters only**

## SC



### CYLINDER SHAPE - RADIUS END

#### Applications:

- Surface Milling
- Contouring



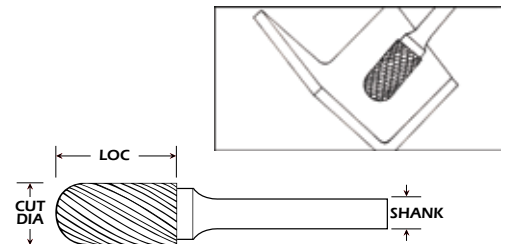
**SINGLE CUT**



**DOUBLE CUT**



**ALUMA CUT**



TOOL	CUT DIA	LOC	SHANK DIA	SINGLE CUT	DOUBLE CUT	ALUMA
SC-61	3/32	3/8	3/32	310-001060	310-002060	
SC-41	3/32	7/16	1/8	310-001061	310-002061	
SC-42	1/8	9/16	1/8	310-001063	310-002063	
SC-42L2	1/8	9/16	1/8	310-006075	310-006100	
SC-42L3	1/8	9/16	1/8	310-001063A	310-002732	
SC-11	1/8	1/2	1/4	310-001062C	310-002062C	
SC-12	1/8	5/8	1/4	310-001062D	310-002062D	
SC-52	5/32	1/2	1/8	310-001070	310-002070	
SC-13	5/32	5/8	1/4	310-001065C	310-002065C	
SC-53	3/16	1/2	1/8	310-001066	310-002066	
SC-81	3/16	5/8	3/16	310-001067	310-002067	
SC-14	3/16	5/8	1/4	310-001068C	310-002068C	
SC-51	1/4	1/2	1/8	310-001069	310-002069	
SC-1	1/4	5/8	1/4	310-001071C	310-002072C	
SC-1L	1/4	1	1/4	310-001250	310-002250	
SC-1L6	1/4	1/2	1/4	310-002605	310-002705	
SC-1NF	1/4	5/8	1/4			310-002519
SC-2	5/16	3/4	1/4	310-001072	310-002071	
SC-3	3/8	3/4	1/4	310-001073	310-002073	
SC-3L	3/8	1	1/4	310-001940	310-002940	
SC-3L6	3/8	3/4	1/4	310-002606	310-002706	
SC-3X	3/8	1-1/2	1/4	310-001706X	310-002706X	
SC-3NF	3/8	3/4	1/4			310-002503
SC-4	7/16	1	1/4	310-001074	310-002074	
SC-5	1/2	1	1/4	310-001075	310-002075	
SC-5L6	1/2	1	1/4	310-002607	310-002707	
SC-5NF	1/2	1	1/4			310-002504
SC-6	5/8	1	1/4	310-001076	310-002076	
SC-6NF	5/8	1	1/4			310-002505
SC-15	3/4	1/2	1/4	310-001068A	310-002068A	
SC-16	3/4	3/4	1/4	310-001078A	310-002078A	
SC-7	3/4	1	1/4	310-001077	310-002077	
SC-7NF	3/4	1	1/4			310-002525
SC-9	1	1	1/4	310-001079	310-002078	

Applications:

- Engraving
- Dremel-type tools



SINGLE CUT



DOUBLE CUT

## MOLD, TOOL & DIE MAKING

	TOOL	CUT DIA	LOC	SHANK DIA	OAL	INCLUDED ANGLE	SINGLE CUT	DOUBLE CUT
	SA-41	1/16	1/4	1/8	1-1/2		310-001002	310-002002
	SA-41L2	1/16	1/4	1/8	2		310-001002B	310-002002B
	SA-41L3	1/16	1/4	1/8	3		310-00100C	310-002002C
	SA-42	3/32	7/16	1/8	1-1/2		310-001004	310-002004
	SA-42L2	3/32	7/16	1/8	2		310-001004B	310-002004B
	SA-42L3	3/32	7/16	1/8	3		310-001004A	310-002004A
	SA-43	1/8	9/16	1/8	1-1/2		310-001006	310-002006
	SA-43L2	1/8	9/16	1/8	2		310-006025	310-006050
	SA-43L3	1/8	9/16	1/8	3		310-002631	310-002006A
	SB-41	1/16	1/4	1/8	1-1/2		310-001031	310-002031
	SB-41L2	1/16	1/4	1/8	2		310-001056	310-002056
	SB-41L3	1/16	1/4	1/8	3		310-001057	310-002057
	SB-42	3/32	7/16	1/8	1-1/2		310-001033	310-002033
	SB-42L2	3/32	7/16	1/8	2		310-001033A	310-002033A
	SB-42L3	3/32	7/16	1/8	3		310-001033B	310-002033B
	SB-43	1/8	9/16	1/8	1-1/2		310-001035	310-002035
	SB-43L2	1/8	9/16	1/8	2		310-001035E	310-002035A
	SB-43L3	1/8	9/16	1/8	3		310-001036A	310-002036A
	SC-41	3/32	7/16	1/8	1-1/2		310-001061	310-002061
	SC-42	1/8	9/16	1/8	1-1/2		310-001063	310-002063
	SC-42L2	1/8	9/16	1/8	2		310-006075	310-006100
	SC-42L3	1/8	9/16	1/8	3		310-001063A	310-002732
	SD-41	3/32	3/32	1/8	1-1/2		310-001081	310-002081
	SD-42	1/8	1/8	1/8	1-1/2		310-001082	310-002082
	SD-42L2	1/8	1/8	1/8	2		310-006125	310-006150
	SD-42L3	1/8	1/8	1/8	3		310-001082A	310-002733
	SE-41	1/8	7/32	1/8	1-1/2		310-001100	310-002100
	SE-41L2	1/8	7/32	1/8	2		310-006175	310-006200
	SE-41L3	1/8	7/32	1/8	3		310-001100B	310-002100A
	SF-41	1/8	1/4	1/8	1-1/2		310-001110	310-002110
	SF-42	1/8	1/2	1/8	1-1/2		310-001111	310-002111
	SF-42L2	1/8	1/2	1/8	2		310-006225	310-006250
	SF-42L3	1/8	1/2	1/8	3		310-001146	310-002735
	SG-41	1/8	1/4	1/8	1-1/2		310-001130	310-002130
	SG-42	1/8	5/16	1/8	1-1/2		310-001131	310-002131
	SG-43	1/8	3/8	1/8	1-1/2		310-001132	310-002132
	SG-44	1/8	1/2	1/8	1-1/2		310-001145	310-002145
	SG-44L2	1/8	1/2	1/8	2		310-006275	310-006300
	SG-44L3	1/8	1/2	1/8	3		310-006875	310-006900
	SH-41	1/8	1/4	1/8	1-1/2		310-001150	310-002150
	SH-41L2	1/8	1/4	1/8	2		310-006325	310-006350
	SH-41L3	1/8	1/4	1/8	3		310-002637	310-002737
	SJ-42	1/8	3/32	1/8	1-1/2	60°	310-001160	310-002160
	SK-42	1/8	1/16	1/8	1-1/2	90°	310-001169	310-002169
	SL-41	1/8	3/8	1/8	1-1/2	14°	310-001180	310-002180
	SL-42	1/8	1/2	1/8	1-1/2	14°	310-001181	310-002181
	SL-42L2	1/8	1/2	1/8	2	14°	310-001181A	310-002181A
	SL-42L3	1/8	1/2	1/8	3	14°	310-002640	310-002740
	SM-41	1/8	11/32	1/8	1-1/2	12°	310-001191	310-002191
	SM-42	1/8	7/16	1/8	1-1/2	14°	310-001192	310-002192
	SM-42L2	1/8	7/16	1/8	2	14°	310-001192A	310-002192A
	SM-42L3	1/8	7/16	1/8	3	14°	310-001192B	310-002192B
	SM-43	1/8	5/8	1/8	1-1/2	7°	310-001193	310-002193
	SN-41	3/32	1/8	1/8	1-1/2	10°	310-001221	310-002221
	SN-42	1/8	3/16	1/8	1-1/2	10°	310-001222	310-002222