

BURR MONSTER[®]

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



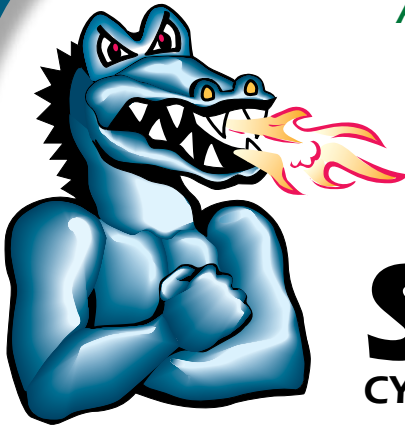
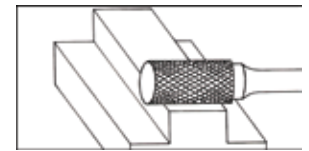
SINGLE CUT



DOUBLE CUT



ALUMA CUT



Applications:
• Deburring



SA CYLINDER SHAPE - NO END CUT

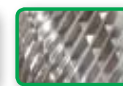
TOOL	CUT DIA	LOC	SHANK DIA	SINGLE CUT	DOUBLE CUT	ALUMA
SA-61	1/16	1/4	3/32	310-001001	310-002001	
SA-41	1/16	1/4	1/8	310-001002	310-002002	
SA-41L2	1/16	1/4	1/8	310-001002B	310-002002B	
SA-41L3	1/16	1/4	1/8	310-00100C	310-002002C	
SA-63	3/32	3/8	3/32	310-001007	310-002007	
SA-42	3/32	7/16	1/8	310-001004	310-002004	
SA-42L2	3/32	7/16	1/8	310-001004B	310-002004B	
SA-42L3	3/32	7/16	1/8	310-001004A	310-002004A	
SA-43	1/8	9/16	1/8	310-001006	310-002006	
SA-43L2	1/8	9/16	1/8	310-006025	310-006050	
SA-43L3	1/8	9/16	1/8	310-002631	310-002006A	
SA-11	1/8	1/2	1/4	310-001005C	310-002005C	
SA-12	1/8	5/8	1/4	310-001005D	310-002005D	
SA-52	5/32	1/2	1/8	310-001008	310-002008	
SA-13	5/32	5/8	1/4	310-001009	310-002009C	
SA-53	3/16	1/2	1/8	310-001010	310-002010	
SA-81	3/16	5/8	3/16	310-001011	310-002011	
SA-14	3/16	5/8	1/4	310-001012C	310-002012C	
SA-51	1/4	1/2	1/8	310-001015	310-002015	
SA-1	1/4	5/8	1/4	310-001017C	310-002017C	
SA-1L	1/4	1	1/4	310-001936	310-002936	
SA-1L6	1/4	1/2	1/4	310-002601	310-002701	
SA-1NF	1/4	5/8	1/4			310-002518
SA-2	5/16	3/4	1/4	310-001018	310-002018	
SA-3	3/8	3/4	1/4	310-001019	310-002019	
SA-3L	3/8	1	1/4	310-001937	310-002937	
SA-3L6	3/8	3/4	1/4	310-002602	310-002702A	
SA-3X	3/8	1-1/2	1/4	310-001702X	310-002702X	
SA-3NF	3/8	3/4	1/4			310-002500
SA-4	7/16	1	1/4	310-001020	310-002020	
SA-5	1/2	1	1/4	310-001021	310-002021	
SA-5L6	1/2	1	1/4	310-002603	310-002703	
SA-5NF	1/2	1	1/4			310-002501
SA-6	5/8	1	1/4	310-001022	310-002022	
SA-6NF	5/8	1	1/4			310-002502
SA-15	3/4	1/2	1/4	310-001023	310-002023	
SA-16	3/4	3/4	1/4	310-001024	310-002024	
SA-7	3/4	1	1/4	310-001025	310-002025	
SA-7NF	3/4	1	1/4			310-002539
SA-8	7/8	1	1/4	310-001025A	310-002025A	
SA-9	1	1	1/4	310-001026	310-002026	

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