

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

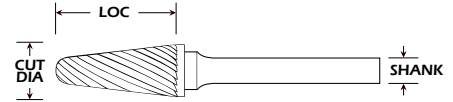


ALUMA CUT



Applications:

- Surface Machining
- Narrow Contours & Surfaces



SL

TAPER SHAPE RADIUS - 14° INCLUDED ANGLE


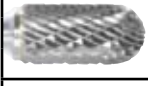






TOOL	CUT DIA	LOC	SHANK DIA	SINGLE CUT	DOUBLE CUT	ALUMA
SL-41	1/8	3/8	1/8	310-001180	310-002180	
SL-42	1/8	1/2	1/8	310-001181	310-002181	
SL-42L2	1/8	1/2	1/8	310-001181A	310-002181A	
SL-42L3	1/8	1/2	1/8	310-002640	310-002740	
SL-53	3/16	1/2	1/8	310-001182	310-002182	
SL-81	3/16	1/2	3/16	310-001183	310-002183	
SL-1	1/4	5/8	1/4	310-001184	310-002184	
SL-1L6	1/4	5/8	1/4	310-002625	310-002725	
SL-2	5/16	7/8	1/4	310-001185	310-002185	
SL-3	3/8	1-1/16	1/4	310-001186	310-002186	
SL-3L6	3/8	1-1/16	1/4	310-002626	310-002726	
SL-3NF	3/8	1-1/16	1/4			310-002515
SL-4	1/2	1-1/8	1/4	310-001187	310-002187	
SL-4L6	1/2	1-1/8	1/4	310-001187B	310-002187B	
SL-4NF	1/2	1-1/8	1/4			310-002516
SL-5	5/8	1-3/16	1/4	310-001188	310-002188	
SL-5NF	5/8	1-3/16	1/4			310-003007
SL-6	5/8	1-5/16	1/4	310-001179	310-002179	
SL-6NF	5/8	1-5/16	1/4			310-002517
SL-7	3/4	1-1/2	1/4	310-001189	310-002189	
SL-7NF	3/4	1-1/2	1/4			310-004303

Coating upon request in
TiN, TiCN, TiAlN & ZrN





LONG SHANK BURRS

	TOOL	CUT DIA	LOC	SHANK DIA	SINGLE CUT	DOUBLE CUT
	SA-1L6	1/4	1/2	1/4	310-002601	310-002701
	SA-3L6	3/8	3/4	1/4	310-002602	310-002702A
	SA-5L6	1/2	1	1/4	310-002603	310-002703
	SC-1L6	1/4	1/2	1/4	310-002605	310-002705
	SC-3L6	3/8	3/4	1/4	310-002606	310-002706
	SC-5L6	1/2	1	1/4	310-002607	310-002707
	SD-1L6	1/4	7/32	1/4	310-002609	310-002709
	SD-3L6	3/8	5/16	1/4	310-002610	310-002710
	SD-5L6	1/2	7/16	1/4	310-002611	310-002711
	SE-1L6	1/4	3/8	1/4	310-002613	310-002713
	SE-3L6	3/8	5/8	1/4	310-002614	310-002714
	SE-5L6	1/2	7/8	1/4	310-005020	310-002715
	SF-1L6	1/4	1/2	1/4	310-002617	310-002717
	SF-3L6	3/8	3/4	1/4	310-002618	310-002718
	SF-5L6	1/2	1	1/4	310-002619	310-002719
	SG-1L6	1/4	1/2	1/4	310-002621	310-002721
	SG-3L6	3/8	3/4	1/4	310-002622	310-002722
	SG-5L6	1/2	1	1/4	310-002623	310-002723
	SH-2L6	5/16	3/4	1/4	310-002629	310-002729
	SH-5L6	1/2	1-1/4	1/4	310-002630	310-002730
	SL-1L6	1/4	5/8	1/4	310-002625	310-002725
	SL-3L6	3/8	1-1/16	1/4	310-002626	310-002726
	SL-4L6	1/2	1-1/8	1/4	310-001187B	310-002187B

Applications:
 • Hard to reach areas

Coating upon request in TiN, TiCN, TiAlN & ZrN



SINGLE CUT



DOUBLE CUT

MONSTER TOOL COMPANY

www.monstertool.com