

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



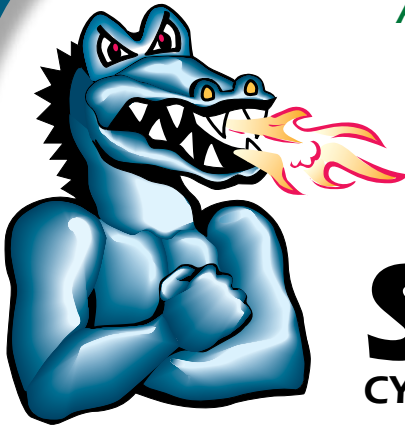
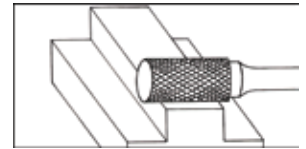
SINGLE CUT



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 | |