

**U<sup>®</sup> A** **UNITED**  
**ABRASIVES**  
**SAIT<sup>®</sup>**



# Tungsten Carbide Burs



AMERICAN MADE



INDUSTRIAL GRADE

## FEATURES

- Tungsten carbide construction for long life and precision cutting
- Highest quality construction for proper balance which delivers vibration-free operation
- Made in the U.S.A.

## APPLICATIONS

- Use for deburring and finishing on ferrous and non-ferrous metals
- Excellent for confined or hard-to-reach areas
- Shaping and enlarging holes in steel
- Removing welds
- Smoothing castings

## DOUBLE CUT (ALTERNATE CUT)

- The most popular bur in ferrous applications
- Manufactured with cuts on the left and right spirals
- Produces a finer finish on material with smaller chips and slivers
- Smoother operation and greater tool control



## NON-FERROUS (ALUMINUM CUT)

- A more open, aggressive cut to avoid loading on softer materials
- Outstanding stock removal on aluminum, magnesium, copper, soft steel, brass, zinc alloys, hard rubber, most plastics, and nonferrous metals
- Easy chip flow with little or no clogging



## CARBIDE BUR OPERATING TIPS

- During heavy use, periodically dipping the bur in lubricant is recommended for cooling
- The bur shank should not be allowed to contact the work piece
- Take care in storing the bur in its plastic container to avoid bur damage when not in use
- When working with burs, safety glasses should be worn

## MAXIMUM RECOMMENDED RPMS FOR CARBIDE BURS

FILE DIA.	RPM(1)	RPM(2)
1/4"	22,000	33,000
5/16"	20,000	30,000
3/8"	18,000	27,000
1/2"	16,000	24,000

Use RPM(1) for iron, steel welds, cast iron, tool steels, die steels, bronze, brass and aluminum.

Use RPM(2) for stainless steel.



MADE IN THE U.S.A.

## DOUBLE CUT (ALTERNATE CUT)

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SA1	1/4"	5/8"	1/4"	1	45000
SA3	3/8"	3/4"	1/4"	1	45001
SA5	1/2"	1"	1/4"	1	45002
SB1	1/4"	5/8"	1/4"	1	45111
SB3	3/8"	3/4"	1/4"	1	45004
SB5	1/2"	1"	1/4"	1	45113
SC1	1/4"	5/8"	1/4"	1	45005
SC3	3/8"	3/4"	1/4"	1	45006
SC5	1/2"	1"	1/4"	1	45007
SD1	1/4"	7/32"	1/4"	1	45010
SD3	3/8"	5/16"	1/4"	1	45011
SD5	1/2"	7/16"	1/4"	1	45012
SE1	1/4"	3/8"	1/4"	1	45015
SE5	1/2"	7/8"	1/4"	1	45016
SF1	1/4"	5/8"	1/4"	1	45020
SF3	3/8"	3/4"	1/4"	1	45021
SF5	1/2"	1"	1/4"	1	45022
SG1	1/4"	5/8"	1/4"	1	45030
SG3	3/8"	3/4"	1/4"	1	45031
SG5	1/2"	1"	1/4"	1	45032
SH1	1/4"	5/8"	1/4"	1	45115
SH2	5/16"	3/4"	1/4"	1	45116
SH5	1/2"	1-1/4"	1/4"	1	45117
SL1	1/4"	5/8"	1/4"	1	45025
SL3	3/8"	1-1/16"	1/4"	1	45026
SL4	1/2"	1-1/4"	1/4"	1	45027
SM1	1/4"	1/2"	1/4"	1	45035
SM2	1/4"	3/4"	1/4"	1	45036
SM4	3/8"	3/4"	1/4"	1	45037
SM5	1/2"	1"	1/4"	1	45038

## HEAVY DUTY

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SA5	1/2"	1"	1/4"	1	45125
SC5	1/2"	1"	1/4"	1	45130
SE5	1/2"	7/8"	1/4"	1	45135
SF3	3/8"	3/4"	1/4"	1	45140
SF5	1/2"	1"	1/4"	1	45145
SG5	1/2"	1"	1/4"	1	45150
SL3	3/8"	1-1/16"	1/4"	1	45155
SL4	1/2"	1-1/4"	1/4"	1	45160

## NON-FERROUS (ALUMINUM CUT)

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SA3NF	3/8"	3/4"	1/4"	1	45050
SA5NF	1/2"	1"	1/4"	1	45051
SC3NF	3/8"	3/4"	1/4"	1	45052
SF3NF	3/8"	3/4"	1/4"	1	45053
SF5NF	1/2"	1"	1/4"	1	45054
SL4NF	1/2"	1-1/8"	1/4"	1	45055

## 4" LENGTH SHANK DOUBLE CUT **\*\*NEW\*\***

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SD3L4	3/8"	5/16"	1/4"	1	45210
SC3L4	3/8"	3/4"	1/4"	1	45211
SF3L4	3/8"	3/4"	1/4"	1	45212
SG3L4	3/8"	3/4"	1/4"	1	45213
SL3L4	3/8"	1-1/16"	1/4"	1	45214
SA5L4	1/2"	1"	1/4"	1	45216
SG5L4	1/2"	1"	1/4"	1	45217
SF5L4	1/2"	1"	1/4"	1	45218
SE5L4	1/2"	7/8"	1/4"	1	45219
SH2L4	5/16"	3/4"	1/4"	1	45220

## 4" LENGTH SHANK **\*\*NEW\*\*** NON-FERROUS (ALUMINUM CUT)

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SF3NFL4	3/8"	3/4"	1/4"	1	45215

## 6" LENGTH SHANK

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SA3L6	3/8"	3/4"	1/4"	1	45603
SA5L6	1/2"	1"	1/4"	1	45605
SB1L6	1/4"	5/8"	1/4"	1	45611
SB3L6	3/8"	3/4"	1/4"	1	45613
SC3L6	3/8"	3/4"	1/4"	1	45623
SD1L6	1/4"	7/32"	1/4"	1	45631
SD3L6	3/8"	5/16"	1/4"	1	45633
SE5L6	1/2"	7/8"	1/4"	1	45645
SF3L6	3/8"	3/4"	1/4"	1	45653
SF5L6	1/2"	1"	1/4"	1	45655
SG3L6	3/8"	3/4"	1/4"	1	45663
SG5L6	1/2"	1"	1/4"	1	45665
SH2L6	5/16"	3/4"	1/4"	1	45672
SL3L6	3/8"	1-1/16"	1/4"	1	45683
SM3L6	1/4"	1"	1/4"	1	45693

## 6" LENGTH SHANK NON-FERROUS (ALUMINUM CUT)

TYPE	DIA	LENGTH	SHANK DIA	QTY	PART #
SC3NFL6	3/8"	3/4"	1/4"	1	45063
SD3NFL6	3/8"	5/16"	1/4"	1	45083
SF3NFL6	3/8"	3/4"	1/4"	1	45073

### TECH INFO

- Tungsten carbide construction for long life and durability
- High quality manufacturing method delivers vibration-free operation
- Precision ground with diamond wheels to produce a very sharp uniform cutting edge
- Each enclosed in individual plastic capsules for storage and protection



Die Grinder

# CARBIDE BUR DISPLAY CASE

## IDEAL FOR POP SELLING

### COUNTER DISPLAY

- Dimensions:  
9.5" L x 6.25" W x 12.25" H
- Occupies minimal counter space
- Holds up to 40 burs
- Locks for security
- Part #99998
- Free with a 50 bur order
- Call your sales representative to order



### WOODEN DISPLAY CASE

- Holds up to 8 burs
- Available for purchase
- Part #99046

