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# Introduction



The Magnum range of Solid Carbide Burs from Drillco are suitable for use in a wide range of materials including Steel, Stainless Steel, Aluminum, Magnesium, Cast Iron, Brass, Copper, and Plastic.

We offer a complete line of burs including Single Cut, Double Cut, Long Series, Miniature, and Aluminum Cut in all the different shapes. Available upon request are Diamond Cut Burs and Burs with Chip Breakers. Please contact our customer service team for price and availability.

Carbide burs are one of the most versatile cutting tools available in the market, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process.

Our range of burs are manufactured at our own state-of-the-art manufacturing facility, located in Baton Rouge, LA. Our manufacturing processes are modern, utilizing the newest technologies and CNC Machinery available today.



**Call us today. We have the quality bur you need.**



## For 35 years, Drillco has been providing industry with the highest quality cutting tools.

Our comprehensive product program, with over 10,000 SKU's, is backed by extensive inventory, friendly customer service, and strong field support.

**Our new and improved catalog features several new products, including:**

- TiN tipped jobber drills
- 3-flat shank jobber drills
- Multi-application spiral point and spiral flute taps
- Construction reamers
- AlTiN coated end mills

**Call for a copy of our new catalog, or download the PDF at [www.drillco-inc.com](http://www.drillco-inc.com)**



# Burs

## SOLID CARBIDE Magnum



**PACKAGING:**  
All sizes are individually packaged.

Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000A</b>			<b>CYLINDRICAL</b>		
SA-11	1/8"	1/4"	1/2"	7A108BSC	7A108BDC
SA-12	1/8"	1/4"	5/8"	7A108ASC	7A108ADC
SA-14	3/16"	1/4"	5/8"	7A112ASC	7A112ADC
SA-1	1/4"	1/4"	5/8"	7A116ASC	7A116ADC
SA-1L	1/4"	1/4"	1"	7A116BSC	7A116BDC
SA-2	5/16"	1/4"	3/4"	7A120ASC	7A120ADC
SA-2L	5/16"	1/4"	1"	7A120BSC	7A120BDC
SA-3	3/8"	1/4"	3/4"	7A124ASC	7A124ADC
SA-3L	3/8"	1/4"	1"	7A124BSC	7A124BDC
SA-3XL	3/8"	1/4"	1-1/2"	7A124CSC	7A124CDC
SA-4	7/16"	1/4"	1"	7A128BSC	7A128BDC
SA-5	1/2"	1/4"	1"	7A132BSC	7A132BDC
SA-6	5/8"	1/4"	1"	7A140BSC	7A140BDC
SA-16	3/4"	1/4"	3/4"	7A148ASC	7A148ADC
SA-7	3/4"	1/4"	1"	7A148BSC	7A148BDC
SA-9	1"	1/4"	1"	7A164BSC	7A164BDC
<b>SERIES 7000A</b>			<b>MINIATURE</b>		
SA-41	1/16"	1/8"	1/4"	70A041SC	70A041DC
SA-42	3/32"	1/8"	7/16"	70A042SC	70A042DC
SA-43	1/8"	1/8"	9/16"	70A043SC	70A043DC
SA-51	1/4"	1/8"	1/2"	70A051SC	70A051DC
SA-52	5/32"	1/8"	1/2"	70A052SC	70A052DC
SA-53	3/16"	1/8"	1/2"	70A053SC	70A053DC
SA-61	1/16"	3/32"	1/4"	70A061SC	70A061DC
SA-63	3/32"	3/32"	3/8"	70A063SC	70A063DC
SA-81	3/16"	3/16"	1/2"	70A081SC	70A081DC
SA-43L2	1/8"	1/8"	9/16"	7A43L2SC	7A43L2DC
SA-43L3	1/8"	1/8"	9/16"	7A43L3SC	7A43L3DC
<b>SERIES 7000AX</b>			<b>6" EXTRA LONG</b>		
SA-1L6	1/4"	1/4"	1/2"	7AX116SC	7AX116DC
SA-3L6	3/8"	1/4"	3/4"	7AX124SC	7AX124DC
SA-5L6	1/2"	1/4"	1"	7AX132SC	7AX132DC

## 7000A/7000AX 7000B

DEBURRING  
INTERIOR CONTOUR WORK



Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000B</b>			<b>CYLINDRICAL WITH END CUT</b>		
SB-12	1/8"	1/4"	5/8"	7B108ASC	7B108ADC
SB-11	1/8"	1/4"	1/2"	7B108BSC	7B108BDC
SB-14	3/16"	1/4"	5/8"	7B112ASC	7B112ADC
SB-1	1/4"	1/4"	5/8"	7B116ASC	7B116ADC
SB-1L	1/4"	1/4"	1"	7B116BSC	7B116BDC
SB-2	5/16"	1/4"	3/4"	7B120ASC	7B120ADC
SB-2L	5/16"	1/4"	1"	7B120BSC	7B120BDC
SB-3	3/8"	1/4"	3/4"	7B124ASC	7B124ADC
SB-3L	3/8"	1/4"	1"	7B124BSC	7B124BDC
SB-3XL	3/8"	1/4"	1-1/2"	7B124CSC	7B124CDC
SB-4	7/16"	1/4"	1"	7B128BSC	7B128BDC
SB-5	1/2"	1/4"	1"	7B132BSC	7B132BDC
SB-6	5/8"	1/4"	1"	7B140BSC	7B140BDC
SB-16	3/4"	1/4"	3/4"	7B148ASC	7B148ADC
SB-7	3/4"	1/4"	1"	7B148BSC	7B148BDC
SB-9	1"	1/4"	1"	7B164BSC	7B164BDC
<b>SERIES 7000B</b>			<b>MINIATURE</b>		
SB-43	1/8"	1/8"	9/16"	70B043SC	70B043DC
SB-51	1/4"	1/8"	3/16"	70B051SC	70B051DC
SB-ECO	1/8"	1/8"	-	70BECOSC	70BECODC



# Burs

**SOLID CARBIDE**  
Magnum



**PACKAGING:**  
All sizes are individually packaged.

## 7000C/7000CX 7000D/7000DX

SURFACE MILLING & CONTOUR WORK  
SURFACE MILLING, DEBURRING & CONTOUR WORK

Description and applications as 7000A.



7000C



7000CX



7000D



7000DX

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000C CYLINDRICAL BALL NOSE</b>					
SC-11	1/8"	1/4"	1/2"	7C108BSC	7C108BDC
SC-12	1/8"	1/4"	5/8"	7C108ASC	7C108ADC
SC-14	3/16"	1/4"	5/8"	7C112ASC	7C112ADC
SC-1	1/4"	1/4"	5/8"	7C116ASC	7C116ADC
SC-1L	1/4"	1/4"	1"	7C116BSC	7C116BDC
SC-2	5/16"	1/4"	3/4"	7C120ASC	7C120ADC
SC-2L	5/16"	1/4"	1"	7C120BSC	7C120BDC
SC-3	3/8"	1/4"	3/4"	7C124ASC	7C124ADC
SC-3L	3/8"	1/4"	1"	7C124BSC	7C124BDC
SC-3XL	3/8"	1/4"	1-1/2"	7C124CSC	7C124CDC
SC-4	7/16"	1/4"	1"	7C128BSC	7C128BDC
SC-5	1/2"	1/4"	1"	7C132BSC	7C132BDC
SC-6	5/8"	1/4"	1"	7C140BSC	7C140BDC
SC-7	3/4"	1/4"	1"	7C148BSC	7C148BDC
SC-9	1"	1/4"	1"	7C164BSC	7C164BDC
<b>SERIES 7000C MINIATURE</b>					
SC-41	3/32"	1/8"	7/16"	70C041SC	70C041DC
SC-42	1/8"	1/8"	9/16"	70C042SC	70C042DC
SC-51	1/4"	1/8"	1/2"	70C051SC	70C051DC
SC-52	5/32"	1/8"	1/2"	70C052SC	70C052DC
SC-53	3/16"	1/8"	1/2"	70C053SC	70C053DC
SC-61	3/32"	3/32"	3/8"	70C061SC	70C061DC
SC-81	3/16"	3/16"	1/2"	70C081SC	70C081DC
SC-42L2	1/8"	1/8"	9/16"	7C42L2SC	7C42L2DC
SC-42L3	1/8"	1/8"	9/16"	7C42L3SC	7C42L3DC
<b>SERIES 7000CX 6" EXTRA LONG</b>					
SC-1L6	1/4"	1/4"	1/2"	7CX116SC	7CX116DC
SC-3L6	3/8"	1/4"	3/4"	7CX124SC	7CX124DC
SC-5L6	1/2"	1/4"	1"	7CX132SC	7CX132DC

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000D BALL SHAPE</b>					
SD-12	1/8"	1/4"	1/8"	7D108ASC	7D108ADC
SD-14	3/16"	1/4"	3/16"	7D112ASC	7D112ADC
SD-1	1/4"	1/4"	1/4"	7D116ASC	7D116ADC
SD-2	5/16"	1/4"	5/16"	7D120ASC	7D120ADC
SD-3	3/8"	1/4"	3/8"	7D124ASC	7D124ADC
SD-4	7/16"	1/4"	7/16"	7D128ASC	7D128ADC
SD-5	1/2"	1/4"	1/2"	7D132ASC	7D132ADC
SD-6	5/8"	1/4"	5/8"	7D140ASC	7D140ADC
SD-7	3/4"	1/4"	3/4"	7D148ASC	7D148ADC
SD-9	1"	1/4"	1"	7D164ASC	7D164ADC
<b>SERIES 7000D MINIATURE</b>					
SD-41	3/32"	1/8"	3/32"	70D041SC	70D041DC
SD-42	1/8"	1/8"	1/8"	70D042SC	70D042DC
SD-51	1/4"	1/8"	7/32"	70D051SC	70D051DC
SD-53	3/16"	1/8"	5/32"	70D053SC	70D053DC
SD-61	3/32"	3/32"	3/32"	70D061SC	70D061DC
SD-81	3/16"	3/16"	5/32"	7D42L2SC	70D081DC
SD-42L2	1/8"	1/8"	1/8"	7D42L3SC	7D42L2DC
<b>SERIES 7000DX 6" EXTRA LONG</b>					
SD-1L6	1/4"	1/4"	7/32"	7DX116SC	7DX116DC
SD-3L6	3/8"	1/4"	5/16"	7DX124SC	7DX124DC
SD-5L6	1/2"	1/4"	7/16"	7DX132SC	7DX132DC

# Burs

## SOLID CARBIDE Magnum



**PACKAGING:**  
All sizes are individually packaged.

### 7000E/7000EX 7000F/7000FX

CONTOUR WORK  
NARROW CONTOUR WORK

Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).



Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000E</b>			<b>OVAL SHAPE</b>		
SE-11	3/16"	1/4"	5/16"	7E112ASC	7E112ADC
SE-1	1/4"	1/4"	3/8"	7E116ASC	7E116ADC
SE-2	5/16"	1/4"	5/8"	7E120ASC	7E120ADC
SE-3	3/8"	1/4"	5/8"	7E124ASC	7E124ADC
SE-5	1/2"	1/4"	7/8"	7E132ASC	7E132ADC
SE-6	5/8"	1/4"	1"	7E140ASC	7E140ADC
SE-7	3/4"	1/4"	1"	7E148ASC	7E148ADC
<b>SERIES 7000E</b>			<b>MINIATURE</b>		
SE-41	1/8"	1/8"	7/32"	70E041SC	70E041DC
SE-51	1/4"	1/8"	3/8"	70E051SC	70E051DC
SE-53	3/16"	1/8"	9/32"	70E053SC	70E053DC
SE-61	3/32"	3/32"	1/8"	70E061SC	70E061DC
SE-81	3/16"	3/16"	9/32"	70E081SC	70E081DC
SE-41L2	1/8"	1/8"	7/32"	7E41L2SC	7E41L2DC
SE-41L3	1/8"	1/8"	7/32"	7E41L3SC	7E41L3DC
<b>SERIES 7000EX</b>			<b>6" EXTRA LONG</b>		
SE-1L6	1/4"	1/4"	3/8"	7EX116SC	7EX116DC
SE-3L6	3/8"	1/4"	5/8"	7EX124SC	7EX124DC
SE-5L6	1/2"	1/4"	7/8"	7EX132SC	7EX132DC

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000F</b>			<b>ROUND TREE SHAPE</b>		
SF-11	1/8"	1/4"	5/8"	7F108BSC	7F108BDC
SF-12	1/8"	1/4"	1/2"	7F108ASC	7F108ADC
SF-1	1/4"	1/4"	5/8"	7F116ASC	7F116ADC
SF-1L	1/4"	1/4"	3/4"	7F116BSC	7F116BDC
SF-3	3/8"	1/4"	3/4"	7F124ASC	7F124ADC
SF-4	7/16"	1/4"	1"	7F128ASC	7F128ADC
SF-13	1/2"	1/4"	3/4"	7F132ASC	7F132ADC
SF-5	1/2"	1/4"	1"	7F132BSC	7F132BDC
SF-6	5/8"	1/4"	1"	7F140ASC	7F140ADC
SF-7	3/4"	1/4"	1"	7F148ASC	7F148ADC
SF-14	3/4"	1/4"	1-1/4"	7F148BSC	7F148BDC
SF-15	3/4"	1/4"	1-1/2"	7F148CSC	7F148CDC
<b>SERIES 7000F</b>			<b>MINIATURE</b>		
SF-41	1/8"	1/8"	1/4"	70F041SC	70F041DC
SF-42	1/8"	1/8"	1/2"	70F042SC	70F042DC
SF-51	1/4"	1/8"	1/2"	70F051SC	70F051DC
SF-53	3/16"	1/8"	1/2"	70F053SC	70F053DC
SF-61	3/32"	3/32"	1/4"	70F061SC	70F061DC
SF-81	3/16"	3/16"	1/2"	70F081SC	70F081DC
SF-42L2	1/8"	1/8"	1/2"	7F42L2SC	7F42L2DC
SF-42L3	1/8"	1/8"	1/2"	7F42L3SC	7F42L3DC
<b>SERIES 7000FX</b>			<b>6" EXTRA LONG</b>		
SF-1L6	1/4"	1/4"	1/2"	7FX116SC	7FX116DC
SF-3L6	3/8"	1/4"	3/4"	7FX124SC	7FX124DC
SF-5L6	1/2"	1/4"	1"	7FX132SC	7FX132DC

# Burs

**SOLID CARBIDE**  
Magnum



**PACKAGING:**  
All sizes are individually packaged.

**7000G/7000GX**  
**7000H/7000HX**

SURFACE MILLING & NARROW CONTOUR WORK  
CONTOUR WORK

Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000G</b>			<b>POINTED TREE SHAPE</b>		
SG-1	1/4"	1/4"	5/8"	7G116ASC	7G116ADC
SG-1L	1/4"	1/4"	3/4"	7G116BSC	7G116BDC
SG-2	5/16"	1/4"	3/4"	7G120ASC	7G120ADC
SG-3	3/8"	1/4"	3/4"	7G124ASC	7G124ADC
SG-13	1/2"	1/4"	3/4"	7G132ASC	7G132ADC
SG-5	1/2"	1/4"	1"	7G132BSC	7G132BDC
SG-6	5/8"	1/4"	1"	7G140ASC	7G140ADC
SG-7	3/4"	1/4"	1"	7G148ASC	7G148ADC
SG-15	3/4"	1/4"	1-1/2"	7G148BSC	7G148BDC
<b>SERIES 7000G</b>			<b>MINIATURE</b>		
SG-41	1/8"	1/8"	1/4"	70G041SC	70G041DC
SG-42	1/8"	1/8"	5/16"	70G042SC	70G042DC
SG-43	1/8"	1/8"	3/8"	70G043SC	70G043DC
SG-44	1/8"	1/8"	1/2"	70G044SC	70G044DC
SG-51	1/4"	1/8"	1/2"	70G051SC	70G051DC
SG-53	3/16"	1/8"	1/2"	70G053SC	70G053DC
SG-61	3/32"	3/32"	1/4"	70G061SC	70G061DC
SG-81	3/16"	3/16"	1/2"	70G081SC	70G081DC
SG-44L2	1/8"	1/8"	1/2"	7G44L2SC	7G44L2DC
SG-44L3	1/8"	1/8"	1/2"	7G44L3SC	7G44L3DC
<b>SERIES 7000GX</b>			<b>6" EXTRA LONG</b>		
SG-1L6	1/4"	1/4"	1/2"	7GX116SC	7GX116DC
SG-3L6	3/8"	1/4"	3/4"	7GX124SC	7GX124DC
SG-5L6	1/2"	1/4"	1"	7GX132SC	7GX132DC



Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000H</b>			<b>FLAME SHAPE</b>		
SH-1	1/4"	1/4"	1/2"	7H116ASC	7H116ADC
SH-2	5/16"	1/4"	3/4"	7H120ASC	7H120ADC
SH-5	1/2"	1/4"	1-1/4"	7H132ASC	7H132ADC
SH-6	5/8"	1/4"	1-7/16"	7H140ASC	7H140ADC
SH-7	3/4"	1/4"	1-5/8"	7H148ASC	7H148ADC
<b>SERIES 7000H</b>			<b>MINIATURE</b>		
SH-41	1/8"	1/8"	1/4"	70H041SC	70H041DC
SH-53	3/16"	1/8"	3/8"	70H053SC	70H053DC
SH-41L2	1/8"	1/8"	1/4"	7H41L2SC	7H41L2DC
SH-41L3	1/8"	1/8"	1/4"	7H41L3SC	7H41L3DC
<b>SERIES 7000HX</b>			<b>6" EXTRA LONG</b>		
SH-2L6	5/16"	1/4"	3/4"	7HX120SC	7HX120DC
SH-5L6	1/2"	1/4"	1-1/4"	7HX132SC	7HX132DC

# Burs

## SOLID CARBIDE Magnum



**PACKAGING:**  
All sizes are individually packaged.

### 7000J

#### MACHINING OF ACUTE ANGLE AREAS & COUNTERSINKING

Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).



7000J

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000J</b>			<b>60° INCLUDED ANGLE</b>		
SJ-1	3/16"	1/4"	3/16"	7J116ASC	7J116ADC
SJ-2	1/4"	1/4"	1/4"	7J120ASC	7J120ADC
SJ-3	5/16"	1/4"	1/4"	7J124ASC	7J124ADC
SJ-5	3/8"	1/4"	7/16"	7J132ASC	7J132ADC
SJ-6	1/2"	1/4"	1/2"	7J140ASC	7J140ADC
SJ-7	5/8"	1/4"	5/8"	7J148ASC	7J148ADC
SJ-9	3/4"	1/4"	3/4"	7J164ASC	7J164ADC
<b>SERIES 7000J</b>			<b>MINIATURE</b>		
SJ-42	1/8"	1/8"	3/32"	70J042SC	70J042DC

### 7000K

#### MACHINING OF ACUTE ANGLE AREAS & COUNTERSINKING

Description and applications as 7000J.



7000K

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000K</b>			<b>90° INCLUDED ANGLE</b>		
SK-1	1/4"	1/4"	1/8"	7K116ASC	7K116ADC
SK-2	5/16"	1/4"	3/16"	7K120ASC	7K120ADC
SK-3	3/8"	1/4"	3/16"	7K124ASC	7K124ADC
SK-5	1/2"	1/4"	1/4"	7K132ASC	7K132ADC
SK-6	5/8"	1/4"	5/16"	7K140ASC	7K140ADC
SK-7	3/4"	1/4"	3/8"	7K148ASC	7K148ADC
SK-9	1"	1/4"	1/2"	7K164ASC	7K164ADC
<b>SERIES 7000K</b>			<b>MINIATURE</b>		
SK-42	1/8"	1/8"	7/32"	70K042SC	70K042DC



# Burs

**SOLID CARBIDE**  
Magnum



**PACKAGING:**  
All sizes are individually packaged.

**7000L/7000LX  
7000M**

SURFACE MACHINING & NARROW CONTOUR WORK  
SURFACE MACHINING & NARROW CONTOUR WORK

Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).



Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000L</b>			<b>14° INCLUDED ANGLE</b>		
SL-1	1/4"	1/4"	5/8"	7L116ASC	7L116ADC
SL-2	5/16"	1/4"	7/8"	7L120ASC	7L120ADC
SL-3	3/8"	1/4"	1-1/16"	7L124ASC	7L124ADC
SL-4	1/2"	1/4"	1-1/8"	7L132ASC	7L132ADC
SL-5	5/8"	1/4"	1-3/16"	7L140ASC	7L140ADC
SL-6	5/8"	1/4"	1-5/16"	7L140BSC	7L140BDC
SL-7	3/4"	1/4"	1-1/2"	7L148ASC	7L148ADC
<b>SERIES 7000L</b>			<b>MINIATURE</b>		
SL-41	1/8"	1/8"	3/8"	70L041SC	70L041DC
SL-42	1/8"	1/8"	1/2"	70L042SC	70L042DC
SL-53	3/16"	1/8"	1/2"	70L053SC	70L053DC
SL-81	3/16"	3/16"	7/16"	70L081SC	70L081DC
SL-42L2	1/8"	1/8"	1/2"	7L42L2SC	7L42L2DC
SL-42L3	1/8"	1/8"	1/2"	7L42L3SC	7L42L3DC
<b>SERIES 7000LX</b>			<b>6" EXTRA LONG</b>		
SL-1L6	1/4"	1/4"	5/8"	7LX116SC	7LX116DC
SL-3L6	3/8"	1/4"	1-1/16"	7LX124SC	7LX124DC
SL-5L6	1/2"	1/4"	1-1/8"	7LX132SC	7LX132DC

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000M</b>			<b>CONE SHAPE</b>		
SM-1	1/4"	1/4"	1/2"	7M116ASC	7M116ADC
SM-2	1/4"	1/4"	3/4"	7M116BSC	7M116BDC
SM-3	1/4"	1/4"	1"	7M116CSC	7M116CDC
SM-3L	1/4"	1/4"	1-1/4"	7M116DSC	7M116DDC
SM-4	3/8"	1/4"	5/8"	7M124ASC	7M124ADC
SM-4L	3/8"	1/4"	1"	7M124BSC	7M124BDC
SM-5	1/2"	1/4"	7/8"	7M132ASC	7M132ADC
SM-6	5/8"	1/4"	1"	7M140ASC	7M140ADC
<b>SERIES 7000M</b>			<b>MINIATURE</b>		
SM-41	1/8"	1/8"	11/32"	70M041SC	70M041DC
SM-42	1/8"	1/8"	7/16"	70M042SC	70M042DC
SM-43	1/8"	1/8"	1/2"	70M043SC	70M043DC
SM-51	1/4"	1/8"	1/2"	70M051SC	70M051DC
SM-53	3/16"	1/8"	1/2"	70M053SC	70M053DC
SM-61	3/32"	3/32"	1/4"	70M061SC	70M061DC
SM-42L2	1/8"	1/8"	7/16"	7M42L2SC	7M42L2DC
SM-42L3	1/8"	1/8"	7/16"	7M42L3SC	7M42L3DC

# Burs

**SOLID CARBIDE**  
Magnum



**PACKAGING:**  
All sizes are individually packaged.

## 7000N/7000NE

MACHINING FROM THE REAR IN HARD TO REACH AREAS

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7000N



7000NE

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	Single Cut EDP No.	Double Cut EDP No.
<b>SERIES 7000N</b>			<b>INVERTED CONE</b>		
SN-1	1/4"	1/4"	5/16"	7N116ASC	7N116ADC
SN-2	3/8"	1/4"	3/8"	7N124ASC	7N124ADC
SN-4	1/2"	1/4"	1/2"	7N132ASC	7N132ADC
SN-6	5/8"	1/4"	3/4"	7N140ASC	7N140ADC
SN-7	3/4"	1/4"	5/8"	7N148ASC	7N148ADC
<b>SERIES 7000N</b>			<b>MINIATURE</b>		
SN-41	1/8"	1/8"	1/8"	70N041SC	70N041DC
SN-42	1/8"	1/8"	3/16"	70N042SC	70N042DC
SN-51	1/4"	1/8"	1/4"	70N051SC	70N051DC
SN-53	3/16"	1/8"	1/4"	70N053SC	70N053DC
SN-61	3/32"	3/32"	1/8"	70N061SC	70N061DC
SN-81	3/16"	3/16"	1/4"	70N081SC	70N081DC
<b>SERIES 7000NE</b>			<b>INVERTED CONE WITH END CUT</b>		
SN-1E	1/4"	1/4"	5/16"	7N116ESC	7N116EDC
SN-2E	3/8"	1/4"	3/8"	7N124ESC	7N124EDC
SN-4E	1/2"	1/4"	1/2"	7N132ESC	7N132EDC
SN-7E	3/4"	1/4"	5/8"	7N148ESC	7N148EDC

# Burs Aluminum Cut

**SOLID CARBIDE**  
Magnum



**PACKAGING:**  
All sizes are individually packaged.

Aluminum cut burs have more aggressive cutting edges for rapid stock removal with minimum chip. Ideal for aluminum and other non-ferrous materials.



7000AAL



7000CAL

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000AAL		CYLINDRICAL		
SA-1NF	1/4"	1/4"	3/4"	7AAL116
SA-3NF	3/8"	1/4"	3/4"	7AAL124
SA-5NF	1/2"	1/4"	1"	7AAL132
SA-6NF	5/8"	1/4"	1"	7AAL140
SA-7NF	3/4"	1/4"	1"	7AAL148

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000CAL		CYLINDRICAL BALL NOSE		
SC-1NF	1/4"	1/4"	3/4"	7CAL116
SC-3NF	3/8"	1/4"	3/4"	7CAL124
SC-5NF	1/2"	1/4"	1"	7CAL132
SC-6NF	5/8"	1/4"	1"	7CAL140
SC-7NF	3/4"	1/4"	1"	7CAL148



7000DAL



7000EAL

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000DAL		BALL SHAPE		
SD-1NF	1/4"	1/4"	7/32"	7DAL116
SD-3NF	3/8"	1/4"	5/16"	7DAL124
SD-5NF	1/2"	1/4"	7/16"	7DAL132
SD-6NF	5/8"	1/4"	9/16"	7DAL140
SD-7NG	3/4"	1/4"	11/16"	7DAL148

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000EAL		OVAL SHAPE		
SE-1NF	1/4"	1/4"	7/32"	7EAL116
SE-3NF	3/8"	1/4"	5/16"	7EAL124
SE-5NF	1/2"	1/4"	7/16"	7EAL132
SE-6NF	5/8"	1/4"	9/16"	7EAL140
SE-7NF	3/4"	1/4"	11/16"	7EAL148



7000FAL



7000LAL

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000FAL		ROUND TREE SHAPE		
SF-1NF	1/4"	1/4"	3/4"	7FAL116
SF-3NF	3/8"	1/4"	3/4"	7FAL124
SF-5NF	1/2"	1/4"	1"	7FAL132
SF-6NF	5/8"	1/4"	1"	7FAL140
SF-14NF	3/4"	1/4"	1-1/4"	7FAL148

Tool No.	Cutter Dia.	Shank Dia.	Length of Cut	EDP No.
SERIES 7000LAL		14° INCLUDED ANGLE		
SL-1NF	1/4"	1/4"	5/8"	7LAL116
SL-3NF	3/8"	1/4"	1-1/16"	7LAL124
SL-4NF	1/2"	1/4"	1-1/8"	7LAL132
SL-5NF	5/8"	1/4"	1-3/16"	7LAL140
SL-6NF	5/8"	1/4"	1-5/16"	7LAL140A

# Burs Sets

## SOLID CARBIDE Magnum



Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).



Set #1

Set No.	No. of Pieces	Includes	Single Cut EDP No.	Double Cut EDP No.
<b>Carbide Bur Sets</b>				
1	8	SA-1, SC-1, SD-1, SE-1, SF-1, SG-1, SL-1, SM-1	70S001SC	70S001DC
2	8	SA-3, SC-3, SD-3, SE-3, SF-3, SG-3, SL-3, SM-4	70S002SC	70S002DC
3	8	SA-5, SC-5, SD-5, SE-5, SF-5, SG-5, SL-4, SM-5	70S003SC	70S003DC
4	10	SA-1, SA-3, SA-5, SC-1, SC-3, SC-5, SD-3, SF-3, SF-5, SH-1	70S004SC	70S004DC
5	10	SA-5, SC-3, SC-5, SD-5, SE-3, SF-3, SF-5, SG-3, SG-5, SL-4	70S005SC	70S005DC
6	8	SA-43, SC-42, SD-42, SE-41, SF-42, SG-42, SL-41, SN-42	70S006SC	70S006DC
7	8	SA-51, SB-51, SC-51, SD-51, SE-51, SF-51, SG-51, SM-51	70S007SC	70S007DC
8	8	SA-53, SC-53, SD-53, SE-53, SF-53, SG-53, SL-53, SN-53	70S008SC	70S008DC
9	8	SA-61, SC-61, SD-61, SE-61, SF-61, SG-61, SM-61, SN-61	70S009SC	70S009DC

# Burs Displays

## SOLID CARBIDE Magnum



Carbide burs are one of the most widely used and versatile cutting tools, used in virtually every industry. Manufactured from Tungsten Carbide, they are primarily used to remove burrs (the small flakes of metal) that often remain on the workpiece after the machining process. Burs are available in standard lengths, long series (for hard to reach applications), and in miniature sizes (for use in pencil grinders).



- Burs are **“Made in the USA”** at our own state-of-the-art manufacturing facility
- Carbide burs are one of the most versatile metal working products available
- A wide range of styles and sizes
- Comes complete with attractive, hand made-wood display cabinet, ideal for your showroom and managing your inventory
- Available in 33, 66 or 99 piece displays

Displays	Each Set Contains The Following DC & NF Burs:	Single Cut EDP No.	Double Cut EDP No.
33 Piece Display (1 of Each Bur)	SA-1, SA-3, SA-5, SA-3NF, SC-1, SC-3, SC-3NF, SD-1, SD-3, SD-5, SE-1, SE-3, SE-5, SE-3NF, SF-1, SF-3, SF-5, SF-3NF, SG-1, SG-3, SG-5, SH-1, SH-5, SJ-1, SJ-3, SL-1, SL-3, SL-4, SL-3NF, SM-1, SM-4, SM-5	70S033SC	70S033DC
66 Piece Display (2 of Each Bur)		70S066SC	70S066DC
99 Piece Display (3 of Each Bur)		70S099SC	70S099DC



# Burs Fiberglass Routers

**SOLID CARBIDE**  
Fractional



**PACKAGING:**  
All sizes are individually packaged.

For use in graphite composite laminates, polyester glass reinforced products, and phenolic epoxy parts. Routers have a single end with a 30 degree left hand helix, right hand cut, and straight shank.



8000



8100

Tool No.	Cutter Dia.	Shank Dia.	Flute Length	Overall Length	8000 EDP No.
SERIES 8000			NO END CUT		
FGR 1	1/16"	1/8"	3/16"	1-1/2"	80A104
FGR 1-1	3/32"	1/8"	3/8"	1-1/2"	80A106
FGR 2	1/8"	1/8"	1/2"	1-1/2"	80A108
FGR 3	3/16"	3/16"	5/8"	2"	80A112
FGR 4	3/16"	1/4"	5/8"	2"	80A112A
FGR 5	1/4"	1/4"	3/4"	2"	80A116
FGR 6	1/4"	1/4"	3/4"	2-1/2"	80A116A
FGR 6-1	1/4"	1/4"	1"	3"	80A116B
FGR 7	5/16"	5/16"	1"	2-1/2"	80A120
FGR 8	3/8"	3/8"	1"	2-1/2"	80A124
FGR 9	1/2"	1/2"	1"	3"	80A132

Tool No.	Cutter Dia.	Shank Dia.	Flute Length	Overall Length	8100 EDP No.
SERIES 8100			END MILL END		
FGR 1	1/16"	1/8"	3/16"	1-1/2"	81A104
FGR 1-1	3/32"	1/8"	3/8"	1-1/2"	81A106
FGR 2	1/8"	1/8"	1/2"	1-1/2"	81A108
FGR 3	3/16"	3/16"	5/8"	2"	81A112
FGR 4	3/16"	1/4"	5/8"	2"	81A112A
FGR 5	1/4"	1/4"	3/4"	2"	81A116
FGR 6	1/4"	1/4"	3/4"	2-1/2"	81A116A
FGR 6-1	1/4"	1/4"	1"	3"	81A116B
FGR 7	5/16"	5/16"	1"	2-1/2"	81A120
FGR 8	3/8"	3/8"	1"	2-1/2"	81A124
FGR 9	1/2"	1/2"	1"	3"	81A132



8300



8400

Tool No.	Cutter Dia.	Shank Dia.	Flute Length	Overall Length	8300 EDP No.
SERIES 8300			BUR END		
FGR 1	1/16"	1/8"	3/16"	1-1/2"	83A104
FGR 1-1	3/8"	1/8"	3/8"	1-1/2"	83A106
FGR 2	1/8"	1/8"	1/2"	1-1/2"	83A108
FGR 3	3/16"	3/16"	5/8"	2"	83A112
FGR 4	3/16"	1/4"	5/8"	2"	83A112A
FGR 5	1/4"	1/4"	3/4"	2"	83A116
FGR 6	1/4"	1/4"	3/4"	2-1/2"	83A116A
FGR 6-1	1/4"	1/4"	1"	3"	83A116B
FGR 7	5/16"	5/16"	1"	2-1/2"	83A120
FGR 8	3/8"	3/8"	1"	2-1/2"	83A124
FGR 9	1/2"	1/2"	1"	3"	83A132

Tool No.	Cutter Dia.	Shank Dia.	Flute Length	Overall Length	8400 EDP No.
SERIES 8400			DRILL END		
FGR 1	1/16"	1/8"	3/16"	1-1/2"	84A104
FGR 1-1	3/32"	1/8"	3/8"	1-1/2"	84A106
FGR 2	1/8"	1/8"	1/2"	1-1/2"	84A108
FGR 3	3/16"	3/16"	5/8"	2"	84A112
FGR 4	3/16"	1/4"	5/8"	2"	84A112A
FGR 5	1/4"	1/4"	3/4"	2"	84A116
FGR 6	1/4"	1/4"	3/4"	2-1/2"	84A116A
FGR 6-1	1/4"	1/4"	1"	3"	84A116B
FGR 7	5/16"	5/16"	1"	2-1/2"	84A120
FGR 8	3/8"	3/8"	1"	2-1/2"	84A124
FGR 9	1/2"	1/2"	1"	3"	84A132

# Carbide Bur Selection & Use



## Single Cut

Drillco's Single Cut produces a smooth finish for general purpose use on steel, cast iron and other ferrous and non-ferrous materials. Most of DrillCo's Carbide Burs are available in the Single Cut right hand spiral design.



## Double Cut

Drillco's Double Cut, with its chisel type cutting edge, is a machine ground tool built to exacting tolerances of concentricity, size and shape. This accuracy, when combined with precision grinders, results in smooth running, fast metal removal and fine finishes.

The right and left hand helical flutes combined to produce an chisel type cutting tooth. This results in faster penetration and stock removal with minimal bounce or chatter. The Double Cut design also produces an easy to handle granular type chip, in most metals, as opposed to the conventional sliver type chips.

Throughout its life, the Double Cut gives faster stock removal, less operator fatigue, and maintains a good finish on the widest possible variety of materials.



## Chip Breaker

The addition of a chip breaker will reduce sliver size and improve operator control at a slightly reduced surface finish. Available as a special.



## Diamond Cut

The Diamond Cut is very effective in heat treated and tough alloy steels, producing extremely small chips. It offers very good operator control with good stock removal at the sacrifice of finish. The diamond grind will reduce tool life, however. Available as a special.



## Aluminum Cut

Drillco's Aluminum Cut burs are outstanding on soft or nonferrous type materials. Use the Aluminum Cut design on aluminum, magnesium, brass, lead and most plastics.

## Speed

High speeds are essential for efficient and economical use of a carbide bur. At high speeds there will be less tendency for chips to build up in the flute. Also, the bur will cut more freely in corners or pockets, and reduce the chances of jamming or wedging.

The selection of operating speeds for a carbide bur is usually less exacting than for most other cutting tools. Rather than specify a different grinder speed for every bur diameter used, one grinder will normally be used for many different bur sizes. However, for most efficient operations, the grinder should be specified with consideration given to diameter of the burs that will be used.

Carbide burs should operate between 1,500 and 3,000 surface feet per minute. Using these guidelines, a grinder can be selected that will efficiently work with a fairly broad range of bur sizes. For example, a 30,000 RPM grinder can be used with a 3/16" to a 3/8" diameter bur. A 22,000 RPM grinder will be satisfactory for burs ranging from 1/4" to 1/2".

Speeds are an important factor in achieving desired stock removal rates and workpiece finish. Increasing the speed will improve finishes, while lower speeds will remove material more rapidly.

