



# Tungsten Carbide Burrs & Rotary Files





# Tungsten Carbide Burrs

These burrs can be used to cut all types of steel, plastics, ferrous and machinable metals. They are designed for use when deburring, removing metal, or enlarging holes and are for use with air tools and grinders. For best results do not put pressure on the burrs. Always use protective eyewear when cutting with burrs. All burrs are double cut or aluma-cut as noted.



## Aluma-Cut

**Application:**

These "Non-Ferrous" Burrs are typically used on aluminum, plastics, brass, magnesium or lead.

**Features:**

Large flutes prevent loading of material or clogging up the flutes with the material being removed.



## Diamond Cut

**Application:**

Typical applications include steel or cast iron where extremely aggressive cutting action is required.

**Features:**

Deep cross-cut pattern is excellent in tire applications as well as many other uses when cutting extremely hard metals, etc.



## Double Cut

**Application:**

Use this Burr for general purpose stock removal or deburring of cast iron, steel or other ferrous materials.

**Features:**

The cross-cut of the Burr acts like rows of teeth producing fast stock removal as well as offering better control of the work. Excellent fit for most applications, except aluminum.



## Shark Offers A Complete Line of Tungsten Carbide Burrs

- Mini Carbide Burrs and Kits
- Extended Carbide Burrs and Kits
- Cross References to other Brands
- Attractive Boxes for Kits



# Mini Tungsten Carbide Burrs & Set

These 1/8" shank carbide burrs are compatible to work with any Dremel® tools.

Made of high-quality Tungsten carbide, they will hold up under strenuous situations. The various shapes are the most popular in the industry.

Note to never put pressure on the burr; allow the burr to do the cutting. Excess pressure can cause the teeth to break off.

## Mini Carbide Burrs with 1/8" Shank



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16017	SG-51	Tree Point	1/4"	1/2"	2"	Double	1/8"
16018	SF-51	Tree Radius	1/4"	1/2"	2"	Double	1/8"
16019	SN-51	Inverted Cone	1/4"	1/4"	1-3/4"	Double	1/8"
16020	SA-51	Cylinder	1/4"	1/2"	2"	Double	1/8"
16021	SB-51	End Cut Cylinder	1/4"	3/16"	1-3/4"	Double	1/8"
16023	SE-51	Oval	1/4"	3/8"	2"	Double	1/8"
16024	SM-51	Cone	1/4"	5/8"	2"	Double	1/8"
16025	SC-51	Rose Nose Cylinder	1/4"	1/2"	2"	Double	1/8"
16026	SD-51	Ball	1/4"	3/16"	2"	Double	1/8"

This 1/8" shank mini carbide burr kit comes with 9 of the most popular shapes to meet all your smaller cutting needs. Dremel® compatible.



### 16016

Shark#	16020	16021	16019	16025	16026	16023	16018	16017	16024
IR#	SA-51	SB-51	SN-51	SC-51	SD-51	SE-51	SF-51	SG-51	SM-51

### Mini Carbide Burr Assortment

PART#	CUT	SHANK	PK QTY
16016	Double	1/8"	9 Pieces

#### FEATURES

This 9 Piece Mini Carbide Burr Assortment kit includes the following: (1) 16020, (1) 16021, (1) 16019, (1) 16025, (1) 16026, (1) 16023, (1) 16018, (1) 16017, (1) 16024, in a convenient plastic case.

# Tungsten Carbide Burrs

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## Tree Shaped Pointed Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16011	SG-1	Tree Pointed	1/4"	5/8"	2"	Double	1/4"
16012	SG-3	Tree Pointed	3/8"	3/4"	2-1/2"	Double	1/4"
16028	SG-42	Tree Pointed	1/8"	5/8"	1-1/2"	Double	1/4"
16046	SG-5	Tree Pointed	1/2"	1"	2-3/4"	Double	1/4"
16076	SG-7	Tree Pointed	3/4"	1"	2-3/4"	Double	1/4"

## Tree Shaped Radius Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16008	SF-1	Tree Radius	1/4"	5/8"	2"	Double	1/4"
16009	SF-3	Tree Radius	3/8"	3/4"	2-1/2"	Double	1/4"
16010	SF-3NF	Tree Radius	3/8"	3/4"	2-3/4"	Aluma-Cut	1/4"
16034	SF-5	Tree Radius	1/2"	1"	3"	Double	1/4"
16043	SF-5NF	Tree Radius	1/2"	1"	3"	Aluma-Cut	1/4"
16047	SF-1NF	Tree Radius	1/4"	3/4"	2"	Aluma-Cut	1/4"

# Tungsten Carbide Burrs

## Cone Pointed End Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16035	SM-5	Cone Pointed End	1/2" - 35 deg.	7/8"	2-3/4"	Double	1/4"
16049	SM-4	Cone Pointed End	3/8" - 28 deg.	3/4"	2-3/4"	Double	1/4"

## Ball Nosed Cone (Flame) Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16013	SL-2	Ball Nosed Cone	3/8"	1-1/16"	3"	Double	1/4"
16022	SL-4	Ball Nosed Cone	1/2"	1-1/8"	3"	Double	1/4"
16036	SL-6	Ball Nosed Cone	5/8"	1-5/16"	3-1/4"	Double	1/4"
16068	SH-2NF	Ball Nosed Cone	3/8"	3/4"	2-1/2"	Aluma-Cut	1/4"
16069	SH-5NF	Ball Nosed Cone	1/2"	1-1/4"	3-1/4"	Aluma-Cut	1/4"

## Oval Shaped Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16037	SE-5	Oval	1/2"	7/8"	2-3/4"	Double	1/4"
16040	SE-5NF	Oval	1/2"	7/8"	2-5/8"	Aluma-Cut	1/4"
16073	SE-3	Oval	3/8"	5/8"	2-5/8"	Double	1/4"
16074	SE-3NF	Oval	3/8"	5/8"	2-5/8"	Aluma-Cut	1/4"

# Tungsten Carbide Burrs

## Cylinder Shaped Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16000	SA-1L	Cylinder	1/4"	3/4"	2"	Double	1/4"
16001	SA-3	Cylinder	3/8"	3/4"	2-3/4"	Double	1/4"
16002	SA-5	Cylinder	1/2"	1"	3"	Double	1/4"
16029	SA-1 LEC	Cylinder	1/4"	5/8"	2"	Dble/End Cut	1/4"
16031	SA-1 LDia.	Cylinder	1/4"	3/4"	2"	Diamond	1/4"
16032	SA-1LD	Cylinder	1/4"	1"	2"	Double	1/4"
16033	SA-6	Cylinder	5/8"	1"	3"	Double	1/4"
16039	SA-5NF	Cylinder	1/2"	1"	3"	Aluma-Cut	1/4"
16041	SA-6NF	Cylinder	5/8"	1"	3"	Aluma-Cut	1/4"
16042	SA-3NF	Cylinder	3/8"	3/4"	2-3/4"	Aluma-Cut	1/4"
16072	SA-1NF	Cylinder	1/4"	3/4"	1-3/4"	Aluma-Cut	1/4"

## Cylinder Shaped Router Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16030	SG-33	Cylinder	1/4"	1"	2-1/2"	Diamond	1/4"

# Tungsten Carbide Burrs

## Ball Shaped Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16006	SD-2	Ball	5/16"	1/4"	2-1/4"	Double	1/4"
16007	SC-5NF	Ball	1/2"	7/16"	2-1/2"	Aluma-Cut	1/4"
16038	SD-5	Ball	1/2"	7/16"	2-7/8"	Double	1/4"
16045	SD-3	Ball	3/8"	5/16"	2-5/16"	Double	1/4"
16067	SD-3NF	Ball	3/8"	5/16"	2-5/16"	Aluma-Cut	1/4"
16075	SD-1	Ball	1/4"	7/32"	2"	Double	1/4"

## Ball Nosed Cylinder Carbide Burrs



PART#	IR#	SHAPE	DIA. HEAD	FLUTE LENGTH	OVERALL LENGTH	CUT	SHANK
16003	SC-1	Ball Nosed	1/4"	5/8"	2-1/2"	Double	1/4"
16004	SC-3	Ball Nosed	3/8"	3/4"	2-3/4"	Double	1/4"
16005	SC-5	Ball Nosed	1/2"	3/4"	3"	Double	1/4"
16044	SC-3NF	Ball Nosed	3/8"	3/4"	2-1/2"	Aluma-Cut	1/4"
16070	SC-5NF	Ball Nosed	1/2"	1"	3"	Aluma-Cut	1/4"
16071	SC-1NF	Ball Nosed	1/4"	3/4"	2"	Aluma-Cut	1/4"



# Abrasives

## CARBIDE BURRS



### 16014

Shark#	16011	16000	16004	16022	16010
IR#	SG-1	SA-1L	SC-3	SL-4	SF-3NF

### 5 Piece Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16014	Double/Aluma-Cut	1/4"	5 Pieces

#### FEATURES

This 5 Piece Carbide Burr Assortment kit includes the following: (1) 16011, (1) 16000, (1) 16004, (1) 16022, (1) 16010, in a convenient plastic case.



### 16015

Shark#	16011	16000	16004	16005	16012	16022	16007	16010
IR#	SG-1	SA-1L	SC-3	SC-5	SG-3	SL-4	SC-5NF	SF-3NF

### 8 Piece Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16015	Double/Aluma-Cut	1/4"	8 Pieces

#### FEATURES

This 8 Piece Carbide Burr Assortment kit includes the following: (1) 16011, (1) 16000, (1) 16004, (1) 16005, (1) 16012, (1) 16022, (1) 16007, (1) 16010, in a convenient plastic case.



### 16027

Shark#	16031	16007	16039	16040	16010
IR#	SA-1LDia.	SC-5NF	SA-5NF	SE-5NF	SF-3NF

### 5 Piece Aluminum Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16027	Aluma & Diamond	1/4"	5 Pieces

#### FEATURES

This 5 Piece Carbide Burr Assortment kit includes the following: (1) 16031, (1) 16007, (1) 16039, (1) 16040, (1) 16010, in a convenient plastic case.



## Tungsten Carbide Burr Sets

Our kits offer our most popular burrs. Solid Carbide heads ensure long life wear. For deburring, removing metal and enlarging holes. Designed to be used with air tools and grinders. Never apply pressure to the cutting tool for best results. Use on all types of steel, plastics, ferrous and machinable metals.



## Extended Tungsten Carbide Burrs

For applications where added length is required, these burr kits come with 6" extended burrs in popular 4 or 6 piece kits, as well as a 4 piece all Aluminum Cutting kit. Perfect for many applications, these burrs come in Aluma-Cut or Double Cut.



### Extended Tungsten Carbide Burrs with 1/4" Shank

PART#	IR#	SHAPE	DIA. HEAD	OVERALL LENGTH	CUT	SHANK
16080	SC-3L6	Cylinder/ Radius End	3/8"	6"	Double	1/4"
16081	SC-5L6	Cylinder/ Radius End	1/2"	6"	Double	1/4"
16082	SF-3L6	Tree Shaped	3/8"	6"	Double	1/4"
16083	SF-5L6	Tree Shaped Radius	1/2"	6"	Double	1/4"
16084	SD-5L6	Ball End	1/2"	6"	Double	1/4"
16085	SC-5NFL6	Ball End	1/2"	6"	Aluma-Cut	1/4"
16086	SF-3NFL6	Tree Shaped	3/8"	6-3/4"	Aluma-Cut	1/4"
16087	SF-5NFL6	Tree Shaped	1/2"	7"	Aluma-Cut	1/4"
16088	SC-3NFL6	Cylinder/ Radius End	3/8"	6-3/4"	Aluma-Cut	1/4"
16089	SD3-DCL6	Ball End	3/8"	6"	Double	1/4"

## Extended Tungsten Carbide Burr Sets

For applications where added length is required, these burr kits come with 6" extended burrs in popular 4 or 6 piece kits, as well as a 4 piece all-Aluminum Cutting kit. Perfect for many applications, these burrs come in Aluma-Cut or Double Cut.

### 4 Piece Extended Tungsten Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16077	Double	1/4"	4 Pieces
<b>FEATURES</b>			
This 4 Piece Carbide Burr Assortment kit includes the following: (1) 16080, (1) 16082, (1) 16083, (1) 16084.			

### 6 Piece Extended Tungsten Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16078	Double	1/4"	6 Pieces
<b>FEATURES</b>			
This 6 Piece Carbide Burr Assortment kit includes the following: (1) 16080, (1) 16081, (1) 16082, (1) 16083, (1) 16084, (1) 16089.			

### 4 Piece Extended Tungsten Carbide Burr Set

PART#	CUT	SHANK	PK QTY
16079	Aluma-Cut	1/4"	4 Pieces
<b>FEATURES</b>			
This 6 Piece Carbide Burr Assortment kit includes the following: (1) 16085, (1) 16086, (1) 16087, (1) 16088.			



**16077**

<b>Shark#</b>	16080	16082	16083	16084
<b>IR#</b>	SC-3L6	SF-3L6	SF-5L6	SD-5L6



**16078**

<b>Shark#</b>	16080	16081	16082	16083	16084	16089
<b>IR#</b>	SC-3L6	SC-5L6	SF-3L6	SF-5L6	SD-5L6	SD3-DCL6



**16079**

<b>Shark#</b>	16085	16086	16087	16088
<b>IR#</b>	SC-5NFL6	SF-3NFL6	SF-5NFL6	SC-3NFL6

# Tungsten Carbide Burrs

## Tire Repair Carbide Burrs



PART#	TECH#	SHAPE	DIA. HEAD	FLUTE LENGTH	INJURY SIZE	OVERALL LENGTH	CUT
16028	280	Tree Pointed	1/8"	5/8"	1/8" (3mm)	1-1/2" (38mm)	Double
16011	282	Tree Pointed	1/4"	5/8"	1/4" (6mm)	2" (50mm)	Double
16032	284	Cylinder	1/4"	1"	1/4" (6mm)	2" (50mm)	Double
16090	271	Router	5/16"	2"	1/4" (6mm)	4" (100mm)	Diamond
16091	271P	Router	1/4"	2"	1/4" (6mm)	3" (75mm)	Diamond
16092	N/A	Router	3/16"	2"	3/16" (8mm)	3" (75mm)	Diamond



# Rotary Files & Set

Mounted on 1/4" shanks, these files are made from high-speed steel for tough jobs. Most files are 1/2" diameter and can be used on bronze, mild steel, plastic and fiberglass. Can be used in drill presses, lathes, air-operated hand tools, hand drills and flexible shaft equipment.

## Rotary Files with 1/4" Shank



PART#	SHAPE	FLUTE LENGTH	OVERALL LENGTH	MAX RPM	SHANK
12951	Cylindrical	TBD	TBD	2,500	1/4"
12952	Round Tree	TBD	2"	2,500	1/4"
12953	Ball	1/4"	TBD	2,500	1/4"
12954	Cylindrical Ball Nose	1/2"	2"	2,500	1/4"
12955	14 Degree Angle	3/16"	TBD	2,500	1/4"
12956	Flame Rounded	3/8"	TBD	2,500	1/4"
12957	Cylindrical	5/8"	TBD	2,500	1/4"

High quality steel tool set includes five most popular shapes and sizes: Cylindrical, Round Tree, Ball, Ball Nose Cylinder and 14 Degree Angle. Shipped in a plastic reusable case.



12950

Shank# 12957 12952 12953 12954 12955

### 5 Piece Multi-Purpose Rotary File Set

PART#	SHAPE	SHANK	PK QTY
12950	Multi	1/4"	5 Pieces
<b>FEATURES</b>			
This 5 Piece Rotary Assortment kit includes the following: (1) 12957, (1) 12952, (1) 12953, (1) 12954, (1) 12955, in a convenient plastic case.			