

WIDIA™ Metal Removal Carbide Burs

Carbide Burs



WIDIA™ carbide burs are manufactured in compliance with USCTI standards and are the highest quality in the industry, delivering excellent performance and safety. Our unique manufacturing process ensures exceptional tool life with the reliability to operate safely at high speeds. WIDIA burs offer a comprehensive portfolio of sizes and shapes for all applications and workpiece materials.

- Complete selection of shapes and cut styles for all materials and applications.
- Solid shank and brazed-on steel styles.
- Highest quality materials and construction deliver exceptional tool life.
- Wide array of sizes and shank lengths.
- Available in multiple size and style kits.
- Use of industry-standard USCTI codes for easy identification.

Micrograin carbide
Consistent performance
and tool life.

USCTI Standards
Industry-standard
shapes and sizes.



High-quality steel shanks
Multiple lengths and styles.

High-quality brazing and testing
Ensures safety at high RPMs.

Standard Cut Styles

Standard Cut (Right-Hand Spiral)

The WIDIA™ standard (right-hand spiral) cut produces a smooth finish for general-purpose use on steel, cast iron, and other ferrous and non-ferrous materials. Most WIDIA carbide burs are available in the right-hand spiral design.



Special Cut Styles

Coarse Cut

Coarse cut burs are favored for applications in softer materials such as brass, lead, annealed low-carbon steels, and some aluminium alloys. The combination of fewer flutes with greater depths provides the chip clearance necessary for these materials. Available as specials.

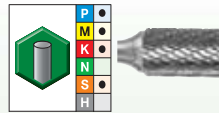


Master Cut (Double Cut)

The WIDIA exclusive master 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 combine to produce a chisel-type cutting tooth. This results in faster penetration and stock removal with minimal bounce or chatter.

The master 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 master cut gives faster stock removal and less operator fatigue, and maintains a good finish on the widest possible variety of workpiece materials.



Fine Cut RHS

The WIDIA fine cut right-hand spiral is used in applications where stock removal is light and workpiece finish is critical. A greater number of flutes reduces chip load and provides excellent control in deburring small, intricate areas. Available as specials.



Aluminium Cut

The WIDIA aluminium cut burs are outstanding on soft or non-ferrous type materials. Use the aluminium cut design on aluminium, magnesium, brass, lead, and most plastics.

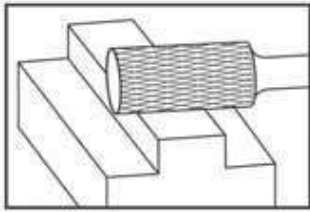


How to select a Bur

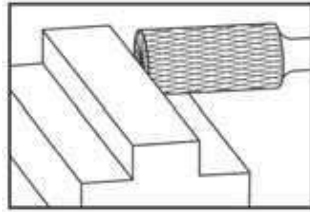
Applications	Material	Cut	
Efficient stock removal — deburring, finishing, and cleaning.	Ferrous metals Non-ferrous metals	Double Master Cut	
Heavy stock removal — deburring, milling, cleaning, and machining.	Non-ferrous metal: aluminium alloys Plastics	Aluminium Cut	
Medium stock removal — deburring, milling, cleaning, and finishing.	Non-ferrous metal: aluminium alloys Plastics Hard rubber	Coarse Cut Special Cut Style	
Medium stock removal — deburring, milling, cleaning, and finishing.	Non-Hardened steel >45 HRC Hardened steel >45 HRC: stainless steel High-temperature resistant metals: nickel, cobalt, titanium Non-ferrous light metals: brass, copper, and zinc Hardened >45 HRC: cast iron	Single Cut	
Light stock removal — fine deburring and fine finishing.	Hardened steel >45 HRC	Fine Cut Special Cut Style	

Bur Shapes

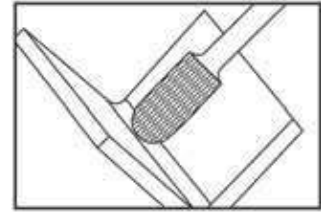
A Shape



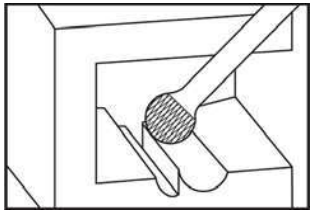
B Shape



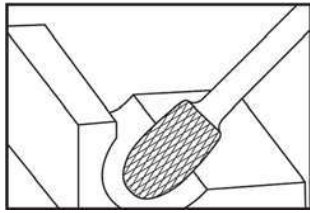
C Shape



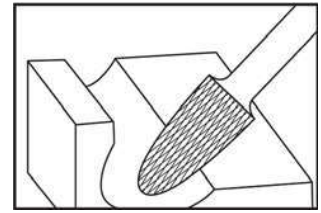
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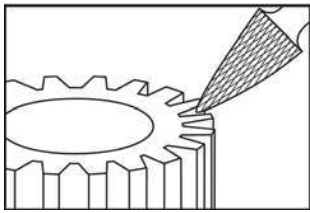
E Shape



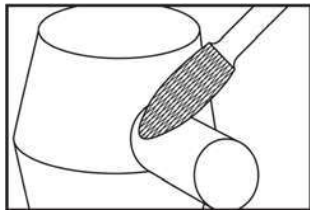
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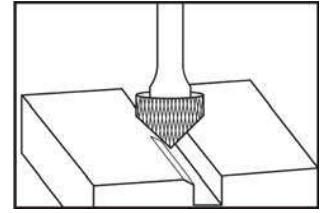
G Shape



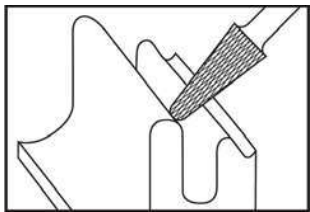
H Shape



K Shape



L Shape



M Shape

