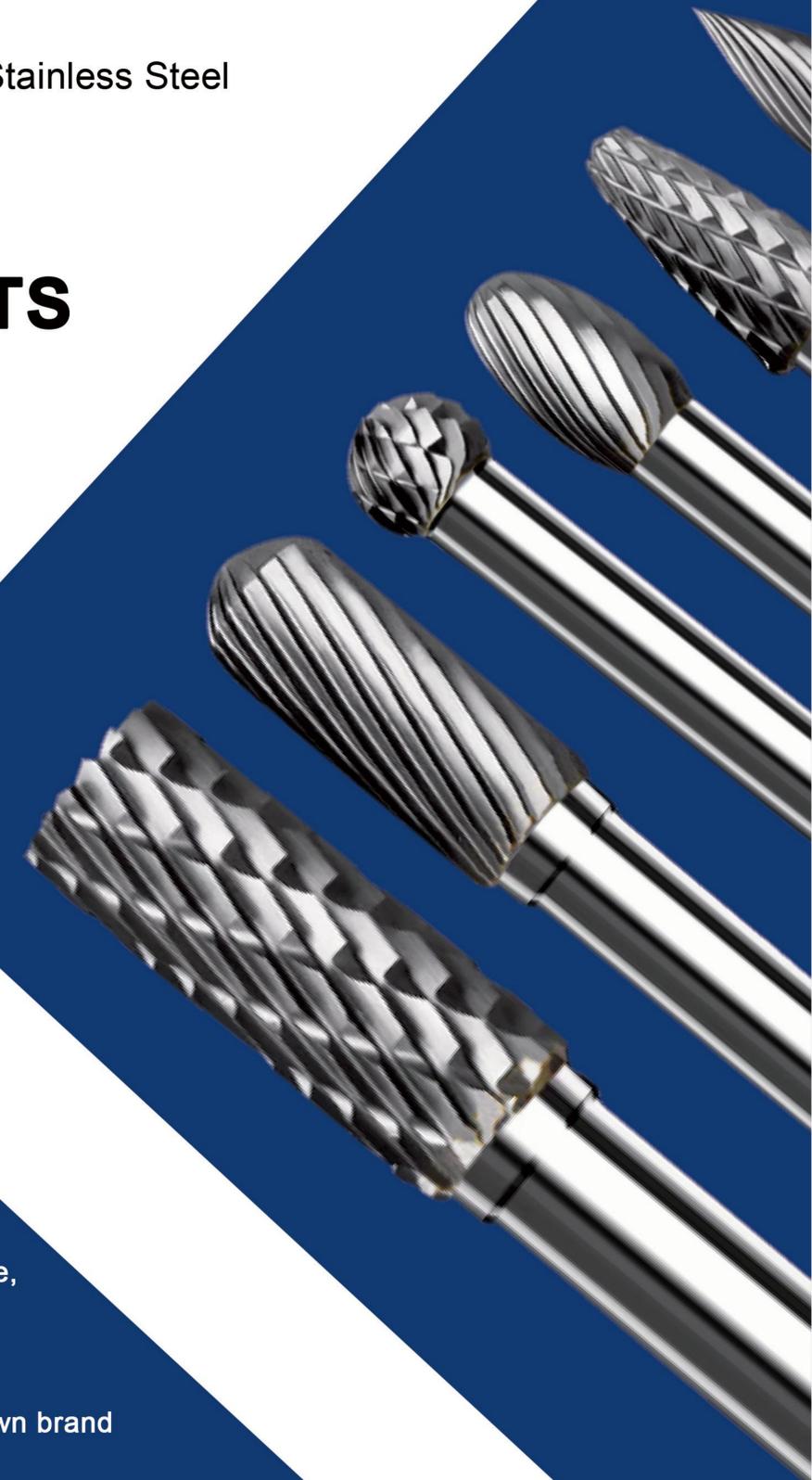


HNCARBIDE

For Tough Steel, Cast Iron, Stainless Steel
And Exotic Materials:

NOTHING CUTS IT BETTER!



Contact us

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Email: mannie@huanatools.com

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- ▶ Non-standard designs available,
made to drawing
- ▶ OEM / ODM service for your own brand
- ▶ Technical support from our engineering team



Company profile

HNCarbide is located in Suzhou, Jiangsu Province, one of the most dynamic manufacturing hubs in the Yangtze River Delta. With convenient access to well-developed highway, rail, port and airport networks, we are able to offer fast and reliable logistics by sea, land and air for customers worldwide.

We specialize in the research, development and production of solid carbide rotary burrs (tungsten carbide burrs) and related precision cutting tools. With more than ten years of experience in carbide tooling, HNCarbide is among the earlier manufacturers in China dedicated to carbide rotary burr tools and their machining applications.

Our HNCarbide-brand carbide rotary burrs feature a complete range of sizes, sharp cutting performance and stable tool life. They are widely used across China and exported to many countries and regions in Europe, North America and Asia, earning strong trust and recognition from our customers.

As times change, we continue to move forward. HNCarbide is committed to the principle of "excellent quality and customer satisfaction", continuously upgrading equipment, optimizing processes and improving inspection systems to provide more efficient and cost-effective tooling solutions.

We sincerely look forward to building long-term, mutually beneficial partnerships with customers and friends from all over the world.



High precision grinding equipment



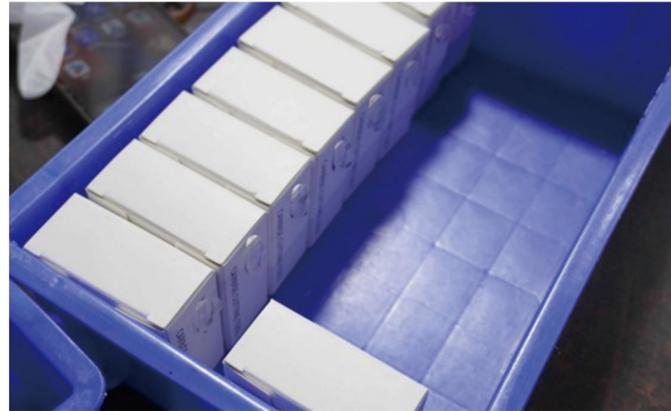
High precision testing equipment



Carbide Rotary File finds very wide application in cases such as follows:

- ▶ Trimming flying edge, burr and welding crack on casting, forging and welding pieces.
- ▶ Finishing various metal mounts.
- ▶ Finishing channel on impellers.
- ▶ Chamfering, rounding and channeling on various machinery parts.
- ▶ Finishing the surface of internal bore of machinery parts.
- ▶ Artistic engraving on different metal or nonmetal materials.

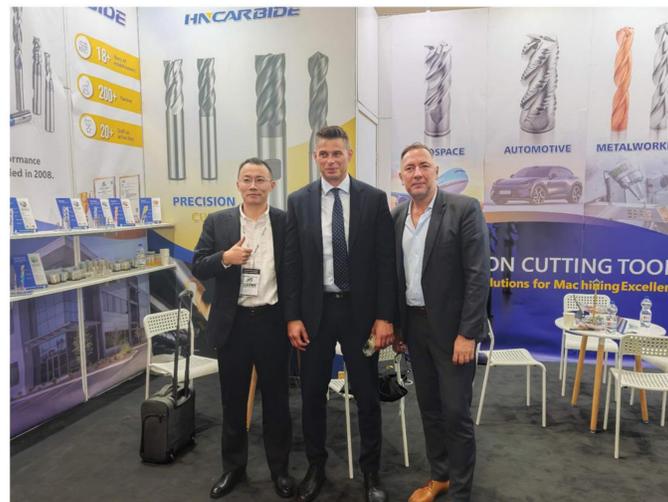
Customization



Custom Carbide Burr Solutions

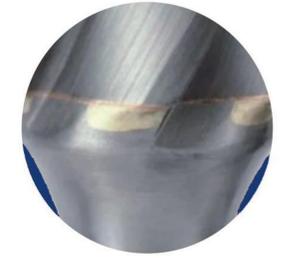
- Made-to-drawing and made-to-sample available
- Fully customizable size, flute style, shank diameter and overall length
- Small-lot trial orders and stable mass production
- Dedicated technical support with machining recommendation

Our Clients



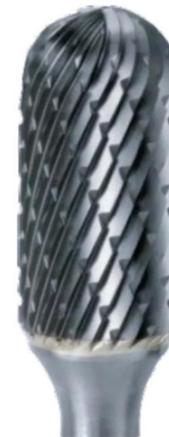
WHAT IS A CARBIDE BUR?

A tungsten carbide bur is a tool used to deburr and smooth sharp edges after cutting or machining. Special geometries are designed to be applied to different materials and applications. It is imperative to choose the correct bur for your application.



COMPOSITION

LICHAM burs are made from a mixture of Tungsten Carbide and Cobalt. Cobalt is the binder holding the carbide grains together. Harder than almost all metals, it has the ability to be used at high speeds. It has a reduced risk of contamination and can be used on most materials.



BRAZED CARBIDE BUR



SOLID CARBIDE BUR

SUMMARY

A tungsten carbide bur is a tool used to deburr and smooth sharp metal edges after cutting or machining. For drilling holes or cutting a hole in metal, a carbide drill or a carbide end mill or a carbide router is required rather than a carbide bur. Carbide burs are widely used for metalwork, tool making, engineering, model engineering, wood carving, jewellery making, welding, chamfering, casting, deburring, grinding, cylinder head porting and sculpting. Tungsten carbide is up to three times stronger than high speed steel so it can withstand extreme applications and perform better at higher temperatures.

CHARACTERISTIC

The carbide rotary file is an indispensable advanced tool for fitters and mold workers. Its characteristics are that it replaces small grinding wheels with handles without dust pollution, and its service life is equivalent to hundreds of small grinding wheels with handles. The processing efficiency is increased by more than 5 times. It can grind various metal and non-metallic materials with hardness below HRC 70, and the rough precision of the grinding surface can reach Ra1.6. It is easy to master, easy to use, safe and reliable, greatly reducing heavy physical labor, Reduce production costs.

PURPOSE

Cemented carbide rotary files are widely used in mold processing and manufacturing. Chamfering, rounding, and groove processing of mechanical parts, and cleaning of flash, burr, and weld seams of castings, forgings, and weldments; Finishing of pipes and impeller runner, arts and crafts carving of metal and non-metallic materials (bone, jade, stone).

USE

Hard alloy rotary files are mainly used with power tools or pneumatic tools (can also be installed on machine tools). The driving speed unit is 6000-50000 rpm, with a specific score of 1 point.

POINTS FOR ATTENTION

The concentricity of the fixture of the supporting drive tool should be good, and it is strictly prohibited to use it with nonconcentrically aligned fixtures. When using, the handle must be clamped and clamped correctly, and shaking is strictly prohibited during operation. The cutting direction should be moved smoothly from right to left, without excessive force, to prevent bounce and impact; If the handle length exceeds 80mm, slow down the operation. To prevent chips from flying, wear protective glasses.

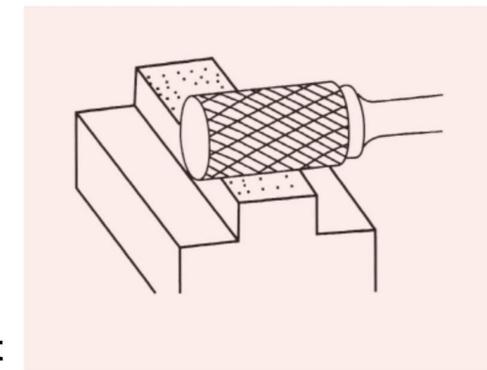
CYLINDRICAL(TYPEA)



Single cut

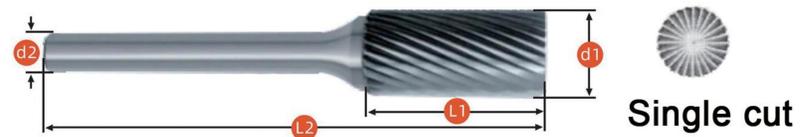
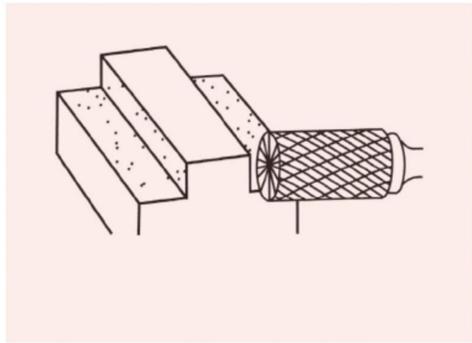


Double cut

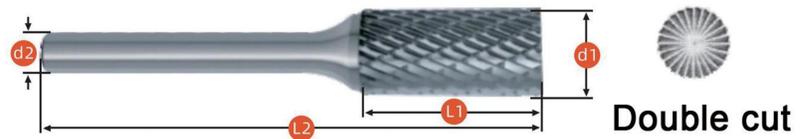


Order No.	size					Tooth
	d1	L1	d2	L2	A	
A0316M03	3	16	3	38		M
A0413M03	4	13	3	50		M
A0513M03	5	13	3	50		M
A0613M03	6	13	3	50		M
A0616M06	6	16	6	56		M
A0820M06	8	20	6	60		M
A1020M06	10	20	6	60		M
A1225M06	12	25	6	65		M
A1425M06	14	25	6	68		M
A1625M06	16	25	6	65		M
A1825M06	18	25	6	68		M
A2025M06	20	25	6	71		M
A2525M06	25	25	6	73		M
A0804M06	8	4	6	44		M
A1005M06	10	5	6	45		M
A1205M06	12	5	6	45		M
A1605M06	6	6	6	46		M

CYLINDRICAL(TYPE B)



Single cut



Double cut

APPLICATION Interior contour work, peripheral and face milling

Order No.	size					Tooth
	d1	L1	d2	L2	A	
B0316M03	3	16	3	38		M
B0413M03	4	13	3	50		M
B0513M03	5	13	3	50		M
B0613M03	6	13	3	50		M
B0616M06	6	16	6	56		M
B0820M06	8	20	6	60		M
B1020M06	10	20	6	60		M
B1225M06	12	25	6	65		M
B1425M06	14	25	6	68		M
B1625M06	16	25	6	65		M
B1825M06	18	25	6	68		M
B2025M06	20	25	6	71		M
B2525M06	25	25	6	73		M

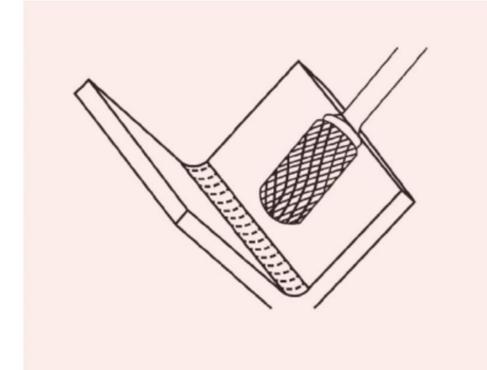
CYLINDRICALBALL(TYPE C)



Single cut



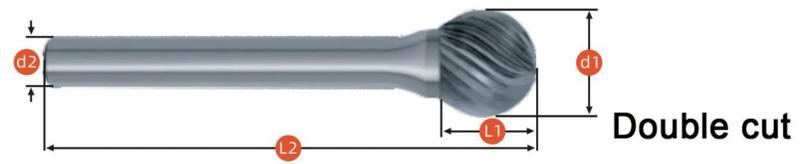
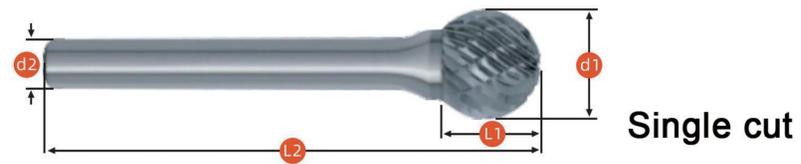
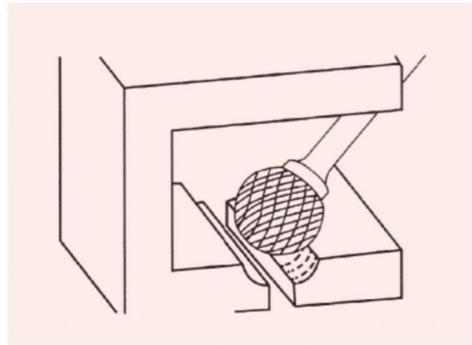
Double cut



APPLICATION Deburring, contouring

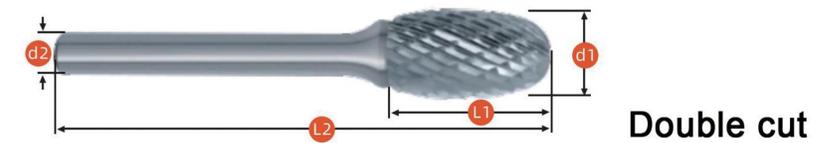
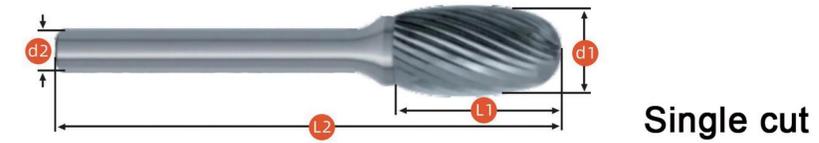
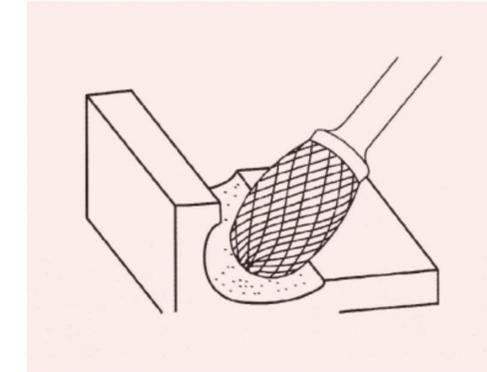
Order No.	size					Tooth
	d1	L1	d2	L2	A	
C0316M03	3	16	3	38		M
C0413M03	4	13	3	50		M
C0513M03	5	13	3	51		M
C0613M03	6	13	3	52		M
C0616M06	6	16	6	56		M
C0820M06	8	20	6	60		M
C1020M06	10	20	6	60		M
C1225M06	12	25	6	65		M
C1425M06	14	25	6	68		M
C1625M06	16	25	6	65		M
C1825M06	18	25	6	68		M
C2025M06	20	25	6	70		M
C2525M06	25	25	6	72		M

SPHERICAL(TYPE D)



APPLICATION Interior contour work, peripheral and face milling

ELLIPTIC(TYPE E)

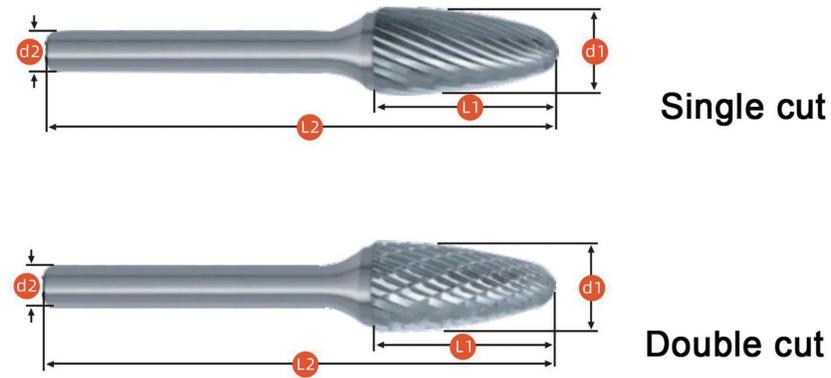
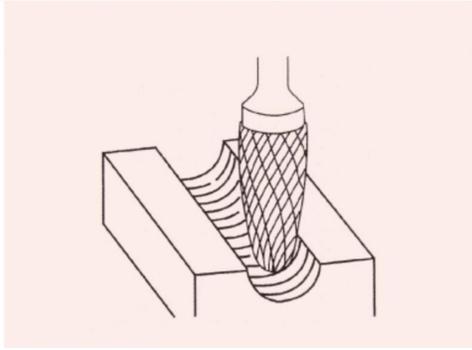


APPLICATION Contouring

Order No.	size					Tooth
	d1	L1	d2	L2	A	
D0303M03	3	2.7	3	38		M
D0403M03	4	3.6	3	50		M
D0504M03	5	4.0	3	50		M
D0605M03	6	5.0	3	52		M
D0605M06	6	5.4	6	45		M
D0807M06	8	7.2	6	47		M
D1009M06	10	9.0	6	49		M
D1210M06	12	10.8	6	51		M
D1412M06	14	12.6	6	53		M
D1614M06	16	14.4	6	54		M
D1816M06	18	16.0	6	56		M
D20218M06	20	18.0	6	57		M
D2525M06	25	25.0	6	61		M

Order No.	size					Tooth
	d1	L1	d2	L2	A	
E0307M03	3	7	3	38		M
E0407M03	4	7	3	50		M
E0508M03	5	8	3	50		M
E0610M03	6	10	3	50		M
E0610M06	6	10	3	51		M
E0813M06	8	13	6	53		M
E1016M06	10	16	4	56		M
E1220M06	12	20	6	60		M
E1422M06	14	22	6	65		M
E1625M06	16	25	6	65		M

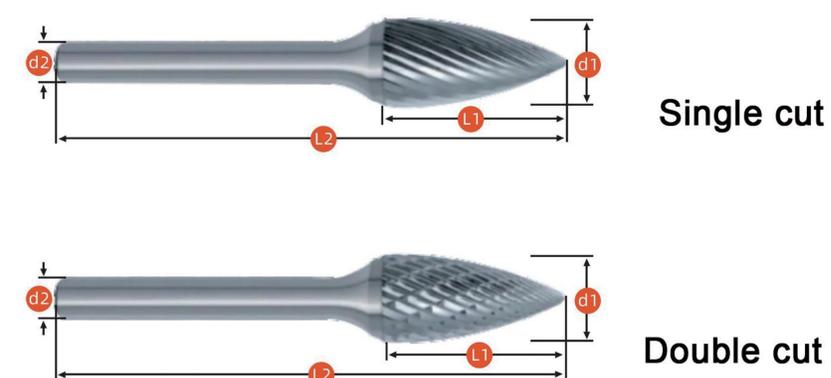
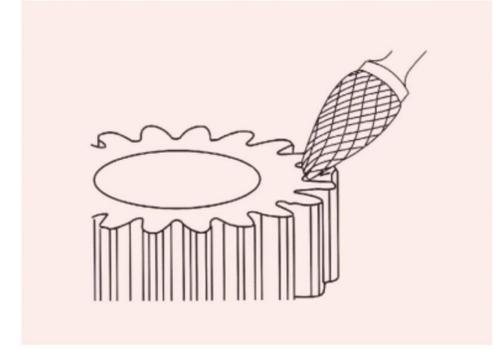
AREROUND HEAD(TYPE F)



APPLICATION Interior contour work, peripheral and face milling

Order No.	size					Tooth
	d1	L1	d2	L2	A	
F0316M03	3	16	3	38		M
F0413M03	4	13	3	50		M
F0513M03	5	13	3	50		M
F0613M03	6	13	3	52		M
F0618M06	6	18	6	58		M
F0818M06	8	18	6	58		M
F1020M06	10	20	6	50		M
F1225M06	12	25	6	65		M
F1425M06	14	25	6	65		M
F1625M06	16	25	6	65		M
F1825M06	18	25	6	65		M
F2025M06	18	25	6	65		M

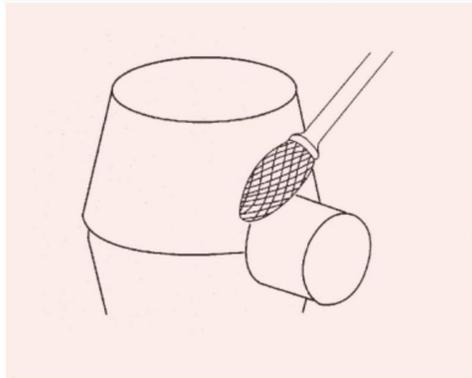
ARC POINT HEAD(TYPE G)



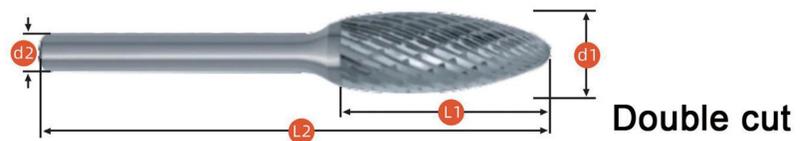
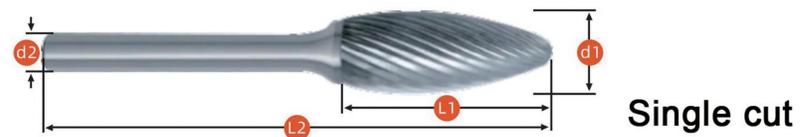
APPLICATION Work on narrow contours, milling of acute-angled surfaces

Order No.	size					Tooth
	d1	L1	d2	L2	A	
G0316M03	3	16	3	38		M
G0413M03	4	13	3	50		M
G0513M03	5	13	3	50		M
G0613M03	6	13	3	52		M
G0618M06	6	18	6	56		M
G0817M06	8	17	6	57		M
G1020M06	10	20	6	60		M
G1225M06	12	25	6	65		M
G1425M06	14	25	6	65		M
G1625M06	16	25	6	65		M
G1825M06	18	25	6	65		M
G2025M06	18	25	6	65		M

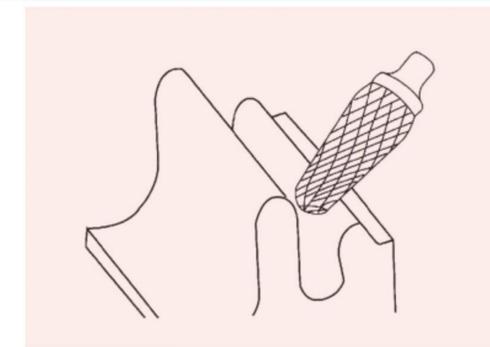
TORCH SHAPED(TYPE H)



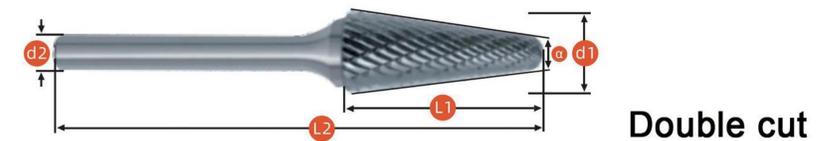
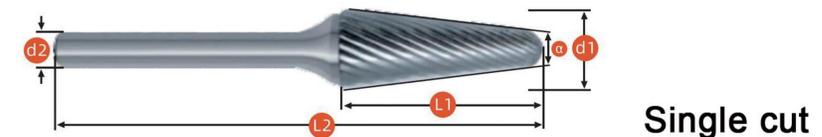
APPLICATION Work on narrow contours



CONICAL ROUND HEAD(TYPE L)



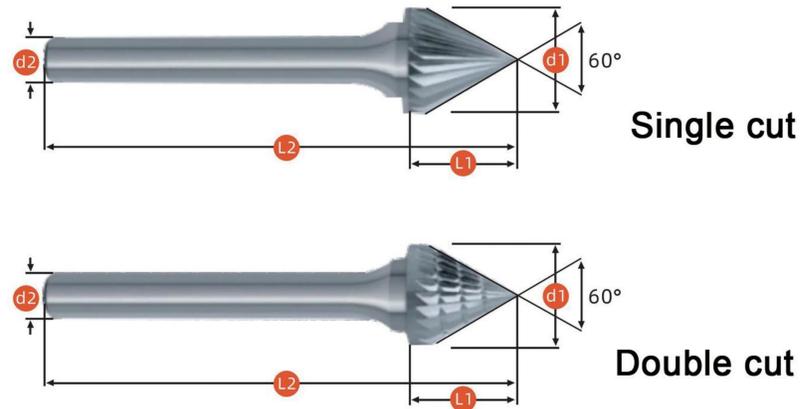
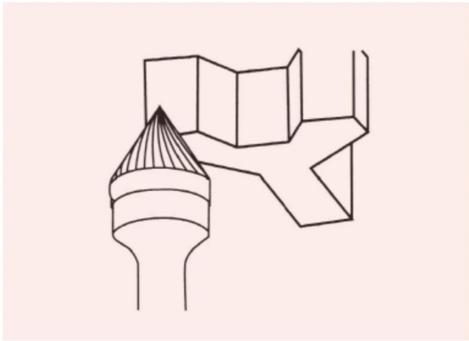
APPLICATION Work on narrow contours and surfaces, surface machining



Order No.	size					Tooth
	d1	L1	d2	L2	A	
H0307M03	3	7	3	38		M
H0413M03	4	13	3	50		M
H0513M03	5	13	3	50		M
H0613M03	6	13	3	51		M
H0618M06	6	18	6	58		M
H0820M06	8	20	6	60		M
H1025M06	10	25	6	60		M
H1232M06	12	32	6	65		M
H1434M06	14	34	6	72		M
H1336M06	16	36	6	75		M

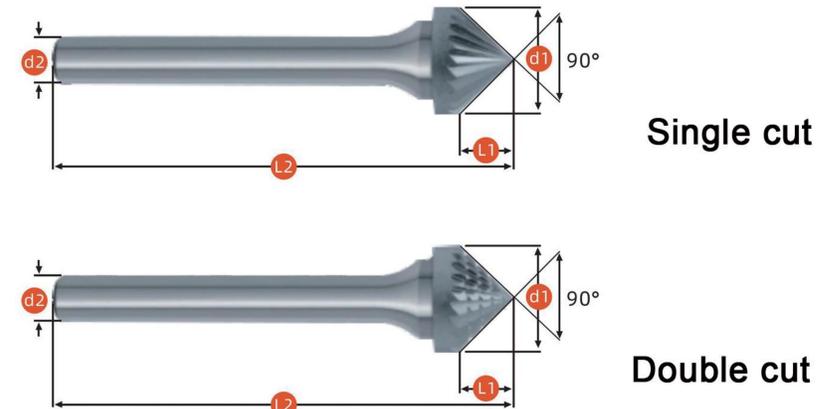
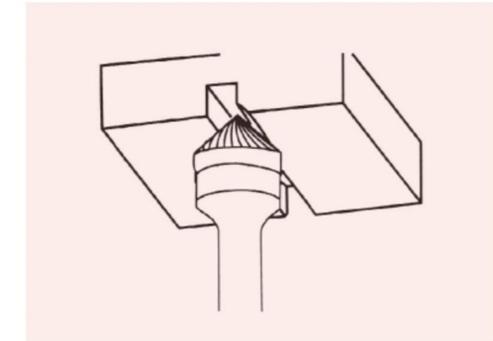
Order No.	size					Tooth
	d1	L1	d2	L2	A	
L0316M03	3	16	3	38		M
L0413M03	4	13	3	50		M
L0513M03	5	13	3	50		M
L0613M03	6	13	3	52		M
L0616M06	6	16	6	56		M
L0822M06	8	22	6	62		M
L1025M06	10	25	6	65		M
L1228M06	12	25	6	68		M
L1428M06	14	28	6	68		M
L1633M06	16	33	6	73		M

60° CONICAL (TYPE J)



APPLICATION Maching of acute-angled areas, countersinking, beveling, chamfering at defined angles

90° CONICAL (TYPE K)

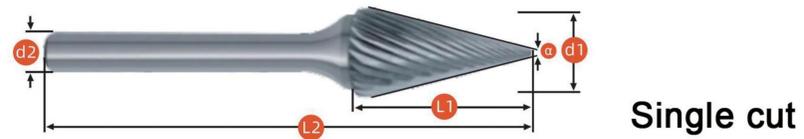
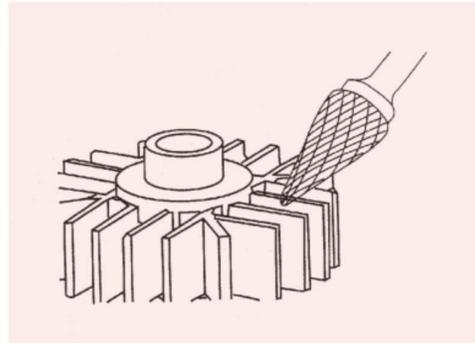


APPLICATION Maching of acute-angled areas, countersinking, beveling, chamfering at defined angles

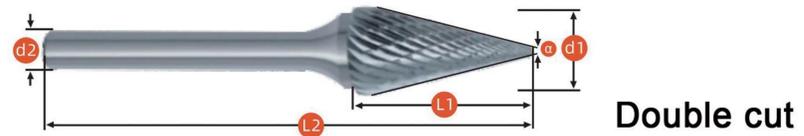
Order No.	size					Tooth
	d1	L1	d2	L2	A	
J0605M06	6	5.2	6	50	60°	M
J0807M06	8	7	6	52	60°	M
J1008M06	10	8.7	6	53	60°	M
J1210M06	12	10.4	6	65	60°	M
J1413M06	14	13	6	65	60°	M
J1613M06	16	13.8	6	65	60°	M

Order No.	size					Tooth
	d1	L1	d2	L2	A	
K0603M06	6	3	6	50	90°	M
K0804M06	8	4	6	50	90°	M
K1005M06	10	5	6	50	90°	M
K1206M06	12	6	6	51	90°	M
K1407M06	14	7	6	53	90°	M
K1608M06	16	8	6	53	90°	M
K1809M06	18	9	6	56	90°	M
K2010M06	20	10	6	58	90°	M
K2518M06	25	18	6	61	90°	M

CONICAL POINT(TYPE M)



Single cut

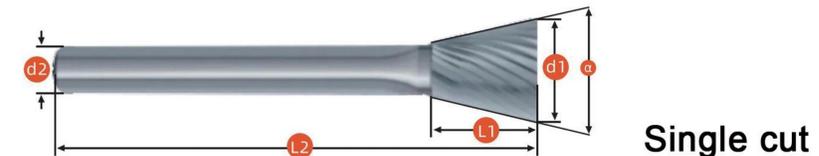
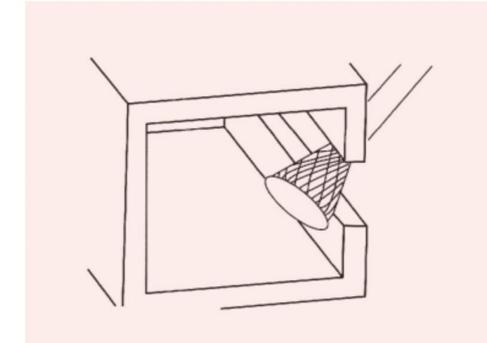


Double cut

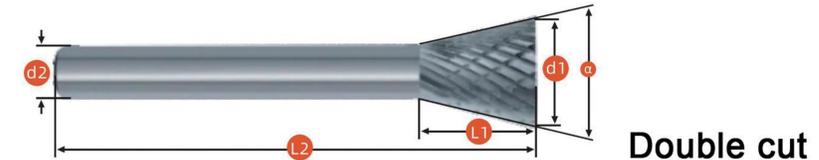
APPLICATION Work on narrow contours and surfaces, surface machining

Order No.	size					Tooth
	d1	L1	d2	L2	A	
M0316M03	3	16	3	38		M
M0413M03	4	13	3	50		M
M0513M03	5	13	3	50		M
M0613M03	6	13	3	52		M
M0618M06	6	18	6	58	14°	M
M0817M06	8	17	6	57	26°	M
M1020M06	10	20	6	60	25°	M
M1225M06	12	25	6	65	25°	M
M1425M06	14	25	6	68	30°	M
M1625M06	16	25	6	68	32°	M
M1825M06	18	25	6	71		M

UPCONING(TYPE N)



Single cut

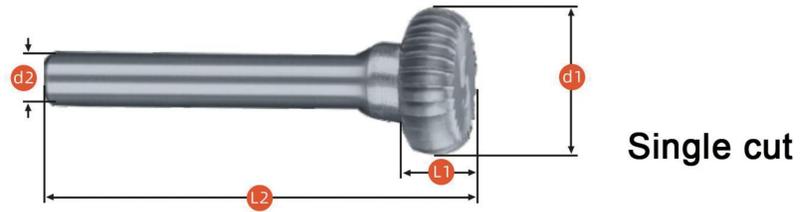
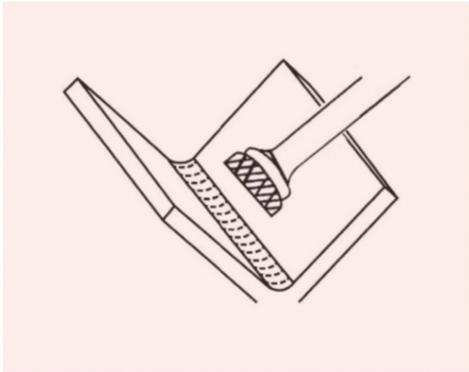


Double cut

APPLICATION Edge machining from the rear in hard to reach areas

Order No.	size					Tooth
	d1	L1	d2	L2	A	
N0607M06	6	7	6	38		
N0810M06	8	10	6	52		
N1010M16	10	10	6	52		
N1213M06	12	13	6	53	20°	
N1616M06	16	16	6	56	20°	
N1005M06	10	5	6	45	18°	
N1205M06	12	5	6	45	22°	
N1606M06	16	6	6	46	22°	

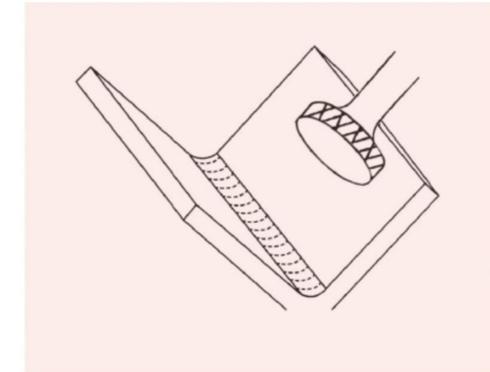
SEMI-CIRCULAR(TYPET)



APPLICATION Deburring, contouring

Order No.	size					Tooth
	d1	L1	d2	L2	A	
T121.5M03	12	1.5	3	40		
T1202M03	12	2	3	40		
T1203M03	12	3	3	40		
T0804M06	8	4	6	44		
T1005M06	10	5	6	45		
T1202M06	12	2	6	45		
T1203M06	12	3	6	45		
T1603M06	16	3	6	46		
T1604M06	16	4	6	46		
T1605M06	16	5	6	46		
T1606M06	16	6	6	46		

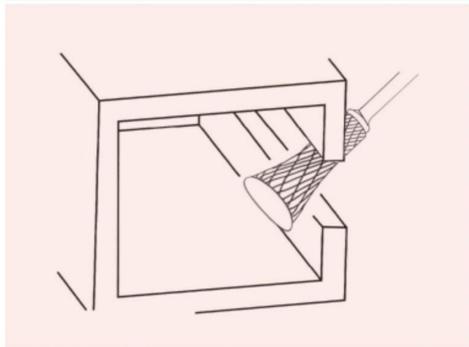
TYPE Y



APPLICATION Deburring, contouring

Order No.	size					Tooth
	d1	L1	d2	L2	A	
Y121.5M03	12	1.5	3	40		M
Y1202M03	12	2	3	40		M
Y1203M03	12	3	3	40		M
Y1202M06	12	2	6	45		M
Y1203M06	12	3	6	45		M
Y1603M06	16	3	6	46		M
Y1604M06	16	4	6	46		M
Y1605M06	16	5	6	46		M
Y1606M06	16	6	6	46		M

TYPE U



APPLICATION Edge machining from the rear in hard to reach areas

Order No.	size					Tooth
	d1	L1	d2	L2	A	
U0615M06	6	15	6	60		M
U0815M06	8	15	6	60		M
U1020M06	10	20	6	60		M
U1225M06	12	25	6	67		M
U1625M06	16	25	6	67		M



6X6 SINGLE GRAIN SET



6X8 SINGLE GRAIN SET



6X10 SINGLE GRAIN SET



6X12 SINGLE GRAIN SET



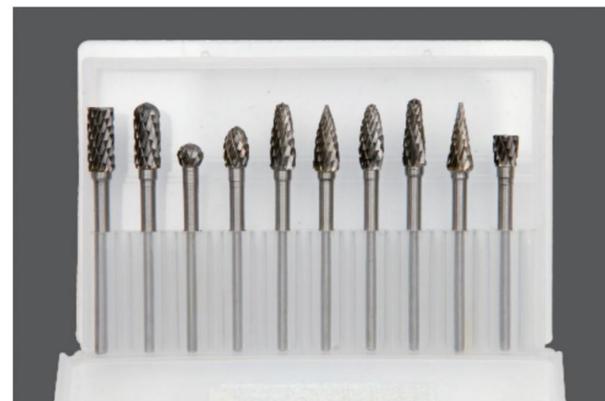
3X3 MIXED SET



8PCS SET HEAD DIAMETER 10 LARGE



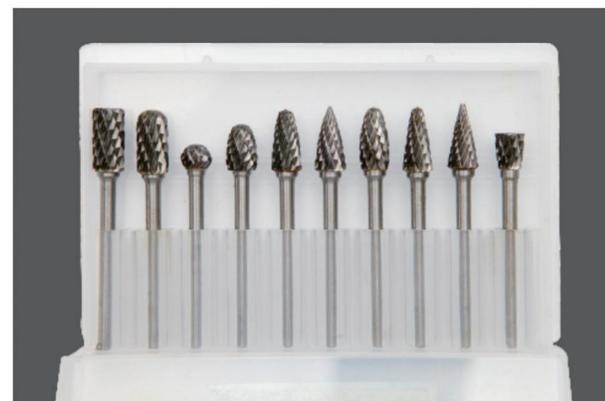
3X4 DOUBLE PATTERN SUIT



3X5 DOUBLE PATTERN SUIT



3X6 SINGLE GRAIN SUIT



3X6 DOUBLE PATTERN SUIT



5PCS DOUBLE PATTERN SET



6X10 DOUBLE PATTERN SET