

TUNGSTEN CARBIDE BURR



PRODUCT CATALOGUE

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PRODUCT CATALOGUE

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FACTORY INTRODUCTION

Zigong Joint Carbide Co., Ltd., founded in 2007, is a professional manufacturer and high-tech enterprise integrating research, development, production and sales of tungsten carbide burrs, tungsten carbide rods, carbide end mills, carbide burr blanks and other carbide products.

Joint Carbide owns a complete supply chain with 3 factories and around 300 sets of 5 axis CNC machines, which have provided services for our clients for more than 18 years around the world including Russia, Ireland, UK, Poland, Turkey, South Korea, Brazil, Argentina, Mexico, India and Pakistan, etc. Our daily production capacity of carbide burrs can reach over 25000-30000 pieces.

COMPANY INTRODUCTION

1. Zigong Joint Carbide Co., Ltd. dedicates on R&D of carbide blanks;
2. Zigong Kingtools Co., Ltd. and Ganzhou Joint Carbide Co., Ltd. mainly aim at producing carbide burrs and carbide end mills;
3. Chengdu Joint Carbide Co., Ltd. works on sales and export of carbide tools.

国家高新技术企业



Contact Us

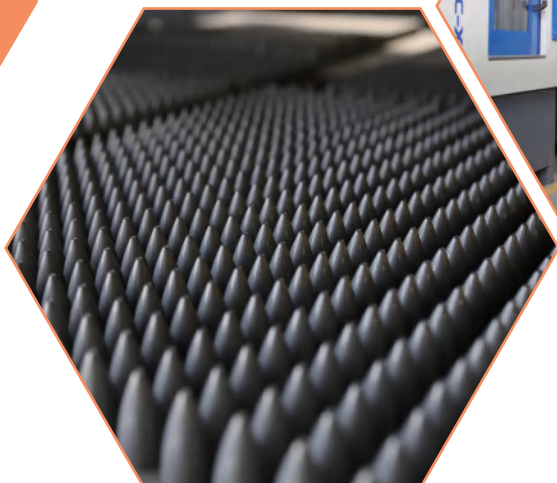
TEL: +86 (028) 61103763 +86 17711576672

EMA: Stephen@groupkts.com Leo@groupkts.com

WEB: www.wuwtools.com

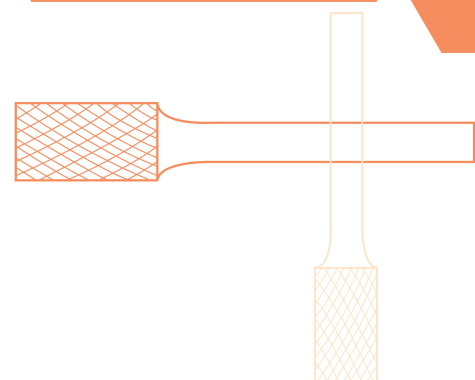
OFFICE ADD: N5-1411 No.1700 North Section of Tianfu, Chengdu City, China.

FACTORY ADD: No.8, Huicai Rd, Yantan Industrial Zone, Zigong City, 643000 China.



Business Philosophy

1. Be an enterprise with trust and respect.
2. Be the world's biggest cutting tools manufacturer.
3. Bring valuable products and good reputation to each customer.



MANUFACTURING PROCESS



Wet Grinding



Pressing



Sintering



Fluting



Testing



Shipping

How to Choose the Most Suitable Carbide Burrs ?

Step One: Chose Device

- ☐ Machine
- ☐ Hand Device

Step Two: Applied Material

Material Type: Stainless steel,
iron, copper, aluminum

Step Three: Operating Speed

Maximum Revolutions
Per Minute

Step Four: Carbide Burrs Shape



Step Five: Cut Type

- ☐ Standard Cut Types
Cut MX / Cut M / Cut W
- ☐ Special Cut Types
Cut C / Cut F / Cut ZX / Cut D
Cut MR / Cut SX / Cut INOX

Refer to P7 for details

Step Six: Standard Cut Diameter

- ☐ Metric Size
3mm — 25mm
- ☐ Inch Size
1/8" — 1"

Step Seven: Standard Shank Diameter

- ☐ Metric Size
3mm / 6mm / 8mm
- ☐ Inch Size
1/8" — 1/4"

Step Eight: Standard Shank Type

- ☐ Solid Carbide (Overall Dia*Overall Length)
3*38mm
6*50mm
- ☐ Brazed Carbide (shank Dia* Shank Length)
3*38mm
6*45mm
8*45mm

Step Nine: Customized Shank Length

- ☐ Metric Size Carbide Shank Length - Brazed
L4-100mm
L6-150mm
L8-200mm
- ☐ Inch Size Carbide Shank Length - Brazed
L4 - 4"
L6 - 6"
L8 - 8"

Step Ten: Contact Us — Joint Carbide

Quotation will be provided within 24 hours.

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EMAIL: Stephen@groupkts.com

Leo@groupkts.com

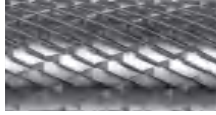
CARBIDE BURR



STANDARD BURRS CATALOGUE

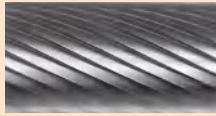
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Standard Cut Types



CUT MX

Double Cut - suitable for machining stainless steel, steel with hardness less than HRC60 and high-temperature-resistant materials



CUT M

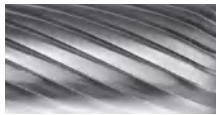
Single Cut - suitable for machining cast iron, steel and stainless steel with hardness less than HRC60



CUT W

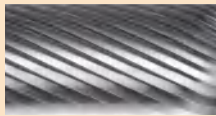
Aluminium Cut - suitable for machining aluminium, aluminium alloys, non-ferrous metals and plastics

Special Cut Types



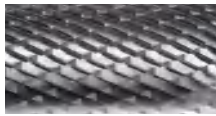
CUT C

Coarse Cut - suitable for fine machining of soft metals, non-ferrous metals, steel and cast iron



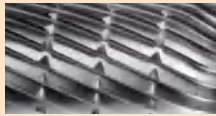
CUT F

Fine Cut - suitable for fine machining of cast iron, steel with hardness less than HRC60 and stainless steel



CUT D

Diamond Cut - suitable for fine machining of all materials with hardness less than HRC60



CUT MR

Chip Breaker Cut - suitable for machining stainless steel, steel and cast iron



CUT SX

Steel Cut - suitable for steel and cast iron machining with better chip evacuation



CUT INOX

INOX Cut - suitable for stainless steel and soft titanium alloys

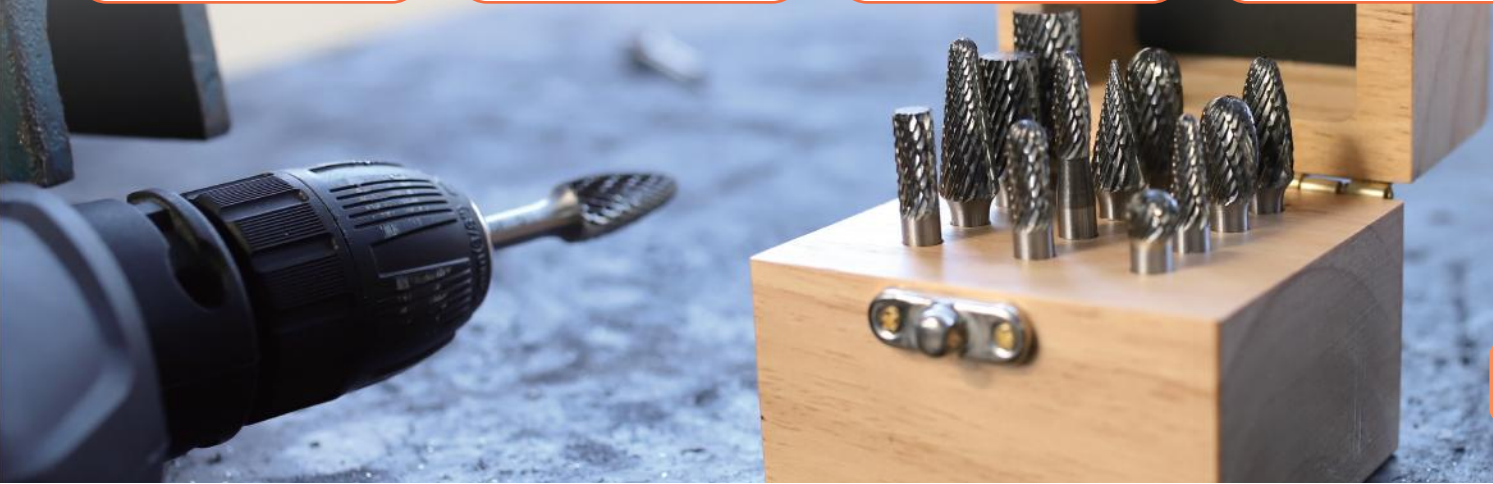
Cut Diameter in Inch	Cut Diameter in Metric	Cutting Speed(m/min)				
		240	360	450	600	900
		Cutting Rotational Speed(RPM)				
1/8	3	26000	38000	48000	64000	95500
3/16	5	18000	26000	32200	40300	61000
1/4	6	13400	20500	24200	32000	48000
5/16	8	9600	15500	18400	24000	36500
3/8	10	8200	12500	14500	21500	29500
1/2	12	6500	10500	12200	16500	24500
5/8	16	5200	8500	9000	12000	18100
3/4	20	4100	7100	8300	11000	14500
1	25	3200	5200	6100	8200	11500

SERIES OF SETS

Carbide burr sets contain different sizes and shapes of burrs can match customer's different requirements on usage.

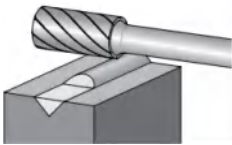


1. Diameter 6mm or 1/4" Shank 10PCS of Sets
2. Diameter 6mm or 1/4" Shank 5PCS of Sets
3. Diameter 6mm or 1/4" Shank 8PCS of Sets
4. Diameter 3mm Shank & 6mm Head 10PCS of Sets
5. Diameter 3mm Shank & 3mm Head 20PCS of Sets
6. Diameter 6mm or 1/4" Shank 12PCS of Sets



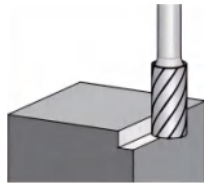


Cylinder Shape



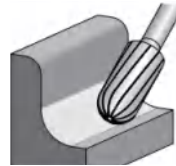
SA

Cylinder Shape With End Cut



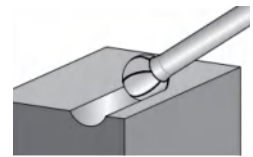
SB

Ball Nosed Cylinder Shape



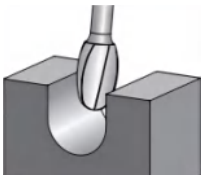
SC

Ball Shape



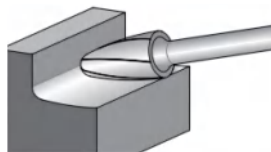
SD

Oval Shape



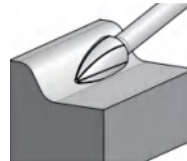
SE

Tree Shape



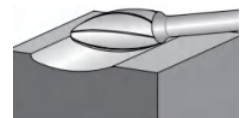
SF

Pointed Tree Shape



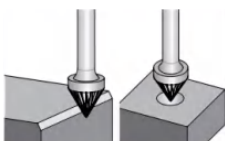
SG

Flame Shape



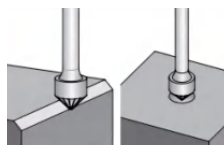
SH

60° Countersink Shape



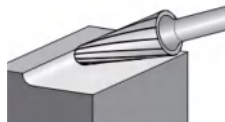
SJ

90° Countersink Shape



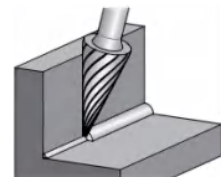
SK

Ball Nosed Cone Shape



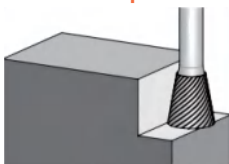
SL

Cone Shape



SM

Inverted Cone Shape



SN

ALL KINDS OF SHAPE
APPLICABLE SCENARIOS

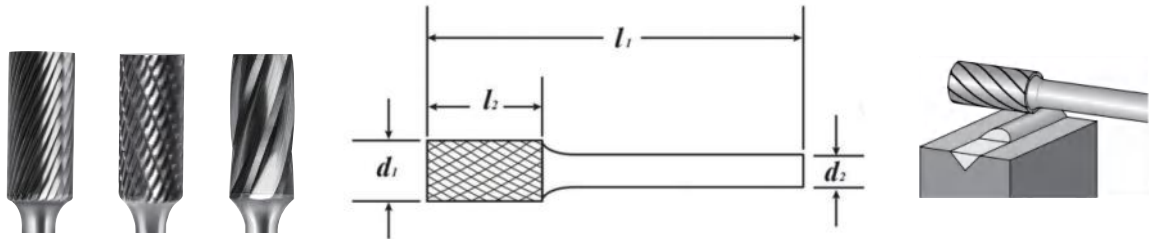




TYPE A CARBIDE BURR

Burr Shape - Cylinder

Type A carbide burr is suitable for machining surface profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
3.0	3	14	3	38	SA30314	Solid
	4	13	3	51	SA30413	Brazed
	5	13	3	51	SA30513	Brazed
	6	13	3	51	SA30613	Brazed
6.0	6	16	6	50	SA60616	Solid
	6	16	6	61	SA60616	Brazed
	8	20	6	65	SA60820	Brazed
	10	20	6	65	SA61020	Brazed
	11	25	6	70	SA61125	Brazed
	12	25	6	70	SA61225	Brazed
	16	25	6	70	SA61625	Brazed
	20	25	6	70	SA62025	Brazed
	25	25	6	70	SA62525	Brazed
8.0	10	20	8	65	SA81020	Brazed
	11	25	8	70	SA81125	Brazed
	12	25	8	70	SA81225	Brazed
	16	25	8	70	SA81625	Brazed
	20	25	8	70	SA82025	Brazed
	25	25	8	70	SA82525	Brazed

Inch Size

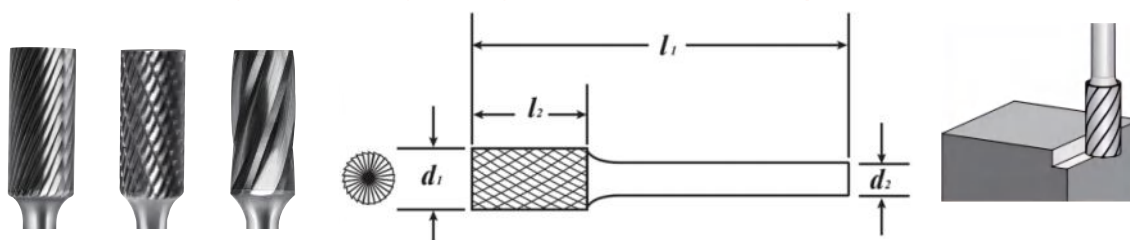
Shank Diameter	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SA-43	Solid
	1/4	1/2	1/8	2	SA-51	Brazed
1/4	1/4	5/8	1/4	2	SA-1	Solid
	1/4	5/8	1/4	2-3/8	SA-1	Brazed
	5/16	3/4	1/4	2-1/2	SA-2	Brazed
	3/8	3/4	1/4	2-1/2	SA-3	Brazed
	7/16	1	1/4	2-3/4	SA-4	Brazed
	1/2	1	1/4	2-3/4	SA-5	Brazed
	5/8	1	1/4	2-3/4	SA-6	Brazed
	3/4	1	1/4	2-3/4	SA-7	Brazed
	7/8	1	1/4	2-3/4	SA-8	Brazed
	1	1	1/4	2-3/4	SA-9	Brazed



TYPE B CARBIDE BURR

Burr Shape - Cylinder With End Cut

Type B carbide burr is suitable for machining surface profile and the interchange of two right angle surfaces of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
3.0	3	14	3	38	SB30314	Solid
	4	13	3	51	SB30413	Brazed
	5	13	3	51	SB30513	Brazed
	6	13	3	51	SB30613	Brazed
6.0	6	16	6	50	SB60616	Solid
	6	16	6	61	SB60616	Brazed
	8	20	6	65	SB60820	Brazed
	10	20	6	65	SB61020	Brazed
	11	25	6	70	SB61125	Brazed
	12	25	6	70	SB61225	Brazed
	16	25	6	70	SB61625	Brazed
	20	25	6	70	SB62025	Brazed
	25	25	6	70	SB62525	Brazed
8.0	10	20	8	65	SB81020	Brazed
	11	25	8	70	SB81125	Brazed
	12	25	8	70	SB81225	Brazed
	16	25	8	70	SB81625	Brazed
	20	25	8	70	SB82025	Brazed
	25	25	8	70	SB82525	Brazed

Inch Size

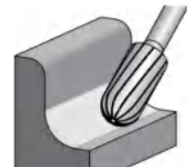
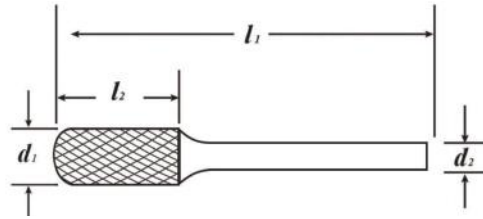
Shank Diameter	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SB-43	Solid
	1/4	1/2	1/8	2	SB-51	Brazed
1/4	1/4	5/8	1/4	2	SB-1	Solid
	1/4	5/8	1/4	2-3/8	SB-1	Brazed
	5/16	3/4	1/4	2-1/2	SB-2	Brazed
	3/8	3/4	1/4	2-1/2	SB-3	Brazed
	7/16	1	1/4	2-3/4	SB-4	Brazed
	1/2	1	1/4	2-3/4	SB-5	Brazed
	5/8	1	1/4	2-3/4	SB-6	Brazed
	3/4	1	1/4	2-3/4	SB-7	Brazed
	7/8	1	1/4	2-3/4	SB-8	Brazed
	1	1	1/4	2-3/4	SB-9	Brazed



TYPE C CARBIDE BURR

Burr Shape - Ball Nosed Cylinder

Type C carbide burr is suitable for machining surface profile and circular arc profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	14	3	38	SC30314	Solid
	4	13	3	51	SC30413	Brazed
	5	13	3	51	SC30513	Brazed
	6	13	3	51	SC30613	Brazed
6.0	6	16	6	50	SC60616	Solid
	6	16	6	61	SC60616	Brazed
	8	20	6	65	SC60820	Brazed
	10	20	6	65	SC61020	Brazed
	11	25	6	70	SC61125	Brazed
	12	25	6	70	SC61225	Brazed
	16	25	6	70	SC61625	Brazed
	20	25	6	70	SC62025	Brazed
	25	25	6	70	SC62525	Brazed
8.0	10	20	8	65	SC81020	Brazed
	11	25	8	70	SC81125	Brazed
	12	25	8	70	SC81225	Brazed
	16	25	8	70	SC81625	Brazed
	20	25	8	70	SC82025	Brazed
	25	25	8	70	SC82525	Brazed

Inch Size

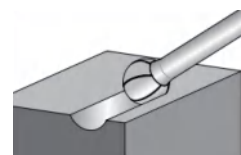
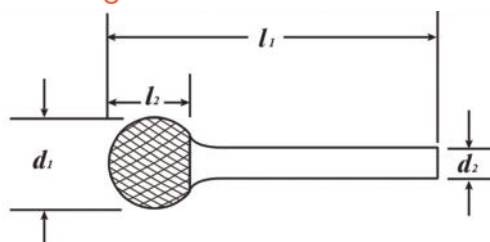
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SC-43	Solid
	1/4	1/2	1/8	2	SC-51	Brazed
1/4	1/4	5/8	1/4	2	SC-1	Solid
	1/4	5/8	1/4	2-3/8	SC-1	Brazed
	5/16	3/4	1/4	2-1/2	SC-2	Brazed
	3/8	3/4	1/4	2-1/2	SC-3	Brazed
	7/16	1	1/4	2-3/4	SC-4	Brazed
	1/2	1	1/4	2-3/4	SC-5	Brazed
	5/8	1	1/4	2-3/4	SC-6	Brazed
	3/4	1	1/4	2-3/4	SC-7	Brazed
	7/8	1	1/4	2-3/4	SC-8	Brazed
	1	1	1/4	2-3/4	SC-9	Brazed



TYPE D CARBIDE BURR

Burr Shape - Ball Shape

Type D carbide burr is suitable for machining circular arc profile and removing burrs at welding area



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	2	3	38	SD30302	Solid
	4	3	3	41	SD30403	Brazed
	5	4	3	42	SD30504	Brazed
	6	5	3	43	SD30605	Brazed
6.0	6	5	6	50	SD60605	Solid
	6	5	6	50	SD60605	Brazed
	8	7	6	52	SD60807	Brazed
	10	9	6	54	SD61009	Brazed
	11	10	6	55	SD61110	Brazed
	12	10	6	55	SD61210	Brazed
	16	14	6	59	SD61614	Brazed
	20	18	6	63	SD62018	Brazed
	25	21	6	66	SD62521	Brazed
8.0	10	9	8	54	SD81009	Brazed
	11	10	8	55	SD81110	Brazed
	12	10	8	55	SD81210	Brazed
	16	14	8	59	SD81614	Brazed
	20	18	8	63	SD82018	Brazed
	25	21	8	66	SD82521	Brazed

Inch Size

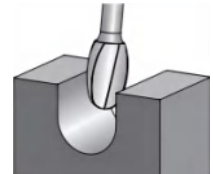
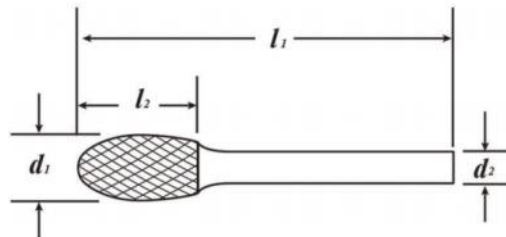
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/8	1/8	1-1/2	SD-42	Solid
	1/4	7/32	1/8	2	SD-51	Brazed
1/4	1/4	7/32	1/4	2	SD-1	Solid
	1/4	7/32	1/4	1-31/32	SD-1	Brazed
	5/16	1/4	1/4	2	SD-2	Brazed
	3/8	5/16	1/4	2-1/16	SD-3	Brazed
	7/16	3/8	1/4	2-1/7	SD-4	Brazed
	1/2	7/16	1/4	2-1/5	SD-5	Brazed
	5/8	9/16	1/4	2-1/3	SD-6	Brazed
	3/4	11/16	1/4	2-4/9	SD-7	Brazed
	7/8	1	1/4	2-3/4	SD-8	Brazed
	1	15/16	1/4	2-2/3	SD-9	Brazed



TYPE E CARBIDE BURR

Burr Shape - Oval Shape

Type E carbide burr is suitable for machining circular arc profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	6	3	38	SE30306	Solid
	4	7	3	45	SE30407	Brazed
	5	8	3	46	SE30508	Brazed
	6	10	3	48	SE30610	Brazed
6.0	6	10	6	50	SE60610	Solid
	6	10	6	55	SE60610	Brazed
	8	13	6	58	SE60813	Brazed
	10	16	6	61	SE61016	Brazed
	12	20	6	65	SE61220	Brazed
	16	25	6	70	SE61625	Brazed
	20	25	6	70	SE62025	Brazed
	25	25	6	70	SE62525	Brazed
8.0	10	16	8	61	SE81016	Brazed
	12	20	8	65	SE81220	Brazed
	16	25	8	70	SE81625	Brazed
	20	25	8	70	SE82025	Brazed
	25	25	8	70	SE82525	Brazed

Inch Size

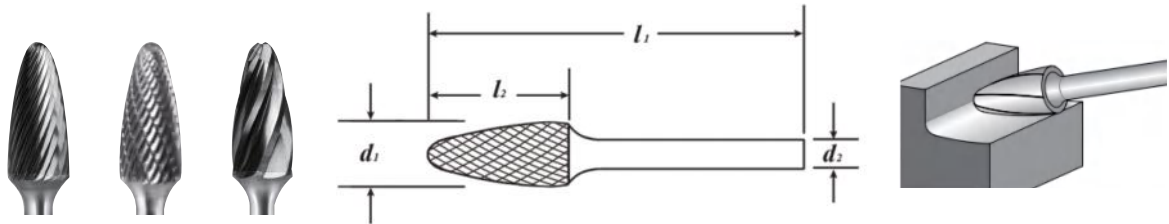
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/4	1/8	1-1/2	SE-41	Solid
	1/4	3/8	1/8	1-8/9	SE-51	Brazed
1/4	1/4	3/8	1/4	2	SE-1	Solid
	1/4	3/8	1/4	2-1/8	SE-1	Brazed
	5/16	1/2	1/4	2-1/4	SE-2	Brazed
	3/8	5/8	1/4	2-3/8	SE-3	Brazed
	1/2	7/8	1/4	2-5/8	SE-5	Brazed
	5/8	1	1/4	2-3/4	SE-6	Brazed
	3/4	1	1/4	2-3/4	SE-7	Brazed



TYPE F CARBIDE BURR

Burr Shape - Tree Shape

Type F carbide burr is suitable for machining circular arc profile of workpiece which in confined space



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	14	3	38	SF30314	Solid
	4	13	3	51	SF30413	Brazed
	5	13	3	51	SF30513	Brazed
	6	13	3	51	SF30613	Brazed
6.0	6	16	6	50	SF60616	Solid
	6	18	6	63	SF60618	Brazed
	8	20	6	65	SF60820	Brazed
	10	20	6	65	SF61020	Brazed
	11	25	6	70	SF61125	Brazed
	12	25	6	70	SF61225	Brazed
	16	25	6	70	SF61625	Brazed
	20	25	6	70	SF62025	Brazed
	25	25	6	70	SF62525	Brazed
8.0	10	20	8	65	SF81020	Brazed
	11	25	8	70	SF81125	Brazed
	12	25	8	70	SF81225	Brazed
	16	25	8	70	SF81625	Brazed
	20	25	8	70	SF82025	Brazed
	25	25	8	70	SF82525	Brazed

Inch Size

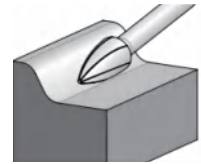
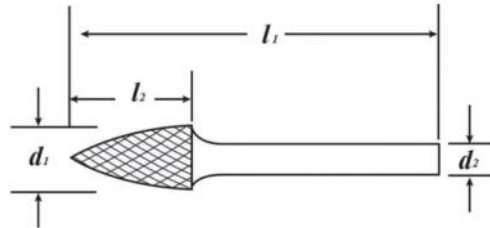
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SF-42	Solid
	1/4	1/2	1/8	2	SF-51	Brazed
1/4	1/4	5/8	1/4	2	SF-1	Solid
	1/4	5/8	1/4	2-3/8	SF-1	Brazed
	5/16	3/4	1/4	2-1/2	SF-2	Brazed
	3/8	3/4	1/4	2-1/2	SF-3	Brazed
	7/16	1	1/4	2-3/4	SF-4	Brazed
	1/2	1	1/4	2-3/4	SF-5	Brazed
	5/8	1	1/4	2-3/4	SF-6	Brazed
	3/4	1	1/4	2-3/4	SF-7	Brazed
	3/4	1-1/4	1/4	3	SF-14	Brazed
	3/4	1-1/2	1/4	3-1/4	SF-15	Brazed



TYPE G CARBIDE BURR

Burr Shape - Pointed Tree

Type G carbide burr is suitable for machining circular arc profile which in confined spaces and acute-angled profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	14	3	38	SG30314	Solid
	4	13	3	51	SG30413	Brazed
	5	13	3	51	SG30513	Brazed
	6	13	3	51	SG30613	Brazed
6.0	6	16	6	50	SG60616	Solid
	6	18	6	63	SG60618	Brazed
	8	20	6	65	SG60820	Brazed
	10	20	6	65	SG61020	Brazed
	12	25	6	70	SG61225	Brazed
	16	25	6	70	SG61625	Brazed
	20	25	6	70	SG62025	Brazed
	25	25	6	70	SG62525	Brazed
8.0	10	20	8	65	SG81020	Brazed
	12	25	8	70	SG81225	Brazed
	16	25	8	70	SG81625	Brazed
	20	25	8	70	SG82025	Brazed
	25	25	8	70	SG82525	Brazed

Inch Size

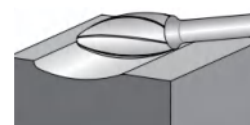
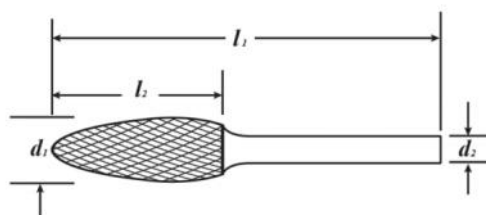
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SG-44	Solid
	1/4	1/2	1/8	2	SG-51	Brazed
1/4	1/4	5/8	1/4	2	SG-1	Solid
	1/4	5/8	1/4	2-3/8	SG-1	Brazed
	5/16	3/4	1/4	2-1/2	SG-2	Brazed
	3/8	3/4	1/4	2-1/2	SG-3	Brazed
	1/2	1	1/4	2-3/4	SG-5	Brazed
	5/8	1	1/4	2-3/4	SG-6	Brazed
	3/4	1	1/4	2-3/4	SG-7	Brazed
	3/4	1-1/2	1/4	3-1/4	SG-15	Brazed



TYPE H CARBIDE BURR

Burr Shape - Flame Shape

Type H carbide burr is suitable for machining circular arc profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	6	3	38	SH30306	Solid
	4	13	3	51	SH30413	Brazed
	5	13	3	51	SH30513	Brazed
	6	13	3	51	SH30613	Brazed
6.0	6	16	6	50	SH60616	Solid
	6	18	6	63	SH60618	Brazed
	8	20	6	65	SH60820	Brazed
	10	25	6	70	SH61025	Brazed
	12	32	6	77	SH61232	Brazed
	16	36	6	81	SH61636	Brazed
	19	41	6	86	SH61941	Brazed
8.0	10	25	8	70	SH81025	Brazed
	12	32	8	77	SH81232	Brazed
	16	36	8	81	SH81636	Brazed
	19	41	8	86	SH81941	Brazed

Inch Size

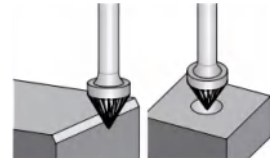
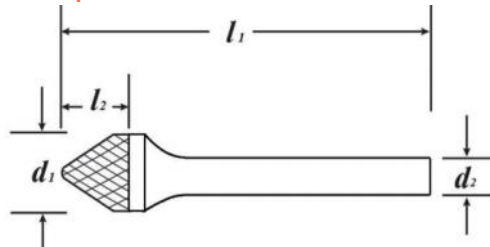
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/4	1/8	1-1/2	SH-42	Solid
	1/4	1/2	1/8	2	SH-51	Brazed
1/4	1/4	5/8	1/4	2	SH-1	Solid
	1/4	5/8	1/4	2-3/8	SH-1	Brazed
	5/16	3/4	1/4	2-1/2	SH-2	Brazed
	3/8	1	1/4	2-3/4	SH-3	Brazed
	1/2	1-1/4	1/4	3	SH-5	Brazed
	5/8	1-7/16	1/4	3-1/5	SH-6	Brazed
	3/4	1-5/8	1/4	3-3/8	SH-7	Brazed



TYPE J CARBIDE BURR

Burr Shape - 60° Countersink

Type J carbide burr is suitable for machining 60° counter boring arc chamfering of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
3.0	3	2	3	38	SJ30302	Solid
6.0	6	5	6	50	SJ60605	Solid
	6	5	6	52	SJ60605	Brazed
	8	6	6	54	SJ60806	Brazed
	10	8	6	56	SJ61008	Brazed
	12	10	6	58	SJ61210	Brazed
	16	13	6	63	SJ61613	Brazed
	19	16	6	65	SJ61916	Brazed
	25	21	6	70	SJ62521	Brazed
8.0	10	8	8	56	SJ81008	Brazed
	12	10	8	58	SJ81210	Brazed
	16	13	8	63	SJ81613	Brazed
	19	16	8	65	SJ81916	Brazed
	25	21	8	70	SJ82521	Brazed

Inch Size

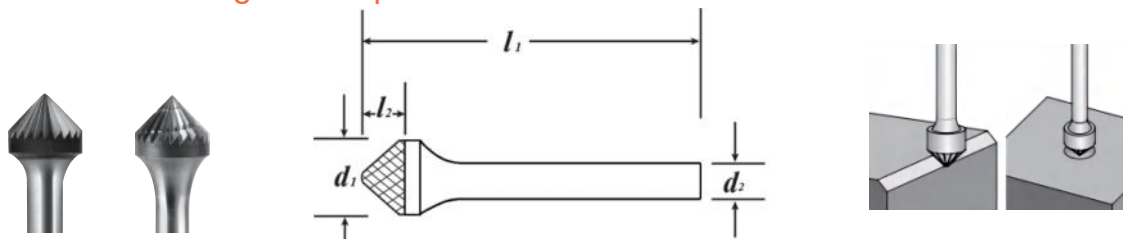
Shank Diameter	Cutting Diameter(d_1)	Cutting Length(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Tool No.	Type
1/8	1/8	3/32	1/8	1-1/2	SJ-42	Solid
1/4	1/4	3/16	1/4	2	SJ-1	Solid
	1/4	3/16	1/4	2	SJ-1	Brazed
	3/8	5/16	1/4	2-1/5	SJ-3	Brazed
	1/2	7/16	1/4	2-1/3	SJ-5	Brazed
	5/8	9/16	1/4	2-4/9	SJ-6	Brazed
	3/4	11/16	1/4	2-5/9	SJ-7	Brazed
	1	15/16	1/4	2-7/9	SJ-9	Brazed



TYPE K CARBIDE BURR

Burr Shape - 90° Countersink

Type k carbide burr is suitable for machining 90° counter boring arc chamfering of workpiece

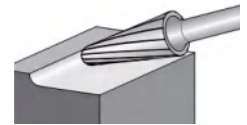
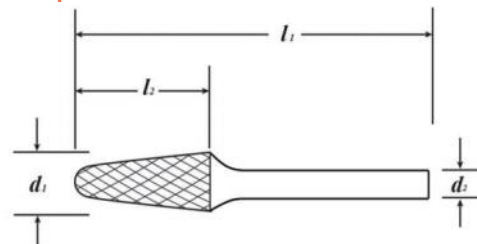


Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	1.5	3	38	SK30315	Solid
6.0	6	3	6	50	SK60603	Solid
	6	3	6	50	SK60603	Brazed
	8	4	6	52	SK60804	Brazed
	10	5	6	53	SK61005	Brazed
	12	6	6	54	SK61206	Brazed
	16	8	6	57	SK61608	Brazed
	19	9	6	58	SK61909	Brazed
	25	12	6	61	SK62512	Brazed
8.0	10	5	8	53	SK81005	Brazed
	12	6	8	54	SK81206	Brazed
	16	8	8	57	SK81608	Brazed
	19	9	8	58	SK81909	Brazed
	25	12	8	61	SK82512	Brazed

Inch Size

Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/16	1/8	1-1/2	SK-42	Solid
1/4	1/4	1/8	1/4	2	SK-1	Solid
	1/4	1/8	1/4	2	SK-1	Brazed
	3/8	3/16	1/4	2-1/16	SK-3	Brazed
	1/2	1/4	1/4	2-1/9	SK-5	Brazed
	5/8	5/16	1/4	2-1/4	SK-6	Brazed
	3/4	3/8	1/4	2-1/3	SK-7	Brazed
	1	1/2	1/4	2-3/8	SK-9	Brazed



TYPE L CARBIDE BURR

Burr Shape - Ball Nosed Cone

Type L carbide burr is suitable for machining narrow profile and surface profile of workpiece

Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	14	3	38	SL30314	Solid
	4	13	3	51	SL30413	Brazed
	5	13	3	51	SL30513	Brazed
	6	13	3	51	SL30613	Brazed
6.0	6	16	6	50	SL60616	Solid
	6	16	6	61	SL60616	Brazed
	8	22	6	67	SL60822	Brazed
	10	25	6	70	SL61025	Brazed
	12	28	6	73	SL61228	Brazed
	16	33	6	78	SL61633	Brazed
	20	31	6	76	SL62031	Brazed
	25	45	6	90	SL62545	Brazed
8.0	10	25	8	70	SL81025	Brazed
	12	28	8	73	SL81228	Brazed
	16	33	8	78	SL81633	Brazed
	20	31	8	76	SL82031	Brazed
	25	45	8	90	SL82545	Brazed

Inch Size

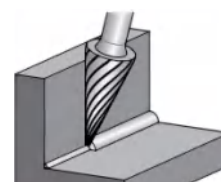
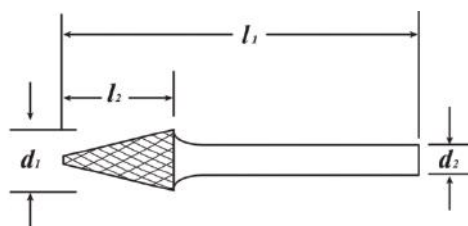
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	1/2	1/8	1-1/2	SL-42	Solid
	1/4	1/2	1/8	2	SL-51	Brazed
1/4	1/4	5/8	1/4	2	SL-1	Solid
	1/4	5/8	1/4	2-3/8	SL-1	Brazed
	5/16	7/8	1/4	2-3/4	SL-2	Brazed
	3/8	1-1/16	1/4	2-15/16	SL-3	Brazed
	1/2	1-1/8	1/4	3	SL-4	Brazed
	5/8	1-3/16	1/4	3-1/16	SL-5	Brazed
	5/8	1-5/16	1/4	3-1/5	SL-6	Brazed
	3/4	1-1/2	1/4	3-3/8	SL-7	Brazed



TYPE M CARBIDE BURR

Burr Shape - Cone Shape

Type M carbide burr is suitable for machining narrow profile and surface profile of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	11	3	38	SM30311	Solid
	4	13	3	51	SM30413	Brazed
	5	13	3	51	SM30513	Brazed
	6	13	3	51	SM30613	Brazed
6.0	6	19	6	50	SM60619	Solid
	6	18	6	63	SM60618	Brazed
	8	20	6	65	SM60820	Brazed
	10	20	6	65	SM61020	Brazed
	12	25	6	70	SM61225	Brazed
	16	25	6	70	SM61625	Brazed
	19	25	6	70	SM62025	Brazed
	22	25	6	70	SM62525	Brazed
8.0	10	20	8	65	SM81020	Brazed
	12	25	8	70	SM81225	Brazed
	16	25	8	70	SM81625	Brazed
	19	25	8	70	SM82025	Brazed
	22	25	8	70	SM82525	Brazed

Inch Size

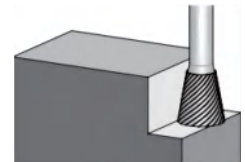
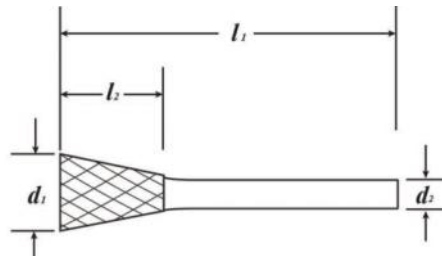
Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	7/16	1/8	1-1/2	SM-42	Solid
	1/4	1/2	1/8	2	SM-51	Brazed
1/4	1/4	1/2	1/4	2	SM-1	Solid
	1/4	5/8	1/4	2-3/8	SM-1	Brazed
	1/4	3/4	1/4	2-1/2	SM-2	Brazed
	1/4	1	1/4	2-3/4	SM-3	Brazed
	3/8	5/8	1/4	2-1/2	SM-4	Brazed
	1/2	7/8	1/4	2-3/4	SM-5	Brazed
	5/8	1	1/4	2-8/9	SM-6	Brazed



TYPE N CARBIDE BURR

Burr Shape - Inverted Cone

Type N carbide burr is suitable for machining the internal chamfers of workpiece



Metric Size

Shank Diameter(mm)	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
3.0	3	4	3	38	SN30304	Solid
	4	5	3	43	SN30405	Brazed
	5	6	3	44	SN30506	Brazed
	6	7	3	45	SN30607	Brazed
6.0	6	7	6	50	SN60607	Solid
	6	7	6	52	SN60607	Brazed
	8	9	6	54	SN60809	Brazed
	10	10	6	55	SN61010	Brazed
	12	13	6	58	SN61213	Brazed
	16	16	6	61	SN61616	Brazed
8.0	10	10	8	55	SN81010	Brazed
	12	13	8	58	SN81213	Brazed
	16	16	8	61	SN81616	Brazed

Inch Size

Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Overall Length(l ₁)	Tool No.	Type
1/8	1/8	3/16	1/8	1-1/2	SN-42	Solid
	1/4	1/4	1/8	1-3/4	SN-51	Brazed
1/4	1/4	5/16	1/4	2	SN-1	Solid
	1/4	5/16	1/4	2-1/16	SN-1	Brazed
	3/8	3/8	1/4	2-1/9	SN-2	Brazed
	1/2	1/2	1/4	2-1/4	SN-4	Brazed
	5/8	3/4	1/4	2-1/2	SN-6	Brazed
	3/4	5/8	1/4	2-3/8	SN-7	Brazed

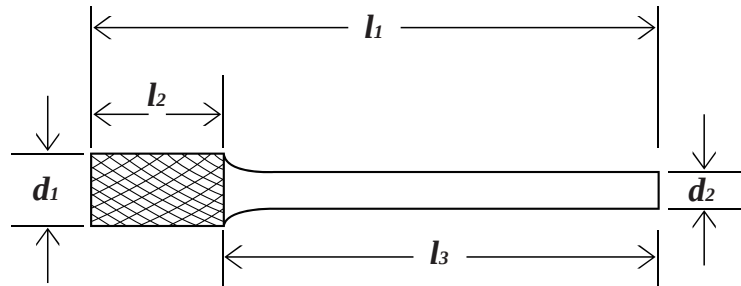
CARBIDE BURR LONG SHANK

10 shapes standard carbide burrs long shanks

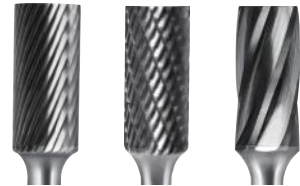
Shank length (Metric - Inch)

L4" - 100MM

L6" - 150MM



A - Cylinder Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	16	6	100	116	SA60616-L4
	8	20	6	100	120	SA60820-L4
	10	20	6	100	120	SA61020-L4
	12	25	6	100	125	SA61225-L4
L6	6	16	6	150	166	SA60616-L6
	8	20	6	150	170	SA60820-L6
	10	20	6	150	170	SA61020-L6
	12	25	6	150	175	SA61225-L6

B - Cylinder Shape With End Cut



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	16	6	100	116	SB60616-L4
	8	20	6	100	120	SB60820-L4
	10	20	6	100	120	SB61020-L4
	12	25	6	100	125	SB61225-L4
L6	6	16	6	150	166	SB60616-L6
	8	20	6	150	170	SB60820-L6
	10	20	6	150	170	SB61020-L6
	12	25	6	150	175	SB61225-L6

C - Ball Nosed Cylinder Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	16	6	100	116	SC60616-L4
	8	20	6	100	120	SC60820-L4
	10	20	6	100	120	SC61020-L4
	12	25	6	100	125	SC61225-L4
L6	6	16	6	150	166	SC60616-L6
	8	20	6	150	170	SC60820-L6
	10	20	6	150	170	SC61020-L6
	12	25	6	150	175	SC61225-L6

D - Ball Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	5	6	100	105	SD60605-L4
	8	7	6	100	107	SD60807-L4
	10	9	6	100	109	SD61009-L4
	12	10	6	100	110	SD61210-L4
L6	6	5	6	150	155	SD60605-L6
	8	7	6	150	157	SD60807-L6
	10	9	6	150	159	SD61009-L6
	12	10	6	150	160	SD61210-L6

E - Oval Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	10	6	100	110	SE60610-L4
	8	13	6	100	113	SE60813-L4
	10	16	6	100	116	SE61016-L4
	12	20	6	100	120	SE61220-L4
L6	6	10	6	150	160	SE60610-L6
	8	13	6	150	163	SE60813-L6
	10	16	6	150	166	SE61016-L6
	12	20	6	150	170	SE61220-L6

F - Tree Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	18	6	100	118	SF60618-L4
	8	20	6	100	120	SF60820-L4
	10	20	6	100	120	SF61020-L4
	12	25	6	100	125	SF61225-L4
L6	6	18	6	150	168	SF60618-L6
	8	20	6	150	170	SF60820-L6
	10	20	6	150	170	SF61020-L6
	12	25	6	150	175	SF61225-L6

G - Pointed Tree Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	18	6	100	118	SG60618-L4
	8	20	6	100	120	SG60820-L4
	10	20	6	100	120	SG61020-L4
	12	25	6	100	125	SG61225-L4
L6	6	18	6	150	168	SG60618-L6
	8	20	6	150	170	SG60820-L6
	10	20	6	150	170	SG61020-L6
	12	25	6	150	175	SG61225-L6

H - Flame Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	18	6	100	118	SH60618-L4
	8	20	6	100	120	SH60820-L4
	10	25	6	100	125	SH61025-L4
	12	32	6	100	132	SH61232-L4
L6	6	18	6	150	168	SH60618-L6
	8	20	6	150	170	SH60820-L6
	10	25	6	150	175	SH61025-L6
	12	32	6	150	182	SH61232-L6

L - Ball Nosed Cone Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	16	6	100	116	SL60616-L4
	8	22	6	100	122	SL60822-L4
	10	25	6	100	125	SL61025-L4
	12	28	6	100	128	SL61228-L4
L6	6	16	6	150	166	SL60616-L6
	8	22	6	150	172	SL60822-L6
	10	25	6	150	175	SL61025-L6
	12	28	6	150	178	SL61228-L6

M - Cone Shape



Shank Diameter	Cutting Diameter(d ₁)	Cutting Length(l ₂)	Shank Diameter(d ₂)	Shank Length(l ₃)	Overall Length(l ₁)	Tool No.
L4	6	18	6	100	118	SM60618-L4
	8	20	6	100	120	SM60820-L4
	10	20	6	100	120	SM61020-L4
	12	25	6	100	125	SM61225-L4
L6	6	18	6	150	168	SM60618-L6
	8	20	6	150	170	SM60820-L6
	10	20	6	150	170	SM61020-L6
	12	25	6	150	175	SG61225-L6





PRODUCT DISPLAY



PRODUCT APPLICATION SCENARIO



RECOMMENDATION FOR USE

- Please choose the appropriate rotational speed before grinding.
- Please choose suitable burr shape, diameter and cut type for different applied material machining.
- Please confirm that the burr shank and chuck of die grinder are connected firmly before using.
- Avoid too much pressure on burrs while grinding. High temperature caused will shorten burrs' lifespan.
- Show down the machine when burrs are stuck in the material.
- Do not use burrs in the combustible gas environment.
- Please wear glasses and gloves as protection before grinding.

Application Notes



Safety Glasses



Ear Protection



Face Mask



Protective Gloves





CONTACT US

TEL: +86 (028) 61103763 +86 17711576672

EMA: Stephen@groupkts.com; Leo@groupkts.com

WEB: www.wuwtools.com

OFFICE ADD: N5-1411 No.1700 North Section of Tianfu, Chengdu City, China.

FACTORY ADD: No.8, Huicai Rd, Yantan Industrial Zone, Zigong City, 643000 China.

