DiC TOOLS

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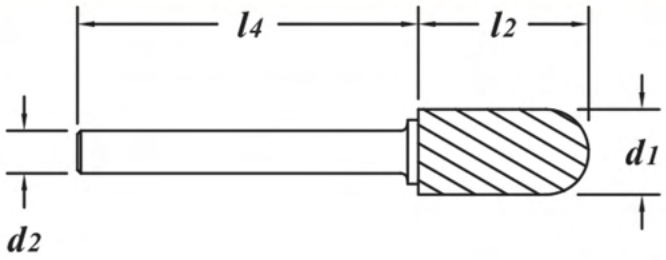
ROTARY BURRS

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Cylindrical Burrs with Radius Cut





Decimal	d_1 † Diameter	Metric	d_2 Shank Diameter	l_2 Flute Length	l_4 Shank Length	1-11	12-24	25-49	50-100
.1875	3/16"	4.763	1/4"	5/8"	1-3/8"	11.25	10.76	10.27	9.78
.1875	3/16"	4.763	1/4"	5/8"	1-3/8"	11.25	10.76	10.27	9.78
.2500	1/4"	6.350	1/4"	5/8"	1-3/8"	10.58	10.12	9.66	9.20
.2500	1/4"	6.350	1/4"	5/8"	1-3/8"	13.97	13.37	12.76	12.15
.2500	1/4"	6.350	1/4"	5/8"	1-3/8"	10.58	10.12	9.66	9.20
.3125	5/16"	7.938	1/4"	3/4"	1-3/4"	12.35	11.81	11.28	10.74
.3125	5/16"	7.938	1/4"	3/4"	1-3/4"	12.35	11.81	11.28	10.74
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	14.42	13.79	13.17	12.54
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	25.00	23.91	22.83	21.74
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	14.42	13.79	13.17	12.54
.4375	7/16"	11.113	1/4"	1"	1-3/4"	20.86	19.95	19.05	18.14
.4375	7/16"	11.113	1/4"	1"	1-3/4"	20.86	19.95	19.05	18.14
.5000	1/2"	12.700	1/4"	1"	1-3/4"	21.62	20.68	19.74	18.80
.5000	1/2"	12.700	1/4"	1"	1-3/4"	32.87	31.44	30.01	28.58
.5000	1/2"	12.700	1/4"	1"	1-3/4"	21.62	20.68	19.74	18.80
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.6250	5/8"	15.875	1/4"	1"	1-3/4"	45.02	43.07	41.11	39.15
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.7500	3/4"	19.050	1/4"	1"	1-3/4"	42.49	40.65	38.80	36.95
.7500	3/4"	19.050	1/4"	1"	1-3/4"	62.50	59.79	57.07	54.35
.7500	3/4"	19.050	1/4"	1"	1-3/4"	42.49	40.65	38.80	36.95

Cylindrical Burrs with End Cut



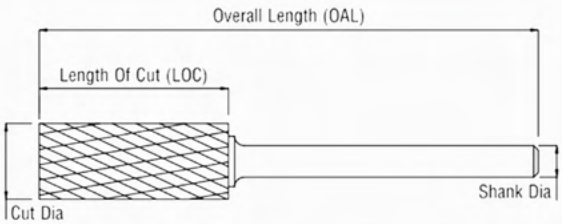
1/8" SHANK DIAMETER			
Cut Dia	LOC	Shank Dia	Shank Type
1/16	1/4	1/8	A
3/32	-	1/8	A
3/32	7/16	1/8	A
1/8	9/16	1/8	A
1/8	-	1/8	A
1/4	1/2	1/8	C
3/16	1/2	1/8	C

REGULAR LENGTH			
Cut Dia	LOC	Shank Dia	Shank Type
3/32	3/8	3/32	A
1/8	1/2	1/4	A
3/16	5/8	3/16	A
3/16	5/8	1/4	A
1/4	-	1/4	A
1/4	5/8	1/4	A
1/4	1	1/4	A
5/16	3/4	1/4	C
3/8	3/4	1/4	C
3/8	1	1/4	C
7/16	1	1/4	C
1/2	1	1/4	C
5/8	1	1/4	C
3/4	1/2	1/4	C
3/4	3/4	1/4	C
3/4	1	1/4	C
1	1	1/4	C

LONG LENGTH			
Cut Dia	LOC	Shank Dia	Shank Type
1/8	9/16	1/8	A
1/8	9/16	1/8	A
1/4	5/8	1/4	C

Cylindrical Burrs without End Cut





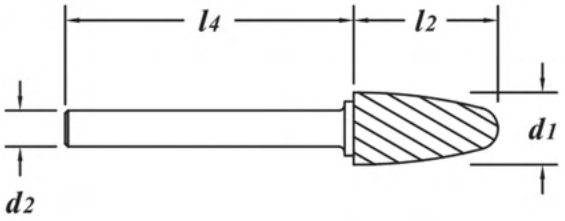
1/8" SHANK DIAMETER			
Cut Dia	LOC	Shank Dia	Shank Type
1/16	1/4	1/8	A
3/32	7/16	1/8	A
1/8	9/16	1/8	A
1/8	9/16	1/8	A
1/8	9/16	1/8	A
1/4	1/2	1/8	C
1/4	3/16	1/8	C
3/16	1/2	1/8	C

LONG LENGTH			
Cut Dia	LOC	Shank Dia	Shank Type
1/4	5/8	1/4	A
3/8	3/4	1/4	C
1/2	1	1/4	C

REGULAR LENGTH			
Cut Dia	LOC	Shank Dia	Shank Type
1/8	1/2	1/4	A
3/16	5/8	1/4	A
1/4	5/8	1/4	A
1/4	1	1/4	A
5/16	3/4	1/4	C
3/8	3/4	1/4	C
3/8	1	1/4	C
7/16	1	1/4	C
1/2	1	1/4	C
5/8	1	1/4	C
3/4	1/2	1/4	C
3/4	3/4	1/4	C
3/4	1	1/4	C
1	1	1/4	C

Tree Shape Rotary Burr with Radius End

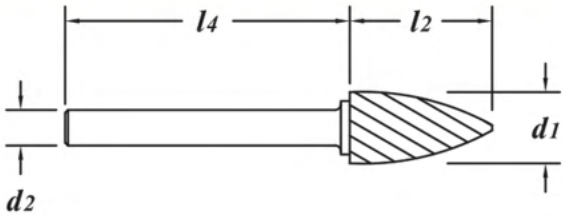




Decimal	d1 † Diameter	Metric	d2 Shank Diameter	l2 Flute Length	l4 Shank Length	1-11	12-24	25-49	50-100
.2500	1/4"	6.350	1/4"	5/8"	2"	11.56	11.06	10.55	10.05
.2500	1/4"	6.350	1/4"	5/8"	2"	17.83	17.05	16.28	15.50
.2500	1/4"	6.350	1/4"	5/8"	2"	11.56	11.06	10.55	10.05
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	13.93	13.32	12.72	12.11
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	22.46	21.48	20.51	19.53
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	13.93	13.32	12.72	12.11
.5000	1/2"	12.700	1/4"	1"	1-3/4"	20.86	19.95	19.05	18.14
.5000	1/2"	12.700	1/4"	1"	1-3/4"	31.79	30.40	29.02	27.64
.5000	1/2"	12.700	1/4"	1"	1-3/4"	20.86	19.95	19.05	18.14
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.6250	5/8"	15.875	1/4"	1"	1-3/4"	44.19	42.27	40.35	38.43
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.7500	3/4"	19.050	1/4"	1-1/4"	1-3/4"	44.48	42.55	40.61	38.68
.7500	3/4"	19.050	1/4"	1-1/4"	1-3/4"	44.48	42.55	40.61	38.68

Tree Shape Rotary Burr with Pointed End

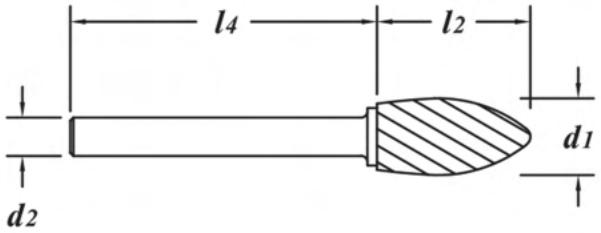




Decimal	d_1 † Diameter	Metric	d_2 Shank Diameter	l_2 Flute Length	l_4 Shank Length	1-11	12-24	25-49	50-100
.2500	1/4"	6.350	1/4"	5/8"	2"	11.56	11.06	10.55	10.05
.2500	1/4"	6.350	1/4"	5/8"	2"	11.56	11.06	10.55	10.05
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	14.86	14.21	13.57	12.92
.3750	3/8"	9.525	1/4"	3/4"	1-3/4"	14.86	14.21	13.57	12.92
.5000	1/2"	12.700	1/4"	3/4"	1-3/4"	19.90	19.03	18.17	17.30
.5000	1/2"	12.700	1/4"	3/4"	1-3/4"	19.90	19.03	18.17	17.30
.5000	1/2"	12.700	1/4"	1"	1-3/4"	20.57	19.68	18.78	17.89
.5000	1/2"	12.700	1/4"	1"	1-3/4"	20.57	19.68	18.78	17.89
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.6250	5/8"	15.875	1/4"	1"	1-3/4"	28.88	27.62	26.37	25.11
.7500	3/4"	19.050	1/4"	1"	1-3/4"	38.19	36.53	34.87	33.21
.7500	3/4"	19.050	1/4"	1"	1-3/4"	38.19	36.53	34.87	33.21

Flame Shape Rotary Burrs

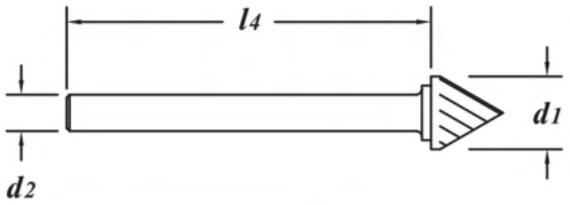




Decimal	d1 † Diameter	Metric	d2 Shank Diameter	l2 Flute Length	l4 Shank Length	1-11	12-24	25-49	50-100
.3125	5/16"	7.938	1/4"	3/4"	1-3/4"	14.12	13.51	12.89	12.28
.3125	5/16"	7.938	1/4"	3/4"	1-3/4"	14.12	13.51	12.89	12.28
.5000	1/2"	12.700	1/4"	1-1/4"	1-3/4"	28.88	27.62	26.37	25.11
.5000	1/2"	12.700	1/4"	1-1/4"	1-3/4"	28.88	27.62	26.37	25.11
.6250	5/8"	15.875	1/4"	1-7/16"	1-3/4"	37.86	36.21	34.57	32.92
.6250	5/8"	15.875	1/4"	1-7/16"	1-3/4"	37.86	36.21	34.57	32.92
.7500	3/4"	19.050	1/4"	1-5/8"	1-3/4"	46.52	44.50	42.47	40.45
.7500	3/4"	19.050	1/4"	1-5/8"	1-3/4"	46.52	44.50	42.47	40.45

60° Cone Shape Rotary Burrs

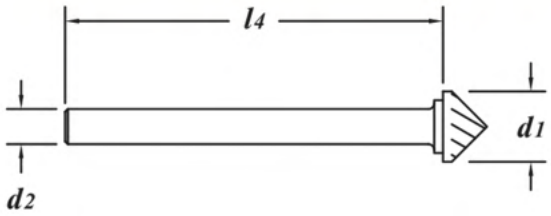




Decimal	d1 † Diameter	Metric	d2 Shank Diameter	l4 Shank Length	1-11	12-24	25-49	50-100
.2500	1/4"	6.350	1/4"	1-11/16"	14.54	13.90	13.27	12.64
.2500	1/4"	6.350	1/4"	1-11/16"	14.54	13.90	13.27	12.64
.3750	3/8"	9.525	1/4"	1-3/4"	12.20	11.67	11.14	10.61
.3750	3/8"	9.525	1/4"	1-3/4"	12.20	11.67	11.14	10.61
.5000	1/2"	12.700	1/4"	1-3/4"	15.04	14.39	13.73	13.08
.5000	1/2"	12.700	1/4"	1-3/4"	15.04	14.39	13.73	13.08
.6250	5/8"	15.875	1/4"	1-3/4"	20.04	19.17	18.30	17.43
.6250	5/8"	15.875	1/4"	1-3/4"	20.04	19.17	18.30	17.43
.7500	3/4"	19.050	1/4"	1-3/4"	26.30	25.16	24.01	22.87
.7500	3/4"	19.050	1/4"	1-3/4"	26.30	25.16	24.01	22.87

90° Cone Shape Rotary Burrs

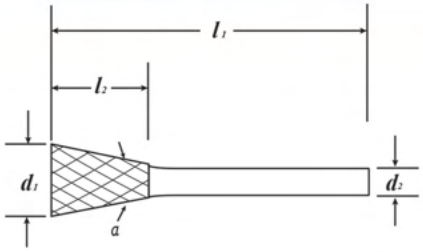




Decimal	d1 † Diameter	Metric	d2 Shank Diameter	l4 Shank Length	1-11	12-24	25-49	50-100
.2500	1/4"	6.350	1/4"	1-11/16"	14.54	13.90	13.27	12.64
.2500	1/4"	6.350	1/4"	1-11/16"	14.54	13.90	13.27	12.64
.3750	3/8"	9.525	1/4"	1-3/4"	12.20	11.67	11.14	10.61
.3750	3/8"	9.525	1/4"	1-3/4"	12.20	11.67	11.14	10.61
.5000	1/2"	12.700	1/4"	1-3/4"	15.04	14.39	13.73	13.08
.5000	1/2"	12.700	1/4"	1-3/4"	15.04	14.39	13.73	13.08
.6250	5/8"	15.875	1/4"	1-3/4"	20.04	19.17	18.30	17.43
.6250	5/8"	15.875	1/4"	1-3/4"	20.04	19.17	18.30	17.43
.7500	3/4"	19.050	1/4"	1-3/4"	26.30	25.16	24.01	22.87
.7500	3/4"	19.050	1/4"	1-3/4"	26.30	25.16	24.01	22.87
1.000	1"	25.400	1/4"	1-3/4"	42.18	40.35	38.51	36.68
1.000	1"	25.400	1/4"	1-3/4"	42.18	40.35	38.51	36.68

Inverted Cone Shape Rotary Burrs





Metric Size

Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
3.0	3.0	4.0	3.0	38.0	10°
	5.0	6.0	3.0	44.0	10°
	6.0	7.0	3.0	45.0	10°
6.0	6.0	7.0	6.0	52.0	10°
	8.0	9.0	6.0	54.0	
	10.0	10.0	6.0	55.0	20°
	12.0	13.0	6.0	58.0	20°
	16.0	16.0	6.0	61.0	20°
	19.0	16.0	6.0	61.0	30°
8.0	12.0	13.0	8.0	58.0	20°
	16.0	16.0	8.0	61.0	20°
	19.0	16.0	8.0	61.0	30°

Inch Size

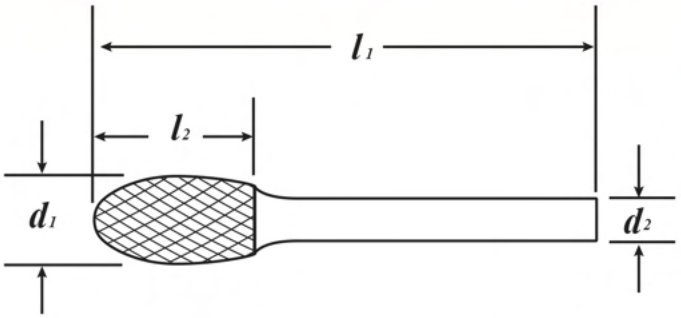
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
1/8	1/8	3/16	1/8	1-1/2	10°
1/4	1/4	1/4	1/4	51.35mm	10°
	3/8	3/8	1/4	54.525mm	13°
	1/2	1/2	1/4	2-1/4	28°
	5/8	3/4	1/4	2-1/2	18°
	3/4	5/8	1/4	2-3/8	30°

Burr Shape - Inverted Cone

Type N carbide burr is suitable for machining the chamfering of inside of workpiece.

Oval Shape Rotary Burrs





Metric Size				
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)
3.0	3.0	7.0	3.0	38.0
	5.0	8.0	3.0	46.0
	6.0	10.0	3.0	48.0
6.0	6.0	10.0	6.0	50.0
	8.0	13.0	6.0	58.0
	10.0	16.0	6.0	61.0
	12.0	20.0	6.0	65.0
	16.0	25.0	6.0	70.0
	19.0	25.0	6.0	70.0
8.0	12.0	20.0	8.0	65.0
	16.0	25.0	8.0	70.0
	19.0	25.0	8.0	70.0

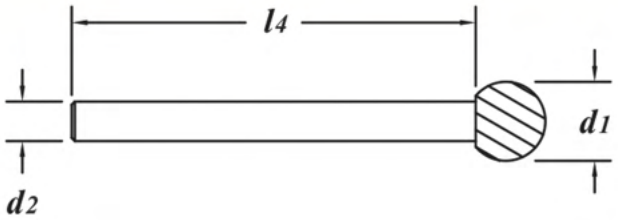
Inch Size				
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)
1/8	3/16	9/32	1/8	1-1/2
	1/4	3/8	1/8	1-8/9
1/4	1/4	3/8	1/4	64.05mm
	3/8	5/8	1/4	2-3/8
	1/2	7/8	1/4	2-5/8
	5/8	1	1/4	2-3/4
	3/4	1	1/4	2-3/4

Burr Shape - Oval Shape

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

Ball Shape Rotary Burrs

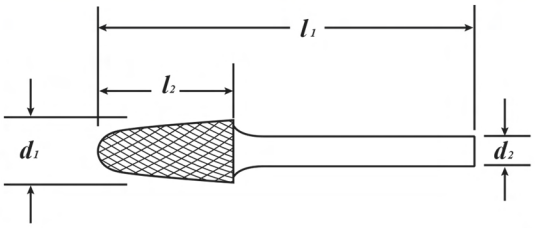




Decimal	d1 † Diameter	Metric	d2 Shank Diameter	l2 Flute Length	l4 Shank Length	1-11	12-24	25-49	50-100
.1875	3/16"	4.763	1/4"	-	2"	11.25	10.76	10.27	9.78
.1875	3/16"	4.763	1/4"	-	2"	11.25	10.76	10.27	9.78
.2500	1/4"	6.350	1/4"	-	2"	11.25	10.76	10.27	9.78
.2500	1/4"	6.350	1/4"	-	2"	17.83	17.05	16.28	15.50
.2500	1/4"	6.350	1/4"	-	2"	11.25	10.76	10.27	9.78
.3125	5/16"	7.938	1/4"	-	1-3/4"	10.58	10.12	9.66	9.20
.3125	5/16"	7.938	1/4"	-	1-3/4"	10.58	10.12	9.66	9.20
.3750	3/8"	9.525	1/4"	-	1-3/4"	11.48	10.98	10.48	9.98
.3750	3/8"	9.525	1/4"	-	1-3/4"	18.57	17.77	16.96	16.15
.3750	3/8"	9.525	1/4"	-	1-3/4"	11.48	10.98	10.48	9.98
.4375	7/16"	11.113	1/4"	-	1-3/4"	16.68	15.95	15.23	14.50
.4375	7/16"	11.113	1/4"	-	1-3/4"	16.68	15.95	15.23	14.50
.5000	1/2"	12.700	1/4"	-	1-3/4"	17.22	16.47	15.72	14.97
.5000	1/2"	12.700	1/4"	-	1-3/4"	23.01	22.01	21.01	20.01
.5000	1/2"	12.700	1/4"	-	1-3/4"	17.22	16.47	15.72	14.97
.6250	5/8"	15.875	1/4"	-	1-3/4"	19.24	18.40	17.57	16.73
.6250	5/8"	15.875	1/4"	-	1-3/4"	39.82	38.09	36.36	34.63
.6250	5/8"	15.875	1/4"	-	1-3/4"	19.24	18.40	17.57	16.73
.7500	3/4"	19.050	1/4"	-	1-3/4"	27.40	26.21	25.02	23.83
.7500	3/4"	19.050	1/4"	-	1-3/4"	27.40	26.21	25.02	23.83
1.000	1"	25.400	1/4"	-	1-3/4"	50.82	48.61	46.40	44.19
1.000	1"	25.400	1/4"	-	1-3/4"	50.82	48.61	46.40	44.19

Ball Nose Tree Shaped Rotary Burrs





Metric Size				
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)
3.0	3.0	13.0	3.0	38.0
	5.0	13.0	3.0	51.0
	6.0	13.0	3.0	51.0
6.0	6.0	18.0	6.0	63.0
	8.0	20.0	6.0	65.0
	10.0	20.0	6.0	65.0
	11.0	25.0	6.0	70.0
	12.0	25.0	6.0	70.0
	16.0	25.0	6.0	70.0
	19.0	25.0	6.0	70.0
8.0	12.0	25.0	8.0	70.0
	16.0	25.0	8.0	70.0
	19.0	25.0	8.0	70.0

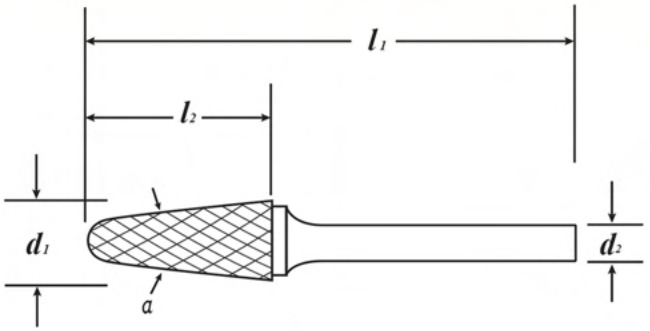
Inch Size				
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)
1/8	1/8	1/2	1/8	1-1/2
	1/4	1/2	1/8	2
1/4	3/8	3/4	1/4	2-1/2
	7/16	1	1/4	2-3/4
	1/2	3/4	1/4	2-1/2
	1/2	1	1/4	2-3/4
	5/8	1	1/4	2-3/4
	3/4	1	1/4	2-3/4
	3/4	1-1/4	1/4	3
3/8	3/4	1-1/4	3/8	3-1/4

Burr Shape - Ball Nosed Tree

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

Ball Nose Cone Shaped Rotary Burrs





Metric Size					
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
3.0	3.0	13.0	3.0	38.0	8°
	5.0	13.0	3.0	38.0	10°
	6.0	13.0	3.0	48.0	10°
6.0	6.0	16.0	6.0	51.0	14°
	8.0	22.0	6.0	70.0	14°
	10.0	25.0	6.0	70.0	14°
	12.0	28.0	6.0	73.0	14°
	16.0	33.0	6.0	78.0	14°
	19.0	38.0	6.0	83.0	14°
8.0	12.0	28.0	8.0	73.0	14°
	16.0	33.0	8.0	78.0	14°
	19.0	38.0	8.0	83.0	14°

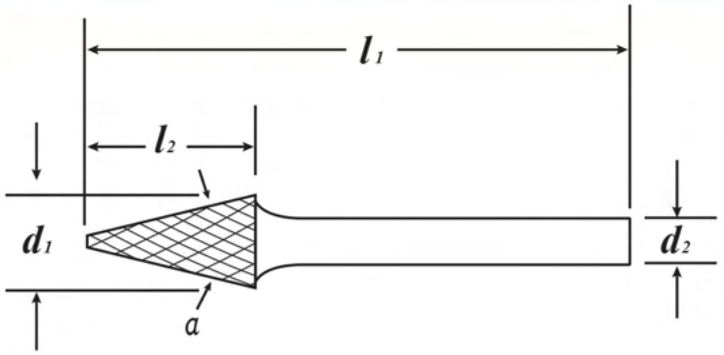
Inch Size					
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
1/8	1/8	1/2	1/8	1-1/2	8°
1/4	1/4	5/8	1/4	2	14°
	5/16	7/8	1/4	2-3/4	14°
	3/8	1-1/16	1/4	2-15/16	14°
	1/2	1-1/8	1/4	73.575MM	14°
	1/2	1-1/4	1/4	76.75MM	14°
	5/8	1-5/16	1/4	3-1/16	14°
	5/8	1-7/16	1/4	3-1/5	14°
	3/4	1-5/8	1/4	3-3/8	14°

Burr Shape - Ball Nose Cone

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

Cone Shaped Rotary Burrs





Metric Size					
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
3.0	3.0	11.0	3.0	38.0	14°
	5.0	13.0	3.0	51.0	14°
	6.0	13.0	3.0	51.0	14°
6.0	6.0	18.0	6.0	53.0	14°
	6.0	25.0	6.0	50.0	14°
	8.0	20.0	6.0	65.0	25°
	10.0	20.0	6.0	65.0	25°
	12.0	25.0	6.0	70.0	25°
	16.0	25.0	6.0	70.0	31°
8.0	12.0	25.0	8.0	70.0	25°
	16.0	25.0	8.0	70.0	31°

Inch Size					
Shank Diameter (in)	Cutter Diameter(d_1)	Length of Cut(l_2)	Shank Diameter(d_2)	Overall Length(l_1)	Included Angle a
1/8	1/8	7/16	1/8	1-1/2	14°
1/4	1/4	1/2	1/4	2	22°
	1/4	5/8	1/4	60.875MM	22°
	1/4	1	1/4	2	10°
	3/8	3/4	1/4	2-9/16	28°
	1/2	1	1/4	2-3/4	28°
	5/8	1	1/4	2-3/4	31°

Burr Shape - Cone Shape

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

Tungsten Carbide Rotary Burrs Set





TC

CT 4

10-piece set of tungsten carbide rotary burrs

2 x shape A, cylinder without end toothing Ø D1 10,0 / 12,0 mm
2 x shape C, oval Ø D1 10,0 / 12,0 mm
2 x shape G, tree Ø D1 10,0 / 12,0 mm
2 x shape F, ball nose tree Ø D1 10,0 / 12,0 mm
1 x shape M, cone Ø D1 12,0 mm
1 x shape D, ball type Ø D1 12,0 mm

TC

TiCN

CT 4

10-piece set of tungsten carbide rotary burrs

2 x shape A, cylinder without end toothing Ø D1 10,0 / 12,0 mm
2 x shape C, oval Ø D1 10,0 / 12,0 mm
2 x shape G, tree Ø D1 10,0 / 12,0 mm
2 x shape F, ball nose tree Ø D1 10,0 / 12,0 mm
1 x shape M, cone Ø D1 12,0 mm
1 x shape D, ball type Ø D1 12,0 mm

TC

ALU

10-piece set of tungsten carbide rotary burrs

2 x shape B, cylinder with end toothing Ø D1 6,0 / 12,0 mm
2 x shape C, oval Ø D1 6,0 / 12,0 mm
2 x shape G, tree Ø D1 6,0 / 12,0 mm
2 x shape F, ball nose tree Ø D1 6,0 / 12,0 mm
2 x shape D, ball type Ø D1 6,0 / 12,0 mm

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