

Carbide Single-flute Endmill for Wood / Acrylic



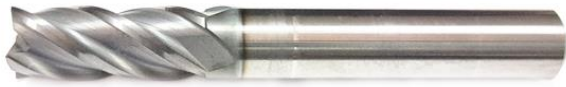
Cut Dia (mm)	Cut Length (mm)						OVL (mm)	Shank Dia (mm)
0.4	1.2	1.5	1.8				38	3.175
0.5	1.5	2					38	3.175
0.6	1.5	2	3				38	3.175
0.7	2						38	3.175
0.8	2	3	4				38	3.175
0.9	5						38	3.175
1.0	2	3	4	6			38	3.175
1.1	3	6					38	3.175
1.2	4	6					38	3.175
1.4	6						38	3.175
1.5	4	6	8	10	12		38	3.175
1.6	6	8					38	3.175
1.8	6	8					38	3.175
1.9	8						38	3.175
2.0	4	6	8	10	12		38	3.175
2.0	15	17					38	3.175
2.0	22						45	3.175
2.5	6	8	10	12	15	17	38	3.175
3.0	6	8	10	12			38	3.175
3.175	6	8	10	12	15	17	38	3.175
3.175	20	22					45	3.175
3.175	25	28					50	3.175
3.175	32						55	3.175
4.0	8	12	15				40	4
4.0	17	22					45	4
4.0	25	28					50	4
4.0	32						55	4
4.0	35						60	4
5.0	12	15	17	22			50	5
5.0	12	15	17	22			50	6
6.0	12	15	17	22			50	6
6.0	25	28					50	6
6.0	32						55	6
6.0	42						60	6
6.0	52						70	6
6.35	22						50	6.35
6.35	25						50	6.35
8.0	22	25					60	8
8.0	32						60	8
8.0	62						100	8
10.0	25						60	10
10.0	32						60	10
10.0	52						85	10
10.0	50						100	10
12.0	25						60	12
12.0	32						60	12
12.0	50						100	12

Carbide Square 2F EndMills for Wood / Acrylic



Cut Dia (mm)	Cut Length (mm)						OVL (mm)	Shank Dia (mm)
0.4	1.2	1.5	1.8				38	3.175
0.5	1.5	2					38	3.175
0.6	1.5	2	3				38	3.175
0.7	2						38	3.175
0.8	2	3	4				38	3.175
0.9	5						38	3.175
1.0	2	3	4	6			38	3.175
1.1	3	6					38	3.175
1.2	4	6					38	3.175
1.4	6						38	3.175
1.5	4	6	8	10	12		38	3.175
1.6	6	8					38	3.175
1.8	6	8					38	3.175
1.9	8						38	3.175
2.0	4	6	8	10	12		38	3.175
2.0	15	17					38	3.175
2.0	22						45	3.175
2.5	6	8	10	12	15	17	38	3.175
3.0	6	8	10	12			38	3.175
3.175	6	8	10	12	15	17	38	3.175
3.175	20	22					45	3.175
3.175	25	28					50	3.175
3.175	32						55	3.175
4.0	8	12	15				40	4
4.0	17	22					45	4
4.0	25	28					50	4
4.0	32						55	4
4.0	35						60	4
5.0	12	15	17	22			50	5
5.0	12	15	17	22			50	6
6.0	12	15	17	22			50	6
6.0	25	28					50	6
6.0	32						55	6
6.0	42						60	6
6.0	52						70	6
6.35	22						50	6.35
6.35	25						50	6.35
8.0	22	25					60	8
8.0	32						60	8
8.0	62						100	8
10.0	25						60	10
10.0	32						60	10
10.0	52						85	10
10.0	50						100	10
12.0	25						60	12
12.0	32						60	12
12.0	50						100	12

HRC45 Carbide Square 2/4F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square 2/4F Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC55 Carbide Square 2/4F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square 2/4F Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC60 Carbide Square 2/4F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square 2/4F Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC63 Carbide Square 2/4F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square 2/4F Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC65 Carbide Square 2/4F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square 2/4F Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC45 Carbide Ball Nose 2F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC55 Carbide Ball Nose 2F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC60 Carbide Ball Nose 2F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC63 Carbide Ball Nose 2F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

HRC65 Carbide Ball Nose 2F Endmills with coated



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	50
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills with coated

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

Carbide Corner Radius 4F Endmills with Coated



Cut Dia (mm)	Radius (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
1	R0.2	2	4	50
1.5	R0.2	3	4	50
2	R0.2/R0.5	4	4	50
2.5	R0.2/R0.5	5	4	50
3	R0.2/R0.5/R1.0	6	4	50
4	R0.2/R0.5/R1.0	10	4	50
5	R0.2/R0.5/R1.0	13	6	50
6	R0.2/R0.5/R1.0	15	6	50
8	R0.5/R1.0/R2.0	20	8	60
10	R0.5/R1.0/R2.0	25	10	75
12	R0.5/R1.0/R2.0	30	12	75
16	R0.5/R1.0/R2.0	40	16	100

Extended Carbide Corner Radius Endmills with Coated

Cut Dia (mm)	Radius (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3	R0.2/R0.5/R1.0	9	4	75
4	R0.2/R0.5/R1.0	12	4	75
5	R0.2/R0.5/R1.0	15	6	75
6	R0.2/R0.5/R1.0	20	6	75
8	R0.5/R1.0/R2.0	25	8	75
3	R0.2/R0.5/R1.0	9	4	100
4	R0.2/R0.5/R1.0	12	4	100
5	R0.2/R0.5/R1.0	15	6	100
6	R0.2/R0.5/R1.0	20	6	100
8	R0.5/R1.0/R2.0	25	8	100
10	R0.5/R1.0/R2.0	30	10	100
12	R0.5/R1.0/R2.0	35	12	100
6	R0.2/R0.5/R1.0	25	6	150
8	R0.5/R1.0/R2.0	30	8	150
10	R0.5/R1.0/R2.0	35	10	150
12	R0.5/R1.0/R2.0	40	12	150

Carbide Square Endmills with 4F for Stainless Steel



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
1.0	3	4	50
1.5	4	4	50
2.0	5	4	50
2.0	8	4	100
2.5	6	4	50
3.0	8	3	50
3.0	8	4	50
3.0	12	3	75
3.0	12	4	75
3.0	12	3	100
3.0	12	4	100
3.5	9	4	50
4.0	10	4	50
4.0	16	4	75
4.0	16	4	100
5.0	13	5	50
5.0	13	6	50
5.0	20	6	75
5.0	20	6	100
6.0	15	6	50
6.0	24	6	75
6.0	24	6	100
6.0	45	6	150
7.0	18	8	60
8.0	20	8	60
8.0	32	8	75
8.0	32	8	100
8.0	50	8	150
9.0	23	10	75
10.0	25	10	75

USSHARP

10.0	40	10	100
10.0	55	10	150
12.0	30	12	75
12.0	45	12	100
12.0	60	12	150
14.0	35	14	100
16.0	40	16	100
18.0	40	18	100
20.0	45	20	100

USSHARP

Carbide Square Endmills 2F/3F for ALU



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	8	3	50
1.0	3	4	50
1.5	4.5	4	50
2.0	6	4	50
2.5	7	4	50
3.0	8	4	50
4.0	10	4	50
5.0	13	5	60
5.0	13	6	50
6.0	15	6	50
7.0	18	8	60
8.0	20	8	60
9.0	23	10	75
10.0	25	10	75
12.0	30	12	75
14.0	35	14	100
16.0	40	16	100
18.0	45	18	100
20.0	45	20	100

Extended Carbide Square Endmills for ALU

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3.0	12	3	75
3.0	12	4	75
4.0	16	4	75
5.0	20	5	75
5.0	20	6	75
6.0	24	6	75
8.0	32	8	75
3.0	12	3	100
3.0	12	4	100
4.0	16	4	100
5.0	20	5	100
5.0	20	6	100
6.0	25	6	100
8.0	35	8	100
10.0	40	10	100
12.0	40	12	100
5.0	30	5	150
6.0	30	6	150
8.0	40	8	150
10.0	50	10	150
12.0	55	12	150
14.0	70	14	150
16.0	70	16	150
18.0	70	18	150
20.0	70	20	150
6.0	35	6	200
8.0	50	8	200
10.0	60	10	200
12.0	60	12	200
14.0	70	14	200
16.0	70	16	200
18.0	70	18	200
20.0	70	20	200

Carbide Ball Nose Endmills for ALU



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
R1.5	6	3	50
R0.5	2	4	50
R0.75	3	4	50
R1.0	4	4	50
R1.25	5	4	50
R1.5	6	4	50
R2.0	8	4	50
R2.5	10	5	60
R2.5	10	6	50
R3.0	12	6	50
R3.5	14	8	60
R4.0	16	8	60
R4.5	18	10	75
R5.0	20	10	75
R6.0	24	12	75
R7.0	28	14	100
R8.0	32	16	100
R9.0	36	18	100
R10.0	40	20	100

Extended Carbide Ball Nose Endmills for ALU

Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
R1.5	6	3	75
R1.5	6	4	75
R2.0	8	4	75
R2.5	10	5	75
R2.5	10	6	75
R3.0	12	6	75
R4.0	16	8	75
R1.5	6	3	100
R1.5	6	4	100
R2.0	8	4	100
R2.5	10	5	100
R2.5	10	6	100
R3.0	12	6	100
R4.0	16	8	100
R5.0	20	10	100
R6.0	24	12	100
R3.0	12	5	150
R3.0	12	6	150
R4.0	16	8	150
R5.0	20	10	150
R6.0	24	12	150
R7.0	28	14	150
R8.0	32	16	150
R9.0	36	18	150
R10.0	40	20	150
R3.0	12	6	200
R4.0	16	8	200
R5.0	20	10	200
R6.0	24	12	200
R7.0	28	14	200
R8.0	32	16	200
R9.0	36	18	200
R10.0	40	20	200

Carbide Corner Radius Endmills with 3F for ALU



Cut Dia (mm)	Radius (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
1	R0.2	2	4	50
1.5	R0.2	3	4	50
2	R0.2/R0.5	4	4	50
2.5	R0.2/R0.5	5	4	50
3	R0.2/R0.5	6	4	50
4	R0.2/R0.5/R1.0	10	4	50
5	R0.2/R0.5/R1.0	13	6	50
6	R0.5/R1.0/R2.0	15	6	50
8	R0.5/R1.0/R2.0	20	8	60
10	R0.5/R1.0/R2.0/R3.0	25	10	75
12	R0.5/R1.0/R2.0/R3.0	30	12	75
16	R0.5/R1.0/R2.0/R3.0	40	16	100

Extended Carbide Corner Radius Endmills with 3F for ALU

Cut Dia (mm)	Radius (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
3	R0.2/R0.5	9	4	75
4	R0.2/R0.5/R1.0	12	4	75
5	R0.2/R0.5/R1.0	15	6	75
6	R0.5/R1.0/R2.0	20	6	75
8	R0.5/R1.0/R2.0	25	8	75
3	R0.2/R0.5/R1.0	9	4	100
4	R0.2/R0.5/R1.0	12	4	100
5	R0.2/R0.5/R1.0	15	6	100
6	R0.5/R1.0/R2.0	20	6	100
8	R0.5/R1.0/R2.0	25	8	100
10	R0.5/R1.0/R2.0/R3.0	30	10	100
12	R0.5/R1.0/R2.0/R3.0	35	12	100
6	R0.5/R1.0/R2.0	25	6	150
8	R0.5/R1.0/R2.0	30	8	150
10	R0.5/R1.0/R2.0/R3.0	35	10	150
12	R0.5/R1.0/R2.0/R3.0	40	12	150

Carbide Square Micro Endmills



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
0.1	0.2	4	50	2
0.2	0.4	4	50	2
0.3	0.6	4	50	2
0.4	0.8	4	50	2
0.5	1	4	50	2
0.6	1.2	4	50	2
0.7	1.4	4	50	2
0.8	1.6	4	50	2
0.9	1.8	4	50	2

Carbide Square Long-Neck Micro Endmills



Cut Dia (mm)	Cut Length (mm)	Effective-Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
0.4	0.8	1/2/3/4/5	4	50	2
0.5	1	2/3/4/6/8	4	50	2
0.6	1.2	2/3/4/6/8/10	4	50	2
0.7	1.4	2/4/6/8/10	4	50	2
0.8	1.6	2/4/6/8/10/12	4	50	2
0.9	1.8	2/4/6/8/10/12	4	50	2

Carbide Square Long-Neck Endmills



Cut Dia (mm)	Cut Length (mm)	Effective-Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
1.0	3 / 2	6/8/10/12/15/20	4	50	2
1.5	4 / 3	6/8/10/12/15/20	4	50	2
2.0	5 / 4	8/10/12/15/20	4	50	2
2.5	7 / 5	10/12/15/20	4	50	2
3.0	8 / 6	10/12/15/20	4	50	2

USSHARP

Carbide Ball Nose Micro Endmills



Cut Dia (mm)	Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
0.1	/	0.2	4	50	2
0.2	R0.1	0.4	4	50	2
0.3	R0.15	0.6	4	50	2
0.4	R0.2	0.8	4	50	2
0.5	R0.25	1	4	50	2
0.6	R0.3	1.2	4	50	2
0.7	R0.35	1.4	4	50	2
0.8	R0.4	1.6	4	50	2
0.9	R0.45	1.8	4	50	2

Carbide Ball Nose Long-Neck Micro Endmills



Cut Dia (mm)	Cut Dia (mm)	Cut Length (mm)	Effective-Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
0.4	R0.2	0.8	1/2/3/4/5	4	50	2
0.5	R0.25	1	2/3/4/6/8	4	50	2
0.6	R0.3	1.2	2/3/4/6/8/10	4	50	2
0.7	R0.35	1.4	2/4/6/8/10	4	50	2
0.8	R0.4	1.6	2/4/6/8/10/12	4	50	2
0.9	R0.45	1.8	2/4/6/8/10/12	4	50	2

Carbide Ball Nose Long-Neck Endmills



Cut Dia (mm)	Cut Dia (mm)	Cut Length (mm)	Effective-Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
1.0	R0.5	3 / 2	6/8/10/12/15/20	4	50	2
1.5	R0.75	4 / 3	6/8/10/12/15/20	4	50	2
2.0	R1.0	5 / 4	8/10/12/15/20	4	50	2
2.5	R1.25	7 / 5	10/12/15/20	4	50	2
3.0	R1.5	8 / 6	10/12/15/20	4	50	2

USSHARP

Carbide Roughing Endmills with Square End 4F



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
4	10	4	50
6	15	6	50
8	20	8	60
10	25	10	75
12	30	12	75
14	40	14	100
16	45	16	100
18	45	18	100
20	45	20	100

USSHARP

Carbide Endmills in Special Size



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)
1.1	3	4	50
1.2	3	4	50
1.3	3	4	50
1.4	3	4	50
1.6	4	4	50
1.7	4	4	50
1.8	4	4	50
1.9	4	4	50
2.1	5	4	50
2.2	5	4	50
2.3	5	4	50
2.4	5	4	50
2.6	6	4	50
2.7	6	4	50
2.8	6	4	50
2.9	6	4	50
3.1	8	4	50
3.2	8	4	50
3.3	8	4	50
3.4	8	4	50
3.6	10	4	50
3.7	10	4	50
3.8	10	4	50
3.9	10	4	50
4.5	13	6	50
5.5	15	6	50
6.5	18	8	60
7.5	20	8	60
8.5	20	10	75
9.5	25	10	75
10.5	25	12	75
11.5	30	12	75

Carbide Chamfer Cutters



Cut Dia (mm)	Shank Dia (mm)	Overall Length (mm)	Flute	Angle		
1.0	4	50	2	60°	90°	120°
1.2	4	50	2	60°	90°	120°
1.5	4	50	2	60°	90°	120°
2.0	4	50	2	60°	90°	120°
2.5	4	50	3	60°	90°	120°
3.0	4	50	3	60°	90°	120°
4.0	4	50	3	60°	90°	120°
6.0	6	50	3	60°	90°	120°
8.0	8	60	3	60°	90°	120°
10.0	10	75	3	60°	90°	120°
12.0	12	75	3	60°	90°	120°
8.0	8	100	3		90°	
10.0	10	100	3		90°	
12.0	12	100	3		90°	
14.0	14	100	3		90°	
16.0	16	100	3		90°	
18.0	18	100	3		90°	
20.0	20	100	3		90°	

Carbide T-Cutter



Cut Dia (mm)	Cut Length (mm)	Neck Dia (mm)	Neck Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
4	0.5/0.8/1/1.5/2	1.5	6	4	50	4
6	1/1.5/2/3	2.5	8	6	50	4
8	1/1.5/2/2.5/3	3.5	8	8	50	4
10	1/1.5/2/2.5/3	4	10	10	60	4
12	1/1.5/2/2.5/3	5	12	12	60	4

Carbide Dovetail Cutter



Cut Dia (mm)	Angle	Neck Dia (mm)	Neck Length (mm)	Shank Dia (mm)	Overall Length (mm)	Cut Length (mm)
3	45°	1.5	5	4	50	0.75
4	45°	2	6	4	50	1
6	45°	3	8	6	50	1.5
8	45°	4	10	8	50	2
10	45°	5	15	10	50	2.5
12	45°	6	15	12	50	3
3	60°	1.5	5	4	50	1.4
4	60°	2	6	4	50	1.7
6	60°	3	8	6	50	2.6
8	60°	4	10	8	50	3.4
10	60°	5	15	10	50	4.3
12	60°	6	15	12	50	5.2

Standard Length Carbide Reamer with Spiral Flute



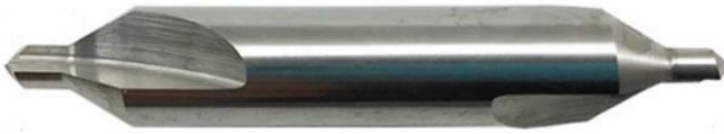
Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
1.0	15	1	50	4
1.1	15	1.1	50	4
1.2	15	1.2	50	4
1.3	15	1.3	50	4
1.4	15	1.4	50	4
1.5	15	1.5	50	4
1.6	15	1.6	50	4
1.7	15	1.7	50	4
1.8	15	1.8	50	4
1.9	15	1.9	50	4
2.0	15	2	50	4
2.5	20	2.5	50	4
3.0	20	3	50	4
3.5	25	3.5	50	4
4.0	25	4	50	4
4.5	25	4.5	50	4
5.0	30	5	60	4
6.0	30	6	60	6
7.0	30	7	60	6
8.0	35	8	70	6
9.0	40	9	80	6
10.0	40	10	80	6
11.0	40	11	80	6
12.0	40	12	80	6
13.0	60	13	100	6
14.0	60	12	100	6
16.0	60	16	100	6
18.0	60	18	100	6
20.0	60	20	100	6

Extended Length Carbide Reamer with Spiral Flute

Cut Dia (mm)	Cut Length (mm)	Neck Dia (mm)	Effective-Length (mm)	Shank Dia (mm)	Overall Length (mm)	Flute
2.0	15	1.8	60	2	80	4
3.0	20	2.7	70	3	100	4
4.0	25	3.7	70	4	100	4
5.0	30	4.7	70	5	100	4
6.0	30	5.7	70	6	100	6
8.0	35	7.5	70	8	100	6
9.0	40	8.5	70	9	100	6
10.0	40	9.5	70	10	100	6
11.0	40	10.5	70	11	100	6
12.0	40	11.5	70	12	100	6
6.0	40	5.7	100	6	150	6
8.0	50	7.5	100	8	150	6
10.0	55	9.5	100	10	150	6
12.0	55	11.5	100	12	150	6

USSHARP

Carbide Center Drills



Cut Dia (mm)	Cut Length (mm)	Shank Dia (mm)	Overall Length (mm)	Angle
0.5	1	3	50	60°
0.6	1	3	50	60°
0.8	1.2	3	50	60°
1.0	1.5	3	50	60°
1.0	1.5	4	50	60°
1.5	2	4	50	60°
2.0	2.5	4	50	60°
1.5	2	6	50	60°
2.0	2.5	6	50	60°
2.5	3	6	50	60°
3.0	3.5	6	50	60°
3.0	3.5	8	60	60°
4.0	5	8	60	60°
4.0	5	10	75	60°
5.0	6.5	10	75	60°
5.0	6.5	12	75	60°
6.0	6.5	12	75	60°

Carbide Outer Cylinder Cutter



Radius (mm)	Shank Dia (mm)	End Dia (mm)	Overall Length (mm)	Flute
R0.5	4	3	50	4
R0.75	4	2.5	50	4
R1.0	4	2	50	4
R1.5	4	1	50	4
R1.5	6	3	50	4
R2.0	6	2	50	4
R2.5	8	3	60	4
R3.0	8	2	60	4
R4.0	10	2	75	4
R5.0	12	2	75	4
R6.0	14	4	75	4

Carbide Spotting Drill with Spiral Flutes



Cut Dia (mm)	Shank Dia (mm)	Overall Length (mm)	Flute	Angle		
1.0	4	50	2	60°	90°	120°
1.2	4	50	2	60°	90°	120°
1.5	4	50	2	60°	90°	120°
2.0	4	50	2	60°	90°	120°
2.5	4	50	3	60°	90°	120°
3.0	4	50	3	60°	90°	120°
4.0	4	50	3	60°	90°	120°
6.0	6	50	3	60°	90°	120°
8.0	8	60	3	60°	90°	120°
10.0	10	75	3	60°	90°	120°
12.0	12	75	3	60°	90°	120°
8.0	8	100	3	90°		
10.0	10	100	3	90°		
12.0	12	100	3	90°		
14.0	14	100	3	90°		
16.0	16	100	3	90°		
18.0	18	100	3	90°		
20.0	20	100	3	90°		

Carbide Twist Drills with Fixed Shank 3mm



Cut Dia (mm)	Shank Dia (mm)	Flute Length (mm)	Overall Length (mm)
0.35-0.5	3	4	38
0.55-0.7	3	5	38
0.75-0.9	3	6	38
0.95-1.1	3	8	38
1.15-2.5	3	10	38

Price List of Solid Carbide Twist Drills (Parallel Shank)



Cut Dia	Cut Length	Overall Length	Remark
1.0 ~ 1.5	15	40	Every 0.05mm
1.55 ~ 1.95	16	45	Every 0.05mm
2.0 ~ 2.5	20	50	Every 0.05mm
2.55 ~ 2.95	20	50	Every 0.05mm
3.0 ~ 3.2	22	50	Every 0.1mm
3.3 ~ 3.5	22	50	Every 0.1mm
3.6 ~ 4.2	22	50	Every 0.1mm
4.3 ~ 4.6	25	50	Every 0.1mm
4.7 ~ 5.2	25	50	Every 0.1mm
5.3 ~ 5.5	25	50	Every 0.1mm
5.6 ~ 5.9	25	50	Every 0.1mm
6.0 ~ 6.2	27	55	Every 0.1mm
6.3 ~ 6.5	27	55	Every 0.1mm
6.6 ~ 7.0	30	60	Every 0.1mm
7.1 ~ 7.5	30	60	Every 0.1mm
7.6 ~ 8.0	30	60	Every 0.1mm
8.5	35	70	*.5 and *.0 are standard sizes, Other size can be Customized.
9.0	35	70	
9.5	35	70	
10.0	38	75	
10.5	38	75	
11.0	38	75	
11.5	38	75	
12.0	38	75	
12.5	45	90	
13.0	45	90	