

RAZOR-SHARP GRINDING



CATALOG 2025

Razor Sharp Grinding began as a part time business with one manual tool & cutter grinder in the basement of Dennis & Eileen Reider's home in 1967.

With hard work and a commitment to excellence over the years we've grown and pictured below is our latest addition which was completed in early 2017. We now have 8 Walter CNC tool and cutter grinders and a Studer OD/ID grinder in this area



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Hi-Performance

Series RS500

Stocked With AlTiN Coating Only

Center Cutting with Corner Radius

Anti-Vibration Geometry

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	Number Flutes	Corner Radius	EDP Number	Price AlTiN
1/4	3/4	2-1/2	1/4	4	.015-.020	RS504-2500-015R	26.03
5/16	13/16	2-1/2	5/16	4	.015-.020	RS504-3125-015R	33.54
3/8	7/8	2-1/2	3/8	4	.015-.020	RS504-3750-015R	39.15
1/2	1	3	1/2	4	.030-.035	RS504-5000-03R	62.54
5/8	1-5/8	4	5/8	4	.030-.035	RS504-6250-03R	105.39
3/4	1-5/8	4	3/4	4	.030-.035	RS504-7500-03R	146.81
1	1-3/4	4	1	4	.030-.035	RS504-1000-03R	266.81

We have more offerings in this type of cutter. Please email or call to discuss

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

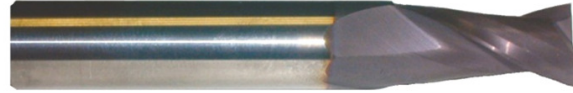
Shank Dia.: +0.0000/-0.0005

2-Flute Standard

Series RS602

Two Flute, Single End
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
1/32	1/8	1-1/2	1/8	RS602-0312	9.41	RS602-0312-ALTIN	12.83
3/64	9/64	1-1/2	1/8	RS602-0469	8.04	RS602-0469-ALTIN	10.98
1/16	3/16	1-1/2	1/8	RS602-0625	8.09	RS602-0625-ALTIN	9.33
5/64	1/4	1-1/2	1/8	RS602-0781	8.34	RS602-0781-ALTIN	11.31
3/32	5/16	1-1/2	1/8	RS602-0938	7.38	RS602-0938-ALTIN	9.33
7/64	3/8	1-1/2	1/8	RS602-1094	7.68	RS602-1094-ALTIN	10.35
3MM	1/2	1-1/2	1/8	RS602-1181	7.68	RS602-1181-ALTIN	10.35
1/8	1/2	1-1/2	1/8	RS602-1250	6.97	RS602-1250-ALTIN	8.67
9/64	1/2	2	3/16	RS602-1406	10.19	RS602-1406-ALTIN	14.03
5/32	9/16	2	3/16	RS602-1562	10.40	RS602-1562-ALTIN	12.05
11/64	9/16	2	3/16	RS602-1719	9.86	RS602-1719-ALTIN	13.41
3/16	5/8	2	3/16	RS602-1875	9.61	RS602-1875-ALTIN	12.05
13/64	5/8	2-1/2	1/4	RS602-2031	13.98	RS602-2031-ALTIN	18.44
7/32	5/8	2-1/2	1/4	RS602-2188	14.23	RS602-2188-ALTIN	16.71
15/64	3/4	2-1/2	1/4	RS602-2344	16.13	RS602-2344-ALTIN	20.91
1/4	3/4	2-1/2	1/4	RS602-2500	11.76	RS602-2500-ALTIN	16.71
17/64	3/4	2-1/2	5/16	RS602-2656	21.21	RS602-2656-ALTIN	27.48
9/32	3/4	2-1/2	5/16	RS602-2812	21.21	RS602-2812-ALTIN	27.48
19/64	13/16	2-1/2	5/16	RS602-2969	21.21	RS602-2969-ALTIN	27.48
5/16	13/16	2-1/2	5/16	RS602-3125	15.43	RS602-3125-ALTIN	19.97
21/64	7/8	2-1/2	3/8	RS602-3281	23.93	RS602-3281-ALTIN	30.94
11/32	7/8	2-1/2	3/8	RS602-3438	23.93	RS602-3438-ALTIN	30.94
23/64	7/8	2-1/2	3/8	RS602-3594	23.93	RS602-3594-ALTIN	30.94
3/8	7/8	2-1/2	3/8	RS602-3750	18.32	RS602-3750-ALTIN	22.86
25/64	1	2-3/4	7/16	RS602-3906	31.35	RS602-3906-ALTIN	40.05
13/32	1	2-3/4	7/16	RS602-4062	31.35	RS602-4062-ALTIN	40.05
27/64	1	2-3/4	7/16	RS602-4219	32.30	RS602-4219-ALTIN	41.01
7/16	1	2-3/4	7/16	RS602-4375	28.09	RS602-4375-ALTIN	34.90
29/64	1	3	1/2	RS602-4531	46.53	RS602-4531-ALTIN	56.68
15/32	1	3	1/2	RS602-4688	46.53	RS602-4688-ALTIN	56.68
31/64	1	3	1/2	RS602-4844	46.53	RS602-4844-ALTIN	56.68
1/2	1	3	1/2	RS602-5000	33.83	RS602-5000-ALTIN	42.49
9/16	1-1/8	3-1/2	9/16	RS602-5625	63.69	RS602-5625-ALTIN	80.19
5/8	1-1/4	3-1/2	5/8	RS602-6250	64.77	RS602-6250-ALTIN	78.30
11/16	1-3/8	4	3/4	RS602-6875	99.25	RS602-6875-ALTIN	127.84
3/4	1-1/2	4	3/4	RS602-7500	90.51	RS602-7500-ALTIN	111.09
7/8	1-1/2	4	7/8	RS602-8750	166.36	RS602-8750-ALTIN	199.69
1	1-1/2	4	1	RS602-1000	152.38	RS602-1000-ALTIN	185.75



Phone: 610-326-2866

Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute Standard Ball Nose

Series RS602-BN

Two Flute, Single End, Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/32	1/8	1-1/2	1/8	RS602-0312-BN	10.11	RS602-0312-BN-ATN	13.24
3/64	9/64	1-1/2	1/8	RS602-0469-BN	10.11	RS602-0469-BN-ATN	13.24
1/16	3/16	1-1/2	1/8	RS602-0625-BN	9.41	RS602-0625-BN-ATN	12.71
5/64	1/4	1-1/2	1/8	RS602-0781-BN	9.41	RS602-0781-BN-ATN	12.71
3/32	5/16	1-1/2	1/8	RS602-0938-BN	9.86	RS602-0938-BN-ATN	13.49
7/64	3/8	1-1/2	1/8	RS602-1094-BN	9.86	RS602-1094-BN-ATN	13.49
1/8	1/2	1-1/2	1/8	RS602-1250-BN	9.08	RS602-1250-BN-ATN	12.30
9/64	1/2	2	3/16	RS602-1406-BN	13.12	RS602-1406-BN-ATN	17.20
5/32	9/16	2	3/16	RS602-1562-BN	13.12	RS602-1562-BN-ATN	17.20
11/64	9/16	2	3/16	RS602-1719-BN	13.12	RS602-1719-BN-ATN	17.20
3/16	5/8	2	3/16	RS602-1875-BN	11.80	RS602-1875-BN-ATN	15.88
13/64	5/8	2-1/2	1/4	RS602-2031-BN	17.25	RS602-2031-BN-ATN	22.48
7/32	5/8	2-1/2	1/4	RS602-2188-BN	17.25	RS602-2188-BN-ATN	21.99
15/64	3/4	2-1/2	1/4	RS602-2344-BN	17.25	RS602-2344-BN-ATN	22.48
1/4	3/4	2-1/2	1/4	RS602-2500-BN	16.79	RS602-2500-BN-ATN	20.91
17/64	3/4	2-1/2	5/16	RS602-2656-BN	21.78	RS602-2656-BN-ATN	28.05
9/32	3/4	2-1/2	5/16	RS602-2812-BN	21.82	RS602-2812-BN-ATN	28.09
19/64	13/16	2-1/2	5/16	RS602-2969-BN	23.68	RS602-2969-BN-ATN	29.49
5/16	13/16	2-1/2	5/16	RS602-3125-BN	20.09	RS602-3125-BN-ATN	26.03
21/64	7/8	2-1/2	3/8	RS602-3281-BN	27.51	RS602-3281-BN-ATN	34.98
11/32	7/8	2-1/2	3/8	RS602-3438-BN	28.92	RS602-3438-BN-ATN	36.39
23/64	7/8	2-1/2	3/8	RS602-3594-BN	27.51	RS602-3594-BN-ATN	34.98
3/8	7/8	2-1/2	3/8	RS602-3750-BN	21.62	RS602-3750-BN-ATN	29.08
25/64	1	2-3/4	7/16	RS602-3906-BN	37.38	RS602-3906-BN-ATN	46.08
13/32	1	2-3/4	7/16	RS602-4062-BN	37.54	RS602-4062-BN-ATN	46.24
27/64	1	2-3/4	7/16	RS602-4219-BN	37.38	RS602-4219-BN-ATN	46.08
7/16	1	2-3/4	7/16	RS602-4375-BN	31.77	RS602-4375-BN-ATN	40.47
29/64	1	3	1/2	RS602-4531-BN	49.21	RS602-4531-BN-ATN	59.36
15/32	1	3	1/2	RS602-4688-BN	49.21	RS602-4688-BN-ATN	59.36
31/64	1	3	1/2	RS602-4844-BN	49.21	RS602-4844-BN-ATN	59.36
1/2	1	3	1/2	RS602-5000-BN	43.81	RS602-5000-BN-ATN	53.96
9/16	1-1/8	3-1/2	9/16	RS602-5625-BN	66.75	RS602-5625-BN-ATN	79.32
5/8	1-1/4	3-1/2	5/8	RS602-6250-BN	70.50	RS602-6250-BN-ATN	83.08
11/16	1-3/8	4	3/4	RS602-6875-BN	113.83	RS602-6875-BN-ATN	148.34
3/4	1-1/2	4	3/4	RS602-7500-BN	103.87	RS602-7500-BN-ATN	128.91
7/8	1-1/2	4	7/8	RS602-8750-BN	201.06	RS602-8750-BN-ATN	219.16
1	1-1/2	4	1	RS602-1000-BN	185.42	RS602-1000-BN-ATN	207.12

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

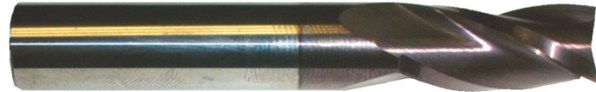
Shank Dia.: +0.0000/-0.0005

3-Flute Standard

Series RS603

Three Flute, Single End
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
1/16	3/16	1-1/2	1/8	RS603-0625	8.09	RS603-0625-ALTIN	9.33
5/64	3/16	1-1/2	1/8	RS603-0781	8.34	RS603-0781-ALTIN	11.31
3/32	5/16	1-1/2	1/8	RS603-0938	7.38	RS603-0938-ALTIN	9.33
7/64	7/16	1-1/2	1/8	RS603-1094	7.68	RS603-1094-ALTIN	10.35
1/8	1/2	1-1/2	1/8	RS603-1250	6.97	RS603-1250-ALTIN	8.67
9/64	1/2	2	3/16	RS603-1406	10.19	RS603-1406-ALTIN	14.03
5/32	9/16	2	3/16	RS603-1562	10.40	RS603-1562-ALTIN	12.05
11/64	5/8	2	3/16	RS603-1719	9.86	RS603-1719-ALTIN	13.41
3/16	5/8	2	3/16	RS603-1875	9.61	RS603-1875-ALTIN	12.05
13/64	5/8	2-1/2	1/4	RS603-2031	13.98	RS603-2031-ALTIN	18.44
7/32	5/8	2-1/2	1/4	RS603-2188	14.23	RS603-2188-ALTIN	16.71
15/64	3/4	2-1/2	1/4	RS603-2344	16.13	RS603-2344-ALTIN	20.91
1/4	3/4	2-1/2	1/4	RS603-2500	11.76	RS603-2500-ALTIN	16.71
17/64	3/4	2-1/2	5/16	RS603-2656	21.21	RS603-2656-ALTIN	27.48
9/32	3/4	2-1/2	5/16	RS603-2812	21.21	RS603-2812-ALTIN	27.48
19/64	13/16	2-1/2	5/16	RS603-2969	21.21	RS603-2969-ALTIN	27.48
5/16	13/16	2-1/2	5/16	RS603-3125	15.43	RS603-3125-ALTIN	19.97
3/8	7/8	2-1/2	3/8	RS603-3750	18.32	RS603-3750-ALTIN	22.86
7/16	1	2-3/4	7/16	RS603-4375	28.09	RS603-4375-ALTIN	34.90
1/2	1	3	1/2	RS603-5000	33.83	RS603-5000-ALTIN	42.49
9/16	1-1/8	3-1/2	9/16	RS603-5625	63.69	RS603-5625-ALTIN	80.19
5/8	1-1/4	3-1/2	5/8	RS603-6250	64.77	RS603-6250-ALTIN	78.30
3/4	1-1/2	4	3/4	RS603-7500	90.51	RS603-7500-ALTIN	111.09
7/8	1-1/2	4	7/8	RS603-8750	166.36	RS603-8750-ALTIN	199.69
1	1-1/2	4	1	RS603-1000	152.38	RS603-1000-ALTIN	185.75

being discontinued and are limited to remaining stock

Phone: 610-326-2866



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Shank Dia.: +0.0000/-0.0005

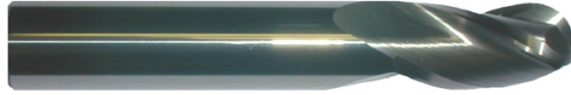
3-Flute Standard Ball Nose

Series RS603-BN

Three Flute, Single End, Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	3/16	1-1/2	1/8	RS603-0625-BN	9.41	RS603-0625-BN-ATN	12.71
3/32	5/16	1-1/2	1/8	RS603-0938-BN	9.86	RS603-0938-BN-ATN	13.49
1/8	1/2	1-1/2	1/8	RS603-1250-BN	9.08	RS603-1250-BN-ATN	12.30
5/32	9/16	2	3/16	RS603-1562-BN	13.12	RS603-1562-BN-ATN	17.20
3/16	5/8	2	3/16	RS603-1875-BN	11.80	RS603-1875-BN-ATN	15.88
13/64	5/8	2-1/2	1/4	RS603-2031-BN	17.25	RS603-2031-BN-ATN	22.48
7/32	5/8	2-1/2	1/4	RS603-2188-BN	17.25	RS603-2188-BN-ATN	21.99
15/64	3/4	2-1/2	1/4	RS603-2344-BN	17.25	RS603-2344-BN-ATN	22.48
1/4	3/4	2-1/2	1/4	RS603-2500-BN	16.79	RS603-2500-BN-ATN	20.91
9/32	3/4	2-1/2	5/16	RS603-2812-BN	21.82	RS603-2812-BN-ATN	28.09
19/64	13/16	2-1/2	5/16	RS603-2969-BN	23.68	RS603-2969-BN-ATN	29.49
5/16	13/16	2-1/2	5/16	RS603-3125-BN	20.09	RS603-3125-BN-ATN	26.03
3/8	7/8	2-1/2	3/8	RS603-3750-BN	21.62	RS603-3750-BN-ATN	29.08
7/16	1	2-3/4	7/16	RS603-4375-BN	31.77	RS603-4375-BN-ATN	40.47
1/2	1	3	1/2	RS603-5000-BN	43.81	RS603-5000-BN-ATN	53.96
9/16	1-1/8	3-1/2	9/16	RS603-5625-BN	66.75	RS603-5625-BN-ATN	79.32
5/8	1-1/4	3-1/2	5/8	RS603-6250-BN	70.50	RS603-6250-BN-ATN	83.08
3/4	1-1/2	4	3/4	RS603-7500-BN	103.87	RS603-7500-BN-ATN	128.91

being discontinued and are limited to remaining stock

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

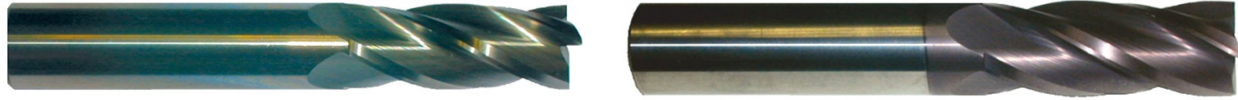
Shank Dia.: +0.0000/-0.0005

4-Flute Standard

Series RS604

Four Flute, Single End
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
1/32	1/8	1-1/2	1/8	RS604-0312	9.41	RS604-0312-ALTIN	12.83
3/64	9/64	1-1/2	1/8	RS604-0469	8.04	RS604-0469-ALTIN	10.98
1/16	3/16	1-1/2	1/8	RS604-0625	8.09	RS604-0625-ALTIN	9.33
5/64	1/4	1-1/2	1/8	RS604-0781	8.34	RS604-0781-ALTIN	11.31
3/32	5/16	1-1/2	1/8	RS604-0938	7.38	RS604-0938-ALTIN	9.33
7/64	3/8	1-1/2	1/8	RS604-1094	7.68	RS604-1094-ALTIN	10.35
3MM	1/2	1-1/2	1/8	RS604-1181	7.68	RS604-1181-ALTIN	10.35
1/8	1/2	1-1/2	1/8	RS604-1250	6.97	RS604-1250-ALTIN	8.67
9/64	1/2	2	3/16	RS604-1406	10.19	RS604-1406-ALTIN	14.03
5/32	9/16	2	3/16	RS604-1562	10.40	RS604-1562-ALTIN	12.05
11/64	9/16	2	3/16	RS604-1719	9.86	RS604-1719-ALTIN	13.41
3/16	5/8	2	3/16	RS604-1875	9.61	RS604-1875-ALTIN	12.05
13/64	5/8	2-1/2	1/4	RS604-2031	13.98	RS604-2031-ALTIN	18.44
7/32	5/8	2-1/2	1/4	RS604-2188	14.23	RS604-2188-ALTIN	16.71
15/64	3/4	2-1/2	1/4	RS604-2344	16.13	RS604-2344-ALTIN	20.91
1/4	3/4	2-1/2	1/4	RS604-2500	11.76	RS604-2500-ALTIN	16.71
17/64	3/4	2-1/2	5/16	RS604-2656	21.21	RS604-2656-ALTIN	27.48
9/32	3/4	2-1/2	5/16	RS604-2812	21.21	RS604-2812-ALTIN	27.48
19/64	13/16	2-1/2	5/16	RS604-2969	21.21	RS604-2969-ALTIN	27.48
5/16	13/16	2-1/2	5/16	RS604-3125	15.43	RS604-3125-ALTIN	19.97
21/64	7/8	2-1/2	3/8	RS604-3281	23.93	RS604-3281-ALTIN	30.94
11/32	7/8	2-1/2	3/8	RS604-3438	23.93	RS604-3438-ALTIN	30.94
23/64	7/8	2-1/2	3/8	RS604-3594	23.93	RS604-3594-ALTIN	30.94
3/8	7/8	2-1/2	3/8	RS604-3750	18.32	RS604-3750-ALTIN	22.86
25/64	1	2-3/4	7/16	RS604-3906	31.35	RS604-3906-ALTIN	40.05
13/32	1	2-3/4	7/16	RS604-4062	31.35	RS604-4062-ALTIN	40.05
27/64	1	2-3/4	7/16	RS604-4219	32.30	RS604-4219-ALTIN	41.01
7/16	1	2-3/4	7/16	RS604-4375	28.09	RS604-4375-ALTIN	34.90
29/64	1	3	1/2	RS604-4531	46.53	RS604-4531-ALTIN	56.68
15/32	1	3	1/2	RS604-4688	46.53	RS604-4688-ALTIN	56.68
31/64	1	3	1/2	RS604-4844	46.53	RS604-4844-ALTIN	56.68
1/2	1	3	1/2	RS604-5000	33.83	RS604-5000-ALTIN	42.49
1/2	1-1/4	3	1/2	RS604-5001	33.83	RS604-5001-ALTIN	42.49
9/16	1-1/8	3-1/2	9/16	RS604-5625	63.69	RS604-5625-ALTIN	80.19
5/8	1-1/4	3-1/2	5/8	RS604-6250	64.77	RS604-6250-ALTIN	78.30
11/16	1-3/8	4	3/4	RS604-6875	99.25	RS604-6875-ALTIN	127.84
3/4	1-1/2	4	3/4	RS604-7500	90.51	RS604-7500-ALTIN	111.09
7/8	1-1/2	4	7/8	RS604-8750	166.36	RS604-8750-ALTIN	199.69
1	1-1/2	4	1	RS604-1000	152.38	RS604-1000-ALTIN	185.75



Phone: 610-326-2866

Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

4-Flute Standard Ball Nose

Series RS604-BN

Four Flute, Single End, Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/32	1/8	1-1/2	1/8	RS604-0312-BN	10.11	RS604-0312-BN-ATN	13.24
3/64	9/64	1-1/2	1/8	RS604-0469-BN	10.11	RS604-0469-BN-ATN	13.24
1/16	3/16	1-1/2	1/8	RS604-0625-BN	9.41	RS604-0625-BN-ATN	12.71
5/64	1/4	1-1/2	1/8	RS604-0781-BN	9.41	RS604-0781-BN-ATN	12.71
3/32	5/16	1-1/2	1/8	RS604-0938-BN	9.86	RS604-0938-BN-ATN	13.49
7/64	3/8	1-1/2	1/8	RS604-1094-BN	9.86	RS604-1094-BN-ATN	13.49
1/8	1/2	1-1/2	1/8	RS604-1250-BN	9.08	RS604-1250-BN-ATN	12.30
9/64	1/2	2	3/16	RS604-1406-BN	13.12	RS604-1406-BN-ATN	17.20
5/32	9/16	2	3/16	RS604-1562-BN	13.12	RS604-1562-BN-ATN	17.20
11/64	9/16	2	3/16	RS604-1719-BN	13.12	RS604-1719-BN-ATN	17.20
3/16	5/8	2	3/16	RS604-1875-BN	11.80	RS604-1875-BN-ATN	15.88
13/64	5/8	2-1/2	1/4	RS604-2031-BN	17.25	RS604-2031-BN-ATN	21.99
7/32	5/8	2-1/2	1/4	RS604-2188-BN	17.25	RS604-2188-BN-ATN	21.99
15/64	3/4	2-1/2	1/4	RS604-2344-BN	17.25	RS604-2344-BN-ATN	21.99
1/4	3/4	2-1/2	1/4	RS604-2500-BN	16.79	RS604-2500-BN-ATN	20.91
17/64	3/4	2-1/2	5/16	RS604-2656-BN	21.78	RS604-2656-BN-ATN	28.05
9/32	3/4	2-1/2	5/16	RS604-2812-BN	21.82	RS604-2812-BN-ATN	28.09
19/64	13/16	2-1/2	5/16	RS604-2969-BN	23.68	RS604-2969-BN-ATN	29.95
5/16	13/16	2-1/2	5/16	RS604-3125-BN	20.09	RS604-3125-BN-ATN	26.03
21/64	7/8	2-1/2	3/8	RS604-3281-BN	27.51	RS604-3281-BN-ATN	34.98
11/32	7/8	2-1/2	3/8	RS604-3438-BN	28.92	RS604-3438-BN-ATN	36.39
23/64	7/8	2-1/2	3/8	RS604-3594-BN	27.51	RS604-3594-BN-ATN	34.98
3/8	7/8	2-1/2	3/8	RS604-3750-BN	21.62	RS604-3750-BN-ATN	29.08
25/64	1	2-3/4	7/16	RS604-3906-BN	37.38	RS604-3906-BN-ATN	46.08
13/32	1	2-3/4	7/16	RS604-4062-BN	37.54	RS604-4062-BN-ATN	46.24
27/64	1	2-3/4	7/16	RS604-4219-BN	37.38	RS604-4219-BN-ATN	46.08
7/16	1	2-3/4	7/16	RS604-4375-BN	31.77	RS604-4375-BN-ATN	40.47
29/64	1	3	1/2	RS604-4531-BN	49.21	RS604-4531-BN-ATN	59.36
15/32	1	3	1/2	RS604-4688-BN	49.21	RS604-4688-BN-ATN	59.36
31/64	1	3	1/2	RS604-4844-BN	49.21	RS604-4844-BN-ATN	59.36
1/2	1	3	1/2	RS604-5000-BN	43.81	RS604-5000-BN-ATN	53.96
9/16	1-1/8	3-1/2	9/16	RS604-5625-BN	66.75	RS604-5625-BN-ATN	79.32
5/8	1-1/4	3-1/2	5/8	RS604-6250-BN	70.50	RS604-6250-BN-ATN	83.08
11/16	1-3/8	4	3/4	RS604-6875-BN	113.83	RS604-6875-BN-ATN	148.34
3/4	1-1/2	4	3/4	RS604-7500-BN	103.87	RS604-7500-BN-ATN	128.91
7/8	1-1/2	4	7/8	RS604-8750-BN	201.06	RS604-8750-BN-ATN	243.46
1	1-1/2	4	1	RS604-1000-BN	185.42	RS604-1000-BN-ATN	227.70



Phone: 610-326-2866

Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute Stub, Std. & Ball Nose

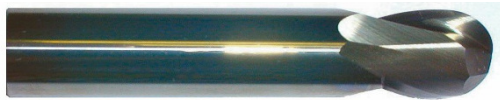
Series RS612/612-BN

Two Flute, Single End Std. & Ball Nose
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS612-0625	6.23	RS612-0625-ALTIN	8.13
5/64	5/32	1-1/2	1/8	RS612-0781	10.48	RS612-0781-ALTIN	13.16
3/32	3/16	1-1/2	1/8	RS612-0938	6.23	RS612-0938-ALTIN	8.13
7/64	7/32	1-1/2	1/8	RS612-1094	6.23	RS612-1094-ALTIN	8.13
1/8	1/4	1-1/2	1/8	RS612-1250	5.98	RS612-1250-ALTIN	7.76
9/64	9/32	2	3/16	RS612-1406	9.78	RS612-1406-ALTIN	12.21
5/32	5/16	2	3/16	RS612-1562	9.78	RS612-1562-ALTIN	12.21
3/16	3/8	2	3/16	RS612-1875	9.20	RS612-1875-ALTIN	11.31
7/32	7/16	2	1/4	RS612-2188	12.38	RS612-2188-ALTIN	14.89
1/4	1/2	2	1/4	RS612-2500	10.85	RS612-2500-ALTIN	13.57
5/16	1/2	2	5/16	RS612-3125	14.61	RS612-3125-ALTIN	19.23
3/8	5/8	2	3/8	RS612-3750	19.02	RS612-3750-ALTIN	23.64
7/16	5/8	2-1/2	7/16	RS612-4375	23.68	RS612-4375-ALTIN	29.54
1/2	5/8	2-1/2	1/2	RS612-5000	29.95	RS612-5000-ALTIN	37.46
5/8	3/4	3	5/8	RS612-6250	63.32	RS612-6250-ALTIN	75.12
3/4	1	3	3/4	RS612-7500	88.28	RS612-7500-ALTIN	102.30



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS612-0625-BN	8.04	RS612-0625-BN-ATN	10.40
5/64	5/32	1-1/2	1/8	RS612-0781-BN	12.99	RS612-0781-BN-ATN	16.46
3/32	3/16	1-1/2	1/8	RS612-0938-BN	8.04	RS612-0938-BN-ATN	10.40
7/64	7/32	1-1/2	1/8	RS612-1094-BN	8.04	RS612-1094-BN-ATN	10.40
1/8	1/4	1-1/2	1/8	RS612-1250-BN	7.63	RS612-1250-BN-ATN	9.86
9/64	9/32	2	3/16	RS612-1406-BN	12.71	RS612-1406-BN-ATN	16.46
5/32	5/16	2	3/16	RS612-1562-BN	12.71	RS612-1562-BN-ATN	16.46
3/16	3/8	2	3/16	RS612-1875-BN	11.97	RS612-1875-BN-ATN	15.39
7/32	7/16	2	1/4	RS612-2188-BN	16.13	RS612-2188-BN-ATN	20.71
1/4	1/2	2	1/4	RS612-2500-BN	15.35	RS612-2500-BN-ATN	19.26
5/16	1/2	2	5/16	RS612-3125-BN	19.02	RS612-3125-BN-ATN	24.54
3/8	5/8	2	3/8	RS612-3750-BN	24.59	RS612-3750-BN-ATN	30.20
7/16	5/8	2-1/2	7/16	RS612-4375-BN	30.81	RS612-4375-BN-ATN	37.79
1/2	5/8	2-1/2	1/2	RS612-5000-BN	38.61	RS612-5000-BN-ATN	48.76
5/8	3/4	3	5/8	RS612-6250-BN	73.88	RS612-6250-BN-ATN	85.68
3/4	1	3	3/4	RS612-7500-BN	112.78	RS612-7500-BN-ATN	126.81



Phone: 610-326-2866

Tolerances:

Cutting Dia.: +0.000/-0.002

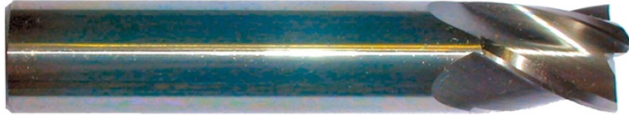
Shank Dia.: +0.0000/-0.0005

4-Flute Stub, Std. & Ball Nose

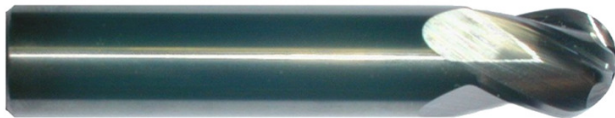
Series RS614/614-BN

Four Flute, Single End Std. & Ball Nose
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS614-0625	6.23	RS614-0625-ALTIN	8.13
5/64	5/32	1-1/2	1/8	RS614-0781	10.48	RS614-0781-ALTIN	13.16
3/32	3/16	1-1/2	1/8	RS614-0938	6.23	RS614-0938-ALTIN	8.13
7/64	7/32	1-1/2	1/8	RS614-1094	6.23	RS614-1094-ALTIN	8.13
1/8	1/4	1-1/2	1/8	RS614-1250	5.98	RS614-1250-ALTIN	7.76
9/64	9/32	2	3/16	RS614-1406	9.78	RS614-1406-ALTIN	12.21
5/32	5/16	2	3/16	RS614-1562	9.78	RS614-1562-ALTIN	12.21
3/16	3/8	2	3/16	RS614-1875	9.20	RS614-1875-ALTIN	11.55
7/32	7/16	2	1/4	RS614-2188	12.38	RS614-2188-ALTIN	15.51
1/4	1/2	2	1/4	RS614-2500	10.85	RS614-2500-ALTIN	13.57
5/16	1/2	2	5/16	RS614-3125	14.61	RS614-3125-ALTIN	19.23
3/8	5/8	2	3/8	RS614-3750	19.02	RS614-3750-ALTIN	23.64
7/16	5/8	2-1/2	7/16	RS614-4375	23.68	RS614-4375-ALTIN	29.54
1/2	5/8	2-1/2	1/2	RS614-5000	29.95	RS614-5000-ALTIN	37.46
5/8	3/4	3	5/8	RS614-6250	63.32	RS614-6250-ALTIN	75.12
3/4	1	3	3/4	RS614-7500	88.28	RS614-7500-ALTIN	104.12



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS614-0625-BN	8.04	RS614-0625-BN-ATN	10.40
5/64	5/32	1-1/2	1/8	RS614-0781-BN	12.99	RS614-0781-BN-ATN	16.46
3/32	3/16	1-1/2	1/8	RS614-0938-BN	8.04	RS614-0938-BN-ATN	10.40
7/64	7/32	1-1/2	1/8	RS614-1094-BN	8.04	RS614-1094-BN-ATN	10.40
1/8	1/4	1-1/2	1/8	RS614-1250-BN	7.63	RS614-1250-BN-ATN	9.86
9/64	9/32	2	3/16	RS614-1406-BN	12.71	RS614-1406-BN-ATN	16.46
5/32	5/16	2	3/16	RS614-1562-BN	12.71	RS614-1562-BN-ATN	16.46
3/16	3/8	2	3/16	RS614-1875-BN	11.97	RS614-1875-BN-ATN	15.39
7/32	7/16	2	1/4	RS614-2188-BN	16.13	RS614-2188-BN-ATN	20.71
1/4	1/2	2	1/4	RS614-2500-BN	15.35	RS614-2500-BN-ATN	19.97
5/16	1/2	2	5/16	RS614-3125-BN	19.02	RS614-3125-BN-ATN	24.54
3/8	5/8	2	3/8	RS614-3750-BN	24.59	RS614-3750-BN-ATN	30.20
7/16	5/8	2-1/2	7/16	RS614-4375-BN	30.81	RS614-4375-BN-ATN	37.79
1/2	5/8	2-1/2	1/2	RS614-5000-BN	38.61	RS614-5000-BN-ATN	48.76
5/8	3/4	3	5/8	RS614-6250-BN	73.88	RS614-6250-BN-ATN	85.68
3/4	1	3	3/4	RS614-7500-BN	112.78	RS614-7500-BN-ATN	136.99



Phone: 610-326-2866

Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

4-Flute Stub, Double End, Std. & Ballnose

Series RS624/624-BN

Four Flute, Double End Std. & Ball Nose

Center Cutting

Micro-Grain, Solid Carbide

RAZOR - SHARP
GRINDING

Produces the Cutting Edge for Industry



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS624-0625	12.58	RS624-0625-ALTIN	16.26
3/32	3/16	1-1/2	1/8	RS624-0938	12.96	RS624-0938-ALTIN	16.67
1/8	1/4	1-1/2	1/8	RS624-1250	10.48	RS624-1250-ALTIN	14.11
5/32	5/16	2	3/16	RS624-1562	14.69	RS624-1562-ALTIN	18.85
3/16	3/8	2	3/16	RS624-1875	14.69	RS624-1875-ALTIN	18.85
7/32	1/2	2-1/2	1/4	RS624-2188	20.22	RS624-2188-ALTIN	25.45
1/4	1/2	2-1/2	1/4	RS624-2500	20.22	RS624-2500-ALTIN	25.45
5/16	1/2	2-1/2	5/16	RS624-3125	26.16	RS624-3125-ALTIN	32.30
3/8	1/2	2-1/2	3/8	RS624-3750	28.80	RS624-3750-ALTIN	35.64
7/16	9/16	2-3/4	7/16	RS624-4375	40.71	RS624-4375-ALTIN	49.38
1/2	5/8	3	1/2	RS624-5000	49.79	RS624-5000-ALTIN	63.98



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	1/8	1-1/2	1/8	RS624-0625-BN	15.72	RS624-0625-BN-ATN	20.25
3/32	3/16	1-1/2	1/8	RS624-0938-BN	16.17	RS624-0938-BN-ATN	20.79
1/8	1/4	1-1/2	1/8	RS624-1250-BN	13.08	RS624-1250-BN-ATN	16.79
5/32	5/16	2	3/16	RS624-1562-BN	18.40	RS624-1562-BN-ATN	22.61
3/16	3/8	2	3/16	RS624-1875-BN	18.40	RS624-1875-BN-ATN	22.61
7/32	1/2	2-1/2	1/4	RS624-2188-BN	24.09	RS624-2188-BN-ATN	31.02
1/4	1/2	2-1/2	1/4	RS624-2500-BN	24.09	RS624-2500-BN-ATN	31.02
5/16	1/2	2-1/2	5/16	RS624-3125-BN	32.67	RS624-3125-BN-ATN	38.94
3/8	1/2	2-1/2	3/8	RS624-3750-BN	36.01	RS624-3750-BN-ATN	43.52
7/16	9/16	2-3/4	7/16	RS624-4375-BN	50.86	RS624-4375-BN-ATN	59.57
1/2	5/8	3	1/2	RS624-5000-BN	62.21	RS624-5000-BN-ATN	77.43

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

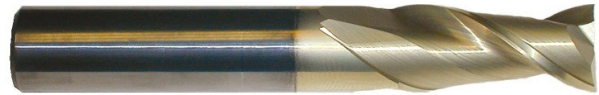
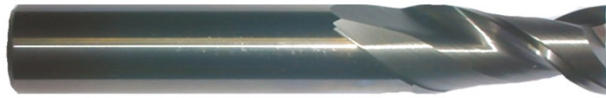
2-Flute - Aluminum Geometry

Series RS640

Two Flute, Single End

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ZrN
1/8	1/2	1-1/2	1/8	RS640-1250	12.50	RS640-1250-ZRN	14.52
3/16	5/8	2	3/16	RS640-1875	17.78	RS640-1875-ZRN	20.17
1/4	3/4	2-1/2	1/4	RS640-2500	25.08	RS640-2500-ZRN	28.17
1/4	1-1/2	4	1/4	RS640-2501	35.52	RS640-2501-ZRN	38.61
5/16	13/16	2-1/2	5/16	RS640-3125	29.70	RS640-3125-ZRN	33.42
5/16	1-5/8	4	5/16	RS640-3126	48.76	RS640-3126-ZRN	52.56
3/8	7/8	2-1/2	3/8	RS640-3750	31.06	RS640-3750-ZRN	35.40
3/8	1-3/4	4	3/8	RS640-3751	58.20	RS640-3751-ZRN	62.95
1/2	1	3	1/2	RS640-5000	49.92	RS640-5000-ZRN	55.89
1/2	2	4	1/2	RS640-5001	82.01	RS640-5001-ZRN	88.44
1/2	1-1/4	3	1/2	RS640-5002	49.92	RS640-5002-ZRN	55.89
5/8	1-1/4	3-1/2	5/8	RS640-6250	104.73	RS640-6250-ZRN	112.24
5/8	2-1/4	5	5/8	RS640-6251	183.24	RS640-6251-ZRN	191.61
3/4	1-1/2	4	3/4	RS640-7500	152.09	RS640-7500-ZRN	161.16
3/4	2-1/4	5	3/4	RS640-7501	198.17	RS640-7501-ZRN	208.11
1	2-1/4	5	1	RS640-1000	250.80	RS640-1000-ZRN	264.09
1	3	6	1	RS640-1001	311.56	RS640-1001-ZRN	337.26

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

4-Flute, Double End, Std. & Ballnose

Series RS644/644-BN

Four Flute, Double End Std. & Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/8	3	3/8	RS644-1250	46.95	RS644-1250-ALTIN	55.69
5/32	7/16	3	3/8	RS644-1562	46.95	RS644-1562-ALTIN	55.69
3/16	1/2	3-1/2	3/8	RS644-1875	46.95	RS644-1875-ALTIN	55.69
7/32	9/16	3-1/2	3/8	RS644-2188	47.64	RS644-2188-ALTIN	57.01
1/4	5/8	3-1/2	3/8	RS644-2500	47.64	RS644-2500-ALTIN	58.99
5/16	3/4	3-1/2	3/8	RS644-3125	48.84	RS644-3125-ALTIN	61.17
3/8	3/4	3-1/2	3/8	RS644-3750	48.84	RS644-3750-ALTIN	61.17
7/16	7/8	4	1/2	RS644-4375	70.87	RS644-4375-ALTIN	91.04
1/2	1	4	1/2	RS644-5000	79.57	RS644-5000-ALTIN	102.26



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/8	3	3/8	RS644-1250-BN	53.38	RS644-1250-BN-ATN	65.38
5/32	7/16	3	3/8	RS644-1562-BN	53.38	RS644-1562-BN-ATN	65.38
3/16	1/2	3-1/2	3/8	RS644-1875-BN	53.38	RS644-1875-BN-ATN	65.38
7/32	9/16	3-1/2	3/8	RS644-2188-BN	54.04	RS644-2188-BN-ATN	66.04
1/4	5/8	3-1/2	3/8	RS644-2500-BN	54.04	RS644-2500-BN-ATN	66.04
5/16	3/4	3-1/2	3/8	RS644-3125-BN	59.19	RS644-3125-BN-ATN	76.11
3/8	3/4	3-1/2	3/8	RS644-3750-BN	59.19	RS644-3750-BN-ATN	76.11
7/16	7/8	4	1/2	RS644-4375-BN	85.72	RS644-4375-BN-ATN	102.01
1/2	1	4	1/2	RS644-5000-BN	87.62	RS644-5000-BN-ATN	112.57

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

3-Flute Standard, 45 Degree Helix

Series RS645

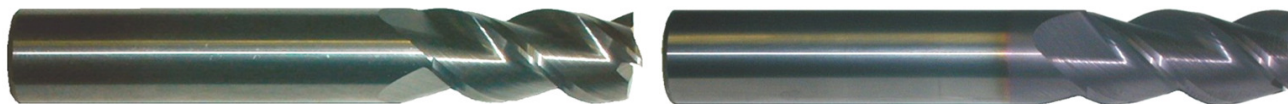
Three Flute, Single End, 45 degree Helix

Center Cutting

Micro-Grain, Solid Carbide



Produces the Cutting Edge for Industry



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/16	3/16	1-1/2	1/8	RS645-0625	7.54	RS645-0625-ALTIN	9.38
3/32	5/16	1-1/2	1/8	RS645-0938	7.54	RS645-0938-ALTIN	9.38
1/8	1/2	1-1/2	1/8	RS645-1250	7.54	RS645-1250-ALTIN	9.38
5/32	9/16	2	3/16	RS645-1562	11.13	RS645-1562-ALTIN	13.21
3/16	5/8	2	3/16	RS645-1875	11.13	RS645-1875-ALTIN	13.21
7/32	5/8	2-1/2	1/4	RS645-2188	15.05	RS645-2188-ALTIN	18.76
1/4	3/4	2-1/2	1/4	RS645-2500	14.56	RS645-2500-ALTIN	18.29
9/32	3/4	2-1/2	5/16	RS645-2812	17.74	RS645-2812-ALTIN	22.68
5/16	13/16	2-1/2	5/16	RS645-3125	18.12	RS645-3125-ALTIN	23.08
3/8	7/8	2-1/2	3/8	RS645-3750	24.23	RS645-3750-ALTIN	29.18
7/16	1	2-3/4	7/16	RS645-4375	30.46	RS645-4375-ALTIN	38.83
1/2	1	3	1/2	RS645-5000	42.25	RS645-5000-ALTIN	50.61
9/16	1-1/8	3-1/2	9/16	RS645-5625	56.96	RS645-5625-ALTIN	67.87
5/8	1-1/4	3-1/2	5/8	RS645-6250	66.06	RS645-6250-ALTIN	76.96
11/16	1-3/8	4	3/4	RS645-6875	102.38	RS645-6875-ALTIN	116.23
3/4	1-1/2	4	3/4	RS645-7500	105.05	RS645-7500-ALTIN	118.90
7/8	1-1/2	4	7/8	RS645-8750	173.57	RS645-8750-ALTIN	191.59
1	1-1/2	4	1	RS645-1000	192.50	RS645-1000-ALTIN	210.53

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

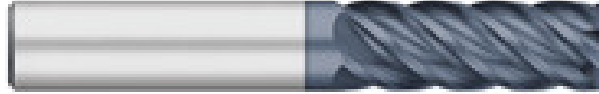
5-Flute Std, 45° Helix, AlTiN Coated

Series RS650

Steel, Stainless, Titanium, & High Temp Alloys

Eccentric OD, Center Cutting, AlTiN Coated

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price AlTiN
1/8	1/4	1 1/2	1/8	RS650-1250-1	17.11
1/8	1/2	1 1/2	1/8	RS650-1250-2	18.90
3/16	3/8	2	3/16	RS650-1875-1	18.48
3/16	5/8	2	3/16	RS650-1875-2	19.64
1/4	1/2	2	1/4	RS650-2500-1	20.22
1/4	3/4	2 1/2	1/4	RS650-2500-2	23.50
5/16	7/16	2	5/16	RS650-3125-1	29.04
5/16	13/16	2 1/2	5/16	RS650-3125-2	32.21
3/8	1/2	2	3/8	RS650-3750-1	35.24
3/8	1	2 1/2	3/8	RS650-3750-2	39.50
1/2	5/8	2 1/2	1/2	RS650-5000-1	48.63
1/2	1 1/4	3	1/2	RS650-5000-2	54.00
5/8	3/4	3	5/8	RS650-6250-1	99.80
5/8	1 5/8	3 1/2	5/8	RS650-6250-2	111.99
3/4	1	3	3/4	RS650-7500-1	128.40
3/4	1 5/8	4	3/4	RS650-7500-2	143.95
1	1 1/4	4	1	RS650-1000-1	202.75
1	2	4	1	RS650-1000-2	227.67

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

3-Flute Standard, 60 Degree Helix

Series RS660

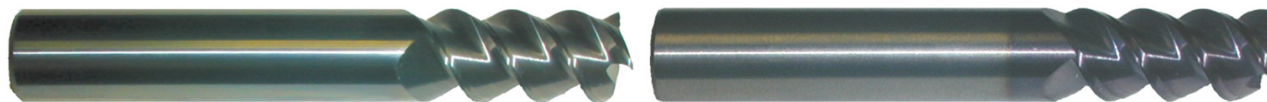
Three Flute, Single End, 60 degree Helix

Center Cutting

Micro-Grain, Solid Carbide



Produces the Cutting Edge for Industry



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	1/2	1-1/2	1/8	RS660-1250	7.37	RS660-1250-ALTIN	9.22
3/16	5/8	2	3/16	RS660-1875	10.77	RS660-1875-ALTIN	12.85
1/4	3/4	2-1/2	1/4	RS660-2500	13.89	RS660-2500-ALTIN	17.61
5/16	13/16	2-1/2	5/16	RS660-3125	17.08	RS660-3125-ALTIN	22.03
3/8	7/8	2-1/2	3/8	RS660-3750	23.00	RS660-3750-ALTIN	27.95
7/16	1	2-3/4	7/16	RS660-4375	30.67	RS660-4375-ALTIN	39.04
1/2	1	3	1/2	RS660-5000	40.32	RS660-5000-ALTIN	48.69
5/8	1-1/4	3-1/2	5/8	RS660-6250	65.65	RS660-6250-ALTIN	76.55
3/4	1-1/2	4	3/4	RS660-7500	99.23	RS660-7500-ALTIN	113.08
1	1-1/2	4	1	RS660-1000	182.23	RS660-1000-ALTIN	200.23

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

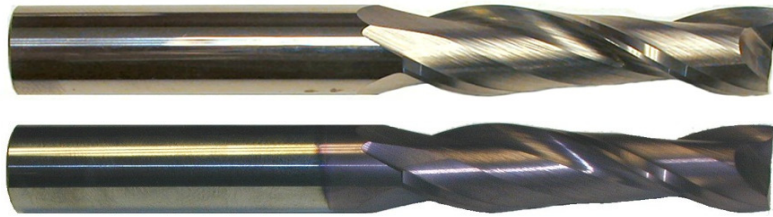
Shank Dia.: +0.0000/-0.0005

2-Flute, Long, Std. & Ball Nose

Series RS662/662-BN

Two Flute, Single End Std. & Ball Nose
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/4	2-1/4	1/8	RS662-1250	11.34	RS662-1250-ALTIN	14.73
3/16	3/4	2-1/4	3/16	RS662-1875	14.28	RS662-1875-ALTIN	17.25
1/4	1-1/8	3	1/4	RS662-2500	19.02	RS662-2500-ALTIN	24.26
5/16	1-1/8	3	5/16	RS662-3125	21.62	RS662-3125-ALTIN	27.89
3/8	1-1/8	3	3/8	RS662-3750	24.75	RS662-3750-ALTIN	32.22
7/16	2	4	7/16	RS662-4375	39.03	RS662-4375-ALTIN	48.30
1/2	2	4	1/2	RS662-5000	45.96	RS662-5000-ALTIN	56.85
5/8	2-1/4	5	5/8	RS662-6250	99.42	RS662-6250-ALTIN	117.19
3/4	2-1/4	5	3/4	RS662-7500	137.28	RS662-7500-ALTIN	168.80
1	2-1/4	5	1	RS662-1000	187.98	RS662-1000-ALTIN	211.37



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/4	2-1/4	1/8	RS662-1250-BN	13.41	RS662-1250-BN-ATN	17.28
3/16	3/4	2-1/4	3/16	RS662-1875-BN	15.55	RS662-1875-BN-ATN	19.92
1/4	1-1/8	3	1/4	RS662-2500-BN	21.78	RS662-2500-BN-ATN	27.02
5/16	1-1/8	3	5/16	RS662-3125-BN	25.58	RS662-3125-BN-ATN	31.85
3/8	1-1/8	3	3/8	RS662-3750-BN	29.74	RS662-3750-BN-ATN	37.21
7/16	2	4	7/16	RS662-4375-BN	49.46	RS662-4375-BN-ATN	58.74
1/2	2	4	1/2	RS662-5000-BN	51.15	RS662-5000-BN-ATN	62.04
5/8	2-1/4	5	5/8	RS662-6250-BN	117.15	RS662-6250-BN-ATN	130.72
3/4	2-1/4	5	3/4	RS662-7500-BN	162.40	RS662-7500-BN-ATN	178.53
1	2-1/4	5	1	RS662-1000-BN	321.30	RS662-1000-BN-ATN	344.69

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

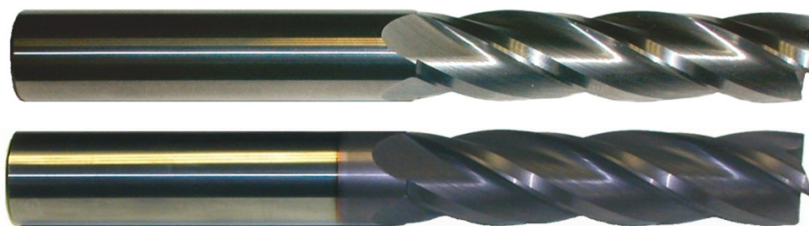
4-Flute, Long, Std. & Ball Nose

Series RS664/664-BN

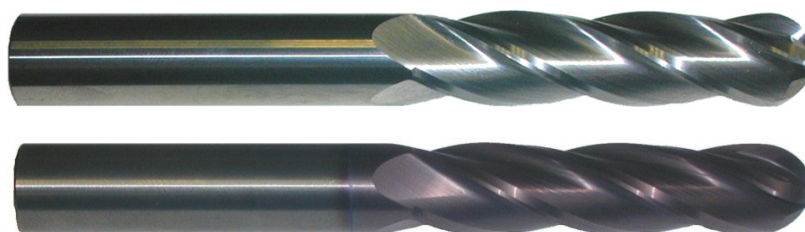
Four Flute, Single End Std. & Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/4	2-1/4	1/8	RS664-1250	11.34	RS664-1250-ALTIN	14.73
3/16	3/4	2-1/4	3/16	RS664-1875	14.28	RS664-1875-ALTIN	17.25
1/4	1-1/8	3	1/4	RS664-2500	19.02	RS664-2500-ALTIN	24.26
5/16	1-1/8	3	5/16	RS664-3125	21.62	RS664-3125-ALTIN	27.89
3/8	1-1/8	3	3/8	RS664-3750	24.75	RS664-3750-ALTIN	32.22
7/16	2	4	7/16	RS664-4375	39.03	RS664-4375-ALTIN	48.30
1/2	2	4	1/2	RS664-5000	45.96	RS664-5000-ALTIN	56.85
5/8	2-1/4	5	5/8	RS664-6250	99.42	RS664-6250-ALTIN	117.19
3/4	2-1/4	5	3/4	RS664-7500	137.28	RS664-7500-ALTIN	168.80
1	2-1/4	5	1	RS664-1000	187.98	RS664-1000-ALTIN	231.17



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	3/4	2-1/4	1/8	RS664-1250-BN	13.41	RS664-1250-BN-ATN	17.28
3/16	3/4	2-1/4	3/16	RS664-1875-BN	15.55	RS664-1875-BN-ATN	19.92
1/4	1-1/8	3	1/4	RS664-2500-BN	21.78	RS664-2500-BN-ATN	27.02
5/16	1-1/8	3	5/16	RS664-3125-BN	25.58	RS664-3125-BN-ATN	31.85
3/8	1-1/8	3	3/8	RS664-3750-BN	29.74	RS664-3750-BN-ATN	37.21
7/16	2	4	7/16	RS664-4375-BN	49.46	RS664-4375-BN-ATN	58.74
1/2	2	4	1/2	RS664-5000-BN	51.15	RS664-5000-BN-ATN	62.04
5/8	2-1/4	5	5/8	RS664-6250-BN	117.15	RS664-6250-BN-ATN	141.08
3/4	2-1/4	5	3/4	RS664-7500-BN	162.40	RS664-7500-BN-ATN	195.98
1	2-1/4	5	1	RS664-1000-BN	321.30	RS664-1000-BN-ATN	376.49

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute, Long Shank, Std. & Ball Nose

Series RS672/672-BN

Two Flute, Single End Std. & Ball Nose
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/4	3/4	4	1/4	RS672-2500	20.88	RS672-2500-ALTIN	26.15
5/16	3/4	4	5/16	RS672-3125	26.98	RS672-3125-ALTIN	33.63
3/8	1	6	3/8	RS672-3750	45.90	RS672-3750-ALTIN	56.34
1/2	1	6	1/2	RS672-5000	72.91	RS672-5000-ALTIN	85.79
5/8	1-1/4	6	5/8	RS672-6250	114.36	RS672-6250-ALTIN	128.39
3/4	1-1/2	6	3/4	RS672-7500	149.09	RS672-7500-ALTIN	165.98
1	1-1/2	6	1	RS672-1000	262.42	RS672-1000-ALTIN	286.23



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/4	3/4	4	1/4	RS672-2500-BN	23.68	RS672-2500-BN-ATN	28.93
5/16	3/4	4	5/16	RS672-3125-BN	30.54	RS672-3125-BN-ATN	37.17
3/8	1	6	3/8	RS672-3750-BN	50.48	RS672-3750-BN-ATN	60.90
1/2	1	6	1/2	RS672-5000-BN	83.16	RS672-5000-BN-ATN	96.06
5/8	1-1/4	6	5/8	RS672-6250-BN	130.99	RS672-6250-BN-ATN	145.04
3/4	1-1/2	6	3/4	RS672-7500-BN	169.75	RS672-7500-BN-ATN	186.64
1	1-1/2	6	1	RS672-1000-BN	299.82	RS672-1000-BN-ATN	323.65

Phone: 610-326-2866



Tolerances:
Cutting Dia.: +0.000/-0.002
Shank Dia.: +0.0000/-0.0005

4-Flute, Long Shank, Std. & Ball Nose

Series RS674/674-BN

Four Flute, Single End Std. & Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/4	3/4	4	1/4	RS674-2500	20.88	RS674-2500-ALTIN	26.15
5/16	3/4	4	5/16	RS674-3125	26.98	RS674-3125-ALTIN	33.63
3/8	1	6	3/8	RS674-3750	45.90	RS674-3750-ALTIN	56.34
1/2	1	6	1/2	RS674-5000	72.91	RS674-5000-ALTIN	85.79
5/8	1-1/4	6	5/8	RS674-6250	114.36	RS674-6250-ALTIN	128.39
3/4	1-1/2	6	3/4	RS674-7500	149.09	RS674-7500-ALTIN	165.98
1	1-1/2	6	1	RS674-1000	262.42	RS674-1000-ALTIN	286.23



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/4	3/4	4	1/4	RS674-2500-BN	23.68	RS674-2500-BN-ATN	28.93
5/16	3/4	4	5/16	RS674-3125-BN	30.54	RS674-3125-BN-ATN	37.17
3/8	1	6	3/8	RS674-3750-BN	50.48	RS674-3750-BN-ATN	60.90
1/2	1	6	1/2	RS674-5000-BN	83.16	RS674-5000-BN-ATN	96.06
5/8	1-1/4	6	5/8	RS674-6250-BN	130.99	RS674-6250-BN-ATN	145.04
3/4	1-1/2	6	3/4	RS674-7500-BN	169.75	RS674-7500-BN-ATN	186.64
1	1-1/2	6	1	RS674-1000-BN	299.82	RS674-1000-BN-ATN	323.65

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute, Extra Long, Std. & Ball Nose

Series RS682/682-BN

Two Flute, Single End Std. & Ball Nose
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	1	3	1/8	RS682-1250	12.71	RS682-1250-ALTIN	16.59
3/16	1-1/8	3	3/16	RS682-1875	13.82	RS682-1875-ALTIN	17.78
1/4	1-1/2	4	1/4	RS682-2500	20.71	RS682-2500-ALTIN	26.32
5/16	1-5/8	4	5/16	RS682-3125	26.52	RS682-3125-ALTIN	33.25
3/8	1-3/4	4	3/8	RS682-3750	30.24	RS682-3750-ALTIN	38.24
7/16	3	6	7/16	RS682-4375	61.71	RS682-4375-ALTIN	75.03
1/2	3	6	1/2	RS682-5000	73.14	RS682-5000-ALTIN	85.80
5/8	3	6	5/8	RS682-6250	107.25	RS682-6250-ALTIN	121.89
3/4	3	6	3/4	RS682-7500	160.14	RS682-7500-ALTIN	186.62
1	3	6	1	RS682-1000	270.60	RS682-1000-ALTIN	295.89



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	1	3	1/8	RS682-1250-BN	15.18	RS682-1250-BN-ATN	19.06
3/16	1-1/8	3	3/16	RS682-1875-BN	18.11	RS682-1875-BN-ATN	21.45
1/4	1-1/2	4	1/4	RS682-2500-BN	26.49	RS682-2500-BN-ATN	29.79
5/16	1-5/8	4	5/16	RS682-3125-BN	31.97	RS682-3125-BN-ATN	38.70
3/8	1-3/4	4	3/8	RS682-3750-BN	34.44	RS682-3750-BN-ATN	42.45
7/16	3	6	7/16	RS682-4375-BN	72.85	RS682-4375-BN-ATN	83.66
1/2	3	6	1/2	RS682-5000-BN	78.05	RS682-5000-BN-ATN	90.71
5/8	3	6	5/8	RS682-6250-BN	122.47	RS682-6250-BN-ATN	137.12
3/4	3	6	3/4	RS682-7500-BN	173.75	RS682-7500-BN-ATN	191.19
1	3	6	1	RS682-1000-BN	309.96	RS682-1000-BN-ATN	335.24

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

4-Flute, Extra Long, Std. & Ball Nose

Series RS684/684-BN

Four Flute, Single End Std. & Ball Nose

Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	1	3	1/8	RS684-1250	12.71	RS684-1250-ALTIN	16.59
3/16	1-1/8	3	3/16	RS684-1875	13.82	RS684-1875-ALTIN	17.78
1/4	1-1/2	4	1/4	RS684-2500	20.71	RS684-2500-ALTIN	26.32
5/16	1-5/8	4	5/16	RS684-3125	26.52	RS684-3125-ALTIN	33.25
3/8	1-3/4	4	3/8	RS684-3750	30.24	RS684-3750-ALTIN	38.24
7/16	3	6	7/16	RS684-4375	61.71	RS684-4375-ALTIN	75.03
1/2	3	6	1/2	RS684-5000	73.14	RS684-5000-ALTIN	85.80
5/8	3	6	5/8	RS684-6250	107.25	RS684-6250-ALTIN	125.65
3/4	3	6	3/4	RS684-7500	160.14	RS684-7500-ALTIN	186.62
3/4	4	7	3/4	RS684-7501	274.89	RS684-7501-ALTIN	295.56
1	3	6	1	RS684-1000	270.60	RS684-1000-ALTIN	316.92
1	4	7	1	RS684-1001	354.71	RS684-1001-ALTIN	414.93



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/8	1	3	1/8	RS684-1250-BN	15.18	RS684-1250-BN-ATN	19.06
3/16	1-1/8	3	3/16	RS684-1875-BN	18.11	RS684-1875-BN-ATN	21.45
1/4	1-1/2	4	1/4	RS684-2500-BN	26.49	RS684-2500-BN-ATN	29.79
5/16	1-5/8	4	5/16	RS684-3125-BN	31.97	RS684-3125-BN-ATN	38.70
3/8	1-3/4	4	3/8	RS684-3750-BN	34.44	RS684-3750-BN-ATN	42.45
7/16	3	6	7/16	RS684-4375-BN	72.85	RS684-4375-BN-ATN	89.10
1/2	3	6	1/2	RS684-5000-BN	78.05	RS684-5000-BN-ATN	90.71
5/8	3	6	5/8	RS684-6250-BN	122.47	RS684-6250-BN-ATN	137.12
3/4	3	6	3/4	RS684-7500-BN	173.75	RS684-7500-BN-ATN	223.50
3/4	4	7	3/4	RS684-7501-BN	287.47	RS684-7501-BN-ATN	306.45
1	3	6	1	RS684-1000-BN	309.96	RS684-1000-BN-ATN	380.33
1	4	7	1	RS684-1001-BN	376.70	RS684-1001-BN-ATN	404.13

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute for Plastic Milling

Series RS152

Two Flute, Single End Plastic Cutting
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price
3/32	9/64	1 1/2	1/8	RS152-0938-S	19.38
3/32	9/32	2 1/4	1/8	RS152-0938-1	20.02
1/8	3/8	2 1/4	1/8	RS152-1250-1	19.90
1/8	5/8	2 1/4	1/8	RS152-1250-2	21.81
5/32	3/4	3	3/16	RS152-1562-2	34.01
3/16	1/2	2 1/2	3/16	RS152-1875-1	21.05
3/16	5/8	2 1/2	1/4	RS152-1875-2	32.09
3/16	1	3	1/4	RS152-1875-3	39.79
1/4	7/8	3	1/4	RS152-2500-1	28.25
1/4	1 1/4	3	1/4	RS152-2500-2	35.38
5/16	7/8	3	3/8	RS152-3125-1	40.12
5/16	1 3/4	4	3/8	RS152-3125-2	51.34
3/8	7/8	3	3/8	RS152-3750-1	38.37
3/8	1 1/2	4	3/8	RS152-3750-2	49.19
3/8	1 1/16	3	3/8	RS152-3750-3	44.15
7/16	1 3/4	4	1/2	RS152-4375-2	78.94
1/2	1 1/4	4	1/2	RS152-5000-1	74.81
1/2	1 3/4	4	1/2	RS152-5000-2	84.32
1/2	2 1/8	5	1/2	RS152-5000-3	110.42
1/2	2 1/2	5	1/2	RS152-5000-4	124.41
5/8	1 1/2	4	5/8	RS152-6250-1	92.46
5/8	2 1/4	5	5/8	RS152-6250-2	163.60
3/4	1 1/2	4	3/4	RS152-7500-1	113.40
3/4	2 1/4	5	3/4	RS152-7500-2	137.39
3/4	3	6	3/4	RS152-7500-3	181.81
1	1 1/2	4	1	RS152-1000-1	208.87
1	3	6	1	RS152-1000-2	360.57

Phone: 610-326-2866



O-Flute for Plastic Milling

Series RS151

O-flute Downcut Router
Center Cutting

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price
1/4	3/4	2 1/2	1/4	RS151-2500	24.32
3/8	7/8	3	3/8	RS151-3750	39.18

Series RS161

Single Flute Straight Router



Size	LOC	OAL	Shank Diameter	EDP Number	Price
1/4	1/2	2 1/2	1/4	RS161-2500	28.70
3/8	5/8	3	3/8	RS161-3750	42.77
1/2	3/4	3 1/2	1/2	RS161-5000	57.71

Series RS171

O-flute Upcut Router



Size	LOC	OAL	Shank Diameter	EDP Number	Price
1/4	3/4	2 1/2	1/4	RS171-2500	24.32
3/8	7/8	3	3/8	RS171-3750	39.18

Phone: 610-326-2866



3-Flute Tapered End Mills

Series RS7000

Three Flute, Single End

Tapers are in Degrees per side

Micro-Grain, Solid Carbide



Taper	Tip Diameter	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
1/2°	3/32	3/4	2-1/4	1/8	RS7005-63	27.35	RS7005-63-ALTIN	29.74
	1/8	3/4	2-1/2	1/4	RS7005-83	31.00	RS7005-83-ALTIN	34.72
	1/8	1	3	1/4	RS7005-84	37.54	RS7005-84-ALTIN	41.26
	3/16	3/4	2-1/2	1/4	RS7005-123	31.00	RS7005-123-ALTIN	34.72
	3/16	1-1/4	3	1/4	RS7005-125	39.03	RS7005-125-ALTIN	42.76
	1/4	3/4	2-1/2	3/8	RS7005-163	44.72	RS7005-163-ALTIN	49.67
	1/4	1-1/4	3	3/8	RS7005-165	47.56	RS7005-165-ALTIN	52.50
1°	3/32	1/2	2-1/4	1/8	RS7010-62	28.11	RS7010-62-ALTIN	30.48
	3/32	1	3	1/4	RS7010-64	32.02	RS7010-64-ALTIN	35.74
	1/8	3/4	2-1/2	1/4	RS7010-83	35.42	RS7010-83-ALTIN	39.14
	1/8	1	3	1/4	RS7010-84	37.54	RS7010-84-ALTIN	41.26
	1/8	1-1/2	3	1/4	RS7010-86	42.43	RS7010-86-ALTIN	46.15
	3/16	3/4	2-1/2	1/4	RS7010-123	35.42	RS7010-123-ALTIN	39.14
	3/16	1-1/4	3	1/4	RS7010-125	40.49	RS7010-125-ALTIN	44.22
	3/16	1-3/4	4	1/4	RS7010-127	52.93	RS7010-127-ALTIN	57.90
	1/4	3/4	2-1/2	3/8	RS7010-163	44.72	RS7010-163-ALTIN	49.67
	1/4	1-1/4	3	3/8	RS7010-165	50.02	RS7010-165-ALTIN	54.97
	1/4	2	4	3/8	RS7010-168	68.96	RS7010-168-ALTIN	75.22
1-1/2°	3/32	1	3	1/4	RS7015-64	32.02	RS7015-64-ALTIN	35.74
	1/8	3/4	2-1/2	1/4	RS7015-83	35.42	RS7015-83-ALTIN	39.14
	1/8	1-1/2	3	1/4	RS7015-86	42.74	RS7015-86-ALTIN	46.46
	3/16	1-1/4	3	3/8	RS7015-125	47.56	RS7015-125-ALTIN	52.50
	3/16	1-3/4	3-1/2	3/8	RS7015-127	50.56	RS7015-127-ALTIN	56.79
	1/4	3/4	2-1/2	3/8	RS7015-163	40.25	RS7015-163-ALTIN	45.22
	1/4	1-1/4	3	3/8	RS7015-165	50.02	RS7015-165-ALTIN	54.97
2°	3/32	3/4	2-1/2	1/4	RS7020-63	33.90	RS7020-63-ALTIN	37.62
	3/32	1	3	1/4	RS7020-64	36.76	RS7020-64-ALTIN	40.48
	1/8	3/4	2-1/2	1/4	RS7020-83	35.42	RS7020-83-ALTIN	39.14
	1/8	1-1/4	3	1/4	RS7020-85	38.28	RS7020-85-ALTIN	42.00
	3/16	3/4	2-1/2	1/4	RS7020-123	36.52	RS7020-123-ALTIN	40.24
	3/16	1-1/4	3	3/8	RS7020-125	42.33	RS7020-125-ALTIN	47.30
	3/16	1-3/4	3-1/2	3/8	RS7020-127	54.68	RS7020-127-ALTIN	60.94
	1/4	3/4	2-1/2	3/8	RS7020-163	44.72	RS7020-163-ALTIN	49.67
	1/4	1-1/4	3	3/8	RS7020-165	50.02	RS7020-165-ALTIN	54.97
	1/4	2	4	1/2	RS7020-168	72.00	RS7020-168-ALTIN	81.35

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

3-Flute Tapered End Mills

Series RS7000

Three Flute, Single End

Tapers are in Degrees per side

Micro-Grain, Solid Carbide



Taper	Tip Diameter	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
3°	3/32	1	3	1/4	RS7030-64	36.41	RS7030-64-ALTIN	40.14
	3/32	1-1/2	3	1/4	RS7030-66	42.74	RS7030-66-ALTIN	46.46
	1/8	3/4	2-1/2	1/4	RS7030-83	35.06	RS7030-83-ALTIN	38.78
	1/8	1	3	1/4	RS7030-84	37.16	RS7030-84-ALTIN	40.88
	1/8	1-1/2	3-1/2	3/8	RS7030-86	50.56	RS7030-86-ALTIN	56.79
	1/8	2	3-1/2	3/8	RS7030-88	60.76	RS7030-88-ALTIN	67.01
	5/32	1-1/4	3	3/8	RS7030-105	47.56	RS7030-105-ALTIN	52.50
	5/32	1-3/4	3-1/2	3/8	RS7030-107	59.86	RS7030-107-ALTIN	66.11
	3/16	3/4	2-1/2	3/8	RS7030-123	44.72	RS7030-123-ALTIN	49.67
	3/16	1-1/4	3	3/8	RS7030-125	50.02	RS7030-125-ALTIN	54.97
	1/4	3/4	2-1/2	3/8	RS7030-163	44.72	RS7030-163-ALTIN	49.67
	1/4	1-3/16	3	3/8	RS7030-165	50.02	RS7030-165-ALTIN	54.97
	1/4	2	4	1/2	RS7030-168	72.00	RS7030-168-ALTIN	81.35
4°	3/32	1	3	1/4	RS7040-64	32.02	RS7040-64-ALTIN	35.74
	1/8	3/4	2-1/2	1/4	RS7040-83	35.06	RS7040-83-ALTIN	38.78
	1/8	1	3	3/8	RS7040-84	38.98	RS7040-84-ALTIN	43.93
	3/16	3/4	2-1/2	3/8	RS7040-123	44.72	RS7040-123-ALTIN	49.67
	3/16	1-1/4	3	3/8	RS7040-125	50.02	RS7040-125-ALTIN	54.97
	1/4	3/4	2-1/2	3/8	RS7040-163	44.72	RS7040-163-ALTIN	49.67
	1/4	1-1/4	4	1/2	RS7040-165	72.00	RS7040-165-ALTIN	81.35
5°	3/32	3/4	2-1/2	1/4	RS7050-63	36.92	RS7050-63-ALTIN	40.63
	3/32	1	3	3/8	RS7050-64	46.05	RS7050-64-ALTIN	51.01
	3/32	1-1/2	3-1/2	3/8	RS7050-66	50.56	RS7050-66-ALTIN	56.79
	1/8	11/16	2-1/2	1/4	RS7050-83	32.44	RS7050-83-ALTIN	36.17
	1/8	1	3	3/8	RS7050-84	47.56	RS7050-84-ALTIN	52.50
	1/8	1-7/16	3-1/2	3/8	RS7050-86	50.56	RS7050-86-ALTIN	56.79
	3/16	3/4	2-1/2	3/8	RS7050-123	44.72	RS7050-123-ALTIN	49.67
	3/16	1-1/4	3	1/2	RS7050-125	70.05	RS7050-125-ALTIN	78.43
	1/4	3/4	2-1/2	1/2	RS7050-163	53.20	RS7050-163-ALTIN	61.57
	1/4	1	3	1/2	RS7050-164	59.77	RS7050-164-ALTIN	68.13
	1/4	1-1/4	4	1/2	RS7050-165	72.00	RS7050-165-ALTIN	81.35
	1/4	2	5	5/8	RS7050-168	91.71	RS7050-168-ALTIN	105.41

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

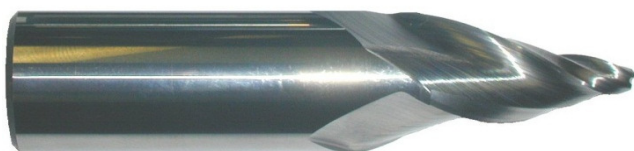
3-Flute Tapered End Mills

Series RS7000

Three Flute, Single End

Tapers are in Degrees per side

Micro-Grain, Solid Carbide



Taper	Tip Diameter	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
7°	3/32	1	3	3/8	RS7070-64	47.16	RS7070-64-ALTIN	52.12
	1/8	1/2	2-1/2	3/8	RS7070-82	43.23	RS7070-82-ALTIN	48.19
	1/8	3/4	2-1/2	3/8	RS7070-83	46.22	RS7070-83-ALTIN	51.17
	1/8	1	3	3/8	RS7070-84	50.02	RS7070-84-ALTIN	54.97
	1/8	1-1/2	4	1/2	RS7070-86	64.70	RS7070-86-ALTIN	74.05
	5/32	3/4	2-1/2	3/8	RS7070-103	46.22	RS7070-103-ALTIN	51.17
	3/16	1-1/4	4	1/2	RS7070-125	72.00	RS7070-125-ALTIN	81.35
	1/4	3/4	2-1/2	1/2	RS7070-163	61.75	RS7070-163-ALTIN	70.13
	1/4	1-1/4	3-1/2	5/8	RS7070-165	81.53	RS7070-165-ALTIN	92.43
10°	3/32	7/16	2-1/2	1/4	RS7100-62	31.00	RS7100-62-ALTIN	34.72
	3/32	1-1/2	3-1/2	5/8	RS7100-66	81.53	RS7100-66-ALTIN	92.43
	1/8	11/16	2-1/2	3/8	RS7100-83	46.22	RS7100-83-ALTIN	51.17
	1/8	1	3	1/2	RS7100-84	70.05	RS7100-84-ALTIN	78.43
	1/8	1-1/4	3-1/2	5/8	RS7100-85	81.53	RS7100-85-ALTIN	92.43
	3/16	1-1/4	3-1/2	5/8	RS7100-125	81.53	RS7100-125-ALTIN	92.43
	1/4	3/4	3	5/8	RS7100-163	78.24	RS7100-163-ALTIN	87.01
	1/4	1	3	5/8	RS7100-164	80.06	RS7100-164-ALTIN	88.83
15°	1/8	3/8	2-1/2	3/8	RS7150-1015	54.82	RS7150-1015-ALTIN	59.79
	1/8	1	3	3/4	RS7150-84	168.75	RS7150-84-ALTIN	179.36
	3/16	1	3	3/4	RS7150-124	177.72	RS7150-124-ALTIN	188.33
	1/4	1	3	3/4	RS7150-164	183.67	RS7150-164-ALTIN	194.28
20°	1/8	11/32	2-1/2	3/8	RS7200-815	59.27	RS7200-815-ALTIN	64.22
25°	1/8	3/8	3	1/2	RS7250-815	66.84	RS7250-815-ALTIN	75.22
30°	3/32	11/32	3	1/2	RS7300-615	66.84	RS7300-615-ALTIN	75.22

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005

2-Flute Coarse Pitch Aluminum Roughers

Series RS802-C

Two Flute, Single End, Roughing Mills

Center Cutting, Coarse Pitch

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ZrN
1/4	1/2	2	1/4	RS802-2500-1C	19.34	RS802-2500-1C-ZRN	22.70
1/4	3/4	2-1/2	1/4	RS802-2500-2C	20.58	RS802-2500-2C-ZRN	24.55
1/4	1-1/8	3	1/4	RS802-2500-3C	30.34	RS802-2500-3C-ZRN	34.32
1/4	3/4	4	1/4	RS802-2500-4C	29.78	RS802-2500-4C-ZRN	35.09
5/16	1/2	2	5/16	RS802-3125-1C	23.86	RS802-3125-1C-ZRN	28.63
5/16	13/16	2-1/2	5/16	RS802-3125-2C	25.45	RS802-3125-2C-ZRN	30.77
5/16	1-1/8	3	5/16	RS802-3125-3C	37.49	RS802-3125-3C-ZRN	42.80
5/16	3/4	4	5/16	RS802-3125-4C	36.91	RS802-3125-4C-ZRN	43.60
3/8	5/8	2	3/8	RS802-3750-1C	31.50	RS802-3750-1C-ZRN	36.29
3/8	7/8	2-1/2	3/8	RS802-3750-2C	33.62	RS802-3750-2C-ZRN	38.93
3/8	1-1/8	3	3/8	RS802-3750-3C	49.51	RS802-3750-3C-ZRN	54.82
3/8	1	4	3/8	RS802-3750-4C	49.10	RS802-3750-4C-ZRN	55.80
1/2	5/8	2-1/2	1/2	RS802-5000-1C	50.13	RS802-5000-1C-ZRN	59.09
1/2	1	3	1/2	RS802-5000-2C	53.52	RS802-5000-2C-ZRN	62.47
1/2	2	4	1/2	RS802-5000-3C	79.13	RS802-5000-3C-ZRN	89.16
1/2	1	6	1/2	RS802-5000-4C	85.32	RS802-5000-4C-ZRN	98.33
5/8	3/4	3	5/8	RS802-6250-1C	79.97	RS802-6250-1C-ZRN	89.36
5/8	1-1/4	3-1/2	5/8	RS802-6250-2C	85.15	RS802-6250-2C-ZRN	96.83
5/8	2-1/4	5	5/8	RS802-6250-3C	126.87	RS802-6250-3C-ZRN	141.56
5/8	1-1/4	6	5/8	RS802-6250-4C	125.42	RS802-6250-4C-ZRN	139.59
3/4	1	3	3/4	RS802-7500-1C	108.98	RS802-7500-1C-ZRN	120.35
3/4	1-1/2	4	3/4	RS802-7500-2C	120.27	RS802-7500-2C-ZRN	135.11
3/4	2-1/4	5	3/4	RS802-7500-3C	173.10	RS802-7500-3C-ZRN	189.46
3/4	1-1/2	6	3/4	RS802-7500-4C	171.20	RS802-7500-4C-ZRN	188.27
1	1	3	1	RS802-1000-1C	201.74	RS802-1000-1C-ZRN	215.29
1	1-1/2	4	1	RS802-1000-2C	218.70	RS802-1000-2C-ZRN	238.00
1	2-1/4	5	1	RS802-1000-3C	311.61	RS802-1000-3C-ZRN	333.78
1	1-1/2	6	1	RS802-1000-4C	307.62	RS802-1000-4C-ZRN	331.67

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.003

Shank Dia.: +0.0000/-0.0005

3-Flute Coarse Pitch Aluminum Roughers

Series RS803-C

Three Flute, Single End, Roughing Mills

Center Cutting, Coarse Pitch

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ZrN
1/4	1/2	2	1/4	RS803-2500-1C	19.34	RS803-2500-1C-ZRN	22.70
1/4	3/4	2-1/2	1/4	RS803-2500-2C	20.58	RS803-2500-2C-ZRN	24.55
1/4	1-1/8	3	1/4	RS803-2500-3C	30.34	RS803-2500-3C-ZRN	34.32
1/4	3/4	4	1/4	RS803-2500-4C	29.78	RS803-2500-4C-ZRN	35.09
5/16	1/2	2	5/16	RS803-3125-1C	23.86	RS803-3125-1C-ZRN	28.63
5/16	13/16	2-1/2	5/16	RS803-3125-2C	25.45	RS803-3125-2C-ZRN	30.77
5/16	1-1/8	3	5/16	RS803-3125-3C	37.49	RS803-3125-3C-ZRN	42.80
5/16	3/4	4	5/16	RS803-3125-4C	36.91	RS803-3125-4C-ZRN	43.60
3/8	5/8	2	3/8	RS803-3750-1C	31.50	RS803-3750-1C-ZRN	36.29
3/8	7/8	2-1/2	3/8	RS803-3750-2C	33.62	RS803-3750-2C-ZRN	38.93
3/8	1-1/8	3	3/8	RS803-3750-3C	49.51	RS803-3750-3C-ZRN	54.82
3/8	1	4	3/8	RS803-3750-4C	49.10	RS803-3750-4C-ZRN	55.80
1/2	5/8	2-1/2	1/2	RS803-5000-1C	50.13	RS803-5000-1C-ZRN	59.09
1/2	1	3	1/2	RS803-5000-2C	53.52	RS803-5000-2C-ZRN	62.47
1/2	2	4	1/2	RS803-5000-3C	79.13	RS803-5000-3C-ZRN	89.16
1/2	1	6	1/2	RS803-5000-4C	85.32	RS803-5000-4C-ZRN	98.33
5/8	3/4	3	5/8	RS803-6250-1C	79.97	RS803-6250-1C-ZRN	89.36
5/8	1-1/4	3-1/2	5/8	RS803-6250-2C	85.15	RS803-6250-2C-ZRN	96.83
5/8	2-1/4	5	5/8	RS803-6250-3C	126.87	RS803-6250-3C-ZRN	141.56
5/8	1-1/4	6	5/8	RS803-6250-4C	125.42	RS803-6250-4C-ZRN	139.59
3/4	1	3	3/4	RS803-7500-1C	108.98	RS803-7500-1C-ZRN	120.35
3/4	1-1/2	4	3/4	RS803-7500-2C	120.27	RS803-7500-2C-ZRN	135.11
3/4	2-1/4	5	3/4	RS803-7500-3C	173.10	RS803-7500-3C-ZRN	189.46
3/4	1-1/2	6	3/4	RS803-7500-4C	171.20	RS803-7500-4C-ZRN	188.27
1	1	3	1	RS803-1000-1C	201.74	RS803-1000-1C-ZRN	215.29
1	1-1/2	4	1	RS803-1000-2C	218.70	RS803-1000-2C-ZRN	238.00
1	2-1/4	5	1	RS803-1000-3C	311.61	RS803-1000-3C-ZRN	333.78
1	1-1/2	6	1	RS803-1000-4C	307.62	RS803-1000-4C-ZRN	331.67

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.003

Shank Dia.: +0.0000/-0.0005

4 Flute Coarse Pitch Roughers

Series RS804-C

Four Flute, Single End, Roughing Mills

Center Cutting, Coarse Pitch

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
1/4	1/2	2	1/4	RS804-2500-1C	19.34	RS804-2500-1C-ALTIN	22.47
1/4	3/4	2-1/2	1/4	RS804-2500-2C	20.58	RS804-2500-2C-ALTIN	24.30
1/4	1-1/8	3	1/4	RS804-2500-3C	30.34	RS804-2500-3C-ALTIN	34.06
1/4	1-1/2	4	1/4	RS804-2500-4C	36.65	RS804-2500-4C-ALTIN	41.59
5/16	1/2	2	5/16	RS804-3125-1C	23.86	RS804-3125-1C-ALTIN	28.31
5/16	13/16	2-1/2	5/16	RS804-3125-2C	25.45	RS804-3125-2C-ALTIN	30.40
5/16	1-1/8	3	5/16	RS804-3125-3C	37.49	RS804-3125-3C-ALTIN	42.44
5/16	1-5/8	4	5/16	RS804-3125-4C	45.29	RS804-3125-4C-ALTIN	51.55
3/8	5/8	2	3/8	RS804-3750-1C	31.50	RS804-3750-1C-ALTIN	35.97
3/8	7/8	2-1/2	3/8	RS804-3750-2C	33.62	RS804-3750-2C-ALTIN	38.57
3/8	1-1/8	3	3/8	RS804-3750-3C	49.51	RS804-3750-3C-ALTIN	54.47
3/8	1-3/4	4	3/8	RS804-3750-4C	60.14	RS804-3750-4C-ALTIN	66.37
1/2	5/8	2-1/2	1/2	RS804-5000-1C	50.13	RS804-5000-1C-ALTIN	58.50
1/2	1	3	1/2	RS804-5000-2C	53.52	RS804-5000-2C-ALTIN	61.88
1/2	2	4	1/2	RS804-5000-3C	79.13	RS804-5000-3C-ALTIN	88.47
1/2	3	6	1/2	RS804-5000-4C	99.53	RS804-5000-4C-ALTIN	111.67
5/8	3/4	3	5/8	RS804-6250-1C	79.97	RS804-6250-1C-ALTIN	88.74
5/8	1-1/4	3-1/2	5/8	RS804-6250-2C	85.15	RS804-6250-2C-ALTIN	96.06
5/8	2-1/4	5	5/8	RS804-6250-3C	126.87	RS804-6250-3C-ALTIN	140.58
5/8	3	6	5/8	RS804-6250-4C	152.03	RS804-6250-4C-ALTIN	165.26
3/4	1	3	3/4	RS804-7500-1C	108.98	RS804-7500-1C-ALTIN	119.59
3/4	1-1/2	4	3/4	RS804-7500-2C	120.27	RS804-7500-2C-ALTIN	134.12
3/4	2-1/4	5	3/4	RS804-7500-3C	173.10	RS804-7500-3C-ALTIN	188.36
3/4	3	6	3/4	RS804-7500-4C	207.45	RS804-7500-4C-ALTIN	223.37
1	1	3	1	RS804-1000-1C	201.74	RS804-1000-1C-ALTIN	214.39
1	1-1/2	4	1	RS804-1000-2C	218.70	RS804-1000-2C-ALTIN	236.71
1	2-1/4	5	1	RS804-1000-3C	311.61	RS804-1000-3C-ALTIN	332.31
1	3	6	1	RS804-1000-4C	373.68	RS804-1000-4C-ALTIN	396.13

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.003

Shank Dia.: +0.0000/-0.0005

4 Flute Fine Pitch Roughers

Series RS804-F

Four Flute, Single End, Roughing Mills

Center Cutting, Fine Pitch

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price ALTIN
3/8	5/8	2	3/8	RS804-3750-1F	31.50	RS804-3750-1F-ALTIN	35.97
3/8	7/8	2-1/2	3/8	RS804-3750-2F	33.62	RS804-3750-2F-ALTIN	38.57
3/8	1-1/8	3	3/8	RS804-3750-3F	49.51	RS804-3750-3F-ALTIN	54.47
3/8	1-3/4	4	3/8	RS804-3750-4F	60.14	RS804-3750-4F-ALTIN	66.37
1/2	5/8	2-1/2	1/2	RS804-5000-1F	50.13	RS804-5000-1F-ALTIN	58.50
1/2	1	3	1/2	RS804-5000-2F	53.52	RS804-5000-2F-ALTIN	61.88
1/2	2	4	1/2	RS804-5000-3F	79.13	RS804-5000-3F-ALTIN	88.47
1/2	3	6	1/2	RS804-5000-4F	99.53	RS804-5000-4F-ALTIN	111.67
5/8	3/4	3	5/8	RS804-6250-1F	79.97	RS804-6250-1F-ALTIN	88.74
5/8	1-1/4	3-1/2	5/8	RS804-6250-2F	85.15	RS804-6250-2F-ALTIN	96.06
5/8	2-1/4	5	5/8	RS804-6250-3F	126.87	RS804-6250-3F-ALTIN	140.58
5/8	3	6	5/8	RS804-6250-4F	152.03	RS804-6250-4F-ALTIN	165.26
3/4	1	3	3/4	RS804-7500-1F	108.98	RS804-7500-1F-ALTIN	119.59
3/4	1-1/2	4	3/4	RS804-7500-2F	120.27	RS804-7500-2F-ALTIN	134.12
3/4	2-1/4	5	3/4	RS804-7500-3F	173.10	RS804-7500-3F-ALTIN	188.36
3/4	3	6	3/4	RS804-7500-4F	207.45	RS804-7500-4F-ALTIN	223.37
1	1	3	1	RS804-1000-1F	201.74	RS804-1000-1F-ALTIN	214.39
1	1-1/2	4	1	RS804-1000-2F	218.70	RS804-1000-2F-ALTIN	236.71
1	2-1/4	5	1	RS804-1000-3F	311.61	RS804-1000-3F-ALTIN	332.31
1	3	6	1	RS804-1000-4F	373.68	RS804-1000-4F-ALTIN	396.13

Phone: 610-326-2866



Tolerances:

Cutting Dia.: +0.000/-0.003

Shank Dia.: +0.0000/-0.0005

Thread Mills - Standard Length

Series RSTM

Multi-Flute Thread Mills

Stocked With AlTiN Coating Only

Micro-Grain, Solid Carbide



Size	LOC	OAL	Shank Diameter	Min Diameter	EDP Number	Price AlTiN
8-32	1/4	2	1/8	0.115	RSTM125-32	94.17
10-24	5/16	2	3/16	0.120	RSTM140-24	94.22
10-32	5/16	2	3/16	0.120	RSTM140-32	94.22
1/4-20	1/2	2 1/2	3/16	0.180	RSTM190-20	106.59
1/4-28	1/2	2 1/2	3/16	0.180	RSTM190-28	106.59
5/16-18	5/8	2 1/2	1/4	0.240	RSTM245-18	125.98
5/16-24	5/8	2 1/2	1/4	0.240	RSTM245-24	125.98
3/8-16	3/4	3	5/16	0.290	RSTM300-16	150.11
3/8-24	3/4	3	5/16	0.290	RSTM300-24	150.11
7/16-14	7/8	3	3/8	0.340	RSTM350-14	161.95
7/16-20	7/8	3	3/8	0.340	RSTM350-20	161.95
1/2-13	7/8	3 1/2	3/8	0.350	RSTM400-13	161.87
1/2-20	7/8	3 1/2	3/8	0.350	RSTM400-20	161.87
9/16-12	7/8	3 1/2	1/2	0.370	RSTM450-12	161.87
9/16-18	7/8	3 1/2	1/2	0.370	RSTM450-18	161.87
5/8-11	1 1/4	3 1/2	1/2	0.470	RSTM490-11	202.41
5/8-18	1 1/4	3 1/2	1/2	0.470	RSTM490-18	202.41
3/4-10	1 1/4	3 1/2	1/2	0.495	RSTM620-10	202.41
3/4-16	1 1/4	3 1/2	1/2	0.495	RSTM620-16	202.41
7/8-9	1 1/4	3 1/2	5/8	0.620	RSTM745-9	253.23
7/8-14	1 1/4	3 1/2	5/8	0.620	RSTM745-14	253.23
1-8	1 3/8	4	3/4	0.620	RSTM745-8	253.32

More Styles and Sizes are available

Phone: 610-326-2866



Tolerances:

Shank Dia.: +0.0000/-0.0005

Solid Carbide Chamfer Tools

Series CH

Two & Four Flute, Single and Double
60, 82, 90, 100 & 120 Degree (Included Angle)

Micro-Grain, Solid Carbide



Angle	Flutes	OAL	Shank Diameter	EDP Number	Price	EDP Number	Price AlTiN
60 Deg	2	1-1/2	1/8	CH60.125-2FL D/E	20.13	CH60.125-2FL-ALTIN	23.97
	2	2	3/16	CH60.187-2FL D/E	27.64	CH60.187-2FL-ALTIN	33.04
	2	2-1/2	1/4	CH60.250-2FL D/E	35.56	CH60.250-2FL-ALTIN	42.12
	2	2-1/2	3/8	CH60.375-2FL D/E	55.32	CH60.375-2FL-ALTIN	65.88
	4	3	1/2	CH60.500-4FL D/E	91.50	CH60.500-4FL-ALTIN	109.11
82 Deg	2	1-1/2	1/8	CH82.125-2FL D/E	20.13	CH82.125-2FL-ALTIN	23.97
	2	2	3/16	CH82.187-2FL D/E	27.64	CH82.187-2FL-ALTIN	33.04
	2	2-1/2	1/4	CH82.250-2FL D/E	35.43	CH82.250-2FL-ALTIN	42.12
	2	2-1/2	3/8	CH82.375-2FL D/E	55.53	CH82.375-2FL-ALTIN	65.88
	4	3	1/2	CH82.500-4FL D/E	91.50	CH82.500-4FL-ALTIN	109.11
90 Deg	2	1-1/2	1/8	CH90.125-2FL D/E	20.13	CH90.125-2FL-ALTIN	23.97
	2	2	3/16	CH90.187-2FL D/E	27.64	CH90.187-2FL-ALTIN	33.04
	2	2-1/2	1/4	CH90.250-2FL D/E	35.56	CH90.250-2FL-ALTIN	42.12
	2	2-1/2	3/8	CH90.375-2FL D/E	55.53	CH90.375-2FL-ALTIN	65.88
	4	3	1/2	CH90.500-4FL D/E	91.50	CH90.500-4FL-ALTIN	109.11
100 Deg	2	1-1/2	1/8	CH100.125-2FL D/E	20.13	CH100.125-2FL-ALTIN	25.58
	2	2	3/16	CH100.187-2FL D/E	27.64	CH100.187-2FL-ALTIN	34.20
	2	2-1/2	1/4	CH100.250-2FL D/E	35.43	CH100.250-2FL-ALTIN	43.27
	2	2-1/2	3/8	CH100.375-2FL D/E	55.32	CH100.375-2FL-ALTIN	66.50
	4	3	1/2	CH100.500-4FL D/E	91.50	CH100.500-4FL-ALTIN	109.11
120 Deg	2	1-1/2	1/8	CH120.125-2FL D/E	20.13	CH120.125-2FL-ALTIN	23.97
	2	2	3/16	CH120.187-2FL D/E	27.64	CH120.187-2FL-ALTIN	33.04
	2	2-1/2	1/4	CH120.250-2FL D/E	35.43	CH120.250-2FL-ALTIN	42.12
	2	2-1/2	3/8	CH120.375-2FL D/E	55.32	CH120.375-2FL-ALTIN	65.88
	4	3	1/2	CH120.500-4FL D/E	91.50	CH120.500-4FL-ALTIN	109.11

Phone: 610-326-2866



Tolerances:
Shank Dia.: +0.0000/-0.0005

Carbide Reamers

Series TC

Micro-Grain, Solid Carbide



Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price
0.0400	TC87046	\$ 23.93	0.0750	TC87090	\$ 25.20	0.1070	TC87134	\$ 25.20	0.1406	TC87178	\$ 27.43
0.0410	TC87047	\$ 23.93	0.0760	TC87091	\$ 23.93	0.1080	TC87135	\$ 25.20	0.1410	TC87179	\$ 30.48
0.0420	TC87048	\$ 23.93	0.0770	TC87092	\$ 25.20	0.1090	TC87136	\$ 26.28	0.1420	TC87180	\$ 30.48
0.0430	TC87049	\$ 23.93	0.0780	TC87093	\$ 25.20	0.1094	TC87137	\$ 22.73	0.1430	TC87181	\$ 30.48
0.0440	TC87050	\$ 25.20	0.0781	TC87094	\$ 22.73	0.1100	TC87138	\$ 23.93	0.1440	TC87182	\$ 28.67
0.0450	TC87051	\$ 25.20	0.0785	TC87095	\$ 23.93	0.1110	TC87139	\$ 23.93	0.1450	TC87183	\$ 30.48
0.0460	TC87052	\$ 25.20	0.0787	TC87096	\$ 25.20	0.1120	TC87140	\$ 25.20	0.1460	TC87184	\$ 32.01
0.0465	TC87053	\$ 23.93	0.0790	TC87097	\$ 25.20	0.1130	TC87141	\$ 23.93	0.1470	TC87185	\$ 29.91
0.0469	TC87054	\$ 22.73	0.0800	TC87098	\$ 25.20	0.1140	TC87142	\$ 25.20	0.1480	TC87186	\$ 32.01
0.0470	TC87055	\$ 25.20	0.0810	TC87099	\$ 23.93	0.1150	TC87143	\$ 25.20	0.1490	TC87187	\$ 32.01
0.0480	TC87056	\$ 25.20	0.0820	TC87100	\$ 23.93	0.1160	TC87144	\$ 25.25	0.1495	TC87188	\$ 29.91
0.0490	TC87057	\$ 25.20	0.0830	TC87101	\$ 25.20	0.1170	TC87145	\$ 26.82	0.1500	TC87189	\$ 32.01
0.0500	TC87058	\$ 25.20	0.0840	TC87102	\$ 25.20	0.1180	TC87146	\$ 26.82	0.1510	TC87190	\$ 32.01
0.0510	TC87059	\$ 25.20	0.0850	TC87103	\$ 25.20	0.1181	TC87147	\$ 24.67	0.1520	TC87191	\$ 29.91
0.0520	TC87060	\$ 23.93	0.0860	TC87104	\$ 23.93	0.1190	TC87148	\$ 26.82	0.1530	TC87192	\$ 32.01
0.0530	TC87061	\$ 25.20	0.0870	TC87105	\$ 25.20	0.1200	TC87149	\$ 25.25	0.1540	TC87193	\$ 29.91
0.0540	TC87062	\$ 25.20	0.0880	TC87106	\$ 25.20	0.1210	TC87150	\$ 26.82	0.1545	TC87194	\$ 37.05
0.0550	TC87063	\$ 23.93	0.0890	TC87107	\$ 23.93	0.1220	TC87151	\$ 26.82	0.1550	TC87195	\$ 32.01
0.0560	TC87064	\$ 25.20	0.0900	TC87108	\$ 25.20	0.1230	TC87152	\$ 26.82	0.1555	TC87196	\$ 37.05
0.0570	TC87065	\$ 25.20	0.0910	TC87109	\$ 25.20	0.1235	TC87153	\$ 35.48	0.1560	TC87197	\$ 32.01
0.0580	TC87066	\$ 25.20	0.0915	TC87110	\$ 33.21	0.1240	TC87154	\$ 26.82	0.1562	TC87198	\$ 28.96
0.0590	TC87067	\$ 25.20	0.0920	TC87111	\$ 25.20	0.1245	TC87155	\$ 29.49	0.1565	TC87199	\$ 37.05
0.0591	TC87068	\$ 25.20	0.0925	TC87112	\$ 28.05	0.1250	TC87156	\$ 24.21	0.1570	TC87200	\$ 29.91
0.0595	TC87069	\$ 23.93	0.0930	TC87113	\$ 25.20	0.1255	TC87157	\$ 29.49	0.1575	TC87201	\$ 32.01
0.0600	TC87070	\$ 25.20	0.0935	TC87114	\$ 23.93	0.1260	TC87158	\$ 26.82	0.1580	TC87202	\$ 32.01
0.0605	TC87071	\$ 33.50	0.0938	TC87115	\$ 22.73	0.1265	TC87159	\$ 35.48	0.1590	TC87203	\$ 29.91
0.0610	TC87072	\$ 25.20	0.0940	TC87116	\$ 25.20	0.1270	TC87160	\$ 26.82	0.1600	TC87204	\$ 32.01
0.0615	TC87073	\$ 28.05	0.0945	TC87117	\$ 28.05	0.1275	TC87161	\$ 35.48	0.1610	TC87205	\$ 33.50
0.0620	TC87074	\$ 25.20	0.0950	TC87118	\$ 25.20	0.1280	TC87162	\$ 26.82	0.1620	TC87206	\$ 36.06
0.0625	TC87075	\$ 22.73	0.0960	TC87119	\$ 23.93	0.1285	TC87163	\$ 26.82	0.1630	TC87207	\$ 36.06
0.0630	TC87076	\$ 25.20	0.0970	TC87120	\$ 25.20	0.1290	TC87164	\$ 26.82	0.1640	TC87208	\$ 36.06
0.0635	TC87077	\$ 23.93	0.0980	TC87121	\$ 23.93	0.1300	TC87165	\$ 26.82	0.1650	TC87209	\$ 33.50
0.0640	TC87078	\$ 25.20	0.0984	TC87122	\$ 25.20	0.1310	TC87166	\$ 30.48	0.1660	TC87210	\$ 33.50
0.0645	TC87079	\$ 33.50	0.0990	TC87123	\$ 25.20	0.1320	TC87167	\$ 30.48	0.1670	TC87211	\$ 36.06
0.0650	TC87080	\$ 25.20	0.0995	TC87124	\$ 23.93	0.1330	TC87168	\$ 30.48	0.1680	TC87212	\$ 36.06
0.0660	TC87081	\$ 25.20	0.1000	TC87125	\$ 25.20	0.1340	TC87169	\$ 30.48	0.1690	TC87213	\$ 35.93
0.0670	TC87082	\$ 23.93	0.1010	TC87126	\$ 25.20	0.1350	TC87170	\$ 30.48	0.1695	TC87214	\$ 33.50
0.0680	TC87083	\$ 25.20	0.1015	TC87127	\$ 23.93	0.1360	TC87171	\$ 28.67	0.1700	TC87215	\$ 36.06
0.0690	TC87084	\$ 25.20	0.1020	TC87128	\$ 25.20	0.1370	TC87172	\$ 30.48	0.1710	TC87216	\$ 36.06
0.0700	TC87085	\$ 23.93	0.1030	TC87129	\$ 25.20	0.1378	TC87173	\$ 30.48	0.1719	TC87217	\$ 32.38
0.0710	TC87086	\$ 25.20	0.1040	TC87130	\$ 23.93	0.1380	TC87174	\$ 30.48	0.1720	TC87218	\$ 36.06
0.0720	TC87087	\$ 25.20	0.1050	TC87131	\$ 25.20	0.1390	TC87175	\$ 30.48	0.1730	TC87219	\$ 33.50
0.0730	TC87088	\$ 23.93	0.1060	TC87132	\$ 25.20	0.1400	TC87176	\$ 30.48	0.1740	TC87220	\$ 36.06
0.0740	TC87089	\$ 25.20	0.1065	TC87133	\$ 23.93	0.1405	TC87177	\$ 28.67	0.1750	TC87221	\$ 36.06

Available for Delivery from stock in 24-48 hours

Carbide Reamers

Series TC

Micro-Grain, Solid Carbide



Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price
0.1760	TC87222	\$ 36.06	0.2200	TC87277	\$ 43.60	0.2670	TC87332	\$ 58.20	0.3150	TC87387	\$ 58.20
0.1770	TC87223	\$ 33.50	0.2210	TC87278	\$ 40.76	0.2680	TC87333	\$ 58.20	0.3160	TC87388	\$ 64.72
0.1772	TC87224	\$ 37.41	0.2220	TC87279	\$ 43.60	0.2690	TC87334	\$ 58.20	0.3170	TC87389	\$ 64.72
0.1780	TC87225	\$ 36.06	0.2230	TC87280	\$ 43.60	0.2700	TC87335	\$ 58.20	0.3180	TC87390	\$ 64.72
0.1790	TC87226	\$ 36.06	0.2240	TC87281	\$ 43.60	0.2710	TC87336	\$ 57.92	0.3190	TC87391	\$ 64.72
0.1800	TC87227	\$ 33.50	0.2250	TC87282	\$ 43.60	0.2720	TC87337	\$ 58.20	0.3200	TC87392	\$ 64.72
0.1810	TC87228	\$ 36.06	0.2260	TC87283	\$ 47.81	0.2730	TC87338	\$ 57.92	0.3210	TC87393	\$ 64.72
0.1820	TC87229	\$ 33.50	0.2270	TC87284	\$ 47.81	0.2740	TC87339	\$ 58.20	0.3220	TC87394	\$ 64.72
0.1830	TC87230	\$ 36.06	0.2280	TC87285	\$ 44.80	0.2750	TC87340	\$ 58.20	0.3230	TC87395	\$ 64.72
0.1840	TC87231	\$ 36.06	0.2290	TC87286	\$ 44.64	0.2756	TC87341	\$ 63.48	0.3240	TC87396	\$ 64.72
0.1850	TC87232	\$ 33.50	0.2300	TC87287	\$ 47.81	0.2760	TC87342	\$ 58.20	0.3250	TC87397	\$ 64.72
0.1855	TC87233	\$ 43.11	0.2310	TC87288	\$ 47.81	0.2770	TC87343	\$ 58.20	0.3260	TC87398	\$ 64.72
0.1860	TC87234	\$ 36.06	0.2320	TC87289	\$ 47.81	0.2780	TC87344	\$ 58.20	0.3270	TC87399	\$ 64.72
0.1865	TC87235	\$ 38.82	0.2330	TC87290	\$ 47.81	0.2790	TC87345	\$ 58.20	0.3280	TC87400	\$ 64.72
0.1870	TC87236	\$ 36.06	0.2340	TC87291	\$ 47.81	0.2800	TC87346	\$ 58.20	0.3281	TC87401	\$ 65.38
0.1875	TC87237	\$ 32.38	0.2344	TC87292	\$ 42.99	0.2810	TC87347	\$ 58.20	0.3290	TC87402	\$ 64.72
0.1880	TC87238	\$ 36.06	0.2350	TC87293	\$ 47.81	0.2812	TC87348	\$ 52.35	0.3300	TC87403	\$ 64.72
0.1885	TC87239	\$ 38.82	0.2360	TC87294	\$ 47.81	0.2820	TC87349	\$ 58.20	0.3310	TC87404	\$ 64.72
0.1890	TC87240	\$ 33.50	0.2362	TC87295	\$ 45.79	0.2830	TC87350	\$ 58.20	0.3320	TC87405	\$ 64.72
0.1900	TC87241	\$ 36.06	0.2370	TC87296	\$ 47.81	0.2840	TC87351	\$ 58.20	0.3330	TC87406	\$ 64.72
0.1910	TC87242	\$ 40.76	0.2380	TC87297	\$ 47.81	0.2850	TC87352	\$ 58.20	0.3340	TC87407	\$ 64.72
0.1920	TC87243	\$ 43.60	0.2390	TC87298	\$ 47.81	0.2860	TC87353	\$ 58.20	0.3346	TC87408	\$ 64.72
0.1930	TC87244	\$ 43.60	0.2400	TC87299	\$ 47.81	0.2870	TC87354	\$ 58.20	0.3350	TC87409	\$ 64.72
0.1935	TC87245	\$ 40.76	0.2410	TC87300	\$ 47.81	0.2880	TC87355	\$ 57.92	0.3360	TC87410	\$ 64.72
0.1940	TC87246	\$ 43.60	0.2420	TC87301	\$ 47.81	0.2890	TC87356	\$ 57.92	0.3370	TC87411	\$ 64.72
0.1950	TC87247	\$ 43.60	0.2430	TC87302	\$ 47.81	0.2900	TC87357	\$ 58.20	0.3380	TC87412	\$ 64.72
0.1960	TC87248	\$ 40.76	0.2440	TC87303	\$ 47.81	0.2910	TC87358	\$ 57.92	0.3390	TC87413	\$ 65.46
0.1969	TC87249	\$ 43.60	0.2450	TC87304	\$ 47.81	0.2920	TC87359	\$ 57.92	0.3400	TC87414	\$ 64.72
0.1970	TC87250	\$ 43.60	0.2460	TC87305	\$ 47.81	0.2930	TC87360	\$ 58.20	0.3410	TC87415	\$ 64.72
0.1980	TC87251	\$ 43.60	0.2470	TC87306	\$ 47.81	0.2940	TC87361	\$ 58.20	0.3420	TC87416	\$ 64.72
0.1990	TC87252	\$ 40.76	0.2480	TC87307	\$ 47.81	0.2950	TC87362	\$ 57.92	0.3430	TC87417	\$ 64.72
0.2000	TC87253	\$ 43.60	0.2485	TC87308	\$ 53.71	0.2953	TC87363	\$ 63.24	0.3438	TC87418	\$ 65.76
0.2010	TC87254	\$ 40.76	0.2490	TC87309	\$ 47.81	0.2960	TC87364	\$ 57.92	0.3440	TC87419	\$ 64.72
0.2020	TC87255	\$ 43.60	0.2495	TC87310	\$ 50.78	0.2969	TC87365	\$ 58.20	0.3450	TC87420	\$ 64.72
0.2030	TC87256	\$ 43.60	0.2500	TC87311	\$ 42.99	0.2970	TC87366	\$ 57.92	0.3460	TC87421	\$ 64.72
0.2031	TC87257	\$ 39.31	0.2505	TC87312	\$ 50.78	0.2980	TC87367	\$ 58.20	0.3470	TC87422	\$ 64.72
0.2040	TC87258	\$ 40.76	0.2510	TC87313	\$ 47.81	0.2990	TC87368	\$ 57.92	0.3480	TC87423	\$ 64.72
0.2050	TC87259	\$ 43.60	0.2515	TC87314	\$ 59.77	0.3000	TC87369	\$ 58.20	0.3490	TC87424	\$ 64.72
0.2055	TC87260	\$ 40.76	0.2520	TC87315	\$ 47.81	0.3010	TC87370	\$ 58.20	0.3500	TC87425	\$ 64.72
0.2060	TC87261	\$ 43.60	0.2530	TC87316	\$ 47.81	0.3020	TC87371	\$ 58.20	0.3510	TC87426	\$ 70.62
0.2070	TC87262	\$ 43.60	0.2540	TC87317	\$ 47.81	0.3030	TC87372	\$ 57.92	0.3520	TC87427	\$ 70.62
0.2080	TC87263	\$ 43.60	0.2550	TC87318	\$ 47.81	0.3040	TC87373	\$ 57.92	0.3530	TC87428	\$ 70.62
0.2090	TC87264	\$ 40.76	0.2559	TC87319	\$ 50.61	0.3050	TC87374	\$ 58.20	0.3540	TC87429	\$ 70.62
0.2100	TC87265	\$ 43.60	0.2560	TC87320	\$ 58.20	0.3060	TC87375	\$ 57.92	0.3543	TC87430	\$ 74.04
0.2110	TC87266	\$ 43.60	0.2570	TC87321	\$ 58.20	0.3070	TC87376	\$ 58.20	0.3550	TC87431	\$ 70.62
0.2120	TC87267	\$ 43.60	0.2580	TC87322	\$ 58.20	0.3080	TC87377	\$ 57.92	0.3560	TC87432	\$ 70.62
0.2130	TC87268	\$ 40.76	0.2590	TC87323	\$ 58.20	0.3090	TC87378	\$ 57.92	0.3570	TC87433	\$ 70.62
0.2140	TC87269	\$ 43.60	0.2600	TC87324	\$ 58.20	0.3100	TC87379	\$ 58.20	0.3580	TC87434	\$ 70.62
0.2150	TC87270	\$ 43.60	0.2610	TC87325	\$ 58.20	0.3110	TC87380	\$ 58.20	0.3590	TC87435	\$ 72.19
0.2160	TC87271	\$ 43.60	0.2620	TC87326	\$ 58.20	0.3115	TC87381	\$ 66.45	0.3594	TC87436	\$ 70.00
0.2165	TC87272	\$ 46.16	0.2630	TC87327	\$ 58.20	0.3120	TC87382	\$ 58.20	0.3600	TC87437	\$ 70.62
0.2170	TC87273	\$ 43.60	0.2640	TC87328	\$ 58.20	0.3125	TC87383	\$ 58.20	0.3610	TC87438	\$ 70.62
0.2180	TC87274	\$ 43.60	0.2650	TC87329	\$ 58.20	0.3130	TC87384	\$ 58.20	0.3620	TC87439	\$ 70.62
0.2188	TC87275	\$ 39.31	0.2656	TC87330	\$ 52.35	0.3135	TC87385	\$ 66.45	0.3630	TC87440	\$ 70.62
0.2190	TC87276	\$ 43.60	0.2660	TC87331	\$ 58.20	0.3140	TC87386	\$ 58.20	0.3640	TC87441	\$ 70.62

Available for Delivery from stock in 24-48 hours

Carbide Reamers

Series TC



Micro-Grain, Solid Carbide

Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price	Size	EDP Number	Price
0.3650	TC87442	\$ 70.62	0.4134	TC87497	\$100.20	0.4610	TC87552	\$124.86			
0.3660	TC87443	\$ 70.62	0.4140	TC87498	\$109.93	0.4620	TC87553	\$124.86			
0.3670	TC87444	\$ 70.62	0.4150	TC87499	\$109.93	0.4630	TC87554	\$124.86			
0.3680	TC87445	\$ 70.62	0.4160	TC87500	\$109.93	0.4640	TC87555	\$124.86			
0.3690	TC87446	\$ 70.62	0.4170	TC87501	\$109.93	0.4650	TC87556	\$124.86			
0.3700	TC87447	\$ 70.62	0.4180	TC87502	\$109.93	0.4660	TC87557	\$124.86			
0.3710	TC87448	\$ 70.62	0.4190	TC87503	\$109.93	0.4670	TC87558	\$124.86			
0.3720	TC87449	\$ 70.62	0.4200	TC87504	\$109.93	0.4680	TC87559	\$125.40			
0.3730	TC87450	\$ 70.62	0.4210	TC87505	\$109.93	0.4688	TC87560	\$ 99.78			
0.3740	TC87451	\$ 70.62	0.4219	TC87506	\$ 91.04	0.4690	TC87561	\$131.55			
0.3745	TC87452	\$ 85.72	0.4220	TC87507	\$109.93	0.4700	TC87562	\$131.55			
0.3750	TC87453	\$ 70.00	0.4230	TC87508	\$109.93	0.4710	TC87563	\$131.55			
0.3755	TC87454	\$ 85.72	0.4240	TC87509	\$109.93	0.4720	TC87564	\$132.21			
0.3760	TC87455	\$ 89.10	0.4250	TC87510	\$109.93	0.4724	TC87565	\$126.72			
0.3765	TC87456	\$ 93.06	0.4260	TC87511	\$109.93	0.4730	TC87566	\$132.21			
0.3770	TC87457	\$ 89.10	0.4270	TC87512	\$109.93	0.4740	TC87567	\$131.55			
0.3780	TC87458	\$ 89.10	0.4280	TC87513	\$109.93	0.4750	TC87568	\$131.55			
0.3790	TC87459	\$ 88.69	0.4290	TC87514	\$109.93	0.4760	TC87569	\$132.21			
0.3800	TC87460	\$ 89.10	0.4300	TC87515	\$109.93	0.4770	TC87570	\$131.55			
0.3810	TC87461	\$ 88.69	0.4310	TC87516	\$109.93	0.4780	TC87571	\$131.55			
0.3820	TC87462	\$ 89.10	0.4320	TC87517	\$109.93	0.4790	TC87572	\$131.55			
0.3830	TC87463	\$ 88.69	0.4330	TC87518	\$109.93	0.4800	TC87573	\$131.55			
0.3840	TC87464	\$ 89.10	0.4331	TC87519	\$100.20	0.4810	TC87574	\$131.55			
0.3850	TC87465	\$ 88.69	0.4340	TC87520	\$109.93	0.4820	TC87575	\$131.55			
0.3860	TC87466	\$ 88.69	0.4350	TC87521	\$109.93	0.4830	TC87576	\$131.55			
0.3870	TC87467	\$109.93	0.4360	TC87522	\$109.93	0.4840	TC87577	\$131.55			
0.3880	TC87468	\$109.93	0.4365	TC87523	\$109.93	0.4844	TC87578	\$113.07			
0.3890	TC87469	\$109.93	0.4370	TC87524	\$109.93	0.4850	TC87579	\$131.55			
0.3900	TC87470	\$109.93	0.4375	TC87525	\$ 91.04	0.4860	TC87580	\$131.55			
0.3906	TC87471	\$109.93	0.4380	TC87526	\$109.93	0.4870	TC87581	\$158.61			
0.3910	TC87472	\$109.93	0.4385	TC87527	\$131.46	0.4880	TC87582	\$158.61			
0.3920	TC87473	\$109.93	0.4390	TC87528	\$109.93	0.4890	TC87583	\$158.61			
0.3930	TC87474	\$109.93	0.4400	TC87529	\$109.93	0.4900	TC87584	\$158.61			
0.3937	TC87475	\$ 83.78	0.4410	TC87530	\$125.40	0.4910	TC87585	\$158.61			
0.3940	TC87476	\$109.93	0.4420	TC87531	\$125.40	0.4920	TC87586	\$158.61			
0.3950	TC87477	\$109.93	0.4430	TC87532	\$125.40	0.4921	TC87587	\$158.61			
0.3960	TC87478	\$109.93	0.4440	TC87533	\$124.86	0.4930	TC87588	\$158.61			
0.3970	TC87479	\$109.93	0.4450	TC87534	\$125.40	0.4940	TC87589	\$158.61			
0.3980	TC87480	\$109.93	0.4460	TC87535	\$124.86	0.4950	TC87590	\$158.61			
0.3990	TC87481	\$109.93	0.4470	TC87536	\$124.86	0.4960	TC87591	\$158.61			
0.4000	TC87482	\$109.93	0.4480	TC87537	\$124.86	0.4970	TC87592	\$158.61			
0.4010	TC87483	\$109.93	0.4490	TC87538	\$124.86	0.4980	TC87593	\$158.61			
0.4020	TC87484	\$109.93	0.4500	TC87539	\$124.86	0.4990	TC87594	\$158.61			
0.4030	TC87485	\$109.93	0.4510	TC87540	\$124.86	0.4995	TC87595	\$158.61			
0.4040	TC87486	\$109.93	0.4520	TC87541	\$124.86	0.5000	TC87596	\$113.64			
0.4050	TC87487	\$109.93	0.4528	TC87542	\$124.86	0.5005	TC87597	\$158.61			
0.4060	TC87488	\$109.93	0.4530	TC87543	\$114.39	0.5010	TC87598	\$158.61			
0.4062	TC87489	\$ 80.28	0.4531	TC87544	\$ 99.78	0.5020	TC87599	\$158.61			
0.4070	TC87490	\$109.93	0.4540	TC87545	\$124.86						
0.4080	TC87491	\$109.93	0.4550	TC87546	\$124.86						
0.4090	TC87492	\$109.93	0.4560	TC87547	\$124.86						
0.4100	TC87493	\$109.93	0.4570	TC87548	\$124.86						
0.4110	TC87494	\$109.93	0.4580	TC87549	\$124.86						
0.4120	TC87495	\$109.93	0.4590	TC87550	\$124.86						
0.4130	TC87496	\$109.93	0.4600	TC87551	\$124.86						

Available for Delivery from stock in 24-48 hours

Speeds and Feeds

Solid Carbide Endmills



SFM		End Mill Diameter Chip Load per Tooth							
Speed	1/8	3/16	1/4	3/8	1/2	5/8	3/4	1	
Non Ferrous									
Aluminum Alloys	700-1800	0.0010	0.0020	0.0020	0.0030	0.0040	0.0050	0.0060	0.0070
Brass	300-450	0.0010	0.0010	0.0020	0.0025	0.0030	0.0040	0.0040	0.0050
Bronze	250-350	0.0010	0.0010	0.0020	0.0025	0.0030	0.0040	0.0040	0.0050
Copper / Copper Alloys	700-1500	0.0010	0.0020	0.0020	0.0030	0.0040	0.0050	0.0060	0.0070
Fiberglass	200-600	0.0010	0.0010	0.0020	0.0025	0.0030	0.0040	0.0040	0.0050
Graphites	200-400	0.0010	0.0030	0.0060	0.0080	0.0110	0.0130	0.0160	0.0180
Magnesium	900-1300	0.0010	0.0020	0.0020	0.0030	0.0040	0.0060	0.0080	0.0090
Stainless Steel									
Martensitic	200-400	0.0005	0.0010	0.0010	0.0015	0.0020	0.0030	0.0040	0.0060
Austenitic	150-300	0.0004	0.0005	0.0005	0.0010	0.0010	0.0020	0.0030	0.0050
High Temp Alloys									
Cobalt Based	60-100	0.0004	0.0005	0.0010	0.0010	0.0010	0.0010	0.0015	0.0020
Iron Based	80-130	0.0005	0.0005	0.0010	0.0015	0.0020	0.0025	0.0030	0.0040
Titanium Alloys	50-250	0.0005	0.0005	0.0005	0.0010	0.0010	0.0015	0.0020	0.0040
Steel									
High Strength	50-250	0.0005	0.0005	0.0010	0.0010	0.0010	0.0015	0.0020	0.0040
High Alloy Mold Die	100-300	0.0005	0.0005	0.0010	0.0010	0.0010	0.0015	0.0020	0.0040
Medium Alloy	150-350	0.0005	0.0005	0.0010	0.0020	0.0025	0.0035	0.0040	0.0050
Low Carbon	100-400	0.0005	0.0010	0.0015	0.0020	0.0030	0.0040	0.0050	0.0060
Cast Iron									
Ductile Iron	100-400	0.0005	0.0010	0.0015	0.0020	0.0020	0.0030	0.0040	0.0050
Cast Iron	100-400	0.0005	0.0010	0.0020	0.0030	0.0040	0.0050	0.0060	0.0080
Formulas									
(SFM x 3.82)/ Diameter = RPM									
Chip load per tooth x number of flutes x RPM = IPM									

All speed and feed recommendations should be considered only as a starting point.

Testing must be done to achieve the best results

Good machining practices should always be followed

Reduce SFM for extra long endmills

Using coated tooling will allow upto 40% faster SFM over the same uncoated tool

Corner Radius/Chamfer Quote Template

Available on std. RS series and specials.

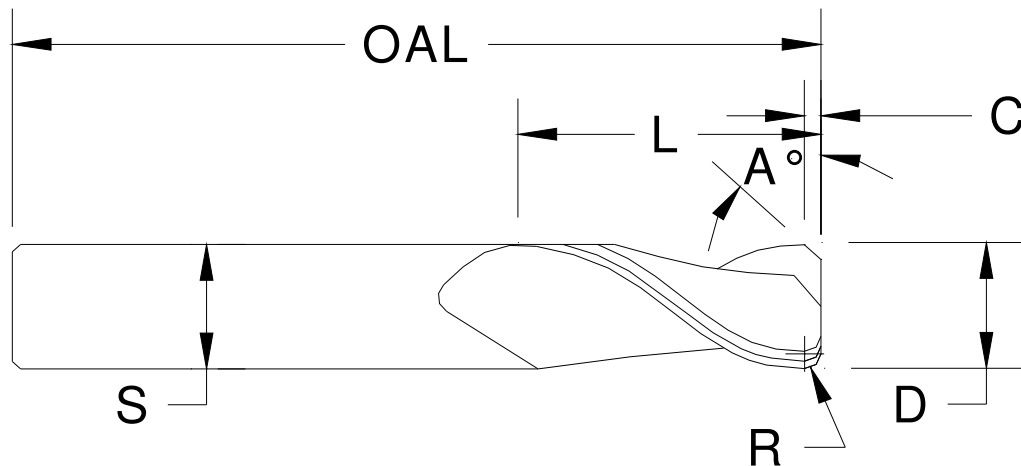
Center Cutting

Micro-Grain, Solid Carbide



Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____

"L": _____

"S": _____

"R": _____

"D": _____

"A": _____

OAL: _____

"C": _____

QTY: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Double Angle Shank Cutter Quote Template

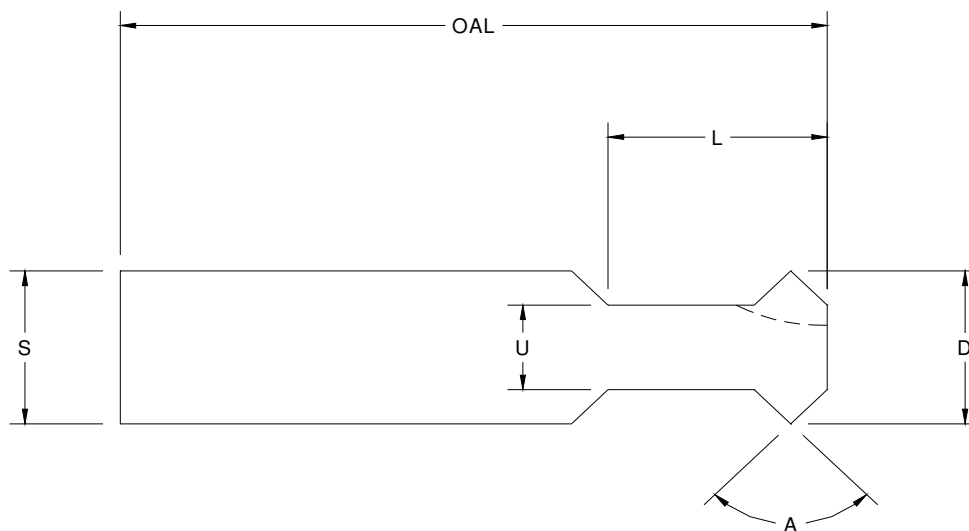


Produces the Cutting Edge for Industry

Micro-Grain, Solid Carbide

Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____

"L": _____

"S": _____

"U": _____

"D": _____

"A": _____

OAL: _____

QTY: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Corner Rounding Cutter Quote Template

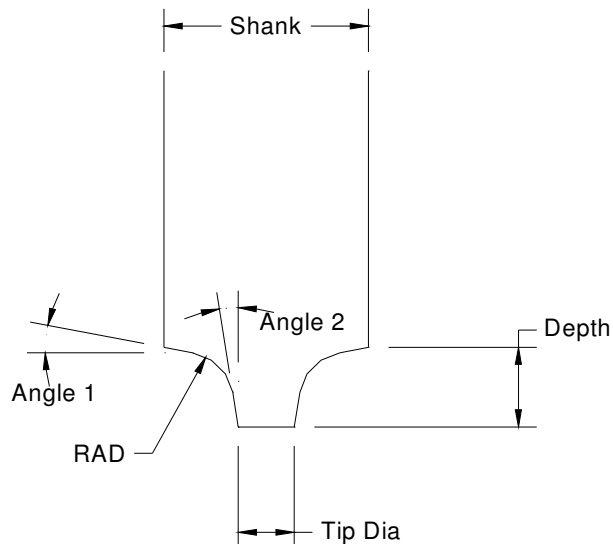


Produces the Cutting Edge for Industry

Micro-Grain, Solid Carbide

Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

Shank: _____

Angle 1: _____

Tip Dia: _____

Angle 2: _____

Depth: _____

RAD: _____

OAL: _____

QTY: _____

D/E or S/E: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Dovetail Cutter Quote Template

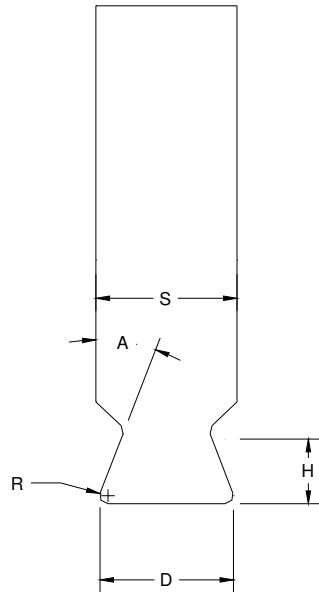
Center Cutting

Micro-Grain, Solid Carbide



Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____

"H": _____

"S": _____

"R": _____

"D": _____

"A": _____

OAL: _____

QTY: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



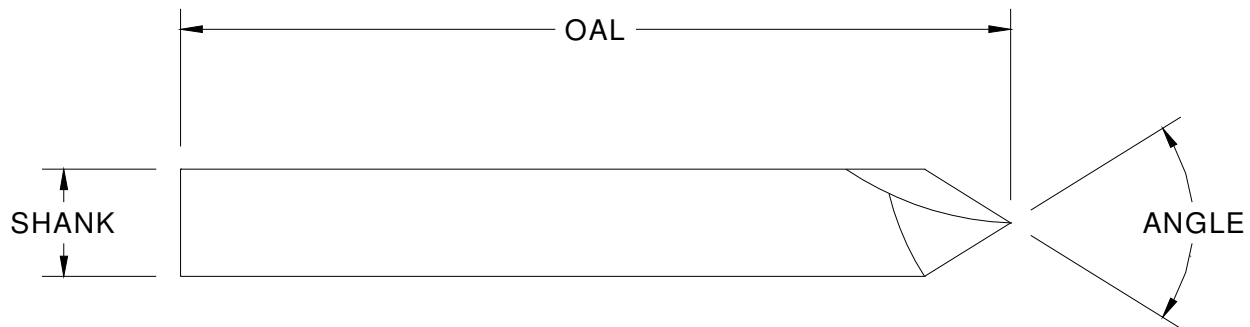
Chamfer Cutter Quote Template



Micro-Grain, Solid Carbide

Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____

Angle: _____

Shank: _____

QTY: _____

OAL: _____

Circle: D/E or S/E

Tip: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Taper End Mill Quote Template

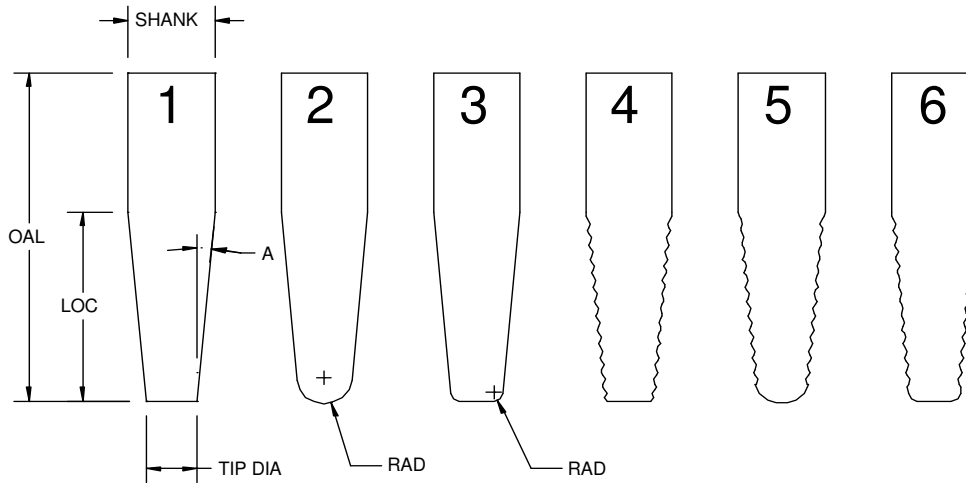


Produces the Cutting Edge for Industry

Micro-Grain, Solid Carbide

Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

Note: Sketches 4,5 & 6 are roughers.

No. Flutes: _____ LOC: _____

Shank: _____ Tip Dia: _____

RAD: _____ "A"(per side): _____

OAL: _____ QTY: _____

Style? (1 - 6): _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



"Lollipop" Cutter Quote Template

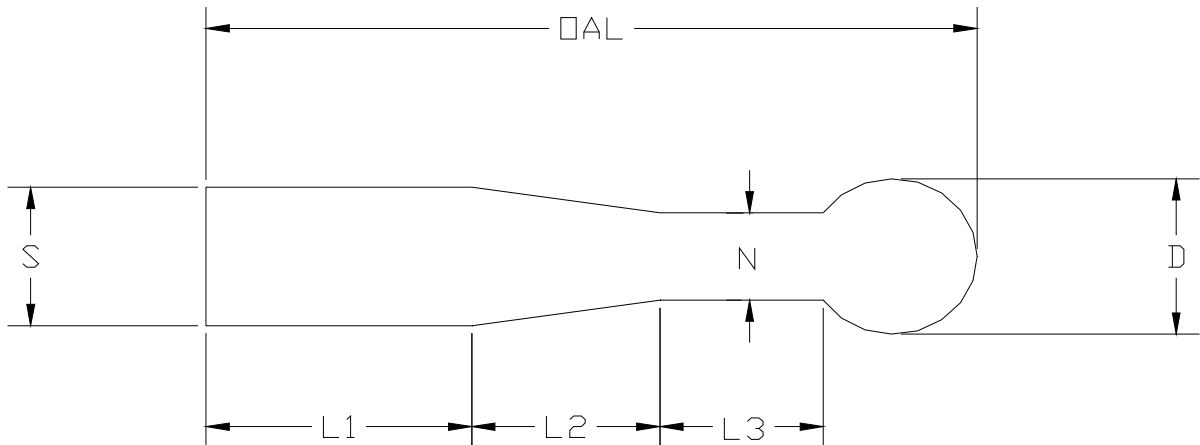
Center Cutting

Micro-Grain, Solid Carbide



Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____	"L1": _____
"S": _____	"L2": _____
"D": _____	"L3": _____
OAL: _____	"N": _____
	QTY: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Angle Point End Mill Quote Template

Available on std. RS series and specials.

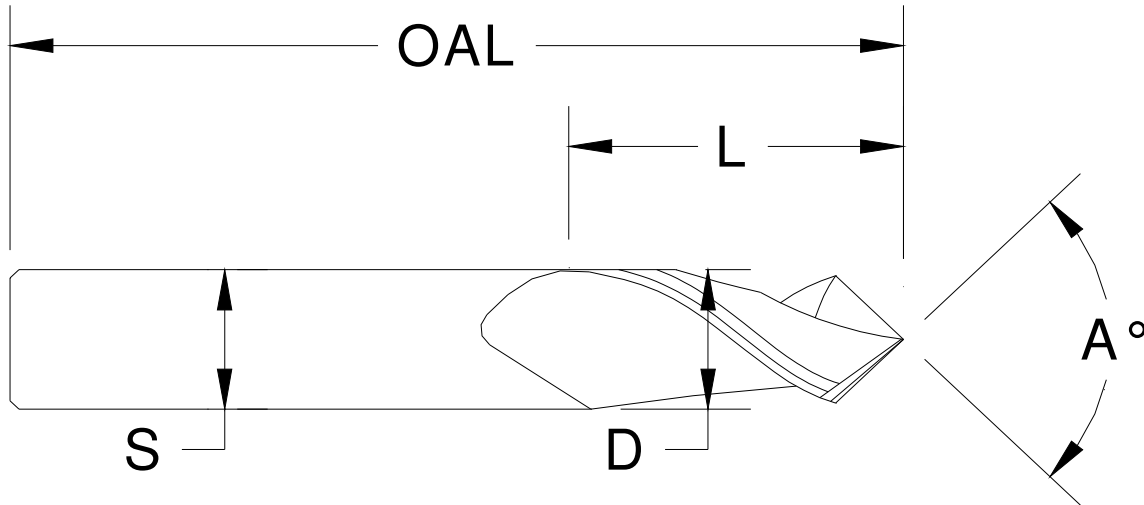
Center Cutting

Micro-Grain, Solid Carbide



Phone: 610-326-2866

Fax: 610-326-5627



Required Data: (Refer to sketch above)

No. Flutes: _____

"L": _____

"S": _____

"A": _____

"D": _____

QTY: _____

OAL: _____

Price Ea.: _____

Delivery: _____

P.O. #: _____

Co.Name: _____

Address: _____

Phone/Fax: _____ / _____

Tolerances:

(Unless otherwise requested)

Cutting Dia.: +0.000/-0.002

Shank Dia.: +0.0000/-0.0005



Step Drill Quote Template



Produces the Cutting Edge for Industry

Phone: 610-326-2866

Fax: 610-326-5627

Please Specify

HSS ☐

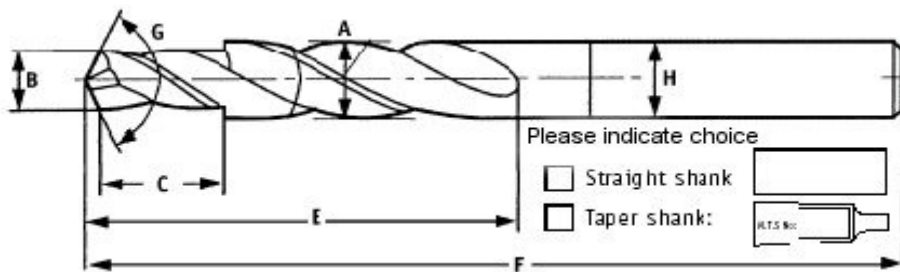
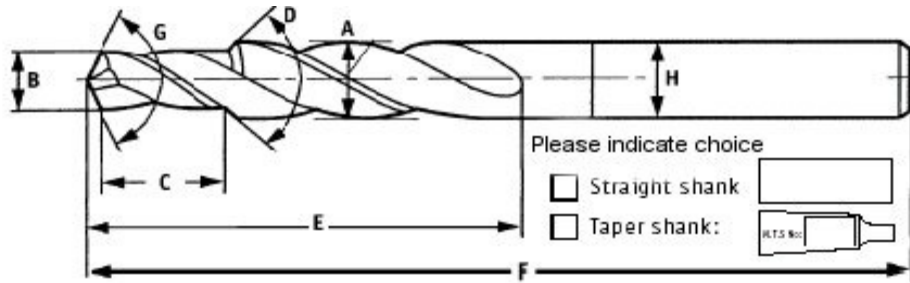
M42 ☐

Carbide ☐

Thru Coolant

Yes ☐

No ☐



"A" Large Dia. _____

"B" Small Dia. _____

"C" Step Length _____

"D" Step Angle _____

"E" Flute Length _____

"F" Overall Length _____

"G" Point Angle _____

"H" Shank Dia. _____

Razor Sharp Grinding can manufacture your standard coolant hole drills in both Inch and Metric sizes.

Does pilot cut? _____

Material to be cut? _____



Terms & Conditions

Net 30 Days

\$25.00 Minimum Order

F.O.B., Pottstown, PA

Prices Subject to change without notice.



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1702 New Schuylkill Road

Pottstown, PA 19465

Phone: 610-326-2866

Fax: 610-326-5627

<http://www.razorsharpgrinding.com>

Ordering Information: All tools should be ordered by **EDP Number**, please include quantity of each; tool description is optional.

Availability: All tools listed in this catalog are stocked; tools temporarily out of stock will ship within one week.

Pricing: Prices shown are effective March 1, 2020. Any sales or any other applicable taxes on these products will be added to the purchase price and will be paid by the distributor. Specials will be quoted and quoted price shall be valid for a period of 30 days; any applicable taxes will be in addition to the quoted price.

Returned Items: Current catalog items are returnable subject to a 10% restocking charge; credit **will not** be issued for tools that have been modified, altered, coated, marked, or have in any other way been rendered "used". Returned Goods Authorization **must** be obtained from **Razor Sharp Grinding** management **Prior** to returning any goods for credit.

Specials Policy: Specials (including altered standard tooling) are not returnable for credit, and canceled special orders (including altered standard tooling) will be charged a cancellation fee proportionate to the cost incurred on the order at the time of cancellation.

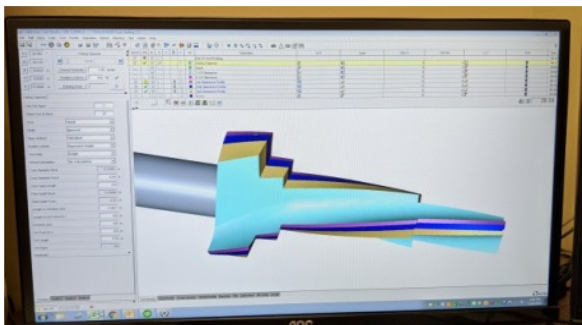
Product Warranty: **Razor Sharp Grinding** warrants any product manufactured by them to be free from defects in materials and craftsmanship, and will conform to the specifications listed in our catalog. **Razor Sharp Grinding** will repair, replace or issue credit for any product that does not conform with this warranty. The **Razor Sharp Grinding** warranty does not apply to any product which has been altered, modified, machined, misused, damaged or used beyond its normal life. No other warranties, implied or expressed, are made by **Razor Sharp Grinding**, except as already stated; no other person is authorized to alter this product warranty in any way.

Claims: Any claims for lost, damaged, or product shortages **must** be made within 10 days of invoice date.





STUDER Favorit CNC



RAZOR - SHARP GRINDING

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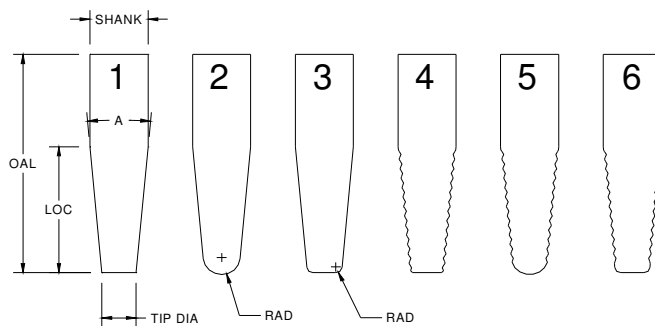
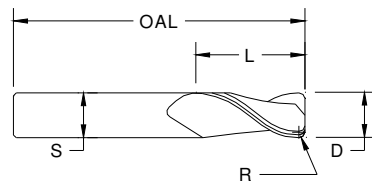
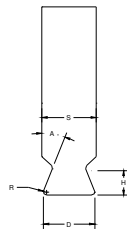
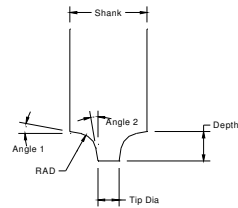
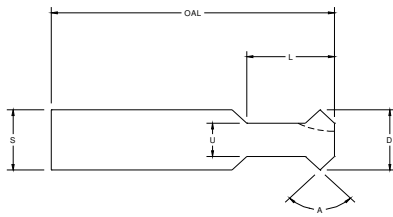
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**MADE IN
AMERICA**