

4-Flute Typhoon End Mills

4-Flute Corner Radius — Typhoon

Typhoon end mills with corner radius provides greater strength and minimizes chipping on the corners in demanding applications.



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Cutting Dia. (in.)	Corner Radius (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch						
1/8	0.015	1/8	1/2	1-1/2	102652	14.80
1/8	0.030	1/8	1/2	1-1/2	102656	14.12
3/16	0.020	3/16	5/8	2	102660	18.62
1/4	0.020	1/4	3/4	2-1/2	102666	25.39
1/4	0.030	1/4	3/4	2-1/2	102668	25.39
5/16	0.020	5/16	13/16	2-1/2	102670	34.42
5/16	0.030	5/16	13/16	2-1/2	102672	34.42
3/8	0.020	3/8	1	2-1/2	102678	40.19
3/8	0.030	3/8	1	2-1/2	102680	40.19
1/2	0.020	1/2	1	3	102686	68.56
1/2	0.030	1/2	1	3	102688	68.56
1/2	0.060	1/2	1	3	102690	68.56

4-Flute Spherical Ball End — Typhoon

- High performance ball nose plus end mills are used in the mold industry and have a full 220 degree arc cutting capability
- Modified AlTiN coated for improved tool life and increased production output
- Made from premium sub-micron grain carbide



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Regular Length					
1/8	1/8	3/32	1-1/2	153130	27.63
3/16	3/16	9/64	2	153132	37.50
1/4	1/4	3/16	2-1/2	153134	52.24
3/8	3/8	9/32	2-1/2	153136	59.89
1/2	1/2	3/8	3	153138	123.52
Long Length					
1/8	1/8	3/32	3	153140	32.77
3/16	3/16	9/64	3	153142	33.29
1/4	1/4	3/16	4	153144	60.20
3/8	3/8	9/32	4	153146	67.46
1/2	1/2	3/8	6	153148	178.68

4-Flute Ball Nose Long Length — Typhoon

Typhoon ball nose end mills are designed for long reach contour milling applications in hardened materials.



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/8	1/8	3/4	2-1/4	104833	19.46
3/16	3/16	3/4	2-1/4	104835	18.62
1/4	1/4	1-1/8	3	104837	37.63
5/16	5/16	1-1/8	3	104839	47.98
3/8	3/8	1-1/8	3	104841	52.89
1/2	1/2	2	4	104843	81.01
5/8	5/8	2-1/4	5	104845	163.30
3/4	3/4	2-1/4	5	104847	257.87
1	1	2-1/4	5	104849	313.10

4-Flute Ball Nose Regular Length — Typhoon

Typhoon ball nose end mills are designed for contour milling applications in hardened materials.



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/16	1/8	3/16	1-1/2	104752	14.00
3/32	1/8	5/16	1-1/2	104751	13.36
1/8	1/8	1/2	1-1/2	104750	14.80
5/32	3/16	9/16	2	104753	19.46
3/16	3/16	5/8	2	104754	18.62
7/32	1/4	5/8	2-1/2	104755	25.01
1/4	1/4	3/4	2-1/2	104758	25.39
9/32	5/16	3/4	2-1/2	104757	32.78
5/16	5/16	13/16	2-1/2	104762	34.42
3/8	3/8	1	2-1/2	104766	40.19
7/16	7/16	1	2-3/4	104768	46.28
1/2	1/2	1	3	104770	68.56
9/16	9/16	1-1/8	3-1/2	104772	99.69
5/8	5/8	1-1/4	3-1/2	104774	109.14
11/16	3/4	1-3/8	4	104780	174.84
3/4	3/4	1-1/2	4	104778	156.51
7/8	7/8	1-1/2	4	104781	254.48
1	1	1-1/2	4	104782	267.20
Metric					
1	3	3	39	101870	16.84
1.5	3	5	39	101871	16.84
2	3	7	39	101872	15.86
2.5	3	8	39	101873	15.28
3	3	10	39	101874	14.12
3.5	4	12	51	101875	19.46
4	4	14	51	101876	23.92
4.5	5	14	51	101877	25.97
5	5	16	51	101878	25.97
6	6	19	64	101879	25.14
7	8	19	64	101880	32.78
8	8	21	64	101881	34.00
9	10	22	70	101882	38.28
10	10	25	70	101883	46.21
11	12	25	70	101884	46.28
12	12	25	76	101885	68.05
14	14	30	89	101886	99.01
16	16	32	89	101887	108.46
18	18	35	102	101888	155.71
20	20	38	102	101889	210.96
22	22	38	102	101890	241.78
25	25	38	102	101891	241.78

Multi-Flute Regular Length — Typhoon

Multi-Flute Typhoon end mill design allow them to be run at higher rpm than conventional end mills as well as increase tool life without chipping.



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	No. of Flutes	Code No.	Price \$
Inch						
1/8	1/8	1/2	1-1/2	4	101050	12.56
3/16	3/16	5/8	2	4	101052	15.83
1/4	1/4	3/4	2-1/2	6	101054	21.36
5/16	5/16	13/16	2-1/2	6	101056	30.44
3/8	3/8	1	2-1/2	6	101058	35.92
7/16	7/16	1	2-3/4	6	101060	43.20
1/2	1/2	1	3	6	101062	53.73
9/16	9/16	1-1/8	3-1/2	6	101064	89.34
5/8	5/8	1-1/4	3-1/2	6	101066	99.14
3/4	3/4	1-1/2	4	6	101068	141.52
7/8	7/8	1-1/2	4	6	101070	211.41
1	1	1-1/2	4	8	101072	211.41