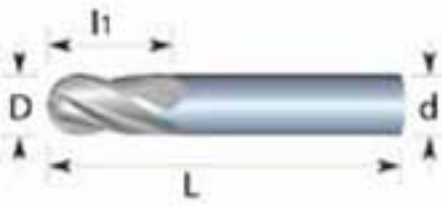


P	●	Steel
M	○	Stainless Steel
K	●	Cast Iron
N	○	Non-Ferrous
S	●	High Temp. Alloys
H	●	Hardened Steel

● GOOD ○ OK ○ NOT OPTIMAL

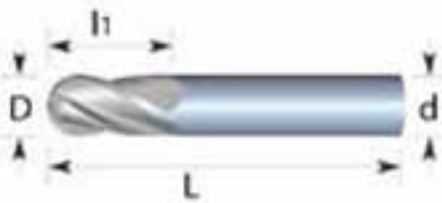
- General Purpose
- 30 deg Helix Carbide with honed edges
- 10% Micro Grain Carbide
- Diameter Tolerances: +0.0000"/-0.0020"

GENERAL PURPOSE



Ball Nose, Standard Carbide, Stub Length, Single End

Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1/32	1/8	1/16	1-1/2	013-031-2	013-031-3	013-031-4	\$9.41	015-031-2	015-031-3	015-031-4	\$11.25
3/64	1/8	3/32	1-1/2	013-046-2	013-046-3	013-046-4	\$9.41	015-046-2	015-046-3	015-046-4	\$11.25
1/16	1/8	1/8	1-1/2	013-062-2	013-062-3	013-062-4	\$8.35	015-062-2	015-062-3	015-062-4	\$10.22
3/32	1/8	3/16	1-1/2	013-093-2	013-093-3	013-093-4	\$8.35	015-093-2	015-093-3	015-093-4	\$10.22
1/8	1/8	1/4	1-1/2	013-125-2	013-125-3	013-125-4	\$6.68	015-125-2	015-125-3	015-125-4	\$8.55
5/32	3/16	5/16	2	013-156-2	013-156-3	013-156-4	\$11.08	015-156-2	015-156-3	015-156-4	\$13.78
3/16	3/16	3/8	2	013-187-2	013-187-3	013-187-4	\$11.08	015-187-2	015-187-3	015-187-4	\$13.78
7/32	1/4	7/16	2	013-218-2	013-218-3	013-218-4	\$13.58	015-218-2	015-218-3	015-218-4	\$18.44
1/4	1/4	1/2	2	013-250-2	013-250-3	013-250-4	\$12.75	015-250-2	015-250-3	015-250-4	\$17.60
5/16	5/16	1/2	2	013-312-2	013-312-3	013-312-4	\$16.28	015-312-2	015-312-3	015-312-4	\$23.14
3/8	3/8	5/8	2	013-375-2	013-375-3	013-375-4	\$19.84	015-375-2	015-375-3	015-375-4	\$26.68
7/16	7/16	5/8	2-1/2	013-437-2	013-437-3	013-437-4	\$30.28	015-437-2	015-437-3	015-437-4	\$40.06
1/2	1/2	5/8	2-1/2	013-500-2	013-500-3	013-500-4	\$33.40	015-500-2	015-500-3	015-500-4	\$43.31
5/8	5/8	3/4	3	013-625-2	013-625-3	013-625-4	\$63.68	015-625-2	015-625-3	015-625-4	\$78.95
3/4	3/4	1	3	013-750-2	013-750-3	013-750-4	\$87.68	015-750-2	015-750-3	015-750-4	\$105.13
1	1	1	3	013-100-2	013-100-3	013-100-4	\$168.87	015-100-2	015-100-3	015-100-4	\$203.81



Ball Nose, Standard Carbide, Regular Length, Single End

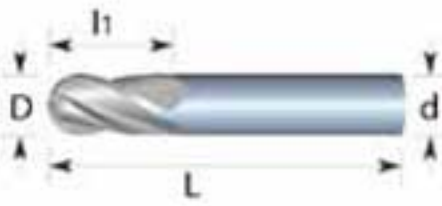
Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1/64	1/8	1/16	1-1/2	016-015-2	016-015-3	016-015-4	\$13.42	018-015-2	018-015-3	018-015-4	\$13.07
1/32	1/8	3/32	1-1/2	016-031-2	016-031-3	016-031-4	\$9.89	018-031-2	018-031-3	018-031-4	\$11.84
3/64	1/8	1/8	1-1/2	016-046-2	016-046-3	016-046-4	\$9.89	018-046-2	018-046-3	018-046-4	\$11.84
1/16	1/8	3/16	1-1/2	016-062-2	016-062-3	016-062-4	\$8.79	018-062-2	018-062-3	018-062-4	\$10.75
5/64	1/8	1/4	1-1/2	016-078-2	016-078-3	016-078-4	\$8.79	018-078-2	018-078-3	018-078-4	\$10.02
3/32	1/8	3/8	1-1/2	016-093-2	016-093-3	016-093-4	\$8.79	018-093-2	018-093-3	018-093-4	\$10.75
7/64	1/8	3/8	1-1/2	016-109-2	016-109-3	016-109-4	\$8.79	018-109-2	018-109-3	018-109-4	\$9.23
1/8	1/8	1/2	1-1/2	016-125-2	016-125-3	016-125-4	\$7.03	018-125-2	018-125-3	018-125-4	\$8.99
9/64	3/16	9/16	2	016-140-2	016-140-3	016-140-4	\$12.09	018-140-2	018-140-3	018-140-4	\$15.91
5/32	3/16	9/16	2	016-156-2	016-156-3	016-156-4	\$11.65	018-156-2	018-156-3	018-156-4	\$14.50
11/64	3/16	9/16	2	016-171-2	016-171-3	016-171-4	\$12.09	018-171-2	018-171-3	018-171-4	\$15.58
3/16	3/16	5/8	2	016-187-2	016-187-3	016-187-4	\$11.65	018-187-2	018-187-3	018-187-4	\$14.50
13/64	1/4	5/8	2-1/2	016-203-2	016-203-3	016-203-4	\$15.27	018-203-2	018-203-3	018-203-4	\$20.79
7/32	1/4	5/8	2-1/2	016-218-2	016-218-3	016-218-4	\$14.28	018-218-2	018-218-3	018-218-4	\$19.40
15/64	1/4	3/4	2-1/2	016-234-2	016-234-3	016-234-4	\$15.27	018-234-2	018-234-3	018-234-4	\$20.17
1/4	1/4	3/4	2-1/2	016-250-2	016-250-3	016-250-4	\$13.40	018-250-2	018-250-3	018-250-4	\$18.52

P	●	Steel
M	◐	Stainless Steel
K	●	Cast Iron
N	○	Non-Ferrous
S	●	High Temp. Alloys
H	●	Hardened Steel

● GOOD ◐ OK ○ NOT OPTIMAL

- General Purpose
- 30 deg Helix Carbide with honed edges
- 10% Micro Grain Carbide
- Diameter Tolerances: +0.0000"/-0.0020"

GENERAL PURPOSE



Ball Nose, Standard Carbide, Regular Length, Single End

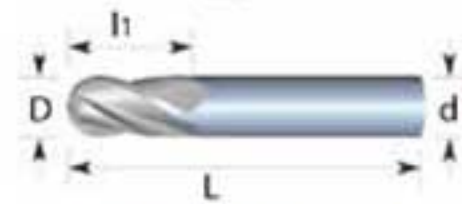
Cutter Diam. D	Shank Diam. d	Length Of Cut h	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
17/64	5/16	7/8	2-1/2	016-265-2	016-265-3	016-265-4	\$20.00	018-265-2	018-265-3	018-265-4	\$26.22
9/32	5/16	7/8	2-1/2	016-281-2	016-281-3	016-281-4	\$18.68	018-281-2	018-281-3	018-281-4	\$24.79
19/64	5/16	7/8	2-1/2	016-296-2	016-296-3	016-296-4	\$20.00	018-296-2	018-296-3	018-296-4	\$25.29
5/16	5/16	7/8	2-1/2	016-312-2	016-312-3	016-312-4	\$17.14	018-312-2	018-312-3	018-312-4	\$24.35
21/64	3/8	7/8	2-1/2	016-328-2	016-328-3	016-328-4	\$22.52	018-328-2	018-328-3	018-328-4	\$30.72
11/32	3/8	7/8	2-1/2	016-343-2	016-343-3	016-343-4	\$20.88	018-343-2	018-343-3	018-343-4	\$28.08
23/64	3/8	7/8	2-1/2	016-359-2	016-359-3	016-359-4	\$22.52	018-359-2	018-359-3	018-359-4	\$28.76
3/8	3/8	1	2-1/2	016-375-2	016-375-3	016-375-4	\$20.88	018-375-2	018-375-3	018-375-4	\$28.08
25/64	7/16	1	2-1/2	016-390-2	016-390-3	016-390-4	\$34.72	018-390-2	018-390-3	018-390-4	\$45.55
13/32	7/16	1	2-1/2	016-406-2	016-406-3	016-406-4	\$34.06	018-406-2	018-406-3	018-406-4	\$43.60
27/64	7/16	1	2-1/2	016-421-2	016-421-3	016-421-4	\$33.84	018-421-2	018-421-3	018-421-4	\$42.59
7/16	7/16	1	2-1/2	016-437-2	016-437-3	016-437-4	\$32.96	018-437-2	018-437-3	018-437-4	\$43.27
29/64	1/2	1	3	016-453-2	016-453-3	016-453-4	\$37.58	018-453-2	018-453-3	018-453-4	\$50.54
15/32	1/2	1	3	016-468-2	016-468-3	016-468-4	\$37.25	018-468-2	018-468-3	018-468-4	\$48.34
31/64	1/2	1	3	016-484-2	016-484-3	016-484-4	\$36.92	018-484-2	018-484-3	018-484-4	\$47.24
1/2	1/2	1	3	016-500-2	016-500-3	016-500-4	\$35.16	018-500-2	018-500-3	018-500-4	\$45.47
33/64	9/16	1-1/4	3-1/2	016-515-2	016-515-3	016-515-4	\$81.31	018-515-2	018-515-3	018-515-4	\$101.54
17/32	9/16	1-1/4	3-1/2	016-531-2	016-531-3	016-531-4	\$76.91	018-531-2	018-531-3	018-531-4	\$100.14
35/64	9/16	1-1/4	3-1/2	016-546-2	016-546-3	016-546-4	\$74.71	018-546-2	018-546-3	018-546-4	\$96.27
9/16	9/16	1-1/4	3-1/2	016-562-2	016-562-3	016-562-4	\$67.02	018-562-2	018-562-3	018-562-4	\$83.11
37/64	5/8	1-1/4	3-1/2	016-578-2	016-578-3	016-578-4	\$82.40	018-578-2	018-578-3	018-578-4	\$95.43
19/32	5/8	1-1/4	3-1/2	016-593-2	016-593-3	016-593-4	\$78.01	018-593-2	018-593-3	018-593-4	\$94.69
39/64	5/8	1-1/4	3-1/2	016-609-2	016-609-3	016-609-4	\$75.81	018-609-2	018-609-3	018-609-4	\$94.12
5/8	5/8	1-1/4	3-1/2	016-625-2	016-625-3	016-625-4	\$67.02	018-625-2	018-625-3	018-625-4	\$83.11
41/64	3/4	1-1/2	4	016-640-2	016-640-3	016-640-4	\$113.17	018-640-2	018-640-3	018-640-4	\$126.64
21/32	3/4	1-1/2	4	016-656-2	016-656-3	016-656-4	\$113.17	018-656-2	018-656-3	018-656-4	\$124.97
43/64	3/4	1-1/2	4	016-671-2	016-671-3	016-671-4	\$112.07	018-671-2	018-671-3	018-671-4	\$123.28
11/16	3/4	1-1/2	4	016-687-2	016-687-3	016-687-4	\$105.48	018-687-2	018-687-3	018-687-4	\$122.07
45/64	3/4	1-1/2	4	016-703-2	016-703-3	016-703-4	\$103.28	018-703-2	018-703-3	018-703-4	\$123.80
23/32	3/4	1-1/2	4	016-718-2	016-718-3	016-718-4	\$103.28	018-718-2	018-718-3	018-718-4	\$123.34
47/64	3/4	1-1/2	4	016-734-2	016-734-3	016-734-4	\$103.28	018-734-2	018-734-3	018-734-4	\$122.75
3/4	3/4	1-1/2	4	016-750-2	016-750-3	016-750-4	\$92.29	018-750-2	018-750-3	018-750-4	\$110.66
49/64	7/8	1-1/2	4	016-765-2	016-765-3	016-765-4	\$204.25	018-765-2	018-765-3	018-765-4	\$237.87
25/32	7/8	1-1/2	4	016-781-2	016-781-3	016-781-4	\$204.25	018-781-2	018-781-3	018-781-4	\$237.37
51/64	7/8	1-1/2	4	016-796-2	016-796-3	016-796-4	\$204.25	018-796-2	018-796-3	018-796-4	\$236.88
13/16	7/8	1-1/2	4	016-812-2	016-812-3	016-812-4	\$204.25	018-812-2	018-812-3	018-812-4	\$234.47
53/64	7/8	1-1/2	4	016-828-2	016-828-3	016-828-4	\$198.43	018-828-2	018-828-3	018-828-4	\$235.57
27/32	7/8	1-1/2	4	016-843-2	016-843-3	016-843-4	\$198.43	018-843-2	018-843-3	018-843-4	\$235.08
55/64	7/8	1-1/2	4	016-859-2	016-859-3	016-859-4	\$198.43	018-859-2	018-859-3	018-859-4	\$234.47
7/8	7/8	1-1/2	4	016-875-2	016-875-3	016-875-4	\$180.19	018-875-2	018-875-3	018-875-4	\$212.34
57/64	1	1-1/2	4	016-890-2	016-890-3	016-890-4	\$208.43	018-890-2	018-890-3	018-890-4	\$248.97
29/32	1	1-1/2	4	016-906-2	016-906-3	016-906-4	\$208.43	018-906-2	018-906-3	018-906-4	\$246.00
59/64	1	1-1/2	4	016-921-2	016-921-3	016-921-4	\$208.43	018-921-2	018-921-3	018-921-4	\$241.72
15/16	1	1-1/2	4	016-937-2	016-937-3	016-937-4	\$200.52	018-937-2	018-937-3	018-937-4	\$236.88
61/64	1	1-1/2	4	016-953-2	016-953-3	016-953-4	\$200.52	018-953-2	018-953-3	018-953-4	\$238.11
31/32	1	1-1/2	4	016-968-2	016-968-3	016-968-4	\$200.52	018-968-2	018-968-3	018-968-4	\$237.43
63/64	1	1-1/2	4	016-984-2	016-984-3	016-984-4	\$200.52	018-984-2	018-984-3	018-984-4	\$236.88
1	1	1-1/2	4	016-100-2	016-100-3	016-100-4	\$182.39	018-100-2	018-100-3	018-100-4	\$214.54

P	●	Steel
M	○	Stainless Steel
K	●	Cast Iron
N	○	Non-Ferrous
S	○	High Temp. Alloys
H	○	Hardened Steel

● GOOD ○ OK ○ NOT OPTIMAL

- General Purpose
- 30 deg Helix Carbide with honed edges
- 10% Micro Grain Carbide
- Diameter Tolerances: +0.0000"/-0.0020"

GENERAL PURPOSE



Ball Nose, Standard Carbide, Long Length, Single End

Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1/8	1/8	3/4	2-1/2	019-125-2	--	019-125-4	\$14.94	021-125-2	--	021-125-4	\$17.60
3/16	3/16	3/4	2-1/2	019-187-2	--	019-187-4	\$17.84	021-187-2	--	021-187-4	\$21.36
1/4	1/4	1-1/8	3	019-250-2	--	019-250-4	\$23.14	021-250-2	--	021-250-4	\$27.86
5/16	5/16	1-1/8	3	019-312-2	--	019-312-4	\$28.02	021-312-2	--	021-312-4	\$35.12
3/8	3/8	1-1/8	3	019-375-2	--	019-375-4	\$36.26	021-375-2	--	021-375-4	\$43.47
7/16	7/16	2	4	019-437-2	--	019-437-4	\$52.93	021-437-2	--	021-437-4	\$61.90
1/2	1/2	2	4	019-500-2	--	019-500-4	\$57.95	021-500-2	--	021-500-4	\$70.82
5/8	5/8	2-1/4	5	019-625-2	--	019-625-4	\$108.62	021-625-2	--	021-625-4	\$127.96
3/4	3/4	2-1/4	5	019-750-2	--	019-750-4	\$152.72	021-750-2	--	021-750-4	\$174.74
1	1	2-1/4	5	019-100-2	--	019-100-4	\$237.32	021-100-2	--	021-100-4	\$275.91



Ball Nose, Standard Carbide, Extra Long Length, Single End

Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1/8	1/8	1	3	022-125-2	--	022-125-4	\$17.71	024-125-2	--	024-125-4	\$20.37
3/16	3/16	1-1/8	3	022-187-2	--	022-187-4	\$19.65	024-187-2	--	024-187-4	\$23.16
1/4	1/4	1-1/2	4	022-250-2	--	022-250-4	\$25.82	024-250-2	--	024-250-4	\$32.24
5/16	5/16	1-5/8	4	022-312-2	--	022-312-4	\$31.53	024-312-2	--	024-312-4	\$39.88
3/8	3/8	1-3/4	4	022-375-2	--	022-375-4	\$41.75	024-375-2	--	024-375-4	\$60.76
1/2	1/2	3	6	022-500-2	--	022-500-4	\$91.19	024-500-2	--	024-500-4	\$104.77
5/8	5/8	3	6	022-625-2	--	022-625-4	\$127.45	024-625-2	--	024-625-4	\$148.88
3/4	3/4	3	6	022-750-2	--	022-750-4	\$171.40	024-750-2	--	024-750-4	\$197.13
1	1	3	6	022-100-2	--	022-100-4	\$296.65	024-100-2	--	024-100-4	\$341.64

METRIC - Ball End, Standard Carbide, Regular Length, Single End

Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1	1	3	38	043-010-2	043-010-3	043-010-4	\$10.55	044-010-2	044-010-3	044-010-4	\$11.60
1.5	2	5	38	043-015-2	043-015-3	043-015-4	\$10.55	044-015-2	044-015-3	044-015-4	\$11.60
2	2	6	38	043-020-2	043-020-3	043-020-4	\$8.70	044-020-2	044-020-3	044-020-4	\$9.58
3	3	12	38	043-030-2	043-030-3	043-030-4	\$8.70	044-030-2	044-030-3	044-030-4	\$9.58
3.5	4	12	50	043-035-2	043-035-3	043-035-4	\$12.00	044-035-2	044-035-3	044-035-4	\$13.22
4	4	14	50	043-040-2	043-040-3	043-040-4	\$11.60	044-040-2	044-040-3	044-040-4	\$12.79
4.5	5	14	50	043-045-2	043-045-3	043-045-4	\$12.00	044-045-2	044-045-3	044-045-4	\$13.23
5	5	16	50	043-050-2	043-050-3	043-050-4	\$12.77	044-050-2	044-050-3	044-050-4	\$14.05
6	6	19	63	043-060-2	043-060-3	043-060-4	\$14.90	044-060-2	044-060-3	044-060-4	\$16.44
7	7	19	63	043-070-2	043-070-3	043-070-4	\$23.29	044-070-2	044-070-3	044-070-4	\$25.62
8	8	19	63	043-080-2	043-080-3	043-080-4	\$18.32	044-080-2	044-080-3	044-080-4	\$20.29
9	10	22	70	043-090-2	043-090-3	043-090-4	\$30.26	044-090-2	044-090-3	044-090-4	\$33.28
10	10	22	70	043-100-2	043-100-3	043-100-4	\$27.36	044-100-2	044-100-3	044-100-4	\$30.08
11	12	25	70	043-110-2	043-110-3	043-110-4	\$36.26	044-110-2	044-110-3	044-110-4	\$39.88
12	12	25	75	043-120-2	043-120-3	043-120-4	\$35.16	044-120-2	044-120-3	044-120-4	\$38.67
14	14	30	88	043-140-2	043-140-3	043-140-4	\$51.64	044-140-2	044-140-3	044-140-4	\$56.80
16	16	32	88	043-160-2	043-160-3	043-160-4	\$69.07	044-160-2	044-160-3	044-160-4	\$74.87
18	18	36	100	043-180-2	043-180-3	043-180-4	\$91.77	044-180-2	044-180-3	044-180-4	\$98.74
20	20	38	100	043-200-2	043-200-3	043-200-4	\$114.09	044-200-2	044-200-3	044-200-4	\$120.00
22	25	38	100	043-220-2	043-220-3	043-220-4	\$135.36	044-220-2	044-220-3	044-220-4	\$144.50
25	25	38	100	043-250-2	043-250-3	043-250-4	\$166.30	044-250-2	044-250-3	044-250-4	\$176.33

GENERAL PURPOSE

Material	Speed (SFM)		Feed Per Tooth By End Mill Diameter							
	Uncoated	TiAlN Coated	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	1"
Aluminum & Aluminum Alloys	600-1200	900-1800	.0020	.0025	.0030	.0035	.0040	.0050	.0060	.0080
Copper & Copper Alloys	350-850	525-1275	.0020	.0025	.0025	.0030	.0030	.0035	.0040	.0060
Brass & Bronze	250-400	375-600	.0020	.0025	.0025	.0030	.0030	.0035	.0040	.0050
Graphite	500-800	500-1200	.0030	.0035	.0025	.0030	.0030	.0040	.0050	.0070
Plastics	600-1100	600-1650	.0030	.0035	.0040	.0050	.0060	.0080	.0100	.0150
Iron, Cast (soft)	250-450	375-650	.0020	.0022	.0025	.0027	.0030	.0045	.0060	.0080
Iron, Cast (hard)	100-250	100-375	.0008	.0010	.0015	.0017	.0020	.0025	.0030	.0040
Iron, Ductile	80-400	100-600	.0010	.0012	.0015	.0017	.0020	.0030	.0040	.0060
Iron, Malleable	150-500	225-650	.0010	.0015	.0020	.0025	.0030	.0040	.0050	.0070
Carbon Steels, Low	200-400	300-600	.0010	.0015	.0020	.0025	.0030	.0040	.0050	.0070
Carbon Steels, Medium	100-250	150-375	.0015	.0016	.0017	.0018	.0020	.0030	.0040	.0050
Carbon Steels Hardened to 35 Rc	130-230	130-345	.0010	.0011	.0012	.0013	.0015	.0017	.0020	.0030
Carbon Steels Hardened to 50 Rc	70-130	70-160	.0007	.0007	.0008	.0009	.0010	.0015	.0020	.0030
Carbon Steels Hardened to 60 Rc	30-70	30-90	.0005	.0006	.0007	.0009	.0010	.0012	.0015	.0020
Steels, Mold	200-350	300-525	.0010	.0012	.0015	.0017	.0020	.0025	.0030	.0040
Steels, Tool	100-250	150-375	.0010	.0012	.0015	.0017	.0020	.0025	.0030	.0040
Stainless Steels, Soft	200-350	300-450	.0010	.0012	.0015	.0012	.0020	.0030	.0040	.0060
Stainless Steels, Hard	100-200	150-300	.0005	.0006	.0007	.0008	.0010	.0020	.0030	.0050
Monel & High Nickel Steel	75-175	75-200	.0010	.0012	.0015	.0017	.0020	.0025	.0030	.0040
Titanium, Soft	125-300	125-375	.0010	.0012	.0015	.0017	.0020	.0030	.0040	.0060
Titanium, Hard	50-150	50-175	.0005	.0006	.0007	.0008	.0010	.0015	.0020	.0020
Nickel Based High Temp Alloys	50-100	50-125	.0008	.0008	.0009	.0009	.0010	.0012	.0015	.0020

- Higher Feed Per Tooth should be used to start for radial depths of cut less than 25% of the tool diameter. Lower Feed Per Tooth should be used to start for radial depths of cut greater than 25% of the tool diameter.
- The above recommendations are for axial lengths of cut not to exceed 1 times the tool diameter for profiling and .5 times the diameter for full slotting.
- The above parameters are recommended starting points only. If the tool is working well, without vibrations or significant noise, increase the SFM and/or Feed Per Tooth in 5-10% increments.
- Optimum speeds & feeds will depend upon material, setup, machine conditions & tool deflection. Higher or lower parameters may be required to achieve optimum machining conditions.
- For Light Radial Depths of cut, make certain to increase the feed rate to compensate for Radial Chip Thinning Factor (RCTF). Consult a formula or app to calculate.
- Climb Milling is preferred to Conventional Milling

$$RPM = \frac{SFM}{(3.146 * \text{Cutter Diam.}) / 12}$$

$$IPM = RPM * \text{Feed Per Tooth} * \# \text{ of Teeth}$$

