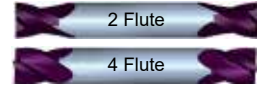
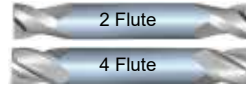
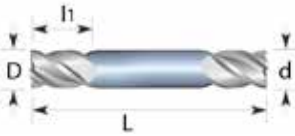


P	●	Steel
M	◐	Stainless Steel
K	●	Cast Iron
N	○	Non-Ferrous
S	○	High Temp. Alloys
H	○	Hardened Steel

● 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



Square End, Standard Carbide, Stub Length, Double End

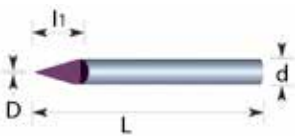
Cutter Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	Uncoated				TiAlN Coated			
				2 Flute Part#	3 Flute Part#	4 Flute Part#	Price	2 Flute Part#	3 Flute Part#	4 Flute Part#	Price
1/32	1/8	1/16	1-1/2	025-031-2	--	025-031-4	\$9.89	027-031-2	--	027-031-4	\$10.99
3/64	1/8	3/32	1-1/2	025-046-2	--	025-046-4	\$9.89	027-046-2	--	027-046-4	\$10.99
1/16	1/8	1/8	1-1/2	025-062-2	--	025-062-4	\$8.79	027-062-2	--	027-062-4	\$9.89
3/32	1/8	3/16	1-1/2	025-093-2	--	025-093-4	\$8.35	027-093-2	--	027-093-4	\$9.45
7/64	1/8	7/32	1-1/2	025-109-2	--	025-109-4	\$8.13	027-109-2	--	027-109-4	\$9.23
1/8	1/8	1/4	1-1/2	025-125-2	--	025-125-4	\$7.91	027-125-2	--	027-125-4	\$9.01
5/32	3/16	5/16	2	025-156-2	--	025-156-4	\$12.09	027-156-2	--	027-156-4	\$14.94
3/16	3/16	5/16	2	025-187-2	--	025-187-4	\$11.54	027-187-2	--	027-187-4	\$14.28
7/32	1/4	3/8	2-1/2	025-218-2	--	025-218-4	\$13.62	027-218-2	--	027-218-4	\$18.68
1/4	1/4	1/2	2-1/2	025-250-2	--	025-250-4	\$13.40	027-250-2	--	027-250-4	\$18.02
9/32	5/16	1/2	2-1/2	025-281-2	--	025-281-4	\$16.48	027-281-2	--	027-281-4	\$23.07
5/16	5/16	1/2	2-1/2	025-312-2	--	025-312-4	\$16.04	027-312-2	--	027-312-4	\$22.41
3/8	3/8	9/16	2-1/2	025-375-2	--	025-375-4	\$20.88	027-375-2	--	027-375-4	\$27.47
7/16	1/2	9/16	2-3/4	025-437-2	--	025-437-4	\$31.86	027-437-2	--	027-437-4	\$40.65
1/2	1/2	5/8	3	025-500-2	--	025-500-4	\$35.16	027-500-2	--	027-500-4	\$41.75
9/16	5/8	11/16	3-1/2	025-562-2	--	025-562-4	\$76.91	027-562-2	--	027-562-4	\$87.90
5/8	5/8	11/16	3-1/2	025-625-2	--	025-625-4	\$74.71	027-625-2	--	027-625-4	\$83.50
3/4	3/4	7/8	4	025-750-2	--	025-750-4	\$94.49	027-750-2	--	027-750-4	\$112.07



Square End, Standard Carbide, Regular Length, Double 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
3/32	1/8	5/16	3	031-093-2	--	031-093-4	\$31.20	032-093-2	--	032-093-4	\$35.60
1/8	1/8	3/8	3-1/16	031-125-2	--	031-125-4	\$30.76	032-125-2	--	032-125-4	\$35.16
5/32	3/16	7/16	3-1/8	031-156-2	--	031-156-4	\$30.32	032-156-2	--	032-156-4	\$35.27
3/16	3/16	1/2	3-1/4	031-187-2	--	031-187-4	\$29.67	032-187-2	--	032-187-4	\$34.61
7/32	1/4	9/16	3-1/2	031-218-2	--	031-218-4	\$29.67	032-218-2	--	032-218-4	\$34.61
1/4	1/4	5/8	3-1/2	031-250-2	--	031-250-4	\$29.67	032-250-2	--	032-250-4	\$34.61
5/16	5/16	3/4	3-1/2	031-312-2	--	031-312-4	\$31.20	032-312-2	--	032-312-4	\$36.37
3/8	3/8	3/4	3-1/2	031-375-2	--	031-375-4	\$32.96	032-375-2	--	032-375-4	\$38.13
7/16	1/2	7/8	4	031-437-2	--	031-437-4	\$50.54	032-437-2	--	032-437-4	\$56.25
1/2	1/2	1	4	031-500-2	--	031-500-4	\$46.15	032-500-2	--	032-500-4	\$53.84
5/8	5/8	1-1/2	6	031-625-2	--	031-625-4	\$92.29	032-625-2	--	032-625-4	\$102.18
3/4	3/4	1-1/2	6	031-750-2	--	031-750-4	\$134.04	032-750-2	--	032-750-4	\$145.03

* Double Ended tools under 1/4" Diameter have Round Shanks. 1/4" diameter & larger have Weldon Shanks.



NEW

- Engraving Tools with 30 Degree angle
- 3 tip sizes to choose from
- 10% Micro Grain Carbide
- Diameter Tolerances: +0.0000"/-0.0020"



Engraving Tools 30 Degree Tip

Tip Diam. D	Shank Diam. d	Length Of Cut l1	O.A.L. L	TiAlN Coated	
				Part#	Price
.005	1/4	1/2	2-1/2	108-250-005	\$14.46
.010	1/4	1/2	2-1/2	108-250-010	\$14.46
.020	1/4	1/2	2-1/2	108-250-020	\$14.46