

Unequal Index
Standard Length

4 FLUTES Variable Helix
VXE & VXR (504 - 564) A

D	D2	L1	L2	SQUARE PART NO.	PRICE	CORNER RADIUS			PRICE
						0.010 PART NO.	0.015 PART NO.	0.030 PART NO.	
1/8	1/8	1/8	1-1/2	VXE504A008	\$14.76	VXR504A008010		VXR504A008030	\$15.49
1/8	1/8	3/8	1-1/2	VXE514A008	\$15.84	VXR514A008010		VXR514A008030	\$16.63
1/8	1/8	1/2	2-1/2	VXE524A008	\$17.47	VXR524A008010		VXR524A008030	\$18.34
5/32	3/16	3/16	2	VXE504A010	\$18.17	VXR504A010010			\$19.08
5/32	3/16	7/16	2	VXE514A010	\$19.63	VXR514A010010			\$20.61
3/16	3/16	3/16	2	VXE504A012	\$18.35	VXR504A012010			\$19.27
3/16	3/16	5/16	2	VXE514A012	\$19.09	VXR514A012010		VXR514A012030	\$20.03
3/16	3/16	7/16	2	VXE524A012	\$19.45	VXR524A012010		VXR524A012030	\$20.42
3/16	3/16	5/8	2-1/2	VXE534A012	\$20.62	VXR534A012010		VXR534A012030	\$21.65
7/32	1/4	1/4	2	VXE504A014	\$16.60	VXR504A014010			\$17.43
7/32	1/4	7/16	2-1/2	VXE514A014	\$23.67	VXR514A014010			\$24.86
1/4	1/4	3/8	2	VXE504A016	\$20.68	VXR504A016010		VXR504A016030	\$21.71
1/4	1/4	1/2	2-1/2	VXE514A016	\$23.12	VXR514A016010	VXR514A016015	VXR514A016030	\$24.28
1/4	1/4	3/4	2-1/2	VXE524A016	\$24.79		VXR524A016015	VXR524A016030	\$26.03
1/4	1/4	1	3	VXE534A016	\$28.06		VXR534A016015	VXR534A016030	\$29.46
9/32	5/16	5/8	2-1/2	VXE504A018	\$30.12		VXR504A018015	VXR504A018030	\$31.62
9/32	5/16	1	3	VXE514A018	\$35.00		VXR514A018015	VXR514A018030	\$36.75
5/16	5/16	7/16	2	VXE504A020	\$26.32			VXR504A020030	\$27.63
5/16	5/16	13/16	2-1/2	VXE514A020	\$30.31	VXR514A020010		VXR514A020030	\$31.82
5/16	5/16	1-1/4	3	VXE524A020	\$36.74		VXR524A020015	VXR524A020030	\$38.58
11/32	3/8	1/2	2-1/2	VXE504A022	\$35.99			VXR504A022030	\$37.79
11/32	3/8	13/16	2-1/2	VXE514A022	\$38.01			VXR514A022030	\$39.91
3/8	3/8	1/2	2-1/2	VXE504A024	\$36.59	VXR504A024010		VXR504A024030	\$38.42
3/8	3/8	7/8	2-1/2	VXE514A024	\$38.81	VXR514A024010		VXR514A024030	\$40.76
3/8	3/8	1	3	VXE524A024	\$43.49	VXR524A024010		VXR524A024030	\$45.67
3/8	3/8	1-1/4	3	VXE534A024	\$44.70	VXR534A024010		VXR534A024030	\$46.94
13/32	7/16	1/2	2-3/4	VXE504A026	\$46.81			VXR504A026030	\$49.16
13/32	7/16	15/16	2-3/4	VXE514A026	\$48.70			VXR514A026030	\$51.13
7/16	7/16	5/8	2-1/2	VXE504A028	\$46.31		VXR504A028015	VXR504A028030	\$48.62
7/16	7/16	7/8	2-3/4	VXE514A028	\$50.15		VXR514A028015	VXR514A028030	\$52.66
7/16	7/16	1	2-3/4	VXE524A028	\$51.40	VXR524A028010		VXR524A028030	\$53.98
15/32	1/2	5/8	2-1/2	VXE504A030	\$57.98			VXR504A030030	\$60.88
15/32	1/2	1	3	VXE514A030	\$66.19			VXR514A030030	\$69.50
15/32	1/2	1-1/4	3-1/2	VXE524A030	\$74.96			VXR524A030030	\$78.71
1/2	1/2	5/8	2-1/2	VXE504A032	\$57.33	VXR504A032010	VXR504A032015	VXR504A032030	\$61.66
1/2	1/2	1	3	VXE514A032	\$64.78	VXR514A032010	VXR514A032015	VXR514A032030	\$69.69
1/2	1/2	1-1/4	3-1/4	VXE524A032	\$71.23	VXR524A032010	VXR524A032015	VXR524A032030	\$76.59
1/2	1/2	1-1/4	3-1/2	VXE534A032	\$73.88	VXR534A032010	VXR534A032015	VXR534A032030	\$79.46
1/2	1/2	1-5/8	4	VXE544A032	\$87.83		VXR544A032015	VXR544A032030	\$94.45
1/2	1/2	2	4	VXE554A032	\$90.41		VXR554A032015	VXR554A032030	\$97.23
1/2	1/2	2-1/2	4-1/2	VXE564A032	\$101.85		VXR564A032015	VXR564A032030	\$109.53
5/8	5/8	3/4	3	VXE504A040	\$95.76	VXR504A040010	VXR504A040015	VXR504A040030	\$103.97
5/8	5/8	1-1/4	3-1/2	VXE514A040	\$110.68	VXR514A040010	VXR514A040015	VXR514A040030	\$120.13
5/8	5/8	1-5/8	4	VXE524A040	\$130.02		VXR524A040015	VXR524A040030	\$141.16
5/8	5/8	2	4	VXE534A040	\$134.79		VXR534A040015	VXR534A040030	\$146.33
5/8	5/8	3-1/4	6	VXE544A040	\$190.64		VXR544A040015	VXR544A040030	\$206.98
3/4	3/4	3/4	3	VXE504A048	\$128.44		VXR504A048015	VXR504A048030	\$136.41
3/4	3/4	1-1/2	4	VXE514A048	\$173.29		VXR514A048015	VXR514A048030	\$184.03
3/4	3/4	1-7/8	4	VXE524A048	\$176.92		VXR524A048015	VXR524A048030	\$190.04
3/4	3/4	2-1/4	5	VXE534A048	\$212.21		VXR534A048015	VXR534A048030	\$227.99
3/4	3/4	3-1/4	6	VXE544A048	\$252.85		VXR544A048015	VXR544A048030	\$271.66
1	1	1	4	VXE504A064	\$281.36		VXR504A064015	VXR504A064030	\$295.43
1	1	1-1/2	4	VXE514A064	\$303.97		VXR514A064015	VXR514A064030	\$319.17
1	1	2	5	VXE524A064	\$371.49		VXR524A064015	VXR524A064030	\$390.07
1	1	2-5/8	5	VXE534A064	\$395.80		VXR534A064015	VXR534A064030	\$415.59
1	1	3	6	VXE544A064	\$459.19		VXR544A064015	VXR544A064030	\$482.15
1	1	4-1/4	7	VXE554A064	\$559.64		VXR554A064015	VXR554A064030	\$587.62



V-STAR Endmill Series



Unequal Index
Standard Length

6 FLUTES Variable Helix
VXE & VXR (506 - 556) A

For Higher Metal Removal Rates & HEM!

Exclusively at



Significant Improvements

Ultra-Micro Grain

Ultra-Micro Grain Carbide has a smaller and more consistent grain size than standard micro grain material. Ultra-Micro Grain structure tends to provide both a longer and more consistent tool life with higher wear resistance and less chipping.

High Performance PVD coating

AlCr based high quality coating provides superior wear resistance, longer tool life and outstanding prevention to high temperature oxidation of tools.

Variable Helix and Unequal Index

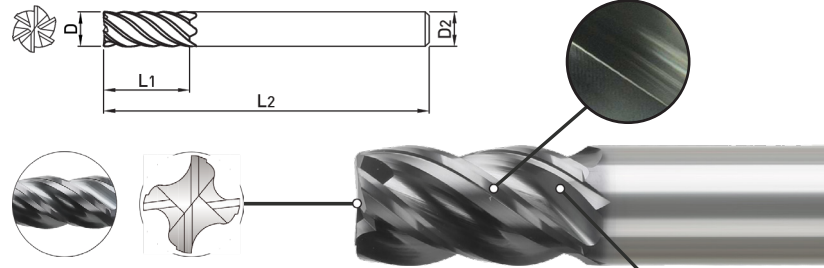
High quality flute surface finishing allows for cutting without chattering and optimized helix angle which provides excellent anti-vibration of tools and a smooth workpiece surface finish.

Special Features

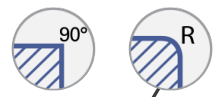
V-STAR

A COMPLETE LINE OF VARIABLE HELIX UNEQUAL INDEX END MILLS

- Stable high-speed milling through tool geometry - variable helix and optimized rake angle
- High quality workpiece surface finish due to minimization of vibration
- Excellent chip emission with minimization of the attrition



More radii options available!



D	D2	L1	L2	SQUARE PART NO.	PRICE	CORNER RADIUS		PRICE
						0.015 PART NO.	0.030 PART NO.	
1/4	1/4	1/2	2-1/2	VXE506A016	\$27.74	VXR506A016015	VXR506A016030	\$29.13
1/4	1/4	3/4	2-1/2	VXE516A016	\$29.74	VXR516A016015	VXR516A016030	\$31.23
1/4	1/4	1	3	VXE526A016	\$33.67	VXR526A016015	VXR526A016030	\$35.35
1/4	1/4	1-1/4	4	VXE536A016	\$41.90	VXR536A016015	VXR536A016030	\$44.00
5/16	5/16	3/4	2-1/2	VXE506A020	\$36.37	VXR506A020015	—	\$38.19
5/16	5/16	1-1/4	3	VXE516A020	\$44.09	VXR516A020015	VXR516A020030	\$46.29
5/16	5/16	1-5/8	4	VXE526A020	\$55.19	VXR526A020015	VXR526A020030	\$57.95
3/8	3/8	5/8	2-1/2	VXE506A024	\$45.37	VXR506A024015	VXR506A024030	\$47.63
3/8	3/8	1	3	VXE516A024	\$52.19	VXR516A024015	VXR516A024030	\$54.80
3/8	3/8	1-1/2	4	VXE526A024	\$65.87	VXR526A024015	VXR526A024030	\$69.17
3/8	3/8	2	4	VXE536A024	\$69.51	VXR536A024015	VXR536A024030	\$72.98
1/2	1/2	5/8	3	VXE506A032	\$75.17	VXR506A032015	VXR506A032030	\$80.84
1/2	1/2	1	3	VXE516A032	\$77.76	VXR516A032015	VXR516A032030	\$83.62
1/2	1/2	1-1/4	3-1/2	VXE526A032S	\$88.55	VXR526A032015S	VXR526A032030S	\$95.24
1/2	1/2	1-1/2	3-1/2	VXE526A032	\$92.28	VXR526A032015	VXR526A032030	\$99.24
1/2	1/2	2	4	VXE536A032	\$108.50	VXR536A032015	VXR536A032030	\$116.68
1/2	1/2	2-5/8	5	VXE546A032	\$132.34	VXR546A032015	VXR546A032030	\$142.32
1/2	1/2	3	5	VXE556A032	\$137.52	VXR556A032015	VXR556A032030	\$147.89
5/8	5/8	1-1/4	3-1/2	VXE506A040	\$132.77	VXR506A040015	VXR506A040030	\$144.15
5/8	5/8	2	4	VXE516A040	\$161.74	VXR516A040015	VXR516A040030	\$175.61
5/8	5/8	3	5	VXE526A040	\$199.49	VXR526A040015	VXR526A040030	\$216.59
3/4	3/4	1	3-1/2	VXE506A048	\$177.64	VXR506A048015	VXR506A048030	\$190.83
3/4	3/4	1-1/2	4	VXE516A048	\$205.56	VXR516A048015	VXR516A048030	\$220.84
3/4	3/4	1-7/8	5	VXE526A048	\$246.81	VXR526A048015	VXR526A048030	\$265.17
3/4	3/4	2-1/4	5	VXE536A048	\$254.65	VXR536A048015	VXR536A048030	\$273.58
3/4	3/4	2-3/4	5	VXE546A048	\$263.03	VXR546A048015	VXR546A048030	\$282.58
3/4	3/4	3	5-1/2	VXE556A048	\$279.56	VXR556A048015	VXR556A048030	\$300.34
1	1	1-1/2	4	VXE506A064	\$364.76	VXR506A064015	VXR506A064030	\$383.00
1	1	2	5	VXE516A064	\$445.80	VXR516A064015	VXR516A064030	\$468.08
1	1	2-5/8	5	VXE526A064	\$474.96	VXR526A064015	VXR526A064030	\$498.71
1	1	3	6	VXE536A064	\$551.02	VXR536A064015	VXR536A064030	\$578.58
1	1	4-1/4	7	VXE546A064	\$671.57	VXR546A064015	VXR546A064030	\$705.14



To Place an Order Email: sales@caliberindustrial.com or Phone: 905-624-5524
Ref. No 300-2408-4C

SCAN for V-Star INCH Catalogue

