



HY-PRO® CARB VGX

High Performance Variable Geometry End Mills

List VG434

HY-PRO® CARB VGX CR



SPEED FEED
1386

CARBIDE

TiAlN

4 FLUTE

35°



SHANK
h6

STUB

REG

PACKED
1 PIECE

Cutting Diameter Tolerance	
1/8" ≤ D ≤ 1"	+0 / -0.0015"



EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	Weldon Flat
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)	
VG434-1250	●	1/8	0.010	0.375	1.500	0.125	-
VG434-1251	●	1/8	0.015	0.375	1.500	0.125	-
VG434-1875	●	3/16	0.015	0.438	2.000	0.188	-
VG434-1876	●	3/16	0.030	0.438	2.000	0.188	-
VG434-2500	●	1/4	0.015	0.438	2.500	0.250	-
VG434-2501	●	1/4	0.030	0.438	2.500	0.250	-
VG434-2502	●	1/4	0.015	0.750	2.500	0.250	-
VG434-2503	●	1/4	0.030	0.750	2.500	0.250	-
VG434-2504	●	1/4	0.060	0.750	2.500	0.250	-
VG434-3125	●	5/16	0.015	0.813	2.500	0.313	-
VG434-3126	●	5/16	0.030	0.813	2.500	0.313	-
VG434-3750	●	3/8	0.030	0.500	2.500	0.375	-
VG434-3754	●	3/8	0.030	0.500	2.500	0.375	●
VG434-3758	●	3/8	0.015	0.875	2.500	0.375	●
VG434-3759	●	3/8	0.015	0.875	2.500	0.375	-
VG434-3751	●	3/8	0.030	0.875	2.500	0.375	-
VG434-3755	●	3/8	0.030	0.875	2.500	0.375	●
VG434-3752	●	3/8	0.045	0.875	2.500	0.375	-
VG434-3756	●	3/8	0.045	0.875	2.500	0.375	●
VG434-3753	●	3/8	0.060	0.875	2.500	0.375	-
VG434-3757	●	3/8	0.060	0.875	2.500	0.375	●
VG434-4375	●	7/16	0.015	1.000	2.750	0.438	-
VG434-4377	●	7/16	0.015	1.000	2.750	0.438	●
VG434-4376	●	7/16	0.030	1.000	2.750	0.438	-
VG434-4378	●	7/16	0.030	1.000	2.750	0.438	●
VG434-5020	●	1/2	0.015	0.625	2.500	0.500	●
VG434-5021	●	1/2	0.015	0.625	2.500	0.500	-
VG434-5000	●	1/2	0.030	0.625	2.500	0.500	●
VG434-5009	●	1/2	0.030	0.625	2.500	0.500	-
VG434-5001	●	1/2	0.030	1.000	3.000	0.500	●
VG434-5010	●	1/2	0.030	1.000	3.000	0.500	-
VG434-5002	●	1/2	0.060	1.000	3.000	0.500	●
VG434-5011	●	1/2	0.060	1.000	3.000	0.500	-
VG434-5003	●	1/2	0.015	1.250	3.500	0.500	●
VG434-5012	●	1/2	0.015	1.250	3.500	0.500	-
VG434-5004	●	1/2	0.030	1.250	3.500	0.500	●
VG434-5013	●	1/2	0.030	1.250	3.500	0.500	-
VG434-5005	●	1/2	0.045	1.250	3.500	0.500	●
VG434-5014	●	1/2	0.045	1.250	3.500	0.500	-
VG434-5006	●	1/2	0.060	1.250	3.500	0.500	●
VG434-5015	●	1/2	0.060	1.250	3.500	0.500	-
VG434-5007	●	1/2	0.090	1.250	3.500	0.500	●
VG434-5016	●	1/2	0.090	1.250	3.500	0.500	-
VG434-5008	●	1/2	0.125	1.250	3.500	0.500	●
VG434-5017	●	1/2	0.125	1.250	3.500	0.500	-
VG434-5018	●	1/2	0.020	1.500	4.000	0.500	●
VG434-5019	●	1/2	0.020	1.500	4.000	0.500	-
VG434-6250	●	5/8	0.030	1.250	3.500	0.625	●
VG434-6254	●	5/8	0.030	1.250	3.500	0.625	-
VG434-6251	●	5/8	0.060	1.250	3.500	0.625	●
VG434-6255	●	5/8	0.060	1.250	3.500	0.625	-
VG434-6252	●	5/8	0.090	1.250	3.500	0.625	●
VG434-6256	●	5/8	0.090	1.250	3.500	0.625	-

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX



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EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	Weldon Flat
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)	
VG434-6253	●	5/8	0.125	1.250	3.500	0.625	●
VG434-6257	●	5/8	0.125	1.250	3.500	0.625	-
VG434-7500	●	3/4	0.030	1.500	4.000	0.750	●
VG434-7504	●	3/4	0.030	1.500	4.000	0.750	-
VG434-7501	●	3/4	0.060	1.500	4.000	0.750	●
VG434-7505	●	3/4	0.060	1.500	4.000	0.750	-
VG434-7502	●	3/4	0.090	1.500	4.000	0.750	●
VG434-7506	●	3/4	0.090	1.500	4.000	0.750	-
VG434-7503	●	3/4	0.125	1.500	4.000	0.750	●
VG434-7507	●	3/4	0.125	1.500	4.000	0.750	-
VG434-7508	●	3/4	0.020	1.625	4.000	0.750	●
VG434-7510	●	3/4	0.020	1.625	4.000	0.750	-
VG434-7509	●	3/4	0.060	2.250	5.000	0.750	●
VG434-7511	●	3/4	0.060	2.250	5.000	0.750	-
VG434-1000	●	1	0.030	1.500	4.000	1.000	●
VG434-1004	●	1	0.030	1.500	4.000	1.000	-
VG434-1001	●	1	0.060	1.500	4.000	1.000	●
VG434-1005	●	1	0.060	1.500	4.000	1.000	-
VG434-1002	●	1	0.090	1.500	4.000	1.000	●
VG434-1006	●	1	0.090	1.500	4.000	1.000	-
VG434-1003	●	1	0.125	1.500	4.000	1.000	●
VG434-1007	●	1	0.125	1.500	4.000	1.000	-

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P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium				
Low	Medium	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
○	○	○	○	○	○	○	○	○			○	○	○	○	○	○

○ Good ○ Best

