



HY-PRO® CARB VGM

High Performance Variable Geometry End Mills

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

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List VGM7

HY-PRO® CARB VGM7

SPEED
FEED
1392

CARBIDE

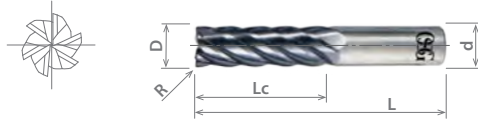
EXO®



36°

SHANK
h6STUB
REG

LONG

EXTRA
LONGPACKED
1 PIECE

Cutting Diameter Tolerance

1/4" ≤ D ≤ 1" +0 / -0.0015"

EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)	
VGM7-0001	●	1/4	-	0.375	2.000	0.250	1.5
VGM7-0002	●	1/4	0.020	0.375	2.000	0.250	1.5
VGM7-0003	●	1/4	0.030	0.375	2.000	0.250	1.5
VGM7-0004	●	1/4	0.060	0.375	2.000	0.250	1.5
VGM7-0005	●	1/4	-	0.500	2.500	0.250	2
VGM7-0006	●	1/4	0.020	0.500	2.500	0.250	2
VGM7-0007	●	1/4	0.030	0.500	2.500	0.250	2
VGM7-0008	●	1/4	0.060	0.500	2.500	0.250	2
VGM7-0009	●	1/4	-	0.750	2.500	0.250	3
VGM7-0010	●	1/4	0.020	0.750	2.500	0.250	3
VGM7-0011	●	1/4	0.030	0.750	2.500	0.250	3
VGM7-0012	●	1/4	0.060	0.750	2.500	0.250	3
VGM7-0013	●	1/4	-	1.000	3.000	0.250	4
VGM7-0014	●	1/4	0.020	1.000	3.000	0.250	4
VGM7-0015	●	1/4	0.030	1.000	3.000	0.250	4
VGM7-0016	●	1/4	0.060	1.000	3.000	0.250	4
VGM7-0017	●	1/4	-	1.250	3.000	0.250	5
VGM7-0018	●	1/4	0.020	1.250	3.000	0.250	5
VGM7-0019	●	1/4	0.030	1.250	3.000	0.250	5
VGM7-0020	●	1/4	0.060	1.250	3.000	0.250	5
VGM7-0021	●	1/4	-	1.500	3.000	0.250	6
VGM7-0022	●	1/4	0.020	1.500	3.000	0.250	6
VGM7-0023	●	1/4	0.030	1.500	3.000	0.250	6
VGM7-0024	●	1/4	0.060	1.500	3.000	0.250	6
VGM7-0025	●	5/16	-	0.469	2.000	0.313	1.5
VGM7-0026	●	5/16	0.020	0.469	2.000	0.313	1.5
VGM7-0027	●	5/16	0.030	0.469	2.000	0.313	1.5
VGM7-0028	●	5/16	0.060	0.469	2.000	0.313	1.5
VGM7-0029	●	5/16	-	0.625	2.500	0.313	2
VGM7-0030	●	5/16	0.020	0.625	2.500	0.313	2
VGM7-0031	●	5/16	0.030	0.625	2.500	0.313	2
VGM7-0032	●	5/16	0.060	0.625	2.500	0.313	2
VGM7-0033	●	5/16	-	0.938	3.000	0.313	3
VGM7-0034	●	5/16	0.020	0.938	3.000	0.313	3
VGM7-0035	●	5/16	0.030	0.938	3.000	0.313	3
VGM7-0036	●	5/16	0.060	0.938	3.000	0.313	3
VGM7-0037	●	5/16	-	1.250	3.000	0.313	4
VGM7-0038	●	5/16	0.020	1.250	3.000	0.313	4
VGM7-0039	●	5/16	0.030	1.250	3.000	0.313	4
VGM7-0040	●	5/16	0.060	1.250	3.000	0.313	4
VGM7-0041	●	3/8	-	0.563	2.000	0.375	1.5
VGM7-0042	●	3/8	0.020	0.563	2.000	0.375	1.5
VGM7-0043	●	3/8	0.030	0.563	2.000	0.375	1.5
VGM7-0044	●	3/8	0.060	0.563	2.000	0.375	1.5
VGM7-0045	●	3/8	-	0.750	2.500	0.375	2
VGM7-0046	●	3/8	0.020	0.750	2.500	0.375	2
VGM7-0047	●	3/8	0.030	0.750	2.500	0.375	2
VGM7-0048	●	3/8	0.060	0.750	2.500	0.375	2
VGM7-0049	●	3/8	-	1.125	3.000	0.375	3
VGM7-0050	●	3/8	0.020	1.125	3.000	0.375	3
VGM7-0051	●	3/8	0.030	1.125	3.000	0.375	3
VGM7-0052	●	3/8	0.060	1.125	3.000	0.375	3
VGM7-0053	●	3/8	-	1.500	4.000	0.375	4

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





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CARBIDE

EXO*

7 FLUTE

36°



SHANK
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1 PIECE

EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)	
VGM7-0054	●	3/8	0.020	1.500	4.000	0.375	4
VGM7-0055	●	3/8	0.030	1.500	4.000	0.375	4
VGM7-0056	●	3/8	0.060	1.500	4.000	0.375	4
VGM7-0057	●	1/2	-	0.625	2.500	0.500	1.25
VGM7-0058	●	1/2	0.030	0.625	2.500	0.500	1.25
VGM7-0059	●	1/2	0.060	0.625	2.500	0.500	1.25
VGM7-0060	●	1/2	-	1.000	3.000	0.500	2
VGM7-0061	●	1/2	0.030	1.000	3.000	0.500	2
VGM7-0062	●	1/2	0.060	1.000	3.000	0.500	2
VGM7-0063	●	1/2	-	1.250	3.000	0.500	2.5
VGM7-0064	●	1/2	0.030	1.250	3.000	0.500	2.5
VGM7-0065	●	1/2	0.060	1.250	3.000	0.500	2.5
VGM7-0066	●	1/2	-	1.500	4.000	0.500	3
VGM7-0067	●	1/2	0.030	1.500	4.000	0.500	3
VGM7-0068	●	1/2	0.060	1.500	4.000	0.500	3
VGM7-0069	●	1/2	-	2.000	4.000	0.500	4
VGM7-0070	●	1/2	0.030	2.000	4.000	0.500	4
VGM7-0071	●	1/2	0.060	2.000	4.000	0.500	4
VGM7-0072	●	5/8	-	0.781	3.000	0.625	1.25
VGM7-0073	●	5/8	0.030	0.781	3.000	0.625	1.25
VGM7-0074	○	5/8	0.060	0.781	3.000	0.625	1.25
VGM7-0075	●	5/8	-	1.250	3.500	0.625	2
VGM7-0076	●	5/8	0.030	1.250	3.500	0.625	2
VGM7-0077	●	5/8	0.060	1.250	3.500	0.625	2
VGM7-0078	●	5/8	-	1.563	3.500	0.625	2.5
VGM7-0079	●	5/8	0.030	1.563	3.500	0.625	2.5
VGM7-0080	●	5/8	0.060	1.563	3.500	0.625	2.5
VGM7-0081	●	5/8	-	1.875	5.000	0.625	3
VGM7-0082	●	5/8	0.030	1.875	5.000	0.625	3
VGM7-0083	○	5/8	0.060	1.875	5.000	0.625	3
VGM7-0084	●	5/8	-	2.500	5.000	0.625	4
VGM7-0085	●	5/8	0.030	2.500	5.000	0.625	4
VGM7-0086	●	5/8	0.060	2.500	5.000	0.625	4
VGM7-0087	●	3/4	-	0.938	3.000	0.750	1.25
VGM7-0088	●	3/4	0.030	0.938	3.000	0.750	1.25
VGM7-0089	○	3/4	0.060	0.938	3.000	0.750	1.25
VGM7-0090	●	3/4	-	1.125	4.000	0.750	1.5
VGM7-0091	●	3/4	0.030	1.125	4.000	0.750	1.5
VGM7-0092	●	3/4	0.060	1.125	4.000	0.750	1.5
VGM7-0093	●	3/4	-	1.500	4.000	0.750	2
VGM7-0094	●	3/4	0.030	1.500	4.000	0.750	2
VGM7-0095	●	3/4	0.060	1.500	4.000	0.750	2
VGM7-0096	●	3/4	-	2.250	5.000	0.750	3
VGM7-0097	●	3/4	0.030	2.250	5.000	0.750	3
VGM7-0098	●	3/4	0.060	2.250	5.000	0.750	3
VGM7-0099	●	3/4	-	3.000	6.000	0.750	4
VGM7-0100	●	3/4	0.030	3.000	6.000	0.750	4
VGM7-0101	●	3/4	0.060	3.000	6.000	0.750	4
VGM7-0102	●	1	-	1.500	4.000	1.000	1.5

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



CONTINUED ▶

P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel	300	400	17-4 PH		Aluminum		Nickel Alloy	Titanium				
Low	Medium	High							6061	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC
1010	1035	1045	1065	4140				4340	6061	7075						
○	○	○	○	○	○	○	○	○			○	○	○	○	○	

○ Good ○ Best





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SPEED FEED
1392

CARBIDE

EXO®

7 FLUTE

36°



SHANK
h6

STUB

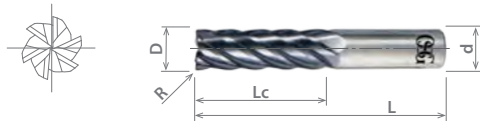
REG

LONG

EXTRA LONG

PACKED
1 PIECE

HY-PRO® CARB VGM7



Cutting Diameter Tolerance	
1/4" ≤ D ≤ 1"	+0 / -0.0015"

EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)	
VGM7-0103	●	1	0.030	1.500	4.000	1.000	1.5
VGM7-0104	○	1	0.060	1.500	4.000	1.000	1.5
VGM7-0105	●	1	-	2.000	5.000	1.000	2
VGM7-0106	○	1	0.030	2.000	5.000	1.000	2
VGM7-0107	○	1	0.060	2.000	5.000	1.000	2
VGM7-0108	●	1	-	3.000	6.000	1.000	3
VGM7-0109	●	1	0.030	3.000	6.000	1.000	3
VGM7-0110	○	1	0.060	3.000	6.000	1.000	3

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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							6061	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC	
1010	1035	1065	4140	4340	300	400	17-4 PH												
○	○	○	○	○	○	○	○	○			○	○	○	○	○				

○ Good ○ Best

