



HY-PRO® CARB VGM

High Performance Variable Geometry End Mills

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

List VGM5

HY-PRO® CARB VGM5



NEW SIZES

SPEED FEED

1389

CARBIDE

EXO®

5 FLUTE

40°



SHANK

h6

STUB

REG

LONG

EXTRA LONG

PACKED 1 PIECE



Cutting Diameter Tolerance	
1/8" ≤ D ≤ 3/16"	+0 / -0.0015"

EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat
VGM5-0001	1/8	-	0.188	1.500	0.125	1.5	-
VGM5-0002	1/8	0.010	0.188	1.500	0.125	1.5	-
VGM5-0003	1/8	-	0.250	1.500	0.125	2	-
VGM5-0004	1/8	0.010	0.250	1.500	0.125	2	-
VGM5-0005	1/8	0.015	0.250	1.500	0.125	2	-
VGM5-0006	1/8	0.030	0.250	1.500	0.125	2	-
VGM5-0007	1/8	-	0.375	1.500	0.125	3	-
VGM5-0008	1/8	0.010	0.375	1.500	0.125	3	-
VGM5-0009	1/8	-	0.500	2.250	0.125	4	-
VGM5-0010	1/8	0.010	0.500	2.250	0.125	4	-
VGM5-0011	1/8	0.015	0.500	2.250	0.125	4	-
VGM5-0012	1/8	0.030	0.500	2.250	0.125	4	-
VGM5-0013	1/8	-	0.625	2.250	0.125	5	-
VGM5-0014	1/8	0.010	0.625	2.250	0.125	5	-
VGM5-0015	1/8	-	0.750	2.250	0.125	6	-
VGM5-0016	1/8	0.010	0.750	2.250	0.125	6	-
VGM5-0017	1/8	0.015	0.750	2.250	0.125	6	-
VGM5-0018	1/8	0.030	0.750	2.250	0.125	6	-
VGM5-0019	5/32	-	0.234	2.000	0.156	1.5	-
VGM5-0020	5/32	0.010	0.234	2.000	0.156	1.5	-
VGM5-0021	5/32	-	0.313	2.000	0.156	2	-
VGM5-0022	5/32	0.010	0.313	2.000	0.156	2	-
VGM5-0023	5/32	-	0.469	2.250	0.156	3	-
VGM5-0024	5/32	0.010	0.469	2.250	0.156	3	-
VGM5-0025	3/16	-	0.281	2.000	0.188	1.5	-
VGM5-0026	3/16	0.010	0.281	2.000	0.188	1.5	-
VGM5-0027	3/16	0.015	0.281	2.000	0.188	1.5	-
VGM5-0028	3/16	0.030	0.281	2.000	0.188	1.5	-
VGM5-0029	3/16	-	0.375	2.000	0.188	2	-
VGM5-0030	3/16	0.010	0.375	2.000	0.188	2	-
VGM5-0031	3/16	-	0.563	2.250	0.188	3	-
VGM5-0032	3/16	0.010	0.563	2.250	0.188	3	-
VGM5-0033	3/16	0.015	0.563	2.250	0.188	3	-
VGM5-0034	3/16	0.030	0.563	2.250	0.188	3	-
VGM5-0035	3/16	-	0.750	2.250	0.188	4	-
VGM5-0036	3/16	0.010	0.750	2.250	0.188	4	-
VGM5-0037	3/16	0.030	0.750	2.250	0.188	4	-
VGM5-0038	3/16	-	0.938	2.250	0.188	5	-
VGM5-0039	3/16	0.010	0.938	2.250	0.188	5	-
VGM5-0040	3/16	0.015	0.938	2.250	0.188	5	-
VGM5-0041	7/32	-	0.328	2.000	0.219	1.5	-
VGM5-0042	7/32	0.010	0.328	2.000	0.219	1.5	-
VGM5-0043	7/32	-	0.438	2.500	0.219	2	-
VGM5-0044	7/32	0.010	0.438	2.500	0.219	2	-
VGM5-0045	1/4	-	0.375	2.000	0.250	1.5	-
VGM5-0046	1/4	0.010	0.375	2.000	0.250	1.5	-
VGM5-0047	1/4	0.015	0.375	2.000	0.250	1.5	-
VGM5-0048	1/4	0.020	0.375	2.000	0.250	1.5	-
VGM5-0049	1/4	0.030	0.375	2.000	0.250	1.5	-
VGM5-0050	1/4	0.060	0.375	2.000	0.250	1.5	-
VGM5-0051	1/4	-	0.500	2.500	0.250	2	-
VGM5-0052	1/4	0.010	0.500	2.500	0.250	2	-
VGM5-0053	1/4	0.015	0.500	2.500	0.250	2	-
VGM5-0054	1/4	0.020	0.500	2.500	0.250	2	-
VGM5-0055	1/4	0.030	0.500	2.500	0.250	2	-
VGM5-0056	1/4	0.060	0.500	2.500	0.250	2	-
VGM5-0057	1/4	-	0.750	2.500	0.250	3	-
VGM5-0058	1/4	0.010	0.750	2.500	0.250	3	-

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





List VGM5 (Continued)

HY-PRO® CARB VGM5



NEW SIZES

SPEED FEED
1389

CARBIDE

EXO

5 FLUTE

40°



SHANK
h6

STUB

REG

LONG

EXTRA LONG

PACKED
1 PIECE

EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat	
								D (Fractional Size)
VGM5-0059	●	1/4	0.015	0.750	2.500	0.250	3	-
VGM5-0060	●	1/4	0.020	0.750	2.500	0.250	3	-
VGM5-0061	●	1/4	0.030	0.750	2.500	0.250	3	-
VGM5-0062	●	1/4	0.060	0.750	2.500	0.250	3	-
VGM5-0063	●	1/4	-	1.000	3.000	0.250	4	-
VGM5-0064	●	1/4	0.010	1.000	3.000	0.250	4	-
VGM5-0065	●	1/4	0.015	1.000	3.000	0.250	4	-
VGM5-0066	●	1/4	0.020	1.000	3.000	0.250	4	-
VGM5-0067	●	1/4	0.030	1.000	3.000	0.250	4	-
VGM5-0068	●	1/4	0.060	1.000	3.000	0.250	4	-
VGM5-0069	●	1/4	-	1.250	3.000	0.250	5	-
VGM5-0070	●	1/4	0.020	1.250	3.000	0.250	5	-
VGM5-0071	●	1/4	-	1.500	3.000	0.250	6	-
VGM5-0072	●	1/4	0.020	1.500	3.000	0.250	6	-
VGM5-0073	●	9/32	-	0.422	2.500	0.313	1.5	-
VGM5-0074	○	9/32	0.020	0.422	2.500	0.313	1.5	-
VGM5-0075	●	9/32	-	0.563	2.500	0.313	2	-
VGM5-0076	●	9/32	0.020	0.563	2.500	0.313	2	-
VGM5-0077	●	9/32	-	0.844	3.000	0.313	3	-
VGM5-0078	●	9/32	0.020	0.844	3.000	0.313	3	-
VGM5-0079	●	5/16	-	0.469	2.000	0.313	1.5	-
VGM5-0080	●	5/16	0.010	0.469	2.000	0.313	1.5	-
VGM5-0081	●	5/16	0.020	0.469	2.000	0.313	1.5	-
VGM5-0082	●	5/16	0.030	0.469	2.000	0.313	1.5	-
VGM5-0083	●	5/16	0.060	0.469	2.000	0.313	1.5	-
VGM5-0084	●	5/16	-	0.625	2.500	0.313	2	-
VGM5-0085	●	5/16	0.010	0.625	2.500	0.313	2	-
VGM5-0086	●	5/16	0.020	0.625	2.500	0.313	2	-
VGM5-0087	●	5/16	0.030	0.625	2.500	0.313	2	-
VGM5-0088	●	5/16	0.060	0.625	2.500	0.313	2	-
VGM5-0089	●	5/16	-	0.938	3.000	0.313	3	-
VGM5-0090	●	5/16	0.020	0.938	3.000	0.313	3	-
VGM5-0091	●	5/16	0.030	0.938	3.000	0.313	3	-
VGM5-0092	●	5/16	0.060	0.938	3.000	0.313	3	-
VGM5-0093	●	5/16	-	1.250	3.000	0.313	4	-
VGM5-0094	●	5/16	0.020	1.250	3.000	0.313	4	-
VGM5-0095	●	3/8	-	0.563	2.000	0.375	1.5	-
VGM5-0095-W	○	3/8	-	0.563	2.000	0.375	1.5	●
VGM5-0096	●	3/8	0.010	0.563	2.000	0.375	1.5	-
VGM5-0097	●	3/8	0.015	0.563	2.000	0.375	1.5	-
VGM5-0097-W	○	3/8	0.015	0.563	2.000	0.375	1.5	●
VGM5-0098	●	3/8	0.020	0.563	2.000	0.375	1.5	-
VGM5-0099	●	3/8	0.030	0.563	2.000	0.375	1.5	-
VGM5-0099-W	○	3/8	0.030	0.563	2.000	0.375	1.5	●
VGM5-0100	●	3/8	0.060	0.563	2.000	0.375	1.5	-
VGM5-0100-W	○	3/8	0.060	0.563	2.000	0.375	1.5	●
VGM5-0101	●	3/8	0.090	0.563	2.000	0.375	1.5	-
VGM5-0102	●	3/8	-	0.750	2.500	0.375	2	-
VGM5-0103	●	3/8	0.010	0.750	2.500	0.375	2	-
VGM5-0104	●	3/8	0.020	0.750	2.500	0.375	2	-
VGM5-0105	●	3/8	0.030	0.750	2.500	0.375	2	-
VGM5-0106	●	3/8	0.060	0.750	2.500	0.375	2	-
VGM5-0107	●	3/8	0.090	0.750	2.500	0.375	2	-
VGM5-0108	●	3/8	-	1.125	3.000	0.375	3	-

● 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					Aluminum		Nickel Alloy	Titanium					
Low	Medium	High															
1010	1035	1045	1065	4140	4340	300	400	17-4 PH	6061	7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
○	○	○	○	○	○	○	○	○				○	○	○	○		

○ Good ○ Best



ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX



HY-PRO® CARB VGM

High Performance Variable Geometry End Mills

List VGM5 (Continued)



NEW SIZES

SPEED FEED
1389

CARBIDE

EXO®

5 FLUTE

40°



SHANK
h6

STUB

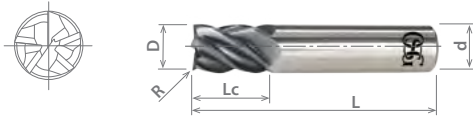
REG

LONG

EXTRA LONG

PACKED
1 PIECE

HY-PRO® CARB VGM5



Cutting Diameter Tolerance	
1/8" ≤ D ≤ 3/16"	+0 / -0.0015"

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat
VGM5-0108-W	3/8	-	1.125	3.000	0.375	3	●
VGM5-0109	3/8	0.010	1.125	3.000	0.375	3	-
VGM5-0110	3/8	0.015	1.125	3.000	0.375	3	-
VGM5-0110-W	3/8	0.015	1.125	3.000	0.375	3	●
VGM5-0111	3/8	0.020	1.125	3.000	0.375	3	-
VGM5-0112	3/8	0.030	1.125	3.000	0.375	3	-
VGM5-0112-W	3/8	0.030	1.125	3.000	0.375	3	●
VGM5-0113	3/8	0.060	1.125	3.000	0.375	3	-
VGM5-0113-W	3/8	0.060	1.125	3.000	0.375	3	●
VGM5-0114	3/8	0.090	1.125	3.000	0.375	3	-
VGM5-0115	3/8	-	1.500	4.000	0.375	4	-
VGM5-0116	3/8	0.010	1.500	4.000	0.375	4	-
VGM5-0117	3/8	0.020	1.500	4.000	0.375	4	-
VGM5-0118	3/8	0.030	1.500	4.000	0.375	4	-
VGM5-0119	3/8	0.060	1.500	4.000	0.375	4	-
VGM5-0120	3/8	0.090	1.500	4.000	0.375	4	-
VGM5-0121	1/2	-	0.625	2.500	0.500	1.25	-
VGM5-0121-W	1/2	-	0.625	2.500	0.500	1.25	●
VGM5-0122	1/2	0.010	0.625	2.500	0.500	1.25	-
VGM5-0123	1/2	0.015	0.625	2.500	0.500	1.25	-
VGM5-0123-W	1/2	0.015	0.625	2.500	0.500	1.25	●
VGM5-0124	1/2	0.020	0.625	2.500	0.500	1.25	-
VGM5-0125	1/2	0.030	0.625	2.500	0.500	1.25	-
VGM5-0125-W	1/2	0.030	0.625	2.500	0.500	1.25	●
VGM5-0126	1/2	0.060	0.625	2.500	0.500	1.25	-
VGM5-0126-W	1/2	0.060	0.625	2.500	0.500	1.25	●
VGM5-0127	1/2	0.090	0.625	2.500	0.500	1.25	-
VGM5-0127-W	1/2	0.090	0.625	2.500	0.500	1.25	●
VGM5-0128	1/2	0.120	0.625	2.500	0.500	1.25	-
VGM5-0128-W	1/2	0.120	0.625	2.500	0.500	1.25	●
VGM5-0129	1/2	0.125	0.625	2.500	0.500	1.25	-
VGM5-0130	1/2	-	1.000	3.000	0.500	2	-
VGM5-0131	1/2	0.010	1.000	3.000	0.500	2	-
VGM5-0132	1/2	0.015	1.000	3.000	0.500	2	-
VGM5-0133	1/2	0.020	1.000	3.000	0.500	2	-
VGM5-0134	1/2	0.030	1.000	3.000	0.500	2	-
VGM5-0134-W	1/2	0.030	1.000	3.000	0.500	2	●
VGM5-0135	1/2	0.060	1.000	3.000	0.500	2	-
VGM5-0135-W	1/2	0.060	1.000	3.000	0.500	2	●
VGM5-0136	1/2	0.090	1.000	3.000	0.500	2	-
VGM5-0137	1/2	0.120	1.000	3.000	0.500	2	-
VGM5-0138	1/2	0.125	1.000	3.000	0.500	2	-
VGM5-0139	1/2	-	1.250	3.000	0.500	2.5	-
VGM5-0139-W	1/2	-	1.250	3.000	0.500	2.5	●
VGM5-0140	1/2	0.010	1.250	3.000	0.500	2.5	-
VGM5-0141	1/2	0.015	1.250	3.000	0.500	2.5	-
VGM5-0141-W	1/2	0.015	1.250	3.000	0.500	2.5	●
VGM5-0142	1/2	0.020	1.250	3.000	0.500	2.5	-
VGM5-0143	1/2	0.030	1.250	3.000	0.500	2.5	-
VGM5-0143-W	1/2	0.030	1.250	3.000	0.500	2.5	●
VGM5-0144	1/2	0.060	1.250	3.000	0.500	2.5	-
VGM5-0144-W	1/2	0.060	1.250	3.000	0.500	2.5	●
VGM5-0145	1/2	0.090	1.250	3.000	0.500	2.5	-
VGM5-0145-W	1/2	0.090	1.250	3.000	0.500	2.5	●
VGM5-0146	1/2	0.120	1.250	3.000	0.500	2.5	-
VGM5-0146-W	1/2	0.120	1.250	3.000	0.500	2.5	●
VGM5-0147	1/2	0.125	1.250	3.000	0.500	2.5	-
VGM5-0148	1/2	-	1.500	4.000	0.500	3	-

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



List VGM5 (Continued)

HY-PRO® CARB VGM5



NEW SIZES

SPEED FEED
1389

CARBIDE

EXO®

5 FLUTE

40°



SHANK
h6

STUB

REG

LONG

EXTRA LONG

PACKED
1 PIECE

EDP Number		Diameter		Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)			
VGM5-0149	●	1/2	0.010	1.500	4.000	0.500	3	-	
VGM5-0150	●	1/2	0.030	1.500	4.000	0.500	3	-	
VGM5-0151	●	1/2	0.060	1.500	4.000	0.500	3	-	
VGM5-0152	○	1/2	0.090	1.500	4.000	0.500	3	-	
VGM5-0153	●	1/2	0.120	1.500	4.000	0.500	3	-	
VGM5-0154	●	1/2	0.125	1.500	4.000	0.500	3	-	
VGM5-0155	●	1/2	-	2.000	4.000	0.500	4	-	
VGM5-0156	●	1/2	0.010	2.000	4.000	0.500	4	-	
VGM5-0157	●	1/2	0.030	2.000	4.000	0.500	4	-	
VGM5-0158	●	1/2	0.060	2.000	4.000	0.500	4	-	
VGM5-0159	●	1/2	0.120	2.000	4.000	0.500	4	-	
VGM5-0160	●	1/2	-	2.500	5.000	0.500	5	-	
VGM5-0161	●	1/2	0.010	2.500	5.000	0.500	5	-	
VGM5-0162	●	1/2	0.030	2.500	5.000	0.500	5	-	
VGM5-0163	●	1/2	0.060	2.500	5.000	0.500	5	-	
VGM5-0164	●	1/2	0.120	2.500	5.000	0.500	5	-	
VGM5-0165	●	5/8	-	0.781	3.000	0.625	1.25	-	
VGM5-0165-W	○	5/8	-	0.781	3.000	0.625	1.25	●	
VGM5-0166	●	5/8	0.020	0.781	3.000	0.625	1.25	-	
VGM5-0167	●	5/8	0.030	0.781	3.000	0.625	1.25	-	
VGM5-0167-W	○	5/8	0.030	0.781	3.000	0.625	1.25	●	
VGM5-0168	●	5/8	0.060	0.781	3.000	0.625	1.25	-	
VGM5-0168-W	○	5/8	0.060	0.781	3.000	0.625	1.25	●	
VGM5-0169	○	5/8	0.090	0.781	3.000	0.625	1.25	-	
VGM5-0169-W	○	5/8	0.090	0.781	3.000	0.625	1.25	●	
VGM5-0170	●	5/8	0.120	0.781	3.000	0.625	1.25	-	
VGM5-0171	○	5/8	-	0.938	3.000	0.625	1.5	-	
VGM5-0172	●	5/8	0.020	0.938	3.000	0.625	1.5	-	
VGM5-0173	●	5/8	0.030	0.938	3.000	0.625	1.5	-	
VGM5-0174	○	5/8	0.060	0.938	3.000	0.625	1.5	-	
VGM5-0175	○	5/8	0.090	0.938	3.000	0.625	1.5	-	
VGM5-0176	●	5/8	0.120	0.938	3.000	0.625	1.5	-	
VGM5-0177	●	5/8	-	1.250	3.500	0.625	2	-	
VGM5-0177-W	○	5/8	-	1.250	3.500	0.625	2	●	
VGM5-0178	●	5/8	0.020	1.250	3.500	0.625	2	-	
VGM5-0179	●	5/8	0.030	1.250	3.500	0.625	2	-	
VGM5-0179-W	○	5/8	0.030	1.250	3.500	0.625	2	●	
VGM5-0180	●	5/8	0.060	1.250	3.500	0.625	2	-	
VGM5-0180-W	○	5/8	0.060	1.250	3.500	0.625	2	●	
VGM5-0181	●	5/8	0.090	1.250	3.500	0.625	2	-	
VGM5-0181-W	○	5/8	0.090	1.250	3.500	0.625	2	●	
VGM5-0182	○	5/8	0.120	1.250	3.500	0.625	2	-	
VGM5-0183	●	5/8	-	1.563	3.500	0.625	2.5	-	
VGM5-0184	●	5/8	0.020	1.563	3.500	0.625	2.5	-	
VGM5-0185	●	5/8	0.030	1.563	3.500	0.625	2.5	-	
VGM5-0186	●	5/8	0.060	1.563	3.500	0.625	2.5	-	
VGM5-0187	○	5/8	0.090	1.563	3.500	0.625	2.5	-	
VGM5-0188	○	5/8	0.120	1.563	3.500	0.625	2.5	-	
VGM5-0189	●	5/8	-	1.875	5.000	0.625	3	-	
VGM5-0190	●	5/8	0.020	1.875	5.000	0.625	3	-	
VGM5-0191	●	5/8	0.030	1.875	5.000	0.625	3	-	
VGM5-0192	○	5/8	0.060	1.875	5.000	0.625	3	-	
VGM5-0193	○	5/8	0.090	1.875	5.000	0.625	3	-	
VGM5-0194	●	5/8	0.120	1.875	5.000	0.625	3	-	

● 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											
○	○	○	○	○	○	○	○	○			○	○	○	○		

○ Good ○ Best





HY-PRO® CARB VGM

High Performance Variable Geometry End Mills

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

List VGM5 (Continued)

HY-PRO® CARB VGM5



NEW SIZES

SPEED FEED
1389

CARBIDE

EXO®

5 FLUTE

40°



SHANK
h6

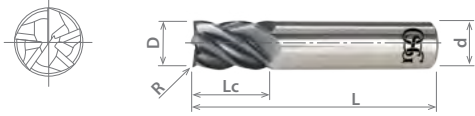
STUB

REG

LONG

EXTRA
LONG

PACKED
1 PIECE



Cutting Diameter Tolerance	
1/8" ≤ D ≤ 3/16"	+0 / -0.0015"

EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat
VGM5-0195	5/8	-	2.500	5.000	0.625	4	-
VGM5-0196	5/8	0.020	2.500	5.000	0.625	4	-
VGM5-0197	5/8	0.030	2.500	5.000	0.625	4	-
VGM5-0198	5/8	0.060	2.500	5.000	0.625	4	-
VGM5-0199	5/8	0.090	2.500	5.000	0.625	4	-
VGM5-0200	5/8	0.120	2.500	5.000	0.625	4	-
VGM5-0201	3/4	-	0.938	3.000	0.750	1.25	-
VGM5-0202	3/4	0.020	0.938	3.000	0.750	1.25	-
VGM5-0203	3/4	0.030	0.938	3.000	0.750	1.25	-
VGM5-0204	3/4	0.060	0.938	3.000	0.750	1.25	-
VGM5-0205	3/4	0.090	0.938	3.000	0.750	1.25	-
VGM5-0206	3/4	0.120	0.938	3.000	0.750	1.25	-
VGM5-0207	3/4	0.190	0.938	3.000	0.750	1.25	-
VGM5-0208	3/4	0.250	0.938	3.000	0.750	1.25	-
VGM5-0209	3/4	-	1.125	4.000	0.750	1.5	-
VGM5-0209-W	3/4	-	1.125	4.000	0.750	1.5	●
VGM5-0210	3/4	0.020	1.125	4.000	0.750	1.5	-
VGM5-0211	3/4	0.030	1.125	4.000	0.750	1.5	-
VGM5-0211-W	3/4	0.030	1.125	4.000	0.750	1.5	●
VGM5-0212	3/4	0.060	1.125	4.000	0.750	1.5	-
VGM5-0212-W	3/4	0.060	1.125	4.000	0.750	1.5	●
VGM5-0213	3/4	0.090	1.125	4.000	0.750	1.5	-
VGM5-0213-W	3/4	0.090	1.125	4.000	0.750	1.5	●
VGM5-0214	3/4	0.120	1.125	4.000	0.750	1.5	-
VGM5-0214-W	3/4	0.120	1.125	4.000	0.750	1.5	●
VGM5-0215	3/4	0.190	1.125	4.000	0.750	1.5	-
VGM5-0216	3/4	0.250	1.125	4.000	0.750	1.5	-
VGM5-0217	3/4	-	1.500	4.000	0.750	2	-
VGM5-0217-W	3/4	-	1.500	4.000	0.750	2	●
VGM5-0218	3/4	0.020	1.500	4.000	0.750	2	-
VGM5-0219	3/4	0.030	1.500	4.000	0.750	2	-
VGM5-0219-W	3/4	0.030	1.500	4.000	0.750	2	●
VGM5-0220	3/4	0.060	1.500	4.000	0.750	2	-
VGM5-0220-W	3/4	0.060	1.500	4.000	0.750	2	●
VGM5-0221	3/4	0.090	1.500	4.000	0.750	2	-
VGM5-0221-W	3/4	0.090	1.500	4.000	0.750	2	●
VGM5-0222	3/4	0.120	1.500	4.000	0.750	2	-
VGM5-0222-W	3/4	0.120	1.500	4.000	0.750	2	●
VGM5-0223	3/4	0.190	1.500	4.000	0.750	2	-
VGM5-0224	3/4	0.250	1.500	4.000	0.750	2	-
VGM5-0225	3/4	-	2.250	5.000	0.750	3	-
VGM5-0226	3/4	0.020	2.250	5.000	0.750	3	-
VGM5-0227	3/4	0.030	2.250	5.000	0.750	3	-
VGM5-0228	3/4	0.060	2.250	5.000	0.750	3	-
VGM5-0229	3/4	0.090	2.250	5.000	0.750	3	-
VGM5-0230	3/4	0.120	2.250	5.000	0.750	3	-
VGM5-0231	3/4	0.190	2.250	5.000	0.750	3	-
VGM5-0232	3/4	0.250	2.250	5.000	0.750	3	-
VGM5-0233	3/4	-	3.000	6.000	0.750	4	-
VGM5-0234	3/4	0.020	3.000	6.000	0.750	4	-
VGM5-0235	3/4	0.030	3.000	6.000	0.750	4	-
VGM5-0236	3/4	0.060	3.000	6.000	0.750	4	-
VGM5-0237	3/4	0.090	3.000	6.000	0.750	4	-
VGM5-0238	3/4	0.120	3.000	6.000	0.750	4	-
VGM5-0239	3/4	0.190	3.000	6.000	0.750	4	-
VGM5-0240	3/4	0.250	3.000	6.000	0.750	4	-
VGM5-0241	3/4	-	3.750	7.000	0.750	5	-
VGM5-0242	3/4	0.020	3.750	7.000	0.750	5	-

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





List VGM5 (Continued)

HY-PRO® CARB VGM5



NEW SIZES

SPEED FEED
1389

CARBIDE

EXO®

5 FLUTE

40°



SHANK
h6

STUB

REG

LONG

EXTRA LONG

PACKED
1 PIECE

EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	L/D Ratio	Weldon Flat	
								D (Fractional Size)
VGM5-0243	●	3/4	0.030	3.750	7.000	0.750	5	-
VGM5-0244	●	3/4	0.060	3.750	7.000	0.750	5	-
VGM5-0245	●	3/4	0.090	3.750	7.000	0.750	5	-
VGM5-0246	●	3/4	0.120	3.750	7.000	0.750	5	-
VGM5-0247	●	3/4	0.190	3.750	7.000	0.750	5	-
VGM5-0248	●	3/4	0.250	3.750	7.000	0.750	5	-
VGM5-0249	●	1	-	1.250	4.000	1.000	1.25	-
VGM5-0249-W	○	1	-	1.250	4.000	1.000	1.25	●
VGM5-0250	●	1	0.030	1.250	4.000	1.000	1.25	-
VGM5-0250-W	○	1	0.030	1.250	4.000	1.000	1.25	●
VGM5-0251	●	1	0.060	1.250	4.000	1.000	1.25	-
VGM5-0251-W	○	1	0.060	1.250	4.000	1.000	1.25	●
VGM5-0252	●	1	0.090	1.250	4.000	1.000	1.25	-
VGM5-0252-W	○	1	0.090	1.250	4.000	1.000	1.25	●
VGM5-0253	○	1	0.120	1.250	4.000	1.000	1.25	-
VGM5-0253-W	○	1	0.120	1.250	4.000	1.000	1.25	●
VGM5-0254	○	1	0.190	1.250	4.000	1.000	1.25	-
VGM5-0255	●	1	0.250	1.250	4.000	1.000	1.25	-
VGM5-0256	●	1	-	2.000	5.000	1.000	2	-
VGM5-0256-W	○	1	-	2.000	5.000	1.000	2	●
VGM5-0257	●	1	0.030	2.000	5.000	1.000	2	-
VGM5-0257-W	○	1	0.030	2.000	5.000	1.000	2	●
VGM5-0258	●	1	0.060	2.000	5.000	1.000	2	-
VGM5-0258-W	○	1	0.060	2.000	5.000	1.000	2	●
VGM5-0259	●	1	0.090	2.000	5.000	1.000	2	-
VGM5-0259-W	○	1	0.090	2.000	5.000	1.000	2	●
VGM5-0260	●	1	0.120	2.000	5.000	1.000	2	-
VGM5-0260-W	○	1	0.120	2.000	5.000	1.000	2	●
VGM5-0261	●	1	0.190	2.000	5.000	1.000	2	-
VGM5-0262	●	1	0.250	2.000	5.000	1.000	2	-
VGM5-0263	●	1	-	3.000	6.000	1.000	3	-
VGM5-0264	○	1	0.030	3.000	6.000	1.000	3	-
VGM5-0265	●	1	0.060	3.000	6.000	1.000	3	-
VGM5-0266	○	1	0.090	3.000	6.000	1.000	3	-
VGM5-0267	○	1	0.120	3.000	6.000	1.000	3	-
VGM5-0268	○	1	0.190	3.000	6.000	1.000	3	-
VGM5-0269	●	1	0.250	3.000	6.000	1.000	3	-
VGM5-0270	●	1	-	4.000	7.000	1.000	4	-
VGM5-0271	●	1	0.030	4.000	7.000	1.000	4	-
VGM5-0272	●	1	0.060	4.000	7.000	1.000	4	-
VGM5-0273	○	1	0.090	4.000	7.000	1.000	4	-
VGM5-0274	○	1	0.120	4.000	7.000	1.000	4	-
VGM5-0275	●	1	0.190	4.000	7.000	1.000	4	-
VGM5-0276	○	1	0.250	4.000	7.000	1.000	4	-

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



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



ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX