

**NEW**  
NO RADIUS OPTION

**MVH SERIES - VARIABLE HELIX**  
4 FLUTES, ALL LENGTHS, WITH RADIUS & **NEW** NO RADIUS



- ▶ Helix changes along flutes.
- ▶ Increased stability during cutting action.
- ▶ Substantial increases in speed.
- ▶ Small corner radius for added strength and smoother cutting action.
- ▶ AlTiN coated for improved tool life and increased production output.
- ▶ 3/8" and larger available with shank flat
- ▶ Made from premium submicron grain carbide.

Tolerance +.000/- .002

WITH RADIUS			NO RADIUS		LENGTH	SIZE	SHANK	LOC	OAL
TOOL	EDP	RADIUS	TOOL	EDP					
VHMGS-404	12176	.010-.015	-	-	STUB	1/8	1/8	1/2	1-1/2
VHMG-404	10813	.010-.015	VHMG-404-NR	10590	STD	1/8	1/8	1/2	1-1-2
VHMGS-606	12375	.015-.020	-	-	STUB	3/16	3/16	3/8	1-1/2
VHMG-606	10981	.015-.020	VHMG-606-NR	10592	STD	3/16	3/16	5/8	2
VHMGS-808	10003	.015-.020	VHMGS-808-NR	10594	STUB	1/4	1/4	1/2	2
VHMG-808	10005	.015-.020	VHMG-808-NR	10596	STD	1/4	1/4	3/4	2-1/2
VHMG-808-L	10007	.015-.020	VHMG-808-L-NR	10598	LONG	1/4	1/4	1-1/8	3
VHMGS-1010	10009	.015-.020	VHMGS-1010-NR	16000	STUB	5/16	5/16	1/2	2
VHMG-1010	10011	.015-.020	VHMG-1010-NR	10602	STD	5/16	5/16	13/16	2-1/2
VHMG-1010-L	10013	.015-.020	VHMG-1010-L-NR	10604	LONG	5/16	5/16	1-1/8	3
VHMGS-1212	10015	.015-.020	VHMGS-1212-NR	10606	STUB	3/8	3/8	5/8	2
VHMG-1212	10017	.015-.020	VHMG-1212-NR	10608	STD	3/8	3/8	1	2-1/2
VHMG-1212-L	10019	.015-.020	VHMG-1212-L-NR	10609	LONG	3/8	3/8	1-1/8	3
VHMG-1414	10021	.015-.020	VHMG-1414-NR	10610	STD	7/16	7/16	1	2-3/4
VHMGS-1616	10023	.025-.030	VHMGS-1616-NR	10612	STUB	1/2	1/2	5/8	2-1/2
VHMG-1616	10025	.025-.030	VHMG-1616-NR	10642	STD	1/2	1/2	1	3
VHMG-1616-M	12371	.025-.030	VHMG-1616-M-NR	12051	MED	1/2	1/2	1-1/4	3
VHMG-1616-L	10027	.025-.030	VHMG-1616-L-NR	10644	LONG	1/2	1/2	2	4
VHMGS-2020	10029	.030-.035	VHMGS-2020-NR	10688	STUB	5/8	5/8	3/4	3
VHMG-2020	10031	.030-.035	VHMG-2020-NR	10692	STD	5/8	5/8	1-1/4	3-1/2
VHMG-2020-L	10033	.030-.035	VHMG-2020-L-NR	10696	LONG	5/8	5/8	2-1/4	5
VHMGS-2424	10035	.030-.035	VHMGS-2424-NR	10706	STUB	3/4	3/4	1	3
VHMG-2424	10037	.030-.035	VHMG-2424-NR	10714	STD	3/4	3/4	1-1/2	4
VHMG-2424-L	10039	.030-.035	-	-	LONG	3/4	3/4	2-1/4	5
VHMG-3232	10985	.030-.035	VHMG-3232-NR	10720	STD	1	1	1-1/2	4
VHMG-3232-L	13049	.030-.035	-	-	LONG	1	1	2-1/4	5
VHMG-4040	13051	.030-.035	-	-	STD	1-1/4	1-1/4	2-1/4	5

Also available with nACo coating for use with hardened steel.  
Call for details.



**VARIABLE HELIX BALL END**  
4 FLUTES



TOOL	EDP	SIZE	SHANK	LOC	OAL
VHMG-808-B	12279	1/4	1/4	3/4	2-1/2
VHMG-1010-B	12297	5/16	5/16	13/16	2-1/2
VHMG-1212-B	12298	3/8	1/4	3/4	2-1/2
VHMG-1616-B	12299	1/2	1/2	1	3
VHMG-2020-B	12300	5/8	5/8	1-1/4	3-1/2
VHMG-2424-B	12301	3/4	3/4	1-1/2	4

- ▶ Helix changes along flutes.
- ▶ For radius and contouring part surfaces.
- ▶ AlTiN coated for improved tool life and increased production output.
- ▶ Made from premium submicron grain carbide.

HIGH PERFORMANCE CARBIDE END MILLS

