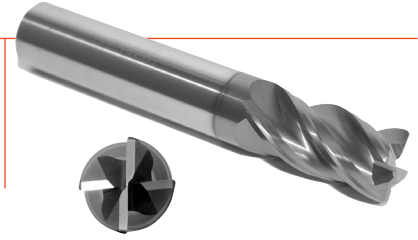


# MICRO 100<sup>®</sup>

## super carbide

# the V-HEMOTH CARBIDE END-MILLS

- Variable pitch
- High production / high speed milling
- Excellent surface finishes
- Eliminates chatter
- Reduces machine vibration
- Eccentric grind for better edge strength
- Corner radius as standard
- All tools 3/8" and up have Weldon flats



### END MILLS | AITiN Coated

**MADE IN THE USA**

PART NUMBER	CUTTER DIAMETER	SHANK DIAMETER	OVERALL LENGTH	FLUTE LENGTH	CORNER RADIUS	PRICE EACH
VHM-125-4X	1/8	1/8	1-1/2	1/2	0.010	\$14.80
VHM-187-4X	3/16	3/16	2	5/8	0.010	\$22.85
VHM-250-4X	1/4	1/4	2-1/2	3/4	0.020	\$27.70
VHM-312-4X	5/16	5/16	2-1/2	13/16	0.020	\$33.70
VHM-375-4X	3/8	3/8	2-1/2	3/4	0.020	\$37.40
VHM-437-4X	7/16	7/16	2-1/2	1	0.020	\$56.45
VHM-500-4X	1/2	1/2	3	1	0.030	\$61.75
VHM-625-4X	5/8	5/8	3-1/2	1-1/4	0.030	\$112.65
VHM-750-4X	3/4	3/4	4	1-1/2	0.030	\$167.70
VHM-001-4X	1	1	4	1-1/2	0.030	\$252.95

### LONG LENGTH END MILLS | AITiN Coated

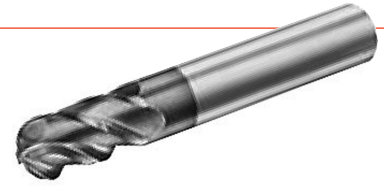
PART NUMBER	CUTTER DIAMETER	SHANK DIAMETER	OVERALL LENGTH	FLUTE LENGTH	CORNER RADIUS	PRICE EACH
VLM-187-4X	3/16	3/16	2-1/2	3/4	0.010	\$29.20
VLM-250-4X	1/4	1/4	3	1-1/8	0.020	\$34.25
VLM-312-4X	5/16	5/16	3	1-1/8	0.020	\$39.30
VLM-375-4X	3/8	3/8	3	1-1/4	0.020	\$46.15
VLM-437-4X	7/16	7/16	4-1/2	2	0.020	\$74.60
VLM-500-4X	1/2	1/2	4-1/2	2-1/4	0.030	\$80.80
VLM-625-4X	5/8	5/8	5	2-1/4	0.030	\$140.65
VLM-750-4X	3/4	3/4	5	2-1/2	0.030	\$210.40
VLM-001-4X	1	1	4	2-1/2	0.030	\$317.65

### EXTRA-LONG LENGTH END MILLS | AITiN Coated



Reduced neck diameter  
.020" on all sizes

PART NUMBER	CUTTER DIAMETER D <sup>1</sup>	SHANK DIAMETER D <sup>2</sup>	OVERALL LENGTH L <sup>1</sup>	FLUTE LENGTH L <sup>2</sup>	REDUCED NECK L <sup>3</sup>	CORNER RADIUS	PRICE EACH
VLR-187-4X	3/16	3/16	3	3/8	2	0.010	\$33.75
VLR-250-4X	1/4	1/4	4	1/2	2-1/2	0.020	\$46.25
VLR-312-4X	5/16	5/16	4	5/8	2-5/8	0.020	\$52.10
VLR-375-4X	3/8	3/8	4	3/4	2-3/4	0.020	\$67.95
VLR-437-4X	7/16	7/16	6	1	4-1/2	0.020	\$79.70
VLR-500-4X	1/2	1/2	6	1	4-1/2	0.030	\$117.10
VLR-625-4X	5/8	5/8	6	1-1/4	4-1/2	0.030	\$203.65
VLR-750-4X	3/4	3/4	6	1-1/2	4-1/2	0.030	\$230.50
VLR-001-4X	1	1	6	1-1/2	4-1/2	0.030	\$344.00



### BALL NOSE END MILLS | AITiN Coated

PART NUMBER	CUTTER DIA.	SHANK DIA.	OVERALL LENGTH	FLUTE LENGTH	PRICE EACH
VHB-125-4X	1/8	1/8	1-1/2	1/2	\$14.80
VHB-187-4X	3/16	3/16	2	5/8	\$22.85
VHB-250-4X	1/4	1/4	2-1/2	3/4	\$27.70
VHB-312-4X	5/16	5/16	2-1/2	13/16	\$33.70
VHB-375-4X	3/8	3/8	2-1/2	3/4	\$37.40
VHB-500-4X	1/2	1/2	3	1	\$61.75
VHB-625-4X	5/8	5/8	3-1/2	1-1/4	\$112.65
VHB-750-4X	3/4	3/4	4	1-1/2	\$167.70
VHB-001-4X	1	1	4	1-1/2	\$252.95

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### BALL NOSE, LONG REACH END MILLS | AITiN Coated

PART NUMBER	CUTTER DIA.	SHANK DIA.	OVERALL LENGTH	FLUTE LENGTH	REDUCED NECK	PRICE EACH
VLB-187-4X	3/16	3/16	3	3/8	2	\$33.75
VLB-250-4X	1/4	1/4	4	1/2	2-1/2	\$46.25
VLB-312-4X	5/16	5/16	4	5/8	2-5/5	\$52.10
VLB-375-4X	3/8	3/8	4	3/4	2-3/4	\$67.95
VLB-437-4X	7/16	7/16	6	1	4-1/2	\$79.70
VLB-500-4X	1/2	1/2	6	1	4-1/2	\$117.10
VLB-625-4X	5/8	5/8	6	1-1/4	4-1/2	\$203.65
VLB-750-4X	3/4	3/4	6	1-1/2	4-1/2	\$230.50
VLB-001-4X	1	1	6	1-1/2	4-1/2	\$344.00

**MADE IN THE USA**

### SPEED & FEED SUGGESTED STARTING POINTS To achieve optimum results, variations may be necessary.

MATERIAL	TYPE OF CUT	SPEED (sfm)	FEED (mm per tooth)				
			1/8	1/4	3/8	1/2	3/4
Steel, Low Carbon	Slotting	350 - 500	.0008	.0016	.0025	.0032	.0050
	Roughing	425 - 600	.0010	.0020	.0030	.0040	.0060
Steel, Alloy	Slotting	250 - 350	.0005	.0012	.0018	.0024	.0036
	Roughing	300 - 400	.0008	.0018	.0024	.0036	.0052
Stainless Steel, Soft	Slotting	260 - 325	.0006	.0012	.0018	.0024	.0036
	Roughing	300 - 375	.0008	.0016	.0024	.0032	.0048
Stainless Steel, Hard	Slotting	220 - 275	.0004	.0008	.0012	.0018	.0026
	Roughing	275 - 350	.0005	.0010	.0016	.0024	.0034
Titanium Alloys	Slotting	140 - 220	.0005	.0010	.0016	.0020	.0030
	Roughing	160 - 300	.0006	.0012	.0018	.0024	.0036
High Temp Alloys	Slotting	60 - 80	.0004	.0008	.0012	.0016	.0024
	Roughing	60 - 100	.0005	.0009	.0014	.0018	.0028

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