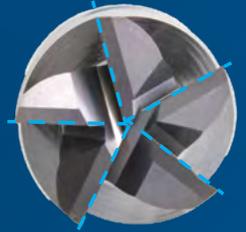




HY-PRO® CARB VGM End Mill Series

Target End Markets

Job Shop • General Machining



VGM: High-Performance Variable Geometry End Mills

OSG's HY-PRO® CARB VGM is a high-performance variable geometry end mill series. Its variable index and unique flute geometry enable the reduction of vibration and chatter, promoting smooth and stable cutting with low cutting forces. With the addition of OSG proprietary multi-layer EXO coating, higher wear and heat resistance is achieved to prolong tool life.

Stable Performance in Stainless Steel

Work Material

304 Stainless Steel

Milling Method

Side Milling

Cutting Speed

250 SFM (1,910 RPM)

Feed

33.4 IPM (0.0035 IPT)

Depth of Cut

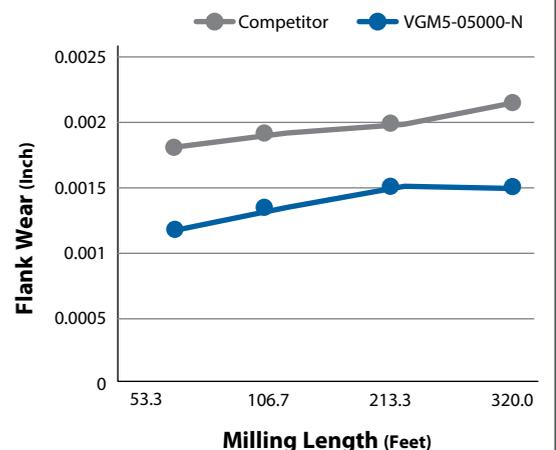
Aa=1.2", Ar=0.05"

Coolant

Water-Soluble

Machine

Vertical Machining Center (CAT50)



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Available
Today At





HY-PRO® CARB VGM End Mill Series



Features & Benefits

- 1 **Variable Index** reduces vibration during machining.
- 2 **Unique Flute Geometry** maintains excellent cutting edge sharpness and tool rigidity.
- 3 **EXO Coating** provides longer tool life through exceptional wear and heat resistance.
- 4 **Chipbreaker (-NIK)** creates small manageable chips.

List Numbers

Size Range

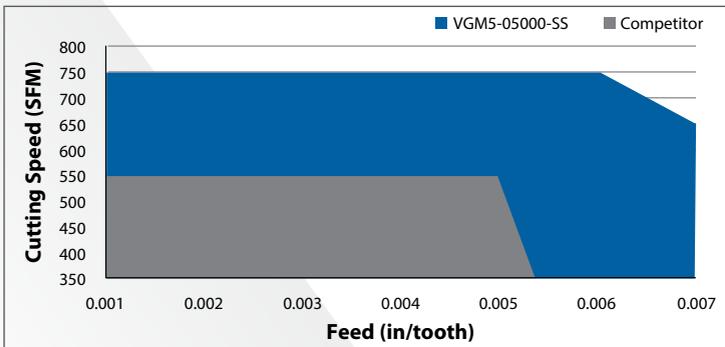
VGM5 - HY-PRO® CARB VGM5 (Inch)	1/8"-1"
VGM5-NIK - HY-PRO® CARB VGM5-NIK (Inch)	1/8"-1"
VGM5-LN - HY-PRO® CARB VGM5-NIK (Inch)	1/8"-1"
VGM6 - HY-PRO® CARB VGM6 (Inch)	1/4"-1"
VGM7 - HY-PRO® CARB VGM7 (Inch)	1/4"-1"
VGM7-NIK - HY-PRO® CARB VGM7-NIK (Inch)	1/4"-1"

MSC Item Number	OSG Item Number	Brand	List Name	OSG List Number	Units	Product Name
13850698	VGM5-0031	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-01875-R
13852439	VGM5-0102	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-03750-M
13852512	VGM5-0108	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-03750-R
13844881	VGM5-0125	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-05000CR0.03-SS
13844659	VGM5-0150	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-05000CR0.03-R
13851555	VGM5-0155	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-05000-L
13847827	VGM5-0161	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-05000CR0.01-XL
13851282	VGM5-0256	HY-PRO® CARB	VGM5	VGM5	Inch	VGM5-010000-M
13848312	VGM6-0062	HY-PRO® CARB	VGM6	VGM6	Inch	VGM6-05000CR0.03-SS
13850656	VGM7-0078	HY-PRO® CARB	VGM7	VGM7	Inch	VGM7-06250-N

Full offering available on mscdirect.com/osg

Stable Performance in a Wide Range of Conditions

1045 Medium Carbon Steel



Tool Size

1/2"

Milling Method

Side Milling

Depth of Cut

Aa=0.625", Ar=0.15"

Coolant

Water-Soluble

Machine

VMC (CAT50)



Target End Markets

Job Shop
General Machining

Materials

Steel • Stainless Steel • Cast Iron • Titanium
Inconel • Hardened Steel up to 45HRC

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