

Milling

## **OSG HY-PRO® CARB VGM3-AL**

Brought To You by OSG | Jun 03, 2024

**High Performance Variable Geometry End Mills**

*For High-Speed Machining in Aluminum and Nonferrous Materials*

### **PRIMARY TARGETS**

- Customers who are machining aluminum and other non-ferrous materials.
- For high speed roughing and finishing.

### **SOLUTIONS**

- Stable, high efficiency milling.
- Reduced chatter & vibration.
- Faster part entry by plunging.

### **WHAT OUR CUSTOMERS SEE**

- Increased metal removal rates, better machining quality, and reduced cycle times.

### **HOW DOES IT WORK?**

#### **Center Cutting**

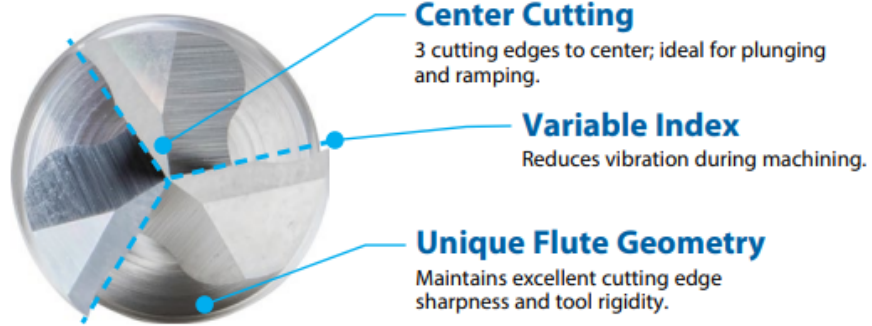
- Ramping & plunging support improved part entry tool paths to shorten cycle times.

#### **Unique Flute Geometry**

- The flute shape creates excellent chip shape for easy evacuation.

## Variable Index and Helix

- Anti-vibration geometry increases milling stability and reduces cycle time.



## Center Cutting

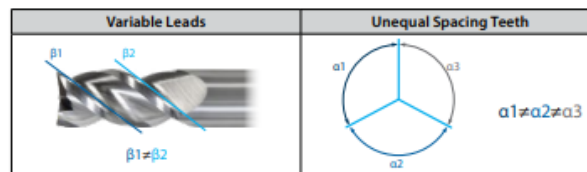
For High Speed Milling and Faster Part Entry

The cutting load is equalized among the cutting edges with greater stability to enable high speed milling. Highly effective for plunging and ramping.

## Variable Index and Helix

Stable and High Efficiency Milling

Stable and high efficiency milling is made possible by the suppression of vibration and chattering.



## VGM3-AL Size Offering

3-Flute Lineup

OSG's VGM3-AL is the newest 3-Flute addition to the VGM Series. Available with multiple lengths of cut, with both square and corner radius variations.

Name	No. of Flutes	End Cut Type	Reduced Neck	LOC	Neck Length	Total # of EDPs
VGM3-AL	3	SQ & CR	N/A	2 to 3xD	-	54

*Previously Featured on OSG's website.*

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