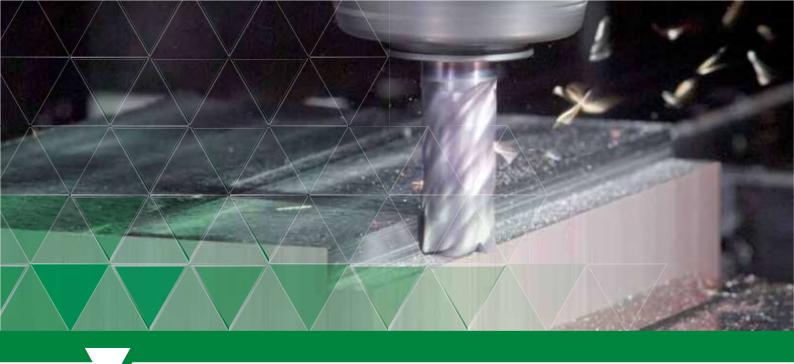


## 2017 Master Catalog

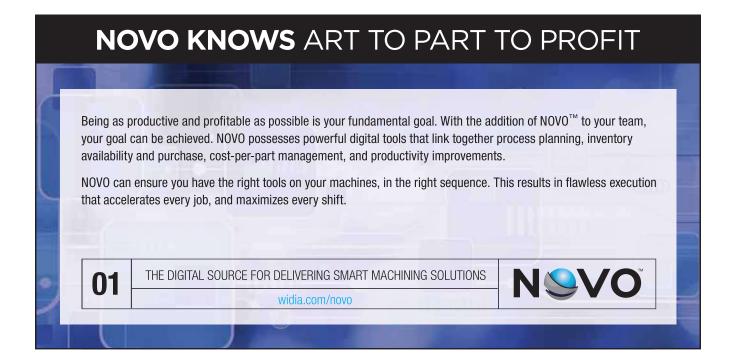




### **Solid Carbide End Mills**

WIDIA<sup>™</sup> offers a complete line of 3-flute general-purpose solid carbide end mill tools

General purpose offers plunging, slotting, and profiling for a wide range of materials and applications. Designed to provide high Metal Removal Rates (MRR) and excellent surface conditions at economic pricing. For a complete line of comprehensive tools, visit **widia.com**.



# WIDIA-Hanita™ Means Quality



WIDIA-Hanita<sup>™</sup> solid carbide end mill products have a strong history of providing revolutionary and innovative solutions for your most extreme solid end milling challenges.



## EXTREME **CHALLENGES.** EXTREME **RESULTS.**

As an industry-leading manufacturer of carbide round tools, WIDIA-Hanita<sup>™</sup> offers a complete portfolio of precision-engineered products with solutions for a wide range of workpiece materials at **widia.com**.

#### The VariMill<sup>™</sup> line offers superior performance high-speed machining.

- The versatile 2- and 4-flute general-purpose line, VariMill<sup>™</sup> GP, is ideal for a wide range of materials.
- The 4-flute VariMill I<sup>™</sup> offers plunging, slotting, and profiling at the highest possible feed rates for a wide range of materials.
- The 5-flute VariMill II<sup>™</sup> end mills are the proven leader in the field of high-performance, chatter-free machining.
- The 5-flute VariMill II<sup>™</sup> ER end mills are specifically designed for machining high-performance aerospace materials.
- The 7-flute VariMill III<sup>™</sup> ER high-performance tool has true finishing capabilities for walls and floors.

