

AERO-TECH / GH 100 U

high-performance end mills

The new design Guhring GH 100 U end mills offer the ultimate pre-requisite for a cost-efficient, optimal machining of general steels, high-alloyed steels, CrNi steels as well as stainless steels and titanium-alloys up to 50 HRC.

All GH 100 U end mills excel thanks to their micro-corner protection combined with a reinforced and corrected minor cutting edge. This design considerably reduces the wear at the cutting edges allowing a higher feed rate as well as improved tool life.

Micro-corner protection and corrected reinforced cutting edge = optimal stability



GH 100 U end mills (3-fluted) excel further thanks to their optimized flute geometry, achieving ultimate machining efficiency especially for slot milling and roughing operations. Paired with a very high spiral, optimal chip evacuation is achieved while reducing vibration. The advantages:

- reduced wear
- high feed rates possible
- optimal chip evacuation
- can be applied for roughing and finishing



Material	Alloyed Steel		Tool Steel		Cast iron		Stainless steel		Aluminium		Ti-special alloys		H	
	up to 28Hrc	over 28 Hrc	up to 180 HB 30	over 180 HB 30	up to 28 Hrc	over 28 Hrc	up to 3% Si	over 3% Si	Ti-based	Ni-based	up to 52 HRC	over 52 HRC		
Aero-Tech	○	●	○	●	○	●	○	●	○	○	○	○		
Alumi-Tech	○							●	●					
Rough-Tech ALU	○							●	●					
Aero-Rough 48	●	●	●	○	●	○	○	○	○	○	○			
Aero-Rough 56	○	●	●	●	○	○				●	○	●	○	
Rough-Tech 48	●	●	●	○	●	○	○	○	○	○	○			
Rough-Tech 56	○	●	●	●					○	●	●	○		
Finish-Tech 50	○	●	●	●	●	●	○	●	●	●	●	●		
Finish-Tech 62			○	●						○	●	●		
GF 500	○	●	●	●	○	○			●	●	●			
GF 300		○	○	●					○	○	●	●		
Uni-Pro (all)	●	○	●	○	○	●	●	○	○	●				

● = optimal suitability

○ = limited suitability