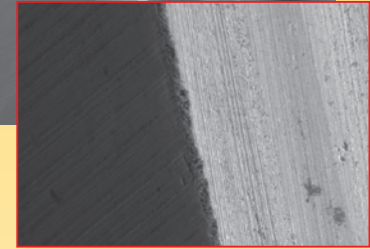
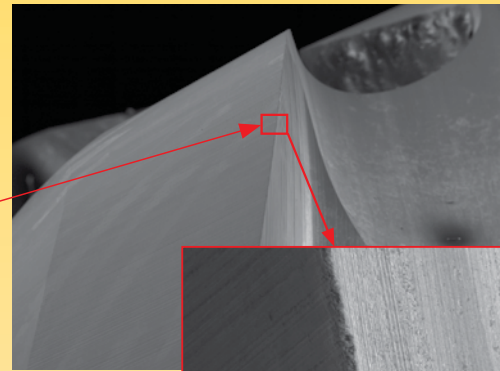
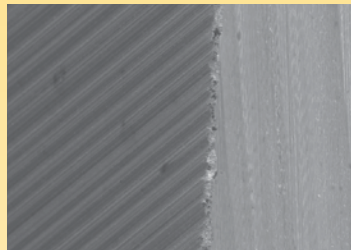


For highest accuracy in the mold and die industry

GF 500 milling cutters benefit from considerably smoother cutting edges and flutes produced by a completely new grinding process. It results in a reduction in crumbling of the cutting edges and therefore increases tool life. In addition, wear is extremely even, allowing more economical and frequent regrinding of the tools and providing further cost advantages.

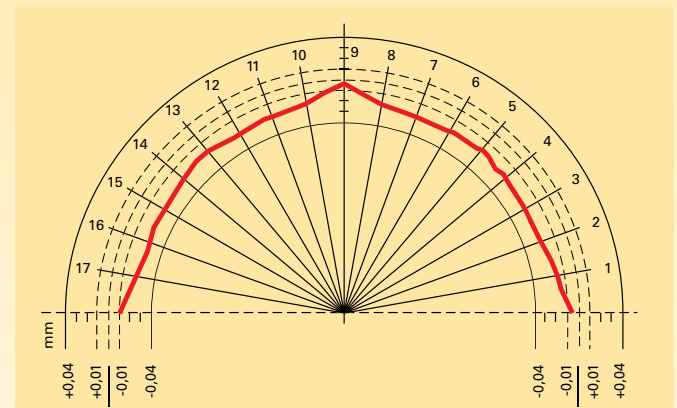


GF 500 cutting edge, produced with the new Guhring grinding process

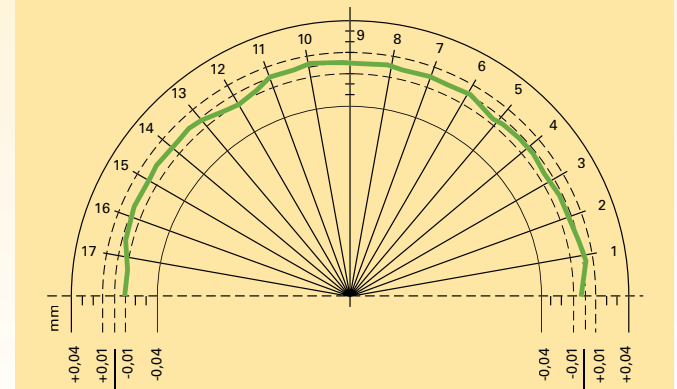


Cutting edge of the competitor tool, produced by conventional grinding process

As well as high Surface finish qualities, close radius tolerances are achieved. Subsequently, GF 500 milling cutters offer very high form accuracy as well as considerable tool life increases up to 60 % in comparison to conventional tools.



Radius accuracy of competitor tool
(+/- 0.05 mm, +/-0.002")



GF 500 radius tolerance
(+/- 0.01 mm, +/-0.0004")

Material	Allayed Steel	Tool Steel	Cast iron	Stainless steel	Aluminium	Ti-special alloys	H
Hardness tensile strength	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
GF 300		○	○	●		○	○

● = optimal suitability

○ = limited suitability