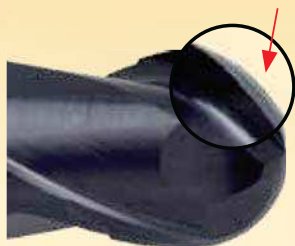


# GF 300 B and GF 300 T: Ball nose and Torus end mills for high performance milling in materials < 62 HRC



Reduced neck ground for collision reduction

High wear protection thanks to radius geometry with constant rake angle and continuous spiral.

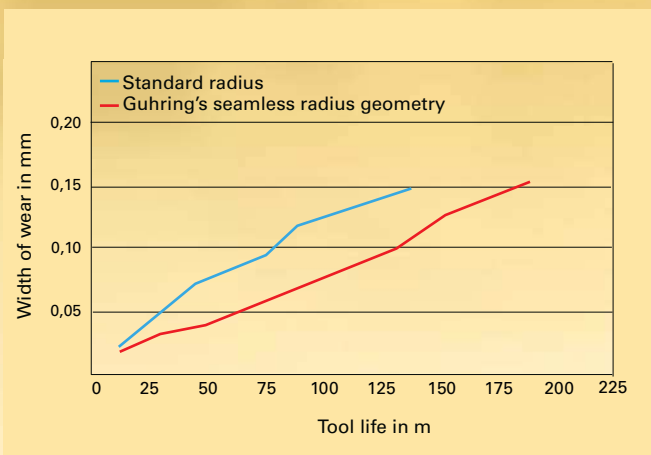


Seamless radius area provides high form and contour accuracy.

The die and mold industry places ever higher demands on milling cutters – primarily with regard to accuracy and tool life. Therefore, Guhring’s cutting tool program now includes radius milling cutters that are perfectly adapted to satisfy these demands and provide optimal machining results thanks to application orientated geometries, carbide grades and coatings. The advantages are especially high form and contour accuracy of the workpiece, minimal wear and therefore excellent tool life.

**The special features of Guhring’s ball nose milling cutters are:**

- outside diameter and the radius is ground in one-pass
- radius point geometry with constant helix-radius-correction
- reduced neck ground for collision reduction with protruding edges



Wear comparison: Guhring’s seamless radius geometry reduces wear and provides a considerably longer tool life in comparison with tools ground with conventional full radius.

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
GF 500	○	●	●	●	○	○			●	●	●	
GF 300		○	○	●					○	○	●	●

● = optimal suitability      ○ = limited suitability