Innovations Solid Carbide End Mills 2007



- **☉** FGT BALL NOSE- AND CORNER RADIUS END MILLS
- ➡ FGT BALL NOSE- AND CORNER RADIUS END MILLS with working depths
- ➡ FGT BALL NOSE- AND CORNER RADIUS END MILLS
 PVDiaG-diamond coated
- ⊖ SOLID CARBIDE TRIGAWORX® END MILLS supplements



















General information

FGT BALL NOSE- AND CORNER RADIUS END MILLS:

- new cutting edge geometry
- new shank-recess system in case
- d1 is smaller than d2
- new coating PVTiH
- modified ultra-micrograin carbide
- reduced tolerances on cutting edges
 r = +/- 0,005

FGT BALL NOSE- AND CORNER RADIUS END MILLS with working depths:

- new cutting edge geometry
- new shank-recess system in case
- d1 is smaller than d2
- new coating PVTiH
- modified ultra-micrograin carbide
- reduced tolerances on cutting edges
 r = +/- 0,005
- working depth available up to 20 x d1

FGT BALL NOSE- AND CORNER RADIUS END MILLS PVDiaG-diamond coated:

- new cutting edge geometry
- new shank-recess system in case
- d1 is smaller than d2
- new coating PVDiaG
- reduced tolerances on cutting edges

SOLID CARBIDE TRGAWORX® -END MILLS supplements

- standard and long series
- with and without internal cooling
- supplementary diameters:
 - 3 mm Ø
 - 4 mm Ø
 - 5 mm Ø
- special end teeth geometry

Advantages and range of applications

FGT BALL NOSE- AND CORNER RADIUS END MILLS:

- significant improved tool life
- increased rigidity
- increased reach for milling deep ribs and contours
- supplementary to our existing ranges: 1222/1232/1322 56 and 1312/1313 59 0332/0362 56
- for 3-D-milling of tool steels from
 40 42 HRC up to 54 56 HRC and
- quenched and tempered steel

FGT BALL NOSE- AND CORNER RADIUS END MILLS with working depths:

- significant improved tool life
- increased rigidity
- reduction of vibrations
- Longer effective reach length
- Designed for application of cutting deep ribs, corners and precision parts: tool steels from 40 - 42 HRC up to 54 - 56 HRC
- quenched and tempered steel

FGT BALL NOSE- AND CORNER RADIUS END MILLS PVDiaG-diamond coated:

- universal application for milling
- graphite- or copper electrodes and several titanium alloys
- clean and extremely accurate surfaces

SOLID CARBIDE TRGAWORX[®] -END MILLS supplements

- high feed milling also in shallow contours
- for 2-D- and 3-D milling
- extremely quiet running
- for roughing operations in tool steels: quenched and temperated steels hardened steels

