

SC HPC torus milling cutter

4 cutters, ULTRA MS-coated

ATORN[®]



Application

HPC torus milling cutter with an unequal twist and unequal pitch for smoothing and rough machining stainless steels and titanium, Ni and Co alloys. The unequal twist angle prevents vibration on the tool, thereby ensuring excellent finishing surfaces as well as higher feed rates and greater cutting depths.

Version

- Ultra-fine grain cemented carbide
- HB straight shank
- With clearance
- ULTRA MS high-performance coating
- Defined cutting edge rounding
- Centre cutting

Advantage

- Rough machining and smoothing with a single tool
- Ideal for trochoidal milling
- HPC geometry for optimum feed rates and running smoothness
- Suitable for large cutting depths

| Application | Steel (N/mm ²) | | | Stainless steel | | Alu | | Brass | | Bronze | | Plas-tics | Graphite G(C)FK | GG(G) GjMW | Titan-alloy | Nickel-alloy | Super-alloy | Hard mat. | |
|-------------|----------------------------|-------|-------|-----------------|---------|-------|------|-------|------|--------|------|-----------|-----------------|------------|-------------|--------------|-------------|-----------|---------|
| | <700 | <1000 | <1300 | marten. | austen. | short | long | short | long | short | long | | | | | | | <55 HRC | <65 HRC |
| | 140 | 130 | | 70 | 60 | | | | | | | | | | 70 | 60 | 70 | | |

| | |
|--------------------------------|-------------------|
| Art. no. | 16672 180 |
| Cutting material | VHM |
| Surface | ULTRA MS |
| Type | VA |
| Number of cutting edges | 4 PCS |
| Twist angle | 35°, 38° |
| Tool holding device | HB parallel shank |
| Overall length | Normal |
| Cutting edge diameter | 12 mm |
| Cutting edge length | 26 mm |
| Clearance length | 37 mm |
| Length | 83 mm |
| Clearance diameter | 11 mm |
| Shaft diameter | 12 mm |
| Edge radius | 2 mm |
| fz stainless steel | 0.045 mm |

EAN-Code

4050293360165