

Garant
Solid carbide side milling cutter HPC, TiAlN, $\varnothing \times \text{width} \pm 0.1 \times k11$: 50X3 mm

Order data

Order number	185010 50X3
GTIN	4045197366962
Item class	11V

Description
Version:

Precision solid carbide side milling cutters in the HPC machining range.

Use as a set: Cutters with the same \varnothing and same number of teeth can be combined as a set and adjusted to the required width. Since the cutters have no raised bore collar, the staggered teeth mesh with each other.

2-piece sets are particularly economical. By reversing the side milling cutters, both side edges of each cutter can be used.

Note:

- **Do not clamp the cutters in a set without a sufficiently thick arbor spacer ring, otherwise the cutters will be damaged.**
- **See Group 30 for suitable arbor spacer rings.**
- **Slots milled from solid: f_z for $a_e = 0.1 \times D$.**

Bore \varnothing H6 d_1 : 16 mm

No. of teeth Z: 14

Collar thickness $b \pm 0.1$: 1.9 mm

Collar \varnothing $d_2 \pm 1$: 34 mm

Tooth height Z_h : 8 mm

Capability of combining 2 cutters of the same width A/B: 3 mm

Technical description

Collar thickness $b \pm 0.1$	1.9 mm
Bore $\varnothing H6 d_1$	16 mm
Tooth height Z_h	8 mm
Capability of combining 2 cutters of the same width A/B	3 mm
Capability of combining 2 cutters of different width A	3 mm
Capability of combining 2 cutters of different width, results in overall width E	6.6 - 6.8 mm
Feed f_z in steel $< 900 \text{ N/mm}^2$	0.04 mm
Capability of combining 2 cutters of different width B	4 mm
No. of teeth Z	14
Capability of combining 2 cutters of the same width, results in overall width E	5.7 - 5.8 mm
Cutting width	3 mm
Cutting edge $\varnothing D_c$	50 mm
Collar $\varnothing d_2 \pm 1$	34 mm
Shank type	with bore
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 885 A
Type	N
Tolerance nominal \varnothing	± 0.1
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Machining strategy	HPC
Through-coolant	no
Colour ring	without
Type of product	Side milling cutter

