### ·ℏ· Hoffmann Group

### Garant

## Solid carbide side milling cutter HPC, TiAlN, Ø×width ± 0.1×k11: 50X5 mm

## Order data

| Order number | 185010 50X5 |
| --- | --- |
| GTIN | 4045197366986 |
| Item class | 11V |

## Description

**Version:**
**Precision solid carbide side milling cutters** in the HPC machining range.
**Use as a set:** Cutters with the same Ø 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 $a_e = 0.1×D$.**
Bore Ø H6 $d_1$: 16 mm
No. of teeth Z: 14
Collar thickness b ±0.1: 3.2 mm
Collar Ø $d_2$ ±1: 34 mm
Tooth height Zh: 8 mm
Capability of combining 2 cutters of the same width A/B: 5 mm

## Technical description

| | |
|---|---|
| No. of teeth Z | 14 |
| Cutting width | 5 mm |
| Feed $f_z$ in steel < 900 N/mm$^2$ | 0.04 mm |
| Tooth height Zh | 8 mm |
| Collar Ø $d_2$ ±1 | 34 mm |
| Bore Ø H6 $d_1$ | 16 mm |
| Collar thickness b ±0.1 | 3.2 mm |
| Capability of combining 2 cutters of different width A | 5 mm |
| Capability of combining 2 cutters of the same width A/B | 5 mm |
| Capability of combining 2 cutters of different width, results in overall width E | 10.1 - 10.8 mm |
| Capability of combining 2 cutters of the same width, results in overall width E | 9.1 - 9.8 mm |
| Cutting edge Ø $D_c$ | 50 mm |
| Capability of combining 2 cutters of different width B | 6 mm |
| Shank type | with bore |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 885 A |
| Type | N |
| Tolerance nominal Ø | ± 0.1 |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1×D |
| Machining strategy | HPC |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Side milling cutter |