

**Garant**
**Solid carbide side milling cutter HPC, TiAlN,  $\varnothing \times \text{width} \pm 0.1 \times k11$ : 80X4 mm**

**Order data**

Order number	185010 80X4
GTIN	4045197367099
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  $d_1$ : 27 mm

No. of teeth Z: 22

Collar thickness  $b \pm 0.1$ : 2.3 mm

Collar  $\varnothing$   $d_2 \pm 1$ : 50 mm

Tooth height  $Z_h$ : 15 mm

Capability of combining 2 cutters of the same width A/B: 4 mm

## Technical description

Capability of combining 2 cutters of the same width A/B	4 mm
Bore $\varnothing$ H6 d <sub>1</sub>	27 mm
Capability of combining 2 cutters of different width A	4 mm
Capability of combining 2 cutters of different width B	5 mm
Cutting width	4 mm
Collar $\varnothing$ d <sub>2</sub> ±1	50 mm
Cutting edge $\varnothing$ D <sub>c</sub>	80 mm
Capability of combining 2 cutters of different width, results in overall width E	8.1 - 8.8 mm
Tooth height Zh	15 mm
No. of teeth Z	22
Collar thickness b ±0.1	2.3 mm
Feed f <sub>z</sub> in steel < 900 N/mm <sup>2</sup>	0.045 mm
Capability of combining 2 cutters of the same width, results in overall width E	7.3 - 7.8 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 <sub>e</sub> for milling operation	Full slot cutting depth 1×D
Machining strategy	HPC
Through-coolant	no
Colour ring	without
Type of product	Side milling cutter

