

Garant**Solid carbide side milling cutter HPC, TiAlN, $\varnothing \times \text{width} \pm 0.1 \times k11$: 80X12 mm**

Order data

Order number	185015 80X12
GTIN	4062406397548
Item class	11V

Description

Version:

Precision solid carbide side milling cutters in the HPC machining range. **With new high-performance coating** for very long tool life.

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 Product Group 30 for suitable arbor spacer rings.**
- **Slots milled from solid: f_z for $a_e = 0.1 \times D$.**

Successor product to No. 185010.

Bore $\varnothing$ H6 d_1 : 27 mm

No. of teeth Z: 14

Collar thickness $b \pm 0.1$: 8 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: 12 mm

Technical description

Capability of combining 2 cutters of different width A	12 mm
Capability of combining 2 cutters of the same width, results in overall width E	21.6 - 23.8 mm
Collar thickness $b \pm 0.1$	8 mm
Capability of combining 2 cutters of different width B	14 mm
Cutting edge $\varnothing D_c$	80 mm
Shank type	with bore
Capability of combining 2 cutters of different width, results in overall width E	23.5 - 25.8 mm
Feed f_z in steel $< 900 \text{ N/mm}^2$	0.06 mm
Bore $\varnothing \text{H6 } d_1$	27 mm
Cutting width	12 mm
No. of teeth Z	14
Collar $\varnothing d_2 \pm 1$	50 mm
Tooth height Zh	15 mm
Capability of combining 2 cutters of the same width A/B	12 mm
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

