

Garant
Side milling cutter HSS-Co5, uncoated, $\varnothing \times \text{width} \pm 0.1 \times k11: 100X4$ mm

Order data

Order number	185005 100X4
GTIN	4045197546661
Item class	11U

Description
Version:
Side milling cutter similar to DIN 885-A.

Pairs of milling cutters: 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.**

Cutters are manufactured with external \varnothing to a tolerance ± 0.1 mm. When using 2 cutters as a set and higher precision is required, the cutters must be ground as a set.

Slots milled from solid: f_z for $a_e = 0.1 \times D$.

Through-coolant: no

Bore \varnothing H6 d_1 : 27 mm

No. of teeth Z: 22

Collar thickness $b \pm 0.1$: 2.3 mm

Collar \varnothing $d_2 \pm 1$: 60 mm

Tooth height Z_h : 20 mm

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

Technical description

Cutting width	4 mm
Capability of combining 2 cutters of different width B	5 mm
Collar thickness $b \pm 0.1$	2.3 mm
Cutting edge $\varnothing D_c$	100 mm
Bore $\varnothing H6 d_1$	27 mm
Capability of combining 2 cutters of the same width, results in overall width E	7.3 - 7.8 mm
Capability of combining 2 cutters of different width, results in overall width E	8.1 - 8.8 mm
Collar $\varnothing d_2 \pm 1$	60 mm
Tooth height Z_h	20 mm
Capability of combining 2 cutters of the same width A/B	4 mm
Feed f_z in steel $< 900 \text{ N/mm}^2$	0.06 mm
No. of teeth Z	22
Capability of combining 2 cutters of different width A	4 mm
Shank type	with bore
Coating	uncoated
Tool material	HSS Co 5
Standard	DIN 885 A
Type	N
Tolerance nominal \varnothing	± 0.1
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Colour ring	without
Type of product	Side milling cutter

