

**Garant**
**Side milling cutter HSS-Co5, uncoated,  $\varnothing \times \text{width} \pm 0.1 \times k11$ : 80X3 mm**

**Order data**

Order number	185005 80X3
GTIN	4045197546579
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  $\pm 0.1$  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  $b \pm 0.1$ : 1.9 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: 3 mm

## Technical description

Cutting edge $\varnothing D_c$	80 mm
Collar thickness $b \pm 0.1$	1.9 mm
Feed $f_z$ in steel $< 900 \text{ N/mm}^2$	0.06 mm
Capability of combining 2 cutters of the same width, results in overall width E	5.5 - 5.8 mm
Capability of combining 2 cutters of different width, results in overall width E	6.6 - 6.8 mm
Capability of combining 2 cutters of different width A	3 mm
Cutting width	3 mm
Tooth height $Z_h$	15 mm
Capability of combining 2 cutters of different width B	4 mm
No. of teeth Z	22
Bore $\varnothing \text{H6 } d_1$	27 mm
Collar $\varnothing d_2 \pm 1$	50 mm
Capability of combining 2 cutters of the same width A/B	3 mm
Shank type	with bore
Coating	uncoated
Tool material	HSS Co 5
Standard	DIN 885 A
Type	N
Tolerance nominal $\varnothing$	$\pm 0.1$
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

