

**Garant**
**Solid carbide milling cutter HPC, TiAlN, Ø e8 DC: 20 mm**

**Order data**

Order number	203024 20
GTIN	4045197857941
Item class	11X

**Description**
**Note:**
**Successor product to No. 203022.**

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 102 mm

Overall length L: 175 mm

Shank Ø  $D_s$ : 20 mm

Corner chamfer width at 45°: 0.5 mm

Feed  $f_z$  for side milling in INOX > 900 N/mm<sup>2</sup>: 0.1 mm

**Technical description**

Shank	DIN 6535 HB to h6
Overall length L	175 mm
No. of teeth Z	4
Cutting edge Ø $D_c$	20 mm
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.1 mm
Flute length $L_c$	102 mm
Tolerance nominal Ø	e8
Corner chamfer width at 45°	0.5 mm

Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	20 mm
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	$0.1 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm	SZ2025 20
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