



## Solid carbide milling cutter with chip separators TPC, TiSiN, Ø e8 DC: 6 mm



### Order data

Order number	203086 6
GTIN	4062406569372
Item class	12X

### Description

#### Version:

High-performance end mill for general-purpose applications, **specially designed for TPC applications.**

#### Strengthened core.

**Optimised bending strength** due to the use of ultra-fine grain substrates.

**Chip breaker** for controlled chip breaking.

#### Note:

$h_{max}$ : The values stated in the table are maximum values.

$a_{e\ max} = 0.05 \times D$  for TPC machining.

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 4

Flute length  $L_c$ : 24 mm

Overhang length  $L_1$  incl. recess: 30 mm

Recess Ø  $D_1$ : 5.8 mm

Overall length L: 70 mm

Shank Ø  $D_s$ : 6 mm

### Technical description

No. of teeth Z	4
Flute length $L_c$	24 mm

Balance quality with shank	G 2.5 with HB
Cutting edge $\varnothing D_c$	6 mm
Overall length L	70 mm
Shank $\varnothing D_s$	6 mm
Tolerance nominal $\varnothing$	e8
Overhang length $L_1$ incl. recess	30 mm
Helix angle	40 degrees
Direction of infeed	horizontal and oblique
Corner chamfer width at 45°	0.1 mm
Recess $\varnothing D_1$	5.8 mm
Corner chamfer angle	45 degrees
Shank	DIN 6535 HB to h6
Average chip thickness $h_{max}$ for TPC milling in steel < 900 N/mm <sup>2</sup>	0.058 mm
Coating	TiSiN
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	0.07×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill