

**Garant**
**Solid carbide milling cutter TPC, DLC, Ø h6 DC: 12 mm**

**Order data**

Order number	202282 12
GTIN	4045197773258
Item class	11X

**Description**
**Version:**

**Eccentric relief ground**, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

With double chip-breaker for exemplary chip formation.

With the latest generation of **DLC coating sp<sup>2</sup>**.

**Note:**

$a_{e \max} = 0.12 \times D$  for TPC machining.

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

**NEW GENERATION AVAILABLE! Recommended successor product is No. 203114.**

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length  $L_c$ : 49 mm

Overhang length  $L_1$  incl. recess: 60 mm

Recess Ø  $D_1$ : 11 mm

Overall length L: 109 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Cutting edge Ø $D_c$	12 mm
Shank Ø $D_s$	12 mm

Tolerance nominal $\varnothing$	h6
Balance quality with shank	G 2.5 with HA
Overhang length $L_1$ incl. recess	60 mm
Shank form	HA
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Corner chamfer width at 45°	0.2 mm
Flute length $L_c$	49 mm
Recess $\varnothing D_1$	11 mm
Shank	DIN 6535 HA to h6
Overall length L	109 mm
Average chip thickness $h_{max}$ for TPC milling in short-chipping aluminium	0.075 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle characteristic	unequal spacing
Cutting width $a_e$ for milling operation	0.12×D
Through-coolant	no
Machining strategy	TPC
Colour ring	yellow
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

