

Garant

Solid carbide milling cutter TPC, uncoated, Ø h6 DC: 20 mm



Order data

Order number	202283 20
GTIN	4045197977274
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.

Note:

$a_{e\ max} = 0.1 \times D$ for TPC machining.

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

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 3

Flute length L_c : 102 mm

Overhang length L_1 incl. recess: 120 mm

Recess Ø D_1 : 19 mm

Overall length L: 174 mm

Shank Ø D_s : 20 mm

Technical description

Shank Ø D_s	20 mm
Shank form	HB
Helix angle	45 degrees

Average chip thickness h_{\max} for TPC milling in short-chipping aluminium	0.108 mm
Direction of infeed	horizontal, oblique and vertical
Balance quality with shank	G 2.5 with HB
No. of teeth Z	3
Flute length L_c	102 mm
Overhang length L_1 incl. recess	120 mm
Recess $\varnothing D_1$	19 mm
Shank	DIN 6535 HB to h6
Overall length L	174 mm
Tolerance nominal \varnothing	h6
Corner chamfer width at 45°	0.2 mm
Cutting edge $\varnothing D_c$	20 mm
Corner chamfer angle	45 degrees
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	0.1×D
Through-coolant	no
Machining strategy	TPC
Colour ring	yellow
Type of product	End mill