

## Garant

### GARANT Master Steel PickPocket solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 19,5 mm



#### Order data

Order number	202404 19,5
GTIN	4045197781321
Item class	11X

#### Description

##### Version:

For **roughing and finishing**

With corner radii similar to torus cutters.

Up to 1×D into solid material **at very high feed rates** with smooth cutting action.

##### Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Tolerance nominal Ø: f8

No. of teeth Z: 3

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length  $L_c$ : 41 mm

Overhang length  $L_1$  incl. recess: 52 mm

Recess Ø  $D_1$ : 19.3 mm

Overall length L: 104 mm

Shank Ø  $D_s$ : 20 mm

#### Technical description

Cutting edge Ø $D_c$	19.5 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Flute length $L_c$	41 mm
Shank Ø $D_s$	20 mm

Overhang length $L_1$ incl. recess	52 mm
No. of teeth Z	3
Shank	DIN 6535 HB to h6
Overall length L	104 mm
Direction of infeed	horizontal, oblique and vertical
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.13 mm
Recess $\varnothing D_1$	19.3 mm
Tolerance nominal $\varnothing$	f8
Helix angle	38 degrees
Corner rounding $r_v$	0.98 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	$0.4 \times D$ for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill