

## Garant

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



#### Order data

Order number	202402 19,5
GTIN	4045197853776
Item class	11X

#### Description

##### Version:

Corner radii matched to DIN specifications for **drive keyways**.

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  $L_c$ : 20 mm

Overall length L: 92 mm

Shank Ø  $D_s$ : 20 mm

Corner rounding  $r_v$ : 0.5 mm

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

#### Technical description

Shank Ø $D_s$	20 mm
Overall length L	92 mm
Cutting edge Ø $D_c$	19.5 mm

No. of teeth Z	3
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal $\varnothing$	f8
Flute length $L_c$	20 mm
Shank	DIN 6535 HB to h6
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.13 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Helix angle	38 degrees
Corner rounding $r_v$	0.5 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	Full slot cutting depth 1×D
Cutting width $a_e$ for milling operation	0.4×D for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill