

Garant**GARANT Master Steel PickPocket solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 20 mm****Order data**

Order number	202406 20
GTIN	4045197781536
Item class	11X

Description**Version:**For **roughing and finishing**

With corner radii similar to torus cutters.

Up to 1xD 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 mmOverhang length L₁ incl. recess: 74 mmRecess Ø D₁: 19.5 mm

Overall length L: 126 mm

Shank Ø D_s: 20 mm**Technical description**

Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Cutting edge Ø D _c	20 mm
Overhang length L ₁ incl. recess	74 mm

Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.1 mm
Shank $\varnothing D_s$	20 mm
No. of teeth Z	3
Overall length L	126 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.13 mm
Recess $\varnothing D_1$	19.5 mm
Flute length L_c	41 mm
Tolerance nominal $\varnothing$	f8
Helix angle	38 degrees
Corner rounding r_v	1 mm
Series	GARANT Master Steel
Coating	TiAlN
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	$0.4 \times D$ 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

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm

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