

**Garant**
**GARANT Master Steel PickPocket solid carbide roughing end mill HPC, TiAlN,  
 Ø f8 DC: 12 mm**

**Order data**

Order number	202404 12
GTIN	4045197781253
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  $L_c$ : 26 mm

Overhang length  $L_1$  incl. recess: 36 mm

Recess Ø  $D_1$ : 11.8 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.07 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.09 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical

Tolerance nominal $\varnothing$	f8
Cutting edge $\varnothing D_c$	12 mm
Recess $\varnothing D_1$	11.8 mm
Overall length L	83 mm
Overhang length $L_1$ incl. recess	36 mm
No. of teeth Z	3
Shank $\varnothing D_s$	12 mm
Flute length $L_c$	26 mm
Helix angle	38 degrees
Corner rounding $r_v$	0.6 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×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×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 12 mm

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