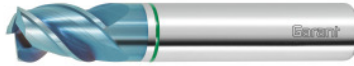


Garant

GARANT Master Steel solid carbide mini milling cutter HPC, TiAlN, Ø e8 DC: 12 mm



Order data

Order number	202295 12
GTIN	4062406271497
Item class	11X

Description

Version:

Extra short cutter for maximum stability. **Shank length to DIN** for improved support of the tool in the holder. This significantly increases the tool life.

Save the regrinding costs: It is cheaper to use a carbide mini slot drill to the limit of wear and throw it away, than to regrind it.

Tool for **general-purpose machining**.

Note:

HB shanks are available at the same price as HA.

For **HB shanks** use order **no. 202297**.

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 3

Flute length L_c : 16 mm

Overall length L: 73 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.05 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.06 mm

Technical description

Helix angle	45 degrees
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Overall length L	73 mm
Shank	DIN 6535 HA to h6
Cutting edge $\varnothing D_c$	12 mm
Flute length L_c	16 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.07 mm
Tolerance nominal \varnothing	e8
No. of teeth Z	3
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Shank $\varnothing D_s$	12 mm
Direction of infeed	horizontal, oblique and vertical
Corner chamfer width at 45°	0.05 mm
Corner chamfer angle	45 degrees
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
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