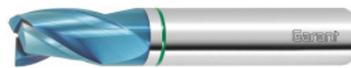


Garant

GARANT Master Steel solid carbide mini milling cutter HPC, TiAlN, Ø e8 DC: 4,5 mm



Order data

Order number	202289 4,5
GTIN	4062406271176
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. 202291**.

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 3

Flute length L_c : 8 mm

Overall length L: 50 mm

Shank Ø D_s : 6 mm

Feed f_z for slot milling in steel < 900 N/mm²: 0.025 mm

Feed f_z for side milling in steel < 900 N/mm²: 0.028 mm

Technical description

Flute length L_c	8 mm
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Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Feed f_z for slot milling in steel < 900 N/mm ²	0.025 mm
Shank $\varnothing D_s$	6 mm
Cutting edge $\varnothing D_c$	4.5 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.028 mm
Helix angle	30 degrees
Overall length L	50 mm
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8
Corner chamfer angle	90 degrees
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill