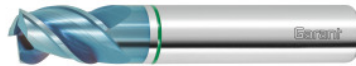


## Garant

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



#### Order data

Order number	202295 4,5
GTIN	4062406271411
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  $L_c$ : 8 mm

Overall length L: 50 mm

Shank Ø  $D_s$ : 6 mm

Corner chamfer width at 45°: 0.03 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.025 mm

#### Technical description

Cutting edge Ø $D_c$	4.5 mm
----------------------	--------

Shank	DIN 6535 HA to h6
Overall length L	50 mm
No. of teeth Z	3
Shank $\varnothing D_s$	6 mm
Corner chamfer width at 45°	0.03 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.025 mm
Helix angle	45 degrees
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.028 mm
Flute length $L_c$	8 mm
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal $\varnothing$	e8
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×D
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