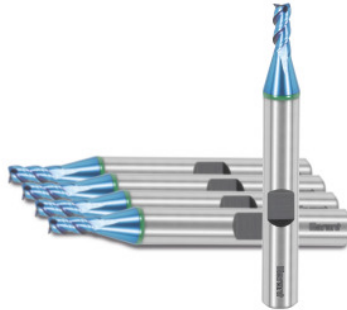


**Garant**
**Value pack GARANT Master Steel solid carbide mini milling cutter HPC, 5 pieces**

**Order data**

Order number	GG2297 5
GTIN	4067263091875
Item class	GGN

**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 milling cutter to the limit of wear and throw it away, than to regrind it.

**Same as No. 202297.**

**Technical description**

Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.028 mm
Shank $\varnothing D_s$	6 mm
Shank form	HB
Shank	DIN 6535 HB to h6
Overall length L	50 mm
Corner chamfer angle	45 degrees
Tolerance nominal $\varnothing$	e8

Flute length $L_c$	8 mm
No. of teeth $Z$	3
Contents	5
Direction of infeed	horizontal, oblique and vertical
Corner chamfer width at $45^\circ$	0.04 mm
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.025 mm
Cutting edge $\varnothing D_c$	5 mm
Helix angle	45 degrees
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Works standard
Type	N
Cutting width $a_e$ for milling operation	$0.3 \times D$ for side milling
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	290 m/min	N
Alu $> 10\% \text{ Si}$	suitable only under restricted conditions	240 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	140 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	120 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	100 m/min	P

Steel < 1100 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	50 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	90 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	70 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	S
GG(G)	suitable	85 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		

## Accessories

GARANT Master Steel solid carbide mini milling cutterHPC  
Ø e8 DC 5 mm

202295 5

GARANT Master Steel solid carbide mini-milling cutterHPC  
Ø e8 DC 5 mm

202297 5