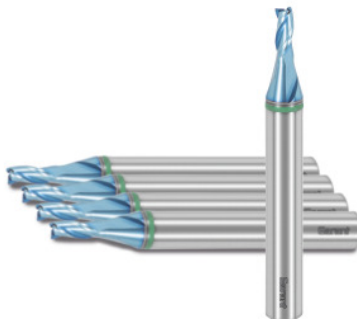


Garant**GARANT Master Steel solid carbide mini milling cutter HPC, TiAlN, Ø e8 DC: 0,5mm****Order data**

Order number	GG2289 0,5
GTIN	4067263090779
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 slot drill to the limit of wear and throw it away, than to regrind it.

Same as No. 202289.

Technical description

Direction of infeed	horizontal, oblique and vertical
Shank form	HA
No. of teeth Z	3
Shank	DIN 6535 HA to h6
Flute length L _c	1.5 mm
Corner chamfer angle	90 degrees

Cutting edge $\varnothing D_c$	0.5 mm
Tolerance nominal \varnothing	e8
Overall length L	38 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.002 mm
Helix angle	30 degrees
Shank $\varnothing D_s$	3 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.003 mm
Contents	5
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Works standard
Type	N
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	0.5×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% Si	suitable only under restricted conditions	240 m/min	N
Steel < 500 N/mm ²	suitable	140 m/min	P
Steel < 750 N/mm ²	suitable	120 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P

Steel < 1100 N/mm ²	suitable	70 m/min	P
Steel < 1400 N/mm ²	suitable	50 m/min	P
INOX < 900 N/mm ²	suitable	90 m/min	M
INOX > 900 N/mm ²	suitable	70 m/min	M
Ti > 850 N/mm ²	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 0,5 mm

202289 0,5