

Garant
GARANT Master Alu solid carbide slot drill HPC, uncoated, Ø e8 DC: 2Mmm

Order data

Order number	201070 2M
GTIN	4062406184988
Item class	11Z

Description
Version:

Precision balanced tools, ideally suited for use on **high-speed spindles**. Special geometry for optimum chip evacuation thanks to **newly developed balancing process**.

Very smooth cutting action for **outstanding surface quality**.

Tolerance nominal Ø: e8

No. of teeth Z: 1

Helix angle: 30 °

Direction of infeed: horizontal, oblique and vertical

Shank: Plain shank

Balance quality with shank: G 1.8 with HA

No. of teeth Z: 1

Flute length L_c : 5 mm

Overall length L: 50 mm

Shank Ø D_s : 6 mm

Feed f_z for slot milling in short-chipping aluminium: 0.02 mm

Feed f_z for side milling in short-chipping aluminium: 0.04 mm

Technical description

Shank Ø D_s	6 mm
Overall length L	50 mm
Helix angle	30 °
No. of teeth Z	1
Tolerance nominal Ø	e8

Balance quality with shank	G 1.8 with HA
Feed f_z for slot milling in short-chipping aluminium	0.02 mm
Shank	Plain shank
Flute length L_c	5 mm
Feed f_z for side milling in short-chipping aluminium	0.04 mm
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	2 mm
Corner chamfer angle	90°
Series	Master Alu
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
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	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	Suitable	105 m/min	N
PMMA acrylic	Suitable	180 m/min	N
PE-HD	Suitable	130 m/min	N
PA 66	Suitable	150 m/min	N

PEEK	Suitable	130 m/min	N
PF 31	Suitable	110 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	180 m/min	N
Cu	Suitable	140 m/min	N
CuZn	Suitable	180 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

Services

Shank grinding Type HB

129100 HB