

Garant
GARANT Master Alu solid carbide slot drill HPC, DLC, Ø e8 DC: 3Lmm

Order data

Order number	201075 3L
GTIN	4062406186470
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 : 12 mm

Overhang length L_1 incl. recess: 16 mm

Recess Ø D_1 : 2.8 mm

Overall length L: 50 mm

Shank Ø D_s : 6 mm

Technical description

Balance quality with shank	G 1.8 with HA
Feed f_z for slot milling in short-chipping aluminium	0.03 mm
Tolerance nominal Ø	e8
Helix angle	30 °
No. of teeth Z	1

Recess $\varnothing D_1$	2.8 mm
Shank	Plain shank
Overall length L	50 mm
Feed f_z for side milling in short-chipping aluminium	0.05 mm
Overhang length L_1 incl. recess	16 mm
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	3 mm
Shank $\varnothing D_s$	6 mm
Flute length L_c	12 mm
Corner chamfer angle	90°
Series	Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
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	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	480 m/min	N
Aluminium (short chipping)	suitable	440 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	Suitable	200 m/min	N

PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	Suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	Suitable	180 m/min	N
POM GF25	Suitable	160 m/min	N
PA 66 GF30	Suitable	150 m/min	N
PEEK GF30	Suitable	130 m/min	N
PTFE CF25	Suitable	160 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N
Cu	Suitable	160 m/min	N
CuZn	Suitable	200 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	Suitable		

Services

Shank grinding Type HB

129100 HB