

Garant
GARANT Master Alu solid carbide slot drill HPC, uncoated, Ø e8 DC: 6Xmm

Order data

Order number	201070 6X
GTIN	4062406186289
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**.

Technical description

Balance quality with shank	G 1.8 with HA
Tolerance nominal Ø	e8
Overall length L	55 mm
Shank Ø D _s	6 mm
No. of teeth Z	1
Cutting edge Ø D _c	6 mm
Feed f _z for slot milling in short-chipping aluminium	0.06 mm
Recess Ø D ₁	5.5 mm
Feed f _z for side milling in short-chipping aluminium	0.08 mm
Shank	Plain shank
Flute length L _c	21 mm
Overhang length L ₁ incl. recess	27 mm
Direction of infeed	horizontal, oblique and vertical

Helix angle	30 degrees
Corner chamfer angle	90 degrees
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