

Garant

GARANT Master Alu SlotMachine solid carbide roughing end mill with through-coolant HPC / TPC, DLC, Ø e8 DC: 10mm



Order data

Order number	205268 10
GTIN	4067263243472
Item class	11X

Description

Version:

For roughing.

Special profile for machining non-ferrous metals. Significant reduction in the chip volume due to targeted chip fragmentation using the **special cutter geometry**.

Improved chip evacuation due to central through-coolant. Due to the patented geometry also suitable for boring.

Technical description

Shank Ø D _s	10 mm
Cutting edge Ø D _c	10 mm
Feed f _z for slot milling in short-chipping aluminium	0.12 mm
Helix angle	35 degrees
Flute length L _c	30 mm
Overhang length L ₁ incl. recess	38 mm
Overall length L	80 mm
Feed f _z for side milling in short-chipping aluminium	0.14 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Corner rounding r _v	0.32 mm

Balance quality with shank	G 2.5 with HB
No. of teeth Z	3
Recess $\varnothing D_1$	9.5 mm
Tolerance nominal \varnothing	e8
Series	Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Milling profile	WR
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	0.3×D for side milling
Through-coolant	yes
Machining strategy	TPC
Machining strategy	HPC
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	suitable	450 m/min	N
Aluminium (short chipping)	suitable	400 m/min	N
Alu > 10% Si	suitable	380 m/min	N
PA 66	suitable only under restricted conditions	120 m/min	N
PEEK	suitable only under restricted conditions	100 m/min	N
Cu	suitable	160 m/min	N

CuZn	suitable	200 m/min	N
wet maximum	suitable		
Air	suitable		