GARANT Master Alu solid carbide finishing cutter HPC, uncoated, Ø h6 DC: 20mm



Order data

Order number	203213 20
GTIN	4067263100355
Item class	11X

Description

Version:

For fine finishing operations. Cutter geometry optimised for low infeeds and excellent surfaces. Unequal spacing gives high intrinsic stability and smooth cutting action.

Application:

For profile milling as a finishing operation.

Note:

Optimal production results in conjunction with the GARANT HiRunER precision ER collet chuck, GARANT Master Chuck hydraulic chuck and heavy-duty chuck.

Technical description

Corner chamfer angle	90 degrees		
Shank Ø D _s	20 mm		
$\frac{1}{2}$ for side milling in short-chipping aluminium 0.04 mm			
Recess Ø D ₁	19.5 mm		
Cutting edge \varnothing D_c	20 mm		
Direction of infeed	horizontal		
Helix angle	40 degrees		
Tolerance nominal Ø	h6		
Overall length L	125 mm		
Flute length L _c	64 mm		

Overhang length L ₁ incl. recess	72 mm	
No. of teeth Z	7	
Balance quality with shank	G 2.5 with HA	
Shank	DIN 6535 HA to h6	
Series	Master Alu	
Coating	uncoated	
Tool material	Solid carbide	
Standard	Works standard	
Туре	W	
Helix angle characteristic	unequal spacing	
Spacing of the cutters	unequal spacing	
Milling application	Mono milling tools high-precision 90°	
Cutting width a _e for milling operation	0.025×D for side milling	
Through-coolant	no	
Machining strategy	HPC	
Colour ring	yellow	
Type of product	End / face mill	

User data

	Suitability	\mathbf{V}_{c}	ISO code
Alu plastics	suitable	380 m/min	N
Aluminium (short chipping)	suitable	360 m/min	N
Alu > 10% Si	suitable only under restricted conditions	320 m/min	N
PMMA acrylic	suitable	260 m/min	N
PE-HD	suitable	220 m/min	N
PA 66	suitable	250 m/min	N
PEEK	suitable	220 m/min	N

PF 31	suitable	200 m/min	N
Cu	suitable only under restricted conditions	160 m/min	N
CuZn	suitable	220 m/min	N
wet maximum	suitable		
wet minimum	suitable		
Air Services	suitable		

Shank grinding Type HB

129100 HB