Garant

GARANT Master Alu solid carbide milling cutter, HPC HPC, DLC, ∅ e8 DC: 20 mm

Order data

Order number	203205 20
GTIN	4062406120023
Item class	11X

Description

Version:
For finishing operations.
Special geometry for optimum chip evacuation.
Unequal spacing gives high intrinsic stability and smooth cutting action.
For profile milling as a finishing operation.
Tolerance nominal ∅: e8
No. of teeth Z: 5
Helix angle: 38 degrees
Direction of infeed: horizontal
Shank: DIN 6535 HA to h6
Balance quality with shank: G 2.5 with HA
No. of teeth Z: 5
Flute length L_c: 100 mm
Overhang length L_1 incl. recess: 108 mm
Recess ∅ D_1: 19.5 mm
Overall length L: 175 mm
Shank ∅ D_s: 20 mm

Technical description

Flute length L_c	100 mm
Correction factor f_z	1.5
Overhang length L_1 incl. recess	108 mm
Overall length L	175 mm

Shank ∅ D_s	20 mm
Tolerance nominal ∅	e8
Shank	DIN 6535 HA to h6
Direction of infeed	horizontal
maximum cutting depth $a_{p\,max}$ when side milling	100 mm
No. of teeth Z	5
Recess ∅ D_1	19.5 mm
Cutting edge ∅ D_C	20 mm
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Helix angle	38 degrees
Balance quality with shank	G 2.5 with HA
maximum cutting depth $a_{p\,max}$ when slot milling from solid	20 mm
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.05×D for side milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB	129100 HB