

Garant

GARANT Master Alu solid carbide milling cutter, HPC HPC, DLC, Ø e8 DC: 12 mm



Order data

Order number	203204 12
GTIN	4062406119959
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.

Note:

Order the **uncoated version** using **No. 203208**.

Tolerance nominal Ø: 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 : 48 mm

Overhang length L_1 incl. recess: 56 mm

Recess Ø D_1 : 11.5 mm

Overall length L: 100 mm

Shank Ø D_s : 12 mm

Technical description

Recess Ø D_1	11.5 mm
Flute length L_c	48 mm

Overhang length L_1 incl. recess	56 mm
Cutting edge $\varnothing D_c$	12 mm
No. of teeth Z	5
Direction of infeed	horizontal
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8
Shank $\varnothing D_s$	12 mm
Feed f_z for side milling in short-chipping aluminium	0.06 mm
Balance quality with shank	G 2.5 with HA
Helix angle	38 degrees
Overall length L	100 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	$0.1 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
------------------------	-----------