

Garant

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



Order data

Order number	203205 12
GTIN	4062406120009
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. 203209**.

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 : 60 mm
 Overhang length L_1 incl. recess: 68 mm
 Recess Ø D_1 : 11.5 mm
 Overall length L: 119 mm
 Shank Ø D_s : 12 mm

Technical description

Overall length L	119 mm
No. of teeth Z	5
Flute length L_c	60 mm

Direction of infeed	horizontal
Cutting edge $\varnothing D_c$	12 mm
Helix angle	38 degrees
Tolerance nominal \varnothing	e8
Overhang length L_1 incl. recess	68 mm
Feed f_z for side milling in short-chipping aluminium	0.05 mm
Balance quality with shank	G 2.5 with HA
Shank $\varnothing D_s$	12 mm
Recess $\varnothing D_1$	11.5 mm
Shank	DIN 6535 HA to h6
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	$0.05 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB

129100 HB