

Garant
GARANT Master Alu solid carbide milling cutter HPC, uncoated, Ø f8 DC / RS1: 12E mm

Order data

Order number	201070 12E
GTIN	4062406186425
Item class	11Z

Description
Version:

Precision balanced tools, ideally suited for use on **high-speed spindles**. Special geometry for optimum chip evacuation thanks to **newly developed balancing process**.

Very smooth cutting action for **outstanding surface quality**.

Tolerance nominal Ø: e8

No. of teeth Z: 1

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: Plain shank

Balance quality with shank: G 1.8 with HA

No. of teeth Z: 1

Flute length L_c : 21 mm

Overhang length L_1 incl. recess: 33 mm

Recess Ø D_1 : 11 mm

Overall length L: 70 mm

Shank Ø D_s : 12 mm

Technical description

Shank	Plain shank
Balance quality with shank	G 1.8 with HA
Feed f_z for side milling in short-chipping aluminium	0.12 mm
Feed f_z for slot milling in short-chipping aluminium	0.1 mm

Cutting edge $\varnothing D_c$	12 mm
Flute length L_c	21 mm
Shank $\varnothing D_s$	12 mm
Helix angle	30 degrees
No. of teeth Z	1
Direction of infeed	horizontal, oblique and vertical
Overall length L	70 mm
Tolerance nominal $\varnothing$	e8
Recess $\varnothing D_1$	11 mm
Overhang length L_1 incl. recess	33 mm
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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