

Garant**GARANT Master Alu solid carbide milling cutter HPC, DLC, Ø DC: 12M mm****Order data**

Order number	202512 12M
GTIN	4062406238926
Item class	11X

Description**Version:****Extra sharp cutting edges.**

Dimensions similar to DIN6527.

For roughing and finishing. Up to 2xD into solid material at very high feed rates and smooth cutting action.

With the latest generation of **DLC coating sp²**.

Note:**Successor product to No. 202515.**

Tolerance nominal Ø: h6

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c: 36 mm

Overhang length L₁ incl. recess: 46 mm

Recess Ø D₁: 11 mm

Overall length L: 93 mm

Shank Ø D_s: 12 mm

Technical description

No. of teeth Z	4
Feed f _z for side milling in short-chipping aluminium	0.15 mm
Tolerance nominal Ø	h6

Shank	DIN 6535 HA to h6
Feed f_z for slot milling in short-chipping aluminium	0.1 mm
Flute length L_c	36 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Recess $\varnothing D_1$	11 mm
Overhang length L_1 incl. recess	46 mm
Helix angle	38 degrees
Shank $\varnothing D_s$	12 mm
Overall length L	93 mm
Corner chamfer angle	90 degrees
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.25 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12