Garant

GARANT Master Alu PickPocket solid carbide roughing end mill HPC, DLC, ∅ e8 DC: 14 mm

Order data

Order number	202014 14
GTIN	4062406126407
Item class	11X

Description

Version:
For roughing and finishing.
Up to 2×D into solid material at very high feed rates and smooth cutting action.
Very high feed rates when plunging vertically.
Ramping capability up to 45°.
With the latest generation of DLC coating sp^2.
Advantage:
Optimised flute form, eccentric relief ground, generous chip spaces.
Note:
A minimum oversize of 0.1×D must be maintained for subsequent finishing operations.
Tolerance nominal ∅: e8
No. of teeth Z: 3
Helix angle: 42 degrees
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HA to h6
Balance quality with shank: G 2.5 with HA
No. of teeth Z: 3
Flute length L_c: 26 mm
Overhang length L_1 incl. recess: 52 mm
Recess ∅ D_1: 13.8 mm
Overall length L: 99 mm
Shank ∅ D_s: 14 mm

Technical description

Feed f_z for slot milling in short-chipping aluminium	0.1 mm

Feed f_z for side milling in short-chipping aluminium	0.12 mm
Helix angle	42 degrees
Cutting edge ⌀ D_C	14 mm
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA
Tolerance nominal ⌀	e8
Shank ⌀ D_s	14 mm
Overhang length L_1 incl. recess	52 mm
Overall length L	99 mm
Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Flute length L_c	26 mm
Recess ⌀ D_1	13.8 mm
Corner rounding r_v	0.32 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	yellow
Type of product	End mill

Services

Shank grinding Type HB	129100 HB