

GARANT Master Alu PickPocket solid carbide roughing end mill HPC, uncoated, Ø e8 DC: 3 mm



Order data

Order number	202002 3
GTIN	4062406127558
Item class	11X

Description

Version:

For roughing and finishing.

Up to $2 \times D$ into solid material at very high feed rates and smooth cutting action.

Very high feed rates when plunging vertically.

Ramping capability up to 45°.

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Tolerance nominal Ø: 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 : 8 mm Overall length L: 57 mm

Shank Ø D_s: 6 mm

Feed f_z for slot milling in short-chipping aluminium: 0.04 mm Feed f_z for side milling in short-chipping aluminium: 0.05 mm

Technical description

Cutting edge Ø D _c	3 mm
Shank Ø D _s	6 mm

Helix angle Direction of infeed Direction of	No. of teeth Z	3
Flute length L _c Balance quality with shank Overall length L S7 mm Shank DIN 6535 HA to h6 Tolerance nominal Ø Feed f₂ for slot milling in short-chipping aluminium Feed f₂ for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width a₂ for milling operation Full slot cutting depth 1×D Through-coolant Machining strategy Clour ring S7 mm 8 mm 6 2.5 with HA G 2.5 with HA B mm G 2.5 with HA Overall length 1×D Full slot cutting depth 1×D HPC Vellow	Helix angle	42 degrees
Balance quality with shank Overall length L S7 mm Shank DIN 6535 HA to h6 Tolerance nominal Ø Feed f₂ for slot milling in short-chipping aluminium Feed f₂ for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width a₂ for milling operation Full slot cutting depth 1×D Through-coolant Machining strategy Clour ring Yellow	Direction of infeed	horizontal, oblique and vertical
Overall length L Shank DIN 6535 HA to h6 Tolerance nominal Ø e8 Feed f _z for slot milling in short-chipping aluminium O.04 mm Feed f _z for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 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	Flute length L _c	8 mm
Shank Tolerance nominal Ø Feed f₂ for slot milling in short-chipping aluminium Feed f₂ for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width a₂ for milling operation Through-coolant Machining strategy Clour ring PIN 6535 HA to h6 e8 Pa Ba Ba Ba Ba Ba Ba Ba Ba Ba	Balance quality with shank	G 2.5 with HA
Feed f₂ for slot milling in short-chipping aluminium Feed f₂ for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width ae for milling operation Through-coolant Machining strategy Colour ring e8 e8 E8 E8 E8 E8 GARANT Master Alu Uncoated Solid carbide Solid carbide Sunequal spacing W Helix angle characteristic Unequal spacing Full slot cutting depth 1×D Full slot cutting depth 1×D HPC Yellow	Overall length L	57 mm
Feed f _z for slot milling in short-chipping aluminium Feed f _z for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width a _e for milling operation Cutting width a _e for milling operation Through-coolant Machining strategy Colour ring O degrees GARANT Master Alu O no space of the cutcon uncoated DIN 6527 W Helix angle characteristic Unequal spacing Full slot cutting depth 1×D Full slot cutting depth 1×D	Shank	DIN 6535 HA to h6
Feed f _z for side milling in short-chipping aluminium Corner chamfer angle Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 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	Tolerance nominal Ø	e8
Corner chamfer angle Series GARANT Master Alu Uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width ae for milling operation Full slot cutting depth 1×D Cutting width ae for milling operation Full slot cutting depth 1×D Through-coolant no Machining strategy HPC Colour ring yellow	Feed f _z for slot milling in short-chipping aluminium	0.04 mm
Series GARANT Master Alu Coating uncoated Tool material Solid carbide Standard DIN 6527 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	Feed f _z for side milling in short-chipping aluminium	0.05 mm
Coating Tool material Solid carbide Standard DIN 6527 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	Corner chamfer angle	90 degrees
Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic Spacing of the cutters Cutting width a _e for milling operation 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	Series	GARANT Master Alu
Standard DIN 6527 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	Coating	uncoated
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	Tool material	Solid carbide
Helix angle characteristic unequal spacing Spacing of the cutters unequal spacing Cutting width ae for milling operation Full slot cutting depth 1×D Cutting width ae for milling operation Full slot cutting depth 1×D Through-coolant no Machining strategy HPC Colour ring yellow	Standard	DIN 6527
Spacing of the cuttersunequal spacingCutting width a_e for milling operationFull slot cutting depth $1 \times D$ Cutting width a_e for milling operationFull slot cutting depth $1 \times D$ Through-coolantnoMachining strategyHPCColour ringyellow	Туре	W
Cutting width a_e for milling operationFull slot cutting depth $1 \times D$ Cutting width a_e for milling operationFull slot cutting depth $1 \times D$ Through-coolantnoMachining strategyHPCColour ringyellow	Helix angle characteristic	unequal spacing
Cutting width a_e for milling operationFull slot cutting depth $1 \times D$ Through-coolantnoMachining strategyHPCColour ringyellow	Spacing of the cutters	unequal spacing
Through-coolant no Machining strategy HPC Colour ring yellow	Cutting width a _e for milling operation	Full slot cutting depth 1×D
Machining strategy HPC Colour ring yellow	Cutting width a _e for milling operation	Full slot cutting depth 1×D
Colour ring yellow	Through-coolant	no
	Machining strategy	HPC
Type of product End mill	Colour ring	yellow
	Type of product	End mill

Services

Shank grinding Type HB 129100 HB