

**Garant**
**GARANT Master Alu PickPocket solid carbide torus cutter HPC, DLC, Ø e8 DC / R1: 12/1,0 mm**

**Order data**

Order number	206257 12/1,0
GTIN	4062406156428
Item class	11X

**Description**
**Version:**

Cutting edge length to DIN 6527.

Tolerance: Corner radius  $R_1 = \pm 0.01 \text{ mm}$ .

**Application:**

Especially for **high speed machining** in **mould and tool making** for **copy milling**.

No. of teeth Z: 3

Helix angle: 42 degrees

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

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 46 mm

Recess  $\varnothing D_1$ : 11.8 mm

Overall length L: 93 mm

**Technical description**

Feed $f_z$ for copy milling in short-chipping aluminium	0.12 mm
Corner radius $R_1$	1 mm
No. of teeth Z	3
Shank	DIN 6535 HA to h6
Balance quality with shank	G 2.5 with HA

Recess $\varnothing D_1$	11.8 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.1 mm
Helix angle	42 degrees
Cutting edge $\varnothing D_c$	12 mm
Flute length $L_c$	26 mm
Overhang length $L_1$ incl. recess	46 mm
Shank $\varnothing D_s$	12 mm
Overall length $L$	93 mm
Series	GARANT Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	e8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	$0.03 \times D$ for copy milling
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	yellow
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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