

Garant

Solid carbide milling cutter HPC, ZOx, Ø f8 DC: 4 mm



Order data

Order number	202251 4
GTIN	4045197538550
Item class	11X

Description

Version:

Sturdy roughing end mill **without** knuckle profile.

With strong core, **special chip breaker recesses** and **large polished flutes**.

Application:

For roughing milling with high demands on the component surface.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 202017.

Tolerance nominal Ø: f8

No. of teeth Z: 3

Helix angle: 45 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 : 6.5 mm

Overhang length L_1 incl. recess: 24 mm

Recess Ø D_1 : 3.7 mm

Overall length L: 80 mm

Shank Ø D_s : 6 mm

Technical description

Cutting edge Ø D_c	4 mm
Overhang length L_1 incl. recess	24 mm
Shank form	HA

No. of teeth Z	3
Feed f_z for slot milling in short-chipping aluminium	0.035 mm
Corner chamfer width at 45°	0.1 mm
Feed f_z for side milling in short-chipping aluminium	0.045 mm
Recess $\varnothing D_1$	3.7 mm
Shank $\varnothing D_s$	6 mm
Overall length L	80 mm
Flute length L_c	6.5 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	f8
Balance quality with shank	G 2.5 with HA
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	ZOX
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	0.3×D for side milling
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
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