

## Garant

### Solid carbide milling cutter HPC, ZOx, Ø f8 DC: 16 mm



#### Order data

Order number	202251 16
GTIN	4045197538611
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 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 3

Flute length  $L_c$ : 25 mm

Overhang length  $L_1$  incl. recess: 100 mm

Recess Ø  $D_1$ : 15 mm

Overall length L: 150 mm

Shank Ø  $D_s$ : 16 mm

#### Technical description

No. of teeth Z	3
Overhang length $L_1$ incl. recess	100 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.12 mm

Shank form	HB
Feed $f_z$ for slot milling in short-chipping aluminium	0.09 mm
Corner chamfer width at 45°	0.2 mm
Recess $\varnothing D_1$	15 mm
Cutting edge $\varnothing D_c$	16 mm
Shank $\varnothing D_s$	16 mm
Overall length L	150 mm
Flute length $L_c$	25 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	f8
Balance quality with shank	G 2.5 with HB
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 recess Type FRST	209900 FRST
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Shank clamping flats for shrink-fit chucks, with retainer  
function Shank Ø tool 16 mm

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