

Garant
Solid carbide milling cutter with internal coolant supply HPC, ZOX, Ø f8 DC: 10mm

Order data

Order number	202259 10
GTIN	4045197538659
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. 202019.

Technical description

Shank form	HA
Cutting edge Ø D _c	10 mm
Feed f _z for slot milling in short-chipping aluminium	0.07 mm
Overhang length L ₁ incl. recess	58 mm
Feed f _z for side milling in short-chipping aluminium	0.09 mm
Recess Ø D ₁	9.2 mm
Corner chamfer width at 45°	0.2 mm
No. of teeth Z	3
Shank Ø D _s	10 mm
Overall length L	100 mm

Flute length L_c	16 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	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	yes
Machining strategy	HPC
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	suitable only under restricted conditions	250 m/min	N
Aluminium (short chipping)	suitable	240 m/min	N
Alu > 10% Si	suitable	120 m/min	N
CuZn	suitable	120 m/min	N
wet maximum	suitable		

wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	suitable only under restricted conditions
Services	

Shank grinding Type HB	129100 HB
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