

Garant
Solid carbide end mill HPC, ZOx, Ø f8 DC: 16mm

Order data

Order number	202551 16
GTIN	4045197271877
Item class	11X

Description
Version:

Sturdy roughing end mills **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.

Technical description

Recess $\varnothing D_1$	15 mm
Feed f_z for slot milling in short-chipping aluminium	0.09 mm
Feed f_z for side milling in short-chipping aluminium	0.12 mm
No. of teeth Z	4
Overhang length L_1 incl. recess	100 mm
Shank form	HB
Cutting edge $\varnothing D_c$	16 mm
Corner chamfer width at 45°	0.2 mm
Shank $\varnothing D_s$	16 mm
Overall length L	150 mm
Flute length L_c	32 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 / 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
Hybrids	suitable only under restricted conditions	m/min	N
CuZn	Suitable	120 m/min	N
wet maximum	suitable		
wet minimum	suitable		

dry	suitable only under restricted conditions
Air	suitable only under restricted conditions