Garant

Solid carbide milling cutter with internal coolant supply HPC, ZOX, ∅ f8 DC: 12mm

Order data

Order number	202255 12
GTIN	4045197415110
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. 202006.

Technical description

Recess ∅ D_1	11 mm
Feed f_z for slot milling in short-chipping aluminium	0.07 mm
Overhang length L_1 incl. recess	36 mm
Shank form	HA
Corner chamfer width at 45°	0.2 mm
No. of teeth Z	3
Cutting edge ∅ D_C	12 mm
Feed f_z for side milling in short-chipping aluminium	0.09 mm
Shank ∅ D_s	12 mm
Overall length L	83 mm

Flute length L_c	26 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal ∅	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	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×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	500 m/min	N
Aluminium (short chipping)	suitable	480 m/min	N
Alu > 10% Si	suitable	240 m/min	N
CuZn	suitable	240 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