

Garant
PCD end mill with internal cooling dragging cut, PCD, Ø h10 DC: 12mm

Order data

Order number	209801 12
GTIN	4062406765200
Item class	100

Description
Version:

High performance PCD slot drill for high metal removal rates. Axial angle positive. $\alpha = 4^\circ$.
 Dragging cut for standard applications.

Technical description

Recess $\varnothing D_1$	11 mm
No. of teeth Z	2
Corner chamfer width at 45°	0.1 mm
Corner chamfer angle	45 degrees
Direction of infeed	horizontal, oblique and vertical
Overhang length L_1 incl. recess	30 mm
Shank	DIN 6535 HA with h6
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for slot milling in cast aluminium	0.08 mm
Overall length L	100 mm
Feed f_z for side milling in cast aluminium	0.09 mm
Feed f_z for side milling in graphite	0.14 mm
Shank $\varnothing D_s$	12 mm
Flute length L_c	20 mm

Tolerance nominal \varnothing	h10
Feed f_z for slot milling in graphite	0.14 mm
Coating	PCD
Tool material	PCD
Standard	Manufacturer's standard
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.2 \times D$ for side milling
Through-coolant	yes
Colour ring	black
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	suitable	2400 m/min	N
Aluminium (short chipping)	suitable	2000 m/min	N
Alu > 10% Si	suitable	1500 m/min	N
PMMA acrylic	suitable	1000 m/min	N
PE-HD	suitable	900 m/min	N
PA 66	suitable	900 m/min	N
PEEK	suitable	800 m/min	N
PVDF GF20	suitable	1200 m/min	N
POM GF25	suitable	1200 m/min	N
PA 66 GF30	suitable	1000 m/min	N
PEEK GF30	suitable	1000 m/min	N
PTFE CF25	suitable	1000 m/min	N
PEEK CF30	suitable	800 m/min	N
Hybrids	suitable		
MMC	suitable	400 m/min	N

GRP	suitable	500 m/min	N
CRP	suitable	500 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	Suitable		
Air	suitable		
Services			

Shank grinding Type HB	129100 HB
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