Garant

PCD face mill with bore, PCD, ⌀ D: 63mm

Order data

Order number	209810 63
GTIN	4067263101154
Item class	11Y

Description

Version:
High-performance PCD face mill for **roughing and finish machining. Generous flutes** for reliable evacuation of the chips. Coolant directly on the cutting edge. Axial angle 6° positive.
Supplied with:
Special fastening screw for optimal coolant feed.
Note:
Matching face mill arbors can be found in the section on clamping devices, e.g. No. 306530 22.

Technical description

Cutting edge ⌀ D_C	63 mm
No. of teeth Z	6
Shank type	with bore
Corner chamfer width at 45°	0.1 mm
Overall length L	48 mm
Feed f_z for slot milling in cast aluminium	0.2 mm

Bore ∅	22
maximum infeed, indexable insert, secondary cutting edge	10 mm
axial rake angle, tool	6
Ramping angle α_{max}	6 degrees
∅ D_3	50 mm
Coating	PCD
Tool material	PCD
Standard	Works standard
Type	N
Tolerance nominal ∅	± 0.02
Direction of infeed	horizontal
Cutting width a_e for milling operation	0.3×D for side milling
Through-coolant	yes
Corner chamfer angle	45 degrees
Machining strategy	HPC
Type of product	Face Mill

User data

	Suitability	V_c	ISO code
Aluminium	suitable	6000 m/min	N
Aluminium (short chipping)	suitable	6000 m/min	N
Alu > 10% Si	suitable	2000 m/min	N
PMMA acrylic	suitable	2000 m/min	N
PE-HD	suitable	2000 m/min	N
PA 66	suitable only under restricted conditions	2000 m/min	N
PEEK	suitable only under restricted conditions	2000 m/min	N

PF 31	suitable only under restricted conditions	2000 m/min	N
AFRP aramid	suitable only under restricted conditions	2000 m/min	N
PVDF GF20	suitable only under restricted conditions	2000 m/min	N
POM GF25	suitable only under restricted conditions	2000 m/min	N
PA 66 GF30	suitable only under restricted conditions	2000 m/min	N
PEEK GF30	suitable only under restricted conditions	2000 m/min	N
PTFE CF25	suitable only under restricted conditions	2000 m/min	N
PEEK CF30	suitable only under restricted conditions	2000 m/min	N
Cu	suitable	6000 m/min	N
CuZn	suitable	2000 m/min	N
Oil	suitable		
wet maximum	suitable		
wet minimum	suitable		
dry	suitable		
Air	suitable		