

Garant
Milling head, sharp-edged HPC, uncoated, Ø D h10: 20mm

Order data

Order number	210345 20
GTIN	4045197557667
Item class	21M

Description
Note:

Standard application values for slots milled from solid at $a_{p\ max} \leq 0.5 \times D$.

Technical description

Flute length L_2	20 mm
Head length l	35 mm
Cutter $\varnothing D$	20 mm
Feed f_z for side milling in short-chipping aluminium	0.22 mm
Feed f_z for slot milling in short-chipping aluminium	0.18 mm
Arbor size	20 mm
Corner chamfer angle	90 degrees
Overall length L	57.2 mm
Coating	uncoated
Series	TopCut
Grade	HU730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W

Helix angle	42 degrees
Direction of infeed	horizontal and oblique
Cutting width a_e for milling operation	0.3×D for side milling mm
Cutting width a_e for milling operation	Full slot cutting depth 1×D mm
Machining strategy	HPC
Through-coolant	no
suitable arbor	GARANT TopCut
Type of product	Cutter insert for milling

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	530 m/min	N
Aluminium (short chipping)	suitable	500 m/min	N
Alu > 10% Si	suitable	450 m/min	N
CuZn	suitable only under restricted conditions	320 m/min	N
Oil	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

Accessories

Plug-in adapter for torque wrench Type 16X5	219986 16X5
Assembly wrench Type 16X5	219987 16X5

