

Garant
Milling head, 45° chamfer HPC, uncoated, Ø D h10: 12mm

Order data

Order number	210350 12
GTIN	4045197523396
Item class	21M

Description
Note:

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

Technical description

Cutter Ø D	12 mm
Flute length L_2	12 mm
Head length l	22 mm
Corner chamfer width at 45°	0.24 mm
Feed f_z for side milling in short-chipping aluminium	0.13 mm
Feed f_z for slot milling in short-chipping aluminium	0.11 mm
Arbor size	12 mm
Corner chamfer angle	45 degrees
Overall length L	36.1 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 10X4	219986 10X4
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Assembly wrench Type 10X4

219987 10X4