

Garant
Torus milling head HPC, HB7820, Ø D h10 / R: 12/1mm

Order data

Order number	210255 12/1
GTIN	4045197607508
Item class	21M

Description
Note:

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

Technical description

Head length l	16 mm
Flute length L ₂	9 mm
Milling head Ø D	12 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
Corner radius	1 mm
Arbor size	12 mm
Number of cutting edges Z	3
Series	TopCut
Grade	HB7820
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W

Helix angle	42 degrees
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Machining strategy	HPC
Through-coolant	yes
Shank type	GARANT TopCut
Type of product	Cutter insert for milling

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	580 m/min	N
Aluminium (short chipping)	suitable	550 m/min	N
Alu > 10% Si	suitable	400 m/min	N
CuZn	suitable	350 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
Air	suitable only under restricted conditions		