

Garant
Torus milling head, hard machining, HB7730, $\varnothing D$ h10 / R: 12/2mm


Order data

Order number	210265 12/2
GTIN	4045197608048
Item class	21M

Technical description

Head length l	16 mm
Flute length L_2	9 mm
Milling head $\varnothing D$	12 mm
Corner radius	2 mm
Average chip thickness h_{\max} for TPC milling in steel < 900 N/mm ²	0.05 mm
Arbor size	12 mm
Number of cutting edges Z	4
Series	TopCut
Grade	HB7730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Helix angle	45 degrees
Direction of infeed	horizontal, oblique and vertical

Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Cutting width a_e for milling operation	$0.05 \times D$ for copy milling
Cutting width a_e for milling operation	$0.3 \times D$ for side milling
Cutting width a_e for milling operation	$0.5 \times D$ for side milling
Machining strategy	HPC
Through-coolant	no
Shank type	GARANT TopCut
Type of product	Cutter insert for milling

User data

	Suitability	V_c	ISO code
Steel < 1400 N/mm ²	suitable	130 m/min	P
Steel < 55 HRC	suitable	65 m/min	H
Steel < 60 HRC	suitable	55 m/min	H
dry	suitable only under restricted conditions		
Air	suitable		