

Garant
End milling head, 45° chamfer, HB730, Ø D h10: 12mm

Order data

Order number	210250 12
GTIN	4045197523075
Item class	21M

Description
Note:

Standard application values for $a_{p\max} \leq 0.5 \times D$.

Technical description

Cutter Ø D	12 mm
Head length l	16 mm
Flute length L_2	9 mm
Corner chamfer width at 45°	0.24 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.07 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.05 mm
Arbor size	12 mm
Corner chamfer angle	45 degrees
Number of cutting edges Z	4
Series	TopCut
Grade	HB730
Tool material	Solid carbide
Standard	Manufacturer's standard

Type	N
Helix angle	38 degrees
Direction of infeed	horizontal, oblique and vertical
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
Steel < 500 N/mm ²	suitable	210 m/min	P
Steel < 750 N/mm ²	suitable	170 m/min	P
Steel < 900 N/mm ²	suitable	150 m/min	P
Steel < 1100 N/mm ²	suitable	130 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	110 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	50 m/min	H
Steel < 60 HRC	suitable only under restricted conditions	40 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	50 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	80 m/min	S
GG(G)	suitable	160 m/min	K
Oil	suitable only under restricted conditions		
wet maximum	suitable		

wet minimum	suitable only under restricted conditions
dry	suitable only under restricted conditions
Air	suitable

Accessories

Assembly wrench Type 10X4	219987 10X4
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