

Garant
Copy milling head, hard machining, HB7730, Ø D h10: 16mm

Order data

Order number	210370 16
GTIN	4045197523488
Item class	21M

Technical description

Flute length L_2	12 mm
Head length l	20 mm
Cutter Ø D	16 mm
maximum cutting depth $a_{p\max}$ in steel < 60 HRC	0.5 mm
Arbor size	16 mm
Free length	20 mm
Feed f_z for copy milling in steel < 60 HRC	0.06 mm
Number of cutting edges Z	4
Series	TopCut
Grade	HB7730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Helix angle	15 degrees
Direction of infeed	horizontal and oblique

Cutting width a_e for milling operation	0.05×D for copy milling
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

Plug-in adapter for torque wrench Type 13X4	219986 13X4
Assembly wrench Type 13X4	219987 13X4