

Garant
Copy milling head, hard machining, HB7730, Ø D h10: 12mm

Order data

Order number	210370 12
GTIN	4045197523471
Item class	21M

Technical description

Head length l	16 mm
Flute length L ₂	9 mm
Cutter Ø D	12 mm
maximum cutting depth a _{p max} in steel < 60 HRC	0.4 mm
Arbor size	12 mm
Free length	16 mm
Feed f _z for copy milling in steel < 60 HRC	0.05 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

Assembly wrench Type 10X4	219987 10X4
Plug-in adapter for torque wrench Type 10X4	219986 10X4