

**Garant****Copy milling head, hard machining, HB7730, Ø D h10: 25mm****Order data**

Order number	210370 25
GTIN	4045197543172
Item class	21M

**Technical description**

Flute length $L_2$	19 mm
maximum cutting depth $a_{p\max}$ in steel < 60 HRC	0.75 mm
Cutter Ø D	25 mm
Head length l	32 mm
Arbor size	24 mm
Free length	32 mm
Feed $f_z$ for copy milling in steel < 60 HRC	0.1 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 <sup>2</sup>	suitable	210 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	150 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	130 m/min	P
Steel < 1400 N/mm <sup>2</sup>	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 <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	50 m/min	M
Ti > 850 N/mm <sup>2</sup>	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		

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## Accessories

Assembly wrench Type 21X5	219987 21X5
Plug-in adapter for torque wrench Type 21X5	219986 21X5