

Garant**Copy milling head HPC, uncoated, Ø D h10: 20mm****Order data**

Order number	210355 20
GTIN	4045197557711
Item class	21M

Technical description

Cutter Ø D	20 mm
Head length l	25 mm
Flute length L ₂	15 mm
maximum cutting depth a _{p max}	10 mm
Feed f _z for copy milling in short-chipping aluminium	0.16 mm
Arbor size	20 mm
Free length	25 mm
Number of cutting edges Z	4
Series	TopCut
Coating	uncoated
Grade	HU730
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle	32 degrees

Helix angle characteristic	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	$0.05 \times D$ for side milling
Cutting width a_e for milling operation	$0.5 \times D$ for copy milling
Machining strategy	HPC
Through-coolant	no
suitable arbor	GARANT TopCut
Type of product	Cutter insert for milling

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	530 m/min	N
Aluminium (short chipping)	suitable	500 m/min	N
Alu > 10% Si	suitable	450 m/min	N
CuZn	suitable only under restricted conditions	320 m/min	N
Oil	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

Accessories

Assembly wrench Type 16X5	219987 16X5
Plug-in adapter for torque wrench Type 16X5	219986 16X5

