

Garant
Copy milling head HPC, uncoated, Ø D h10: 12mm

Order data

Order number	210355 12
GTIN	4045197557698
Item class	21M

Technical description

Head length l	16 mm
Cutter Ø D	12 mm
Flute length L ₂	9 mm
maximum cutting depth a _{p max}	6 mm
Feed f _z for copy milling in short-chipping aluminium	0.1 mm
Arbor size	12 mm
Free length	16 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

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

