

**Garant****Copy milling head HPC, uncoated, Ø D h10: 16mm****Order data**

Order number	210355 16
GTIN	4045197557704
Item class	21M

**Technical description**

Head length l	20 mm
Flute length $L_2$	12 mm
Cutter Ø D	16 mm
maximum cutting depth $a_{p\max}$	8 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.13 mm
Arbor size	16 mm
Free length	20 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 13X4	219987 13X4
Plug-in adapter for torque wrench Type 13X4	219986 13X4

