HAME

HAIMER MILL solid carbide torus cutter, AlTiN, Ø f9 DC / R1: 20/3,0mm



Order data

Order number	220296 20/3,0
GTIN	4034221161758
Item class	26X

Description

Version:

For **general-purpose use** in steel materials and high-alloy steels, especially stainless steel. With **cylindrical core** for optimum tool stiffness when milling slots. Reliable processes guaranteed when ramping and during circular interpolation milling thanks to **special end face geometry. Note:**

For **HB** use order **No. 220297**.

Tool arbor with the SAFE-LOCK pull-out protection can be found under clamping technology.

Technical description

Helix angle	32 degrees
Cutting edge $Ø D_c$	20 mm
Shank	DIN 6535 HA to h6
Flute length L_c	38 mm
Corner radius R ₁	3 mm
Recess Ø D ₁	19 mm
No. of teeth Z	4
Feed f_z for side milling in steel < 900 N/mm ²	0.13 mm
Shank Ø D₅	20 mm
Overall length L	105 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.11 mm

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Overhang length L ₁ incl. recess	52 mm	
Coating	AlTiN	
Tool material	Solid carbide	
Standard	DIN 6527	
Туре	Ν	
Tolerance nominal Ø	f9	
Helix angle characteristic	unequal spacing	
Spacing of the cutters	unequal spacing	
Direction of infeed	horizontal, oblique and vertical	
Cutting width a_e for milling operation	Full slot cutting depth 1×D	
Cutting width a_e for milling operation	0.5×D for side milling	
rough-coolant no		
Machining strategy	HPC	
Type of product	Torus cutter	

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions		
Aluminium (short chipping)	suitable only under restricted conditions	480 m/min	Ν
Alu > 10% Si	suitable only under restricted conditions	375 m/min	Ν
Steel < 500 N/mm ²	Suitable		
Steel < 750 N/mm ²	Suitable		
Steel < 900 N/mm ²	Suitable		
Steel < 1100 N/mm ²	Suitable		
INOX < 900 N/mm ²	Suitable		
INOX > 900 N/mm ²	Suitable		

Data sheet

Ti > 850 N/mm ²	suitable only under restricted conditions	
GG(G)	suitable only under restricted conditions	
Uni	Suitable	
Oil	Suitable	
wet maximum	suitable	
wet minimum	Suitable	
dry	Suitable	
Air	Suitable	