

DUO-LOCK HAIMER MILL HPC, AITIN, Ø f9 D1: 20mm



Order data

Order number	220312 20
GTIN	4034221103345
Item class	26Y

Description

Version:

DUO-LOCK HAIMER MILL: Can be used as a universal tool. Unique end face geometry for ramping and circular interpolation milling. First choice for applications with short overhangs. **DUO-LOCK HAIMER MILL Power Series:** First choice for applications with long overhangs and unstable clamping conditions. For particularly smooth running on long overhangs it is preferable to use solid carbide extensions.

Note:

Standard application values for slots milled from solid at a_{pmax} </= 0.5 × D.

Technical description

DUO-LOCK interface	DL20
Corner chamfer angle	90 degrees
Overhang L ₁	15 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.05 mm
Flute length L ₂	15 mm
Cutter Ø D	20 mm
\emptyset D ₂	19.3 mm

Tolerance nominal Ø	f8	
Width across flats AF	16 mm	
recommended tightening torque	80 Nm	
Overall length L	25 mm	
Number of cutting edges Z	3	
Coating	AlTiN	
Tool material	Solid carbide	
Standard	Manufacturer's standard	
Туре	N	
Spacing of the cutters	unequal spacing	
Helix angle	36 degrees	
Helix angle characteristic	unequal spacing	
Direction of infeed	horizontal, oblique and vertical	
Cutting width a _e for milling operation	0.05×D for side milling	
Cutting width a _e for milling operation	Full slot cutting depth 1×D	
Machining strategy	HPC	
Through-coolant	no	
suitable arbor	with threaded shank	
Type of product	Cutter insert for milling	

User data

	Suitability	\mathbf{V}_{c}	ISO code
Alu plastics	suitable only under restricted conditions	700 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	700 m/min	N
Alu > 10% Si	suitable only under restricted conditions	235 m/min	N
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 only under restricted conditions	
INOX > 900 N/mm ²	suitable only under restricted conditions	
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	