



## DUO-LOCK HAIMER MILL HPC, AlTiN, Ø f9 D1: 16mm



### Order data

Order number	220348 16
GTIN	4034221116024
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.

### Technical description

Number of cutting edges Z	4
Tolerance nominal Ø	f9
Overall length L	20 mm
Cutter Ø D	16 mm
recommended tightening torque	60 Nm
Width across flats AF	13 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.08 mm
Overhang L <sub>1</sub>	12 mm
Ø D <sub>2</sub>	15.5 mm
DUO-LOCK interface	DL16

Feed $f_z$ for copy milling in steel < 900 N/mm <sup>2</sup>	0.04 mm
Coating	AlTiN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle	32 degrees
Helix angle characteristic	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.5×D for side milling
Cutting width $a_e$ for milling operation	0.5×D for copy milling
Machining strategy	HPC
Through-coolant	no
suitable arbor	with threaded shank
Type of product	Cutter insert for milling

## User data

	Suitability	$V_c$	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 <sup>2</sup>	suitable	220 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	160 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	120 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	80 m/min	M

INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions		
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions		
GG(G)	suitable only under restricted conditions	130 m/min	K
Uni	suitable		
Oil	suitable		
wet maximum	suitable		
wet minimum	suitable		
dry	suitable		
Air	suitable		