


**DUO-LOCK HAIMER MILL Power Series HPC, AlTiN, Ø f9 D1: 10mm**

**Order data**

Order number	220320 10
GTIN	4034221134196
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**

Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.015 mm
Cutter $\varnothing D$	10 mm
Corner chamfer width at $45^\circ$	0.2 mm
Flute length $L_2$	15 mm
recommended tightening torque	20 Nm
Tolerance nominal $\varnothing$	f8
Width across flats AF	8 mm
Overhang $L_1$	15 mm
$\varnothing D_2$	9.6 mm
Overall length L	20 mm

DUO-LOCK interface	DL10
Corner chamfer angle	45 degrees
Number of cutting edges Z	4
Coating	AlTiN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Spacing of the cutters	unequal spacing
Helix angle	37 degrees
Helix angle characteristic	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side 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	240 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	240 m/min	N
Alu > 10% Si	suitable only under restricted conditions	120 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	200 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	90 m/min	P

INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	S
GG(G)	suitable only under restricted conditions	110 m/min	K
Uni	suitable		
Oil	suitable		
wet maximum	suitable		
wet minimum	suitable		
dry	suitable		
Air	suitable		