

Solid carbide deburrer, spiral flutes 60°, TiSiN, Ø h6 DC: 12Mmm



Order data

Order number	208165 12M		
GTIN	4062406380380		
Item class	11X		

Description

Version:

Outstanding surface qualities thanks to the 35° helix angle.

Deburrer for **universal application** on virtually all materials. The newly developed coating effectively prevents built-up edges, even in aluminium or stainless steel.

Tolerance: **Dimension S** = \pm **0.2 mm. Point angle \pm5 arc minutes.** Extra-long deburrers for outstanding deburring results on particularly difficult-to-access contours. Tools without tip.

Application:

Perfectly suitable for **chamfering** and **deburring** component edges and for **contouring applications**.

No. of teeth Z: 4

Shank: DIN 6535 HA to h6

Chamfer mill: 30 ° small \varnothing D₃: 6 mm large \varnothing D₂: 12 mm No. of teeth Z: 4 Dimension S: 5.9 mm Overall length L: 120 mm Shank \varnothing D₅: 12 mm

Technical description

No. of teeth Z	4		
Shank	DIN 6535 HA to h6		
large \emptyset D_2	12 mm		

Shank Ø D _s	12 mm		
small Ø D₃	6 mm		
Overall length L	120 mm		
Dimension S	5.9 mm		
Corner chamfer angle	60 °		
Chamfer mill	30 °		
Feed f_z in steel < 900 N/mm ²	0.06 mm		
Cutting edge Ø D _c	12 mm		
Coating	TiSiN		
Tool material	Solid carbide		
Standard	Manufacturer's standard		
Туре	N		
Tolerance nominal Ø	h6		
Helix angle	35 °		
Direction of infeed	horizontal and oblique		
Countersink tip angle	60 °		
Through-coolant	no		
Shank tolerance	h6		
Colour ring	green		
Type of product	Deburrers		

User data

	Suitability	V _c	ISO code
Alu plastics	Suitable only under restricted conditions	180 m/min	N
Aluminium (short chipping)	suitable	300 m/min	N
Alu > 10% Si	suitable	220 m/min	N
Steel < 500 N/mm ²	suitable	130 m/min	Р

Steel < 750 N/mm ²	suitable	115 m/min	Р
Steel < 900 N/mm ²	suitable	110 m/min	Р
Steel < 1100 N/mm ²	suitable	80 m/min	Р
Steel < 1400 N/mm ²	Suitable only under restricted conditions	65 m/min	Р
Steel < 55 HRC	Suitable only under restricted conditions	35 m/min	Н
INOX < 900 N/mm ²	suitable	90 m/min	М
INOX > 900 N/mm ²	suitable	70 m/min	М
Ti > 850 N/mm ²	suitable	50 m/min	S
GG(G)	suitable	100 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	Suitable only under restricted conditions		
Air	Suitable only under restricted conditions		