

# Solid carbide forward / reverse deburring tool with helix angle, TiSiN, $\varnothing$ DC: 3mm



#### Order data

Order number	208181 3
GTIN	4067263107408
Item class	11X

## **Description**

#### **Version:**

#### Extra-long shank.

Double ground head with 45° angle.

The helix angle ground into the head on both sides produces a much softer cut and thus an excellent surface quality. For universal application in virtually all materials. The newly developed coating effectively prevents the formation of built-up edges – even in aluminium and corrosion-resistant steels (INOX). Pointed version

#### **Application:**

For **forward** and **reverse deburring** and **chamfering** even where access is difficult. Particularly suitable for **contouring applications**.

#### Note:

Successor product to No. 208180.

## **Technical description**

Corner chamfer angle	45 degrees		
Ø D <sub>1</sub> +0.05	2.2 mm		
Overall length L	75 mm		
Cutting edge Ø D <sub>c</sub>	3 mm		
Chamfer mill	backwards and forwards 45		
Shape	Pointed		
L <sub>2</sub> +0.5	2 mm		
L <sub>4</sub> +0.5	10 mm		

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.025 mm		
Shank Ø D <sub>s</sub>	4 mm		
No. of teeth Z	5		
Helix angle	5 degrees		
Coating	TiSiN		
Tool material	Solid carbide		
Standard	Works standard		
Туре	N		
Tolerance nominal Ø	±0.05		
Countersink tip angle	90 degrees		
Cutting width a <sub>e</sub> for milling operation	0.25×L2 for side milling		
Shank	DIN 6535 HA to h6		
Through-coolant	no		
Shank tolerance	h6		
Colour ring	without		
Type of product	Deburrers		

## **User data**

	Suitability	<b>V</b> <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable	130 m/min	N
Alu > 10% Si	suitable	80 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	75 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	75 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	50 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable	45 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable	40 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	М

Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	20 m/min	S
GG(G)	suitable	50 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		