


**Solid carbide deburrer 60°, TiAlN, Ø h6 DC: 12mm**

**Order data**

Order number	208161 12
GTIN	4045197199898
Item class	12X

**Description**
**Version:**

Tolerance: **Dimension S = ±0.1 mm, point angle ±10 arc minutes.**

**Application:**

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

**Technical description**

Dimension S	11.9 mm
Feed $f_z$ in steel < 900 N/mm <sup>2</sup>	0.06 mm
Cutting edge Ø $D_c$	12 mm
No. of teeth Z	4
Shank Ø $D_s$	12 mm
Overall length L	74 mm
Shank	DIN 6535 HB to h6
Corner chamfer angle	60 degrees
Chamfer mill	30 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N

Tolerance nominal $\varnothing$	h6
Direction of infeed	horizontal and oblique
Countersink tip angle	60 degrees
Through-coolant	no
Shank tolerance	h6
Colour ring	without
Type of product	Deburrers

### User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable	280 m/min	N
Alu > 10% Si	suitable	200 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	105 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	100 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	60 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	35 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	80 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	60 m/min	M
GG(G)	suitable	90 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