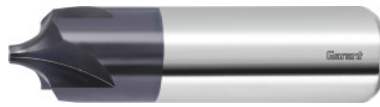


**Garant**
**Solid carbide corner rounding cutter, TiAlN, Radius r: 4,5mm**

**Order data**

Order number	208020 4,5
GTIN	4045197129024
Item class	11X

**Description**
**Version:**
**Straight fluted, without profile distortion.**

Tolerance:  $r = \pm 0.01 \text{ mm}$ .

**Application:**

For rounding and deburring **edges**.

**Technical description**

No. of teeth Z	4
Radius r	4.5 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.035 mm
small $\varnothing D_3$	7 mm
large $\varnothing D_2$	16 mm
Shank $\varnothing D_s$	16 mm
Overall length L	80 mm
Flute length $L_c$	4.5 mm
Radius milling	forwards
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard

Type	N
Tolerance of radius contour	± 0.01
Direction of infeed	horizontal
Shank	DIN 6535 HA to h6
Through-coolant	no
Shank tolerance	h6
Colour ring	without
Type of product	corner rounding cutter, HSS-Co5

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	800 m/min	N
Aluminium (short chipping)	suitable	600 m/min	N
Alu > 10% Si	suitable	400 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	190 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	160 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	95 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	90 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	75 m/min	M
GG(G)	suitable	120 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		

## Services

Shank grinding Type HB

129100 HB