

**Garant**
**Solid carbide milling cutter, AlCrN, Ø e8 DC: 5,5mm**

**Order data**

Order number	202294 5,5
GTIN	4045197866219
Item class	11X

**Description**
**Version:**

Dimensions similar to **DIN 6527**.

Improved coating for general-purpose applications in steel and cast iron.

**Technical description**

Flute length $L_c$	13 mm
Feed $f_z$ for side milling in steel $< 750 \text{ N/mm}^2$	0.04 mm
Shank $\varnothing D_s$	6 mm
Tolerance nominal $\varnothing$	e8
Corner chamfer width at $45^\circ$	0.2 mm
Overall length $L$	57 mm
Feed $f_z$ for slot milling in steel $< 750 \text{ N/mm}^2$	0.03 mm
No. of teeth $Z$	3
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	5.5 mm
Recess $\varnothing D_1$	5.3 mm
Overhang length $L_1$ incl. recess	21 mm
Shank form	HB
Shank	DIN 6535 HB to h6

Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	AlCrN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Cutting width $a_e$ for milling operation	0.5×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	without
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	110 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
INOX < 900 N/mm <sup>2</sup>	suitable	70 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	50 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		

wet minimum	suitable
dry	suitable only under restricted conditions
Air	suitable