

**Garant**
**Solid carbide milling cutter, AlCrN, Ø e8 DC: 12 mm**

**Order data**

Order number	202293 12
GTIN	4045197931313
Item class	11X

**Description**
**Version:**

Dimensions similar to **DIN 6527**.

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

**Note:**
**Successor product to No. 202320.**

Through-coolant: no

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length  $L_c$ : 26 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 11.8 mm

Overall length L: 83 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Cutting edge Ø $D_c$	12 mm
Shank	DIN 6535 HB to h6
Feed $f_z$ for side milling in steel < 750 N/mm <sup>2</sup>	0.1 mm
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.07 mm
Overall length L	83 mm

Overhang length $L_1$ incl. recess	38 mm
Helix angle	45 degrees
Tolerance nominal $\varnothing$	e8
Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	12 mm
Flute length $L_c$	26 mm
Recess $\varnothing D_1$	11.8 mm
No. of teeth Z	3
Corner chamfer width at 45°	0.1 mm
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 mill