

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

**Order data**

Order number	202815 12
GTIN	4045197947772
Item class	11X

**Description**
**Version:**

Double relief ground side clearance angle.

With **high-performance coating** for general-purpose use.

Through-coolant: no

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 35 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 48 mm

Overall length L: 120 mm

Shank Ø  $D_s$ : 12 mm

Shank form: HB

Corner chamfer width at 45°: 0.1 mm

**Technical description**

No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
Shank Ø $D_s$	12 mm
Overall length L	120 mm
Helix angle	35 degrees
Tolerance nominal Ø	e8

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.08 mm
Shank	DIN 6535 HB to h6
Cutting edge $\varnothing D_c$	12 mm
Corner chamfer width at 45°	0.1 mm
Shank form	HB
Flute length $L_c$	48 mm
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width $a_e$ for milling operation	0.3×D for side milling
Through-coolant	no
Colour ring	without
Type of product	End mill