

**Garant**
**Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 16 mm**

**Order data**

Order number	206266 16
GTIN	4045197860682
Item class	11X

**Description**
**Version:**

Special centre cutting edge geometry for traverse milling at very high feed rates.

Tolerance: Corner radius  $R_1 = \pm 0.01$  mm.

**Application:**

**For copy and traverse milling** over the full range of hard machining **under HPC/HSC conditions.**

Using special milling strategies **very high rates of metal removal can be achieved.**

**Note:**

**Successor product to No. 206272.**

**Tools can be reground.**

No. of teeth Z: 4

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Dimension  $a_{p\ max}$  transverse: 1 mm

Programming radius: 2.5 mm

Flute length  $L_c$ : 8.8 mm

Overhang length  $L_1$  incl. recess: 35 mm

Recess  $\varnothing D_1$ : 14.5 mm

**Technical description**

Shank $\varnothing D_s$	16 mm
Cutting edge $\varnothing D_c$	16 mm
Flute length $L_c$	8.8 mm
Feed $f_z$ in steel $< 900$ N/mm <sup>2</sup>	0.344 mm
No. of teeth Z	4

Recess $\varnothing D_1$	14.5 mm
Overhang length $L_1$ incl. recess	35 mm
Dimension $a_{p\ max}$ transverse	1 mm
Overall length $L$	100 mm
Programming radius	2.5 mm
Setting angle $\kappa$	14 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h9
Helix angle	15 degrees
Direction of infeed	horizontal and oblique
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 16 mm	SZ2025 16
Shank grinding Type HB	129100 HB