

**Garant**
**Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 8 mm**

**Order data**

Order number	206262 8
GTIN	4062406279837
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:**
**Tools can be reground.**

With conically increasing recess to guarantee stability at long overhangs.

No. of teeth Z: 5

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Dimension  $a_{p\ max}$  transverse: 0.5 mm

Programming radius: 1 mm

Flute length  $L_c$ : 4.8 mm

Overhang length  $L_1$  incl. recess: 24 mm

minimum shank recess dia.  $D_5$ : 7 mm

**Technical description**

Flute length $L_c$	4.8 mm
Overall length L	70 mm
Feed $f_z$ in steel < 900 N/mm <sup>2</sup>	0.12 mm
No. of teeth Z	5

Programming radius	1 mm
Shank $\varnothing D_s$	8 mm
Cutting edge $\varnothing D_c$	8 mm
Dimension $a_{p\ max}$ transverse	0.5 mm
Setting angle $\kappa$	15 degrees
Overhang length $L_1$ incl. recess	24 mm
maximum shank recess dia. $D_6$	7.9 mm
minimum shank recess dia. $D_5$	7 mm
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	0.5×D for side milling
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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