

Garant

Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 5 mm



Order data

Order number	206266 5
GTIN	4045197860637
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: 0.35 mm

Programming radius: 0.5 mm

Flute length L_c : 3.5 mm

Overhang length L_1 incl. recess: 18 mm

Recess $\varnothing D_1$: 4.6 mm

Technical description

Overall length L	65 mm
Cutting edge $\varnothing D_c$	5 mm
Overhang length L_1 incl. recess	18 mm
Programming radius	0.5 mm
Flute length L_c	3.5 mm

Shank $\varnothing D_s$	6 mm
Recess $\varnothing D_1$	4.6 mm
Dimension $a_{p \max}$ transverse	0.35 mm
Feed f_z in steel $< 900 \text{ N/mm}^2$	0.099 mm
No. of teeth Z	4
Setting angle κ	9.5 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 grinding Type HB	129100 HB
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