

Garant
Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 6 mm

Order data

Order number	206262 6
GTIN	4062406279820
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

No. of teeth Z: 5

Dimension $a_{p\ max}$ transverse: 0.4 mm

Programming radius: 1 mm

Flute length L_c : 3.5 mm

Overhang length L_1 incl. recess: 20 mm

minimum shank recess dia. D_5 : 5.2 mm

Technical description

Overall length L	65 mm
Overhang length L_1 incl. recess	20 mm
Programming radius	1 mm
Shank Ø D_5	6 mm
No. of teeth Z	5

Setting angle κ	12.5 degrees
Dimension $a_{p\ max}$ transverse	0.4 mm
Feed f_z in steel < 900 N/mm ²	0.09 mm
Flute length L_c	3.5 mm
Cutting edge $\varnothing D_c$	6 mm
minimum shank recess dia. D_5	5.2 mm
maximum shank recess dia. D_6	5.9 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
------------------------	-----------