

Garant
Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 12 mm

Order data

Order number	206263 12
GTIN	4062406279905
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: 6

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Dimension $a_{p \max}$ transverse: 0.8 mm

Programming radius: 2 mm

Flute length L_c : 6.8 mm

Overhang length L_1 incl. recess: 56 mm

minimum shank recess dia. D_s : 11 mm

Technical description

Setting angle κ	15 degrees
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Overall length L	120 mm
No. of teeth Z	6

Feed f_z in steel < 900 N/mm ²	0.2 mm
Overhang length L_1 incl. recess	56 mm
Programming radius	2 mm
Flute length L_c	6.8 mm
Dimension $a_{p\ max}$ transverse	0.8 mm
minimum shank recess dia. D_5	11 mm
maximum shank recess dia. D_6	11.9 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	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
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12