

Garant
Diabolo solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 16 mm

Order data

Order number	206273 16
GTIN	4045197860835
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, coating and carbide for hard machining.

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

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

Application:

For copy and traverse milling in hard machining **under HPC / HSC conditions**. Special milling strategies allow **very high metal removal rates**.

Note:

Successor product to No. 206276.

Tools can be reground.

No. of teeth Z: 4

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

No. of teeth Z	4
Recess $\varnothing D_1$	14.5 mm
Overall length L	100 mm
Flute length L_c	8.8 mm

Programming radius	2.5 mm
Shank $\varnothing D_s$	16 mm
Cutting edge $\varnothing D_c$	16 mm
Overhang length L_1 incl. recess	35 mm
Dimension $a_{p\ max}$ transverse	0.5 mm
Feed f_z in steel < 60 HRC	0.229 mm
Setting angle κ	7 degrees
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	h9
Helix angle	12 degrees
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	Full slot cutting depth 1xD
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	red
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