

Garant
Diabolo solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 3 mm

Order data

Order number	206273 3
GTIN	4045197860767
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: 2

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Dimension $a_{p,max}$ transverse: 0.1 mm

Programming radius: 0.3 mm

Flute length L_c : 1.5 mm

Overhang length L_1 incl. recess: 15 mm

Recess $\varnothing D_1$: 2.7 mm

Technical description

Overall length L	54 mm
Flute length L_c	1.5 mm
No. of teeth Z	2
Cutting edge $\varnothing D_c$	3 mm

Dimension $a_{p \max}$ transverse	0.1 mm
Programming radius	0.3 mm
Feed f_z in steel < 60 HRC	0.05 mm
Recess $\varnothing D_1$	2.7 mm
Overhang length L_1 incl. recess	15 mm
Shank $\varnothing D_s$	6 mm
Setting angle κ	8.5 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 $1 \times D$
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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