Garant

GARANT Master Steel solid carbide torus cutter HPC, TiAlN, ∅ e8 DC / R1: 16/1,0 mm

Order data

Order number	206335 16/1,0
GTIN	4062406276904
Item class	11X

Description

Version:
HPC milling cutter with **newly developed high-performance coating.** For **outstanding tool life** and **optimum metal removal rates** in a range of materials.
With **double relief ground side clearance angle.**
Tolerance: Corner radius $\mathbf{R_1}$
Radius size 0.1 mm – 1 mm: $\mathbf{R_1 = \pm 0.003}$ **mm.**
Radius size> 1.0 mm – 1 mm : $\mathbf{R_1 = \pm 0.005}$ **mm.**
Advantage:
Optimised flute form, eccentric relief ground, wide chip space.
Application:
Especially for **high speed machining** in **mould and tool making** for **copy milling.** Excellent results for **dry milling.**
No. of teeth Z: 6
Helix angle: 30 degrees
Shank: DIN 6535 HA to h6
No. of teeth Z: 6
Flute length L_c: 16 mm
Corner radius R_1: 1 mm
Overhang length L_1 incl. recess: 92 mm
minimum shank recess dia. D_5: 15 mm
maximum shank recess dia. D_6: 15.8 mm

Technical description

Feed f_z for copy milling in steel < 1100 N/mm^2	0.07 mm

Overall length L	150 mm
Overhang length L_1 incl. recess	92 mm
Cutting edge ∅ D_C	16 mm
Shank	DIN 6535 HA to h6
No. of teeth Z	6
Feed f_z for side milling in steel < 1100 N/mm^2	0.06 mm
Corner radius R_1	1 mm
Shank ∅ D_s	16 mm
Helix angle	30 degrees
Flute length L_c	16 mm
maximum shank recess dia. D_6	15.8 mm
minimum shank recess dia. D_5	15 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal ∅	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.05×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 0,2×D
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill