Garant

Solid carbide torus cutter R1 0.2, Diamond, Ø DC × L1: 2,5X12 mm

Order data

Order number	209721 2,5X12
GTIN	4062406187972
Item class	11Y

Description

Version:
With **crystalline diamond sp^3 coating**. For the **highest demands regarding performance and precision** in fibre-reinforced composites, CRP, GRP, and graphite. **Extremely tight tolerances** ensure maximum accuracy. Double relief ground with 2 hollow-ground chamfers. **Recess angle α = 16°.**
Tolerances:
· **Corner radius: RS_1 = ±0.0025mm**
· **Neck Ø: D_4 = 0 / -0.01 mm**
Note:
At greater tool overhang lengths, use a reduced value for a_p!
Values for:
copying: $a_p = 0.10 \times D \times a_{p\,korr}$
side milling: $a_p = 0.20 \times D \times a_{p\,korr}$
To calculate the feed rate vf please use the actual speed of the machine (the maximum possible speed)!
e.g: vf = 18000 [rpm]× fz [mm/Z]× z
No. of teeth Z: 2
Helix angle: 30 degrees
Shank: DIN 6535 HA to h5
No. of teeth Z: 2
Shank Ø D_s: 4 mm

Technical description

No. of teeth Z	2
Shank Ø D_s	4 mm

Shank	DIN 6535 HA to h5
Helix angle	30 degrees
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal ∅	0 / –0.005
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.05×D for copy milling
Cutting width a_e for milling operation	0.5×D for side milling
Through-coolant	no
Colour ring	black
Type of product	End mill