


**HOLEX Pro Steel solid carbide torus cutter HPC, TiAlN, Ø DC / R1: 12/3,0 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 206357 12/3,0 |
| GTIN         | 4045197770486 |
| Item class   | 12X           |

**Description**
**Version:**

Tolerance: Corner radius  $R_1 = \pm 0.03$  mm.

**Advantage:**

HPC milling cutters will with various corner radii for all radial transitions.

Optimised flute form, eccentric relief ground, wide chip space.

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 26 mm

Corner radius  $R_1$ : 3 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 11.5 mm

Overall length L: 83 mm

**Technical description**

|  |         |
|--|---------|
| Overall length L   | 83 mm   |
| Shank Ø $D_s$  | 12 mm   |
| Recess Ø $D_1$   | 11.5 mm |
| Corner radius $R_1$  | 3 mm    |
| No. of teeth Z   | 4       |
| Flute length $L_c$   | 26 mm   |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.09 mm |

|   |                                      |
|---|--------------------------------------|
| Cutting edge $\varnothing D_c$                              | 12 mm                                |
| Overhang length $L_1$ incl. recess                          | 38 mm                                |
| Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$ | 0.07 mm                              |
| Shank   | DIN 6535 HB to h6                    |
| Helix angle   | 38 degrees                           |
| Series  | HOLEX Pro Steel                      |
| Coating   | TiAlN                                |
| Tool material   | solid carbide                        |
| Standard  | Manufacturer's standard              |
| Type  | N                                    |
| Tolerance nominal $\varnothing$                             | 0 / -0.03                            |
| Helix angle characteristic                                  | unequal spacing                      |
| Spacing of the cutters                                      | unequal spacing                      |
| Direction of infeed   | horizontal, oblique and vertical     |
| Cutting width $a_e$ for milling operation                   | Full slot cutting depth $1 \times D$ |
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| Through-coolant   | no                                   |
| Machining strategy  | HPC                                  |
| Colour ring   | green                                |
| Type of product   | End mill                             |

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank  $\varnothing$  tool 12 mm

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