


**HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 4 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 203052 4      |
| GTIN         | 4045197712370 |
| Item class   | 12X           |

**Description**
**Version:**

For **roughing and finishing**.

Up to 1×D into solid material **at very high feed rates** with smooth cutting action.

At maximum machining depths, ensure compliance with the ratio dimension  $L_c$  (cutting length) /  $\varnothing D_c$  (cutting  $\varnothing$ )!

**Advantage:**

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

Tolerance nominal  $\varnothing$ : 0 / -0.03

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 8 mm

Overall length L: 54 mm

Shank  $\varnothing D_s$ : 6 mm

Corner chamfer width at 45°: 0.18 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.02 mm

**Technical description**

|  |          |
|--|----------|
| Cutting edge $\varnothing D_c$                               | 4 mm     |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.025 mm |
| Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup> | 0.02 mm  |
| No. of teeth Z   | 4        |

|   |                                  |
|---|----------------------------------|
| Corner chamfer width at 45°               | 0.18 mm                          |
| Shank $\varnothing D_s$                   | 6 mm                             |
| Overall length L                          | 54 mm                            |
| Flute length $L_c$                        | 8 mm                             |
| Direction of infeed                       | horizontal, oblique and vertical |
| Shank                                     | DIN 6535 HB to h6                |
| Tolerance nominal $\varnothing$           | 0 / -0.03                        |
| Helix angle                               | 38 degrees                       |
| Corner chamfer angle                      | 45 degrees                       |
| Series                                    | HOLEX Pro Steel                  |
| Coating                                   | TiAlN                            |
| Tool material                             | Solid carbide                    |
| Standard                                  | DIN 6527                         |
| Type                                      | N                                |
| Helix angle characteristic                | unequal spacing                  |
| Spacing of the cutters                    | unequal spacing                  |
| Cutting width $a_e$ for milling operation | 0.5×D for side milling           |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1×D      |
| Through-coolant                           | no                               |
| Machining strategy                        | HPC                              |
| Colour ring                               | green                            |
| Type of product                           | End mill                         |