


**Solid carbide milling cutter, TiAlN, Ø h10 DC: 6mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 203510 6      |
| GTIN         | 4045197964168 |
| Item class   | 12X           |

**Description**
**Version:**

**High stability** and **extremely smooth cutting action due to at least 6 teeth**. Eccentric relief ground. **For profile milling as a finishing operation.**

**Technical description**

|   |                   |
|---|-------------------|
| Shank   | DIN 6535 HA to h6 |
| Tolerance nominal Ø   | h10               |
| Cutting edge Ø D <sub>c</sub>   | 6 mm              |
| Corner chamfer width at 45°   | 0.1 mm            |
| Feed f <sub>z</sub> for side milling in steel < 900 N/mm <sup>2</sup> | 0.054 mm          |
| No. of teeth Z  | 6                 |
| Helix angle   | 45 degrees        |
| Overall length L  | 57 mm             |
| Flute length L <sub>c</sub>   | 13 mm             |
| Direction of infeed   | horizontal        |
| Shank Ø D <sub>s</sub>  | 6 mm              |
| Corner chamfer angle  | 45 degrees        |
| Coating   | TiAlN             |
| Tool material   | Solid carbide     |

|   |                                 |
|---|---------------------------------|
| Standard                                  | DIN 6527                        |
| Type                                      | N                               |
| Cutting width $a_e$ for milling operation | $0.1 \times D$ for side milling |
| Through-coolant                           | no                              |
| Colour ring                               | without                         |
| Type of product                           | End / face mill                 |

## User data

|                                | Suitability                               | $V_c$     | ISO code |
|--------------------------------|---|-----------|----------|
| Aluminium (short chipping)     | suitable only under restricted conditions | 600 m/min | N        |
| Alu > 10% Si                   | suitable only under restricted conditions | 400 m/min | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 190 m/min | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 170 m/min | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 160 m/min | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 95 m/min  | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 85 m/min  | P        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 90 m/min  | M        |
| GG(G)                          | suitable                                  | 120 m/min | K        |
| Uni                            | suitable only under restricted conditions |           |          |
| wet maximum                    | suitable                                  |           |          |
| wet minimum                    | suitable only under restricted conditions |           |          |
| dry                            | suitable only under restricted conditions |           |          |
| Air                            | Suitable only under restricted conditions |           |          |

## Services

Shank grinding Type HB

129100 HB