

**Garant**
**Solid carbide milling cutter, TiAlN, Ø e8 DC: 8mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 202815 8      |
| GTIN         | 4045197947758 |
| Item class   | 11X           |

**Description**
**Version:**

Double relief ground side clearance angle.

With **high-performance coating** for general-purpose use.

**Technical description**

|   |                                  |
|---|----------------------------------|
| Cutting edge Ø D <sub>c</sub>   | 8 mm                             |
| Shank Ø D <sub>s</sub>  | 8 mm                             |
| No. of teeth Z  | 4                                |
| Shank   | DIN 6535 HB to h6                |
| Shank form  | HB                               |
| Corner chamfer width at 45°   | 0.07 mm                          |
| Helix angle   | 35 degrees                       |
| Feed f <sub>z</sub> for side milling in steel < 900 N/mm <sup>2</sup> | 0.045 mm                         |
| Overall length L  | 100 mm                           |
| Direction of infeed   | horizontal, oblique and vertical |
| Flute length L <sub>c</sub>   | 32 mm                            |
| Tolerance nominal Ø   | e8                               |
| Corner chamfer angle  | 45 degrees                       |
| Coating   | TiAlN                            |

|   |                         |
|---|-------------------------|
| Tool material                             | Solid carbide           |
| Standard                                  | Manufacturer's standard |
| Type                                      | N                       |
| Cutting width $a_e$ for milling operation | 0.3×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 | 280 m/min | N        |
| Alu > 10% Si                   | suitable only under restricted conditions | 200 m/min | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 120 m/min | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 105 m/min | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 100 m/min | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 70 m/min  | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 60 m/min  | P        |
| Steel < 55 HRC                 | suitable                                  | 35 m/min  | H        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 80 m/min  | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 60 m/min  | M        |
| GG(G)                          | suitable                                  | 90 m/min  | K        |
| Uni                            | suitable                                  |           |          |
| wet maximum                    | suitable                                  |           |          |
| wet minimum                    | suitable only under restricted conditions |           |          |
| dry                            | suitable only under restricted conditions |           |          |

Air

suitable only under  
restricted conditions