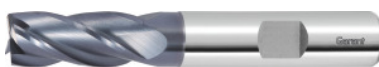


**Garant**
**Solid carbide milling cutter, TiAlN, Ø e8 DC: 6mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 202720 6      |
| GTIN         | 4045197117861 |
| Item class   | 11X           |

**Description**
**Version:**

Double relief ground side clearance angle.

**Technical description**

|                                                             |                                  |
|-------------------------------------------------------------|----------------------------------|
| Overhang length $L_1$ incl. recess                          | 21 mm                            |
| Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$ | 0.03 mm                          |
| Shank form                                                  | HB                               |
| Recess Ø $D_1$                                              | 5.8 mm                           |
| Corner chamfer width at $45^\circ$                          | 0.07 mm                          |
| Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$ | 0.033 mm                         |
| Cutting edge Ø $D_c$                                        | 6 mm                             |
| No. of teeth $Z$                                            | 4                                |
| Shank Ø $D_s$                                               | 6 mm                             |
| Overall length $L$                                          | 58 mm                            |
| Flute length $L_c$                                          | 16 mm                            |
| Direction of infeed                                         | horizontal, oblique and vertical |
| Shank                                                       | DIN 6535 HB to h6                |
| Tolerance nominal Ø                                         | e8                               |
| Helix angle                                                 | 30 degrees                       |

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Corner chamfer angle                      | 45 degrees                  |
| Coating                                   | TiAlN                       |
| Tool material                             | Solid carbide               |
| Standard                                  | Manufacturer's standard     |
| Type                                      | H                           |
| Cutting width $a_e$ for milling operation | 0.3×D for side milling      |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1×D |
| 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        |
| 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                                  |           |          |
| Air                            | Suitable                                  |           |          |

