

**Garant**
**Solid carbide milling cutter, uncoated, Ø e8 DC: 18 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 202640 18     |
| GTIN         | 4045197117700 |
| Item class   | 11X           |

**Description**
**Version:**

Double relief ground side clearance angle.  
 Through-coolant: no  
 Tolerance nominal Ø: e8  
 No. of teeth Z: 4  
 Helix angle: 30 degrees  
 Direction of infeed: horizontal, oblique and vertical  
 Shank: DIN 6535 HB to h6  
 No. of teeth Z: 4  
 Flute length  $L_c$ : 35 mm  
 Overhang length  $L_1$  incl. recess: 45 mm  
 Recess Ø  $D_1$ : 17.8 mm  
 Overall length L: 100 mm  
 Shank Ø  $D_s$ : 18 mm

**Technical description**

|  |         |
|--|---------|
| Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup> | 0.08 mm |
| Shank form   | HB      |
| Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup> | 0.1 mm  |
| Overhang length $L_1$ incl. recess                           | 45 mm   |
| Recess Ø $D_1$   | 17.8 mm |
| Cutting edge Ø $D_c$   | 18 mm   |
| Corner chamfer width at 45°                                  | 0.18 mm |

|   |                                  |
|---|----------------------------------|
| No. of teeth Z                            | 4                                |
| Shank $\varnothing D_s$                   | 18 mm                            |
| Overall length L                          | 100 mm                           |
| Flute length $L_c$                        | 35 mm                            |
| Direction of infeed                       | horizontal, oblique and vertical |
| Shank                                     | DIN 6535 HB to h6                |
| Tolerance nominal $\varnothing$           | e8                               |
| Helix angle                               | 30 degrees                       |
| Corner chamfer angle                      | 45 degrees                       |
| Coating                                   | uncoated                         |
| Tool material                             | Solid carbide                    |
| Standard                                  | Manufacturer's standard          |
| Type                                      | N                                |
| 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 mill                         |

## Services

|                        |             |
|------------------------|-------------|
| Shank recess Type FRST | 209900 FRST |
|------------------------|-------------|