

**Garant**
**Solid carbide milling cutter MTC, DLC, Ø h6 DC: 12 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 202274 12     |
| GTIN         | 4045197655110 |
| Item class   | 11X           |

**Description**
**Version:**

With the latest generation of **DLC coating sp<sup>2</sup>**.

**Eccentric relief ground**, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium components.

**Application:**

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

**Note:**

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 202017.**

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L<sub>c</sub>: 19 mm

Overhang length L<sub>1</sub> incl. recess: 73 mm

Recess Ø D<sub>1</sub>: 11 mm

Overall length L: 120 mm

Shank Ø D<sub>s</sub>: 12 mm

**Technical description**

|                         |       |
|-------------------------|-------|
| Recess Ø D <sub>1</sub> | 11 mm |
| No. of teeth Z          | 3     |

|   |                                  |
|---|----------------------------------|
| Overhang length $L_1$ incl. recess                      | 73 mm                            |
| Corner chamfer width at 45°                             | 0.2 mm                           |
| Cutting edge $\varnothing D_c$                          | 12 mm                            |
| Feed $f_z$ for slot milling in short-chipping aluminium | 0.05 mm                          |
| Feed $f_z$ for side milling in short-chipping aluminium | 0.07 mm                          |
| Shank form  | HA                               |
| Shank $\varnothing D_s$                                 | 12 mm                            |
| Overall length L  | 120 mm                           |
| Flute length $L_c$                                      | 19 mm                            |
| Direction of infeed                                     | horizontal, oblique and vertical |
| Shank   | DIN 6535 HA to h6                |
| Tolerance nominal $\varnothing$                         | h6                               |
| Balance quality with shank                              | G 2.5 with HA                    |
| Helix angle   | 45 degrees                       |
| Corner chamfer angle                                    | 45 degrees                       |
| Coating   | DLC                              |
| Tool material   | Solid carbide                    |
| Standard  | Manufacturer's standard          |
| Type  | W                                |
| Helix angle characteristic                              | unequal spacing                  |
| 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                               |
| Machining strategy                                      | MTC                              |
| Colour ring   | yellow                           |
| Type of product   | End mill                         |

## Services

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

Shank clamping flats for shrink-fit chucks, with retainer  
function Shank Ø tool 12 mm

SZ2025 12

Shank grinding Type HB

129100 HB