TOOL HOLDERS
TORNOS DECO 20.
PCM WILLEN SA

For over 40 years, PCM Willen SA is one of the world’s leading manufacturers of special tool holders for automatic lathes. All our products are developed and manufactured in Switzerland and bear the label «Swiss Made», which is synonymous with precision, quality and reliability.

Our company is located in the middle of French-speaking part of Switzerland at the edge of Lake Geneva near Montreux. Our international dealer network ensures continued after sales support. We offer training courses, which we tailor to individual customer requirements.

PCM stays for innovation and progress. Our superbly qualified engineering staff ensures finest quality of manufacturing solutions and keeps our customers ahead of the competition.

In close cooperation with machine builders and end users, we stay on the way to satisfied customers. We will keep this track in the future.

The best quality toolholders can only provide optimum performance if they are maintained or repaired with first class replacement parts. PCM experts emphasize professional after sale support for all PCM equipment.
YOUR CHOICE N°1 IN TOOLING SYSTEMS

- Long service life
- Very gentle transmission even at high speed operation
- 100% tested
- Customised tool available

High performance seal for an hermetic tool holder

High precision preloaded spindle ball bearings class P4S

Low backlash and high transmission accuracy

Case-hardened and grounded spindle

Different ratios available

Available with coolant through the spindle

Case-hardened and paired bevel gears system

Different clamping systems in high precise concentricity

High flexible coolant system (Hirt Line)
# TORNOS DECO 20

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Face drill/mill tools</td>
<td>5</td>
</tr>
<tr>
<td>Cross drill/mill tools</td>
<td>6</td>
</tr>
<tr>
<td>Accelerated tools</td>
<td>11</td>
</tr>
<tr>
<td>Adjustable tools</td>
<td>12</td>
</tr>
<tr>
<td>Whirling tools</td>
<td>14</td>
</tr>
<tr>
<td>Special tools</td>
<td>15</td>
</tr>
</tbody>
</table>

**Rotation:**
- CW Clockwise
- CCW Counterclockwise

**Cooling:**
- INT Interior
- EXT Exterior
- Without
DE20-0011

<table>
<thead>
<tr>
<th>ER16</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1</td>
</tr>
<tr>
<td>RPM max. 8’000</td>
</tr>
<tr>
<td>Machines Types DECO 20</td>
</tr>
</tbody>
</table>

Note:

Height: 130 mm
Total length: 290 mm
DE20-0001

- ER25
- 1:1
- RPM max. 8'000
- Machines Types DECO 20
- Note:
  - Total length 258 mm

DE20-0001-HP

- ER25
- 1:1
- RPM max. 8'000
- Machines Types DECO 20
- Note:
  - Total length (without internal coolant system) 258 mm
DE20-0002

- ER25
- 1:1
- RPM max. 8'000
- Machines Types DECO 20

Note:
Total length 228 mm

DE20-0002-CR

- ER20
- 1:1
- RPM max. 8'000
- Machines Types DECO 20

Note:
Quick change TORNOS
Total length 187 mm
DE20-0002-HP

ER25
1:1
RPM max. 8’000
Machines Types DECO 20
Note:
Total length (without internal coolant system) 228 mm

DE20-0003

ER25
1:1
RPM max. 8’000
Machines Types DECO 20
Note:
Total length 292 mm
### DE20-0003-IK

<table>
<thead>
<tr>
<th>Connection</th>
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<tr>
<td>Ratio</td>
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<tr>
<td>RPM max.</td>
<td>8'000</td>
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**Machines Types**: DECO 20

**Note**: Total length 292 mm

![Diagram of DE20-0003-IK](image)

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### DE20-0003-CR

<table>
<thead>
<tr>
<th>Connection</th>
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<tr>
<td>RPM max.</td>
<td>8'000</td>
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**Machines Types**: DECO 20

**Note**: Quick change TORNOS  
Total length 277 mm

![Diagram of DE20-0003-CR](image)
**DE20-0010**

- **3xER11**
- **1:1**
- **RPM max.** 8’000

**Machines Types**
- DECO 20

**Note:**
- Use 2 positions
TORNOS DECO 20
Accelerated tools

DE20-0003-2X

- ER11
- 1:2
- RPM max. 16’000

Machines Types
DECO 20

Note:
Total length 277 mm
DE20-0004

- ER11
- 1:1
- RPM max. 8'000

Machines Types
DECO 20

Note:
Adjustable 0°-90°

DE20-0005

- ER11
- 1:1
- RPM max. 8'000

Machines Types
DECO 20

Note:
Adjustable 0°-180°
Basis plat from 40 mm
DE20-0020

<table>
<thead>
<tr>
<th>Tool</th>
<th>ER16</th>
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<tbody>
<tr>
<td>Gear</td>
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<td>8'000</td>
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<td>Machines Types</td>
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</table>

**Note:**
- Adjustable 0°-180°
- Height: 130 mm
- Total length: 290 mm
**DE20-W15**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Ø</td>
<td>-</td>
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<tr>
<td>α-ω</td>
<td>1:1</td>
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<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>DECO 20</td>
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</table>

**Note:**
Use 2 locations
- SCHWANOG 195415, Z=6
- GLOOR 501-0007, Z=6, Ø10mm
- UTILIS 139454, Z=9, Ø12mm

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**DE20-W15-II**

<table>
<thead>
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<th>Feature</th>
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<tr>
<td>Ø</td>
<td>-</td>
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<tr>
<td>α-ω</td>
<td>1:1</td>
</tr>
<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>DECO 20</td>
</tr>
</tbody>
</table>

**Note:**
Use 2 locations
- SCHWANOG 195415, Z=6
- GLOOR 501 0007, Z=6, Ø10mm
- UTILIS 139454, Z=9, Ø12mm
**DE20-2160-L**

- **B-** 8
- **-O** 1:1
- **RPM** max. 8'000
- **Machines Types** DECO 20

**Note:**
- Tool holder for broaching
  - Height: 130 mm
  - Total length: 319 mm

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**DE20-OF-010**

- **16x16**
- **Machines Types** DECO 20

**Note:**
- Height: 20 mm
**DE20-OF-020**

- **Ø**: 16x16
- **Machines Types**: DECO 20
- **Note**: Height: 24 mm

**DE20-OF-030**

- **Ø**: 20
- **Machines Types**: DECO 20
- **Note**: Height: 25 mm
### DE20-OF-040

<table>
<thead>
<tr>
<th>Ø</th>
<th>25</th>
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<td>DECO 20</td>
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**Note:**

Height: 25 mm
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