TOOL HOLDERS
TORNOS DECO 13.
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

Advantages

- High performance seal for an hermetic tool holder
- High precision preloaded spindle ball bearings class P4S
- Low backlash and high transmission accuracy
- Different clamping systems in high precise concentricity
- Case-hardened and grinded spindle
- High flexible coolant system (Hirt Line)
- Different ratios available
- Available with coolant through the spindle
- Case-hardened and paired bevel gears system

YOUR CHOICE N°1 IN TOOLING SYSTEMS

Long service life
Very gentle transmission even at high speed operation
100% tested
Customised tool available
TORNOS DECO 13

Face drill/mill tools  5
Cross drill/mill tools  6
Adjustable tools  10
Polygon tools  12
Whirling tools  13
Special tools  14

Rotation:  CW Clockwise  CCW Counterclockwise
Cooling:  INT Interior  EXT Exterior  Without

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### DE13-0011

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collet</td>
<td>ER11</td>
</tr>
<tr>
<td>Ratio</td>
<td>1:1</td>
</tr>
<tr>
<td>RPM max.</td>
<td>8,000</td>
</tr>
</tbody>
</table>

Machines Types: DECO 13

**Note:**
- Distance Pin-Collet: 62 mm
- Offset Pin-Collet: 0 mm

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### DE13-0012

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Collet</td>
<td>ER11</td>
</tr>
<tr>
<td>Ratio</td>
<td>1:1.5</td>
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<tr>
<td>RPM max.</td>
<td>12,000</td>
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Machines Types: DECO 13

**Note:**
- Distance Pin-Collet: 62 mm
- Offset Pin-Collet: 0 mm
### DE13-0001

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>ER20</td>
<td></td>
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<tr>
<td>1:1</td>
<td></td>
</tr>
<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>28 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>193 mm</td>
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</table>

### DE13-0001-H

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>ER20</td>
<td></td>
</tr>
<tr>
<td>1:1</td>
<td></td>
</tr>
<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>25 mm + 3 mm + 10 mm</td>
</tr>
<tr>
<td>Total length</td>
<td>193 mm</td>
</tr>
</tbody>
</table>
DE13-0002

- ER20
- 1:1
- RPM max. 8’000
- Machines Types DECO 13

Note:
Height 28 mm
Total length 180 mm

DE13-0002-H

- ER20
- 1:1
- RPM max. 8’000
- Machines Types DECO 13

Note:
Height 25 mm + 3 mm + 10 mm
Total length 180 mm
**DE13-0003**

- ER20
- 1:1
- RPM max. 8'000
- Machines Types: DECO 13

**Note:**
- Height 28 mm
- Total length 218 mm

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**DE13-0003-H**

- ER20
- 1:1
- RPM max. 8'000
- Machines Types: DECO 13

**Note:**
- Height 25 mm + 3 mm + 10 mm
- Total length 218 mm
**DE13-0010**

- **3xER11**
- **1:1**
- **RPM max.** 8’000
- **Machines Types** DECO 13

**Note:**
- Height 25 mm + 3 mm + 10 mm
- Total length 183 mm
- Offset Pin-Collet on the middle : 1 mm
**DE13-0020**

- **ER11**
- **1:1**
- **RPM max.** 8’000
- **Machines Types** DECO 13

**Note:**
- Adjustable 0°-180°
- Distance Pin-Collet: 62 mm
- Offset Pin-Collet: 0 mm
- Height: 105 mm

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**DE13-0041**

- **ER11**
- **1:1**
- **RPM max.** 8’000
- **Machines Types** DECO 13

**Note:**
- Adjustable 0°-90°
- Use 2 positions
### DE13-0042

<table>
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<th>Characteristics</th>
<th>Details</th>
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<tbody>
<tr>
<td>Shank Type</td>
<td>ER11</td>
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<tr>
<td>Reducer</td>
<td>1:1</td>
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<tr>
<td>RPM max.</td>
<td>8'000</td>
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</tbody>
</table>

**Machines Types**
- DECO 13

**Note:**
- Adjustable -13° to 90°
- Use 2 positions

![Adjustable tool image]
### DE13-0015

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Positions</td>
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<tr>
<td>Reducer</td>
<td>1:1</td>
</tr>
<tr>
<td>RPM max.</td>
<td>8'000</td>
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</tbody>
</table>

**Machines Types**: DECO 13

**Note**: Use 2 positions  
Max. tool Ø80 mm
## DE13-W15

<table>
<thead>
<tr>
<th>Icon</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>ø-ø</td>
<td>1:1</td>
</tr>
<tr>
<td>Max. RPM</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
</tr>
</tbody>
</table>

**Note:**

- Angle ±15°
- Use 2 locations
- GLOOR 501-0004, Z=6, Ø12mm
- GLOOR 501-0007, Z=6, Ø10mm
- UTILIS 139823, Z=9, Ø12mm
**DE13-0060**

<table>
<thead>
<tr>
<th>Ø</th>
<th>25</th>
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<tbody>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
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</table>

**Note:**
For high frequenz spindle

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**DE13-0050**

<table>
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<tr>
<th>Ø</th>
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<tbody>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
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</tbody>
</table>

**Note:**
For high frequenz spindle
Distance Pin-Ø : 52 mm
### DE13-GTF-010

<table>
<thead>
<tr>
<th>Ø</th>
<th>12x12</th>
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<tbody>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
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<td>Note :</td>
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</table>

![Image of DE13-GTF-010](image1)

### DE13-HF-220

<table>
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<tbody>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
</tr>
</tbody>
</table>
| Note : | For high frequenz spindle  
Distance Pin-Ø : 62 mm |

![Image of DE13-HF-220](image2)
### DE13-OF-030

<table>
<thead>
<tr>
<th>Ø</th>
<th>20</th>
</tr>
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<tbody>
<tr>
<td>Machines Types</td>
<td>DECO 13</td>
</tr>
</tbody>
</table>
| Note | For high-frequency spindle  
Distance Pin-Ø: 62 mm |

![Image of DE13-OF-030]

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