TOOL HOLDERS
CITIZEN CINCOM R04-R07.
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

Different clamping systems in high precise concentricity

Case-hardened and grinded spindle

Available with coolant through the spindle

High flexible coolant system (Hirt Line)

Different ratios available

Case-hardened and paired bevel gears system

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Visit us online: www.pcm.ch
CITIZEN CINCOM R04/R07

Polygon tools  5
Special tools  10

Rotation:  

Cooling:  

PWM Clockwise  
CCW Counterclockwise  

INT Interior  
EXT Exterior  
Without

Visit us online: www.pcm.ch
**U37B-III**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tools</td>
<td>1xØ8 + 1xØ6</td>
</tr>
<tr>
<td>Reduction</td>
<td>1:1</td>
</tr>
<tr>
<td>RPM max.</td>
<td>8,000</td>
</tr>
</tbody>
</table>

**Machines Types**
- R04-VI
- R07-VI

**Note:**
- Position T24-T25
- Servo tuning from FANUC recommended
- Arbor Ø6 mm
- Max. tool Ø23 mm
- Max. cutter thickness 7.5 mm
- Arbor Ø8 mm
- Max. tool Ø45 mm
- Max. cutter thickness 4 mm

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**U37C-III**

<table>
<thead>
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<th>Feature</th>
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<tbody>
<tr>
<td>Tools</td>
<td>1xØ8 + 1xØ5</td>
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<td>Reduction</td>
<td>1:1</td>
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<td>RPM max.</td>
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</tbody>
</table>

**Machines Types**
- R04-VI
- R07-VI

**Note:**
- Position T24-T25
- Servo tuning from FANUC recommended
- Arbor Ø5 mm
- Max. tool Ø23 mm
- Max. cutter thickness 7.5 mm
- Arbor Ø8 mm
- Max. tool Ø45 mm
- Max. cutter thickness 4 mm
### U38B

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Ømax.</td>
<td>Ø3.5</td>
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<tr>
<td>Gear ratio</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>R04-VI, R07-VI</td>
</tr>
</tbody>
</table>

**Note:**
- Position T24-T25
- Adjustable ±2°
- Servo tuning from FANUC recommended
- Max. tool Ø10 mm
- Max. cutter thickness 6 mm

### U38B-SL-II

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Ømax.</td>
<td>Ø3.5</td>
</tr>
<tr>
<td>Gear ratio</td>
<td>1:1</td>
</tr>
<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
<tr>
<td>Machines Types</td>
<td>R04-VI, R07-VI</td>
</tr>
</tbody>
</table>

**Note:**
- Position T24-T25
- Adjustable ±2°
- Servo tuning from FANUC recommended
- Max. tool Ø10 mm
- Max. cutter thickness 6 mm
### U39B

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shank Diameter</td>
<td>Ø3.5</td>
</tr>
<tr>
<td>Spindle Taper</td>
<td>1:1</td>
</tr>
<tr>
<td>Flutes</td>
<td>3x8.5</td>
</tr>
<tr>
<td>Maximum RPM</td>
<td>8'000</td>
</tr>
</tbody>
</table>

**Machines Types**  
- R04-VI
- R07-VI

**Note:**
- Position T24-T25
- Adjustable ±1.5°
- Servo tuning from FANUC recommended
- Possible collision of the bottom of the U-shaped protective plate at 1.5° inclination, modification of this plate may be necessary.
- Max. tool Ø10 mm
- Max. cutter thickness 12 mm

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### U39B-II

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shank Diameter</td>
<td>Ø3.5</td>
</tr>
<tr>
<td>Spindle Taper</td>
<td>1:1</td>
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<tr>
<td>Flutes</td>
<td>3x8.5</td>
</tr>
<tr>
<td>Maximum RPM</td>
<td>8'000</td>
</tr>
</tbody>
</table>

**Machines Types**  
- R04-VI
- R07-VI

**Note:**
- Position T24-T25
- Adjustable ±1.5°
- Quick change spindle
- Servo tuning from FANUC recommended
- Possible collision of the bottom of the U-shaped protective plate at 1.5° inclination, modification of this plate may be necessary.
- Max. tool Ø10 mm
- Max. cutter thickness 12 mm
**U47B**

- [1xØ6+1xØ8] 1:1 8'000

**Machines Types**
R504-VI

**Note:**
Position T24-T25  
Adjustable ±1.5°  
Servo tuning from FANUC recommended  
Arbor Ø6 mm  
Max. tool Ø20 mm  
Max. cutter thickness 7.5 mm  
Arbor Ø8 mm  
Max. tool Ø45 mm  
Max. cutter thickness 4 mm  
Use the protection and motor from the tool holder U30B

**U47C**

- [1xØ5+1xØ8] 1:1 8'000

**Machines Types**
R504-VI

**Note:**
Position T24-T25  
Adjustable ±1.5°  
Servo tuning from FANUC recommended  
Arbor Ø6 mm  
Max. tool Ø20 mm  
Max. cutter thickness 7.5 mm  
Arbor Ø8 mm  
Max. tool Ø45 mm  
Max. cutter thickness 4 mm  
Use the protection and motor from the tool holder U30B
### U48B

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Diameter</td>
<td>Ø3.5</td>
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<tr>
<td>Reduction Factor</td>
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<td>RPM max.</td>
<td>8'000</td>
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<tr>
<td>Machines Types</td>
<td>R504-VI</td>
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</tbody>
</table>

**Note:**
- Position T24-T25
- Adjustable ±1.5°
- Servo tuning from FANUC recommended
- Max. tool Ø20 mm
- Max. cutter thickness 12 mm
- Use the protection and motor from the tool holder U30B
QDF-3016

<table>
<thead>
<tr>
<th>Ø</th>
<th>3x12+3x19</th>
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<tbody>
<tr>
<td>Ø</td>
<td>8.5</td>
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<tr>
<td>RPM max.</td>
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Machines Types
- R04-VI
- R07-VI

Note:
Replace the QDF3003
For high frequenz spindle

QDF-30-HF

<table>
<thead>
<tr>
<th>Ø</th>
<th>1x22+2x12</th>
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<tbody>
<tr>
<td>Ø</td>
<td>-</td>
</tr>
<tr>
<td>RPM max.</td>
<td>-</td>
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Machines Types
- R04-VI
- R07-VI

Note:
Replace the QDF3003
For high frequenz spindle
### QDF-30-HF2

<table>
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<tr>
<th>Ø</th>
<th>1x12+2x22</th>
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<tbody>
<tr>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>RPM max.</td>
<td>-</td>
</tr>
<tr>
<td>Machines Types</td>
<td>R04-VI R07-VI</td>
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</table>

**Note:**
Replace the QDF3003
For high frequenz spindle

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### QDF-30-HF3

<table>
<thead>
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<th>Ø</th>
<th>1x12+2x20</th>
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<td>-</td>
<td>-</td>
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<td>RPM max.</td>
<td>-</td>
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<tr>
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<td>R04-VI R07-VI</td>
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</table>

**Note:**
Replace the QDF3003
Is fixed above the QTF4306
For high frequenz spindle

### QDF-30-HF5

<table>
<thead>
<tr>
<th>Ø</th>
<th>2x12+2x8</th>
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<tbody>
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<td>RPM max.</td>
<td>-</td>
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<td>Machines Types</td>
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**Note:**
- Replace the QDF3003
- Is fixed above the QTF4306
- For high frequenz spindle

### QDF-30-316

<table>
<thead>
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<th>Ø</th>
<th>1x10+2x16</th>
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</table>

**Note:**
- Replace the QDF3003
- Is fixed above the QTF4306
**QTF5118**

- **Ø**
- **Ø**
- **RPM max.**
- Machines Types: R04-VI, R07-VI

*Note:*

Replace the U48B

**QTF3101**

- **Ø**
- **Ø**
- **RPM max.**
- Machines Types: R04-VI, R07-VI

*Note:*

Replace the QDF3101-HF
CITIZEN CINCOM R04-R07
Special tools

QDF-30-HF4

<table>
<thead>
<tr>
<th>Ø</th>
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<td>RPM max.</td>
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<tr>
<td>Machines Types</td>
<td>R04-VI</td>
</tr>
<tr>
<td></td>
<td>R07-VI</td>
</tr>
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Note:
Replace the QDF3003
For high frequenz spindle

QDF-3014

<table>
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<tr>
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<th>4x6</th>
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<tr>
<td>RPM max.</td>
<td>-</td>
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<tr>
<td>Machines Types</td>
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<tr>
<td></td>
<td>R07-VI</td>
</tr>
</tbody>
</table>

Note:
Replace the QDF3003