TOOL HOLDERS
STAR MICRONICS
SW-12.
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 grinded spindle

Different ratios available

High flexible coolant system (Hirt Line)

Available with coolant through the spindle

Case-hardened and paired bevel gears system

Different clamping systems in high precise concentricity

Advantages
STAR MICRONICS SW-12

Face drill/mill tools  5
Cross drill/mill tools  6
Polygon tools  7
Hobbing tools  8
Whirling tools  9

Rotation:  cw  Clockwise  ccw  Counterclockwise
Cooling:  INT  Interior  EXT  Exterior  Without

Visit us online: www.pcm.ch

PCM Willen SA  ·  Route du Grammont 101  ·  1844 Villeneuve  ·  Switzerland
Tél. +41 21 967 33 66  ·  Fax +41 21 960 38 95  ·  office@pcm.ch
SR20J-RSC-007

<table>
<thead>
<tr>
<th>ER11</th>
<th>1:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM max.</td>
<td>8'000</td>
</tr>
</tbody>
</table>

**Machines Types**

- ECAS-12
- ECAS-20
- SB-12
- SB-20R
- SR-10J
- SR-20J
- SR-20JN
- SR-20RIII
- SR-20RII
- SR-20RIV
- SR-32J
- SR-32JN
- SV-20R
- SW-12RII

**Note:**
### E20-GSE-110

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shank</td>
<td>ER16</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
- ECAS-12
- ECAS-20
- SB-12
- SB-20B
- SR10J
- SR-20J
- SR-20JN
- SR-20RIII
- SR-20RII
- SR-20RIV
- SR-32J
- SR-32JN
- SW-12RII

#### Note:

- [www.pcm.ch](http://www.pcm.ch)
## SW12-GSP-218

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teeth</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Pitch</strong></td>
<td>1:1</td>
</tr>
<tr>
<td><strong>RPM max.</strong></td>
<td>8'000</td>
</tr>
<tr>
<td><strong>Machines Types</strong></td>
<td>SW12-RII</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td></td>
</tr>
<tr>
<td>Position T700</td>
<td></td>
</tr>
<tr>
<td>Position T800 will be blocked</td>
<td></td>
</tr>
<tr>
<td>Adjustable ±10°</td>
<td></td>
</tr>
<tr>
<td>Base STAR1:PCR</td>
<td></td>
</tr>
</tbody>
</table>

Note: Position T700, Position T800 will be blocked, Adjustable ±10°, Base STAR1:PCR.
**STAR MICRONICS SW-12**

**Hobbing tools**

---

**SW12-GSH-045**

- **Dimensions**: 3.5+4.5
- **Ratio**: 1:1
- **RPM Max.**: 8'000

**Machines Types**

- SW12-R1i

**Note:**

Position T900
Position T800 will be blocked
Adjustable +15°/-3°
Base STAR1-PCR

---

**SW12-GSH-080**

- **Dimensions**: 8.0
- **Ratio**: 1:1
- **RPM Max.**: 8'000

**Machines Types**

- SW12-R1i

**Note:**

Position T900
Position T800 will be blocked
Adjustable +10°/-3°
Base STAR1-PCR

---

Visit us online: www.pcm.ch
**SW12-GSW-210**

- **Ratio:** 3.5+4.5
- **RPM max.:** 8'000
- **Machines Types:** SW12-RII

**Note:**
Position T700
Adjustable ±10°
GSW-210-FPSWG, Z=5, Ø6mm