The screwdriving units in the SEL series are attractive thanks to their robust nature, cost-effectiveness, and their short design thanks to a sliding carrier layout. They may be used universally and in any screwing position: at manual workstations, transfer systems, rotary table systems, positioning axes, and robots.

For consistent quality, all screwing parameters and the screwing results (OK/NOK) may be queried and documented. Especially in the high torque range up to 100 Nm, the SEL is the screwdriving system of choice.

The simple yet reliable design contributes to the system's easy servicing. The downtime is reducing to near zero. This provides an exceptional high level of availability.

For screwing positions that are hard to reach, the screwdriving unit is available with a vacuum module.

**THE ADVANTAGES AT ONE GLANCE:**

- Compact layout
- Automatic feeding of the screws
- Free selection of the drive: pneumatic or electric with torque transducer or current consumption
- Tool change < 20 sec.
- Automatic screw discarding in case of bad screws or incorrect boreholes
- Monitoring and documentation of torque, speed, screwing depth
Technical data

<table>
<thead>
<tr>
<th></th>
<th>SEL 21</th>
<th>SEL 101</th>
<th>SRL 21</th>
<th>SRL 101</th>
<th>SRV 21</th>
<th>SRV 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw head Ø max.</td>
<td>5 - 17 mm*</td>
<td>5 - 20 mm*</td>
<td>5 - 17 mm*</td>
<td>5 - 20 mm*</td>
<td>5 - 17 mm*</td>
<td>5 - 20 mm*</td>
</tr>
<tr>
<td>Screw size</td>
<td>M2 - M8*</td>
<td>M3 - M12*</td>
<td>M2 - M8*</td>
<td>M3 - M12*</td>
<td>M2 - M8*</td>
<td>M3 - M12*</td>
</tr>
<tr>
<td>Torque (Nm)</td>
<td>0,2 - 20 Nm</td>
<td>5 - 100 Nm</td>
<td>0,2 - 20 Nm</td>
<td>5 - 100 Nm</td>
<td>0,2 - 20 Nm</td>
<td>5 - 100 Nm</td>
</tr>
<tr>
<td>Rotational speed (depending on drive)</td>
<td>50 - 2,500 rpm</td>
<td>50 - 2,500 rpm</td>
<td>50 - 2,500 rpm</td>
<td>50 - 2,500 rpm</td>
<td>50 - 2,500 rpm</td>
<td>50 - 2,500 rpm</td>
</tr>
<tr>
<td>Feed stroke</td>
<td>80 mm*</td>
<td>75 mm</td>
<td>–</td>
<td>–</td>
<td>Overstroke up to approx. 120 mm</td>
<td>Overstroke up to approx. 120 mm</td>
</tr>
<tr>
<td>Vacuum module</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Suitable for robot adaptation</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Contact pressure</td>
<td>40 - 180 N</td>
<td>60 - 330 N</td>
<td>60 - 180 N</td>
<td>60 - 330 N</td>
<td>40 - 180 N</td>
<td>60 - 330 N</td>
</tr>
<tr>
<td>A (mm)</td>
<td>from 600 mm**</td>
<td>from 850 mm**</td>
<td>from 600 mm**</td>
<td>from 850 mm**</td>
<td>from 600 mm**</td>
<td>from 850 mm**</td>
</tr>
<tr>
<td>B (mm)</td>
<td>52 mm</td>
<td>80 mm</td>
<td>52 mm</td>
<td>80 mm</td>
<td>52 mm</td>
<td>80 mm</td>
</tr>
<tr>
<td>C (mm)</td>
<td>120 mm</td>
<td>155 mm</td>
<td>90 mm</td>
<td>110 mm</td>
<td>90 mm</td>
<td>110 mm</td>
</tr>
</tbody>
</table>

* Standard; other values possible  **The length of the unit varies depending on drive, work piece and screw dimension

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**Modules**

**SEL**

1. Drive (electric or pneumatic)
2. Feedback indicator
3. Depth sensor
4. Screwdriver tool
5. Mounting surface

**SRL**

6. Feed tube
7. Screw loading control
8. Nose piece
9. Holding air current* (for overhead screwdriving processes)

**SRV with vacuum module**

10. Torque transducer*
11. Feedstroke cylinder with position indicator
12. Feedstroke
13. Overstroke
14. Vacuum connection

* optional

CAD data of all models are available under www.stoeger.com/en/downloads.html under file “automatic screwdrivers”

STÖGER AUTOMATION GmbH
Gewerbering am Brand 1
82549 Königsdorf

Phone: +49 8179 997 67-0
info@stoeger.com
www.stoeger.com