Servo Slide
Motorized slide for linear motion

- Heavy duty capacity
- Compact design – sturdy load-carrying profile with guide shafts
- Possibility for flying installation in either vertical or horizontal position for setting lengths up to 540 mm.

The high-precision, heavy duty Servo Slide forms an important part of ESAB’s automatic welding program. A sturdy load-carrying profile with guide shafts provides for compact design and makes possible flying installation in either vertical or horizontal position for setting lengths up to 540 mm with central point of attachment.

The slide is primarily intended for use in connection with positioning and joint tracking. It can be operated jointly with other A2 or A6 components, e.g. rotary slides for rotation of the welding head in the joint.

The servo slides are normal supplementary units to go with our standard joint tracking systems, e.g. GMH. The precision slide ensures rapid and accurate joint tracking. Thanks to its extensive speed range, the slide, which has a max. working range of 1030 mm, can be used for the welding motions accomplished with the standard A2 and A6 automatic welding machines.

Permissible load
The slide can be loaded with 1500 N, irrespective of the mounting position. For a vertically mounted slide the maximum torque is 400 Nm, while 280 Nm is the maximum for a horizontally mounted unit. The slide is available with different setting lengths from 60 to 1030 mm. For standard slide the maximum speed is 70 cm/min but this can be modified to 175 cm/min by changing the drive wheel.
**Technical data**

<table>
<thead>
<tr>
<th>Servo Slide</th>
<th>Ordering information Cables</th>
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</thead>
<tbody>
<tr>
<td>Control voltage</td>
<td>2 m 0460 745 880</td>
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<tr>
<td>Max ambient temperature</td>
<td>5 m 0460 745 881</td>
</tr>
<tr>
<td>Axial play, runner</td>
<td>10 m 0460 745 882</td>
</tr>
<tr>
<td>Max torque-free load</td>
<td></td>
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</table>

**Ordering information**

<table>
<thead>
<tr>
<th>Servo Slide</th>
<th>-880</th>
<th>-881</th>
<th>-882</th>
<th>-883</th>
<th>-884</th>
<th>-885</th>
<th>-886</th>
<th>-887</th>
<th>-888</th>
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</thead>
<tbody>
<tr>
<td>Setting length, mm</td>
<td>60</td>
<td>120</td>
<td>180</td>
<td>240</td>
<td>300</td>
<td>420</td>
<td>540</td>
<td>730</td>
<td>1030</td>
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<tr>
<td>Total length, mm</td>
<td>305</td>
<td>365</td>
<td>425</td>
<td>485</td>
<td>545</td>
<td>665</td>
<td>785</td>
<td>1025</td>
<td>1385</td>
</tr>
<tr>
<td>Number of 60 mm indexings, n</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>9</td>
<td>11</td>
<td>14</td>
<td>21</td>
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<tr>
<td>Clearance at limit position F, mm</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>24</td>
<td>55</td>
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<tr>
<td>Weight, kg</td>
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<td>13.2</td>
<td>15.0</td>
<td>16.7</td>
<td>18.5</td>
<td>21.9</td>
<td>25.4</td>
<td>30.9</td>
<td>38.8</td>
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</tbody>
</table>

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ESAB reserves the right to alter specifications without prior notice.