RACK & PINION ACTUATOR BOX

10 mm Stroke, 7.5 kg Load, 0.24 Nm

Backlash: 2°.
Travel: 10 mm travel = 191° pinion rotation on input. 1 mm travel = 19.10° pinion rotation on input.
Greased for Life: Shell Gadus S5 V42P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Output Shaft Dia.</th>
<th>Input Shaft Dia.</th>
<th>Standard Travel</th>
<th>Max Torque Input at 100 rpm Nm</th>
<th>Max Load Output kg</th>
<th>Angular Movement For 1mm Travel</th>
<th>Angular Movement For Std Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPA6-10</td>
<td>Ø6</td>
<td>Ø5</td>
<td>10</td>
<td>0.24</td>
<td>7.5</td>
<td>19.10°</td>
<td>191°</td>
</tr>
</tbody>
</table>

# Maximum extension
* Minimum extension
These figures will increase/decrease during operation.
**GEARBOXES**

**RPA8 Rack & Pinion Actuator Box**

15 mm Stroke, 11 kg Load, 0.43 Nm

- Backlash: 2°.
- Travel: 15 mm travel = 238.8° pinion rotation on input. 1 mm travel = 15.92° pinion rotation on input.
- Greased for Life: Shell Gadus S5 V42P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.

### Table

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<tr>
<th>Part Number</th>
<th>Output Shaft Dia.</th>
<th>Input Shaft Dia.</th>
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<th>Max Torque Input at 100 rpm Nm</th>
<th>Max Load Output kg</th>
<th>Angular Movement For 1mm Travel</th>
<th>Angular Movement For Std Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPA8-15</td>
<td>Ø8</td>
<td>Ø6</td>
<td>15</td>
<td>0.43</td>
<td>11</td>
<td>15.92°</td>
<td>238.8°</td>
</tr>
</tbody>
</table>


Backlash: 2°.

Travel: 15 mm travel = 238.8° pinion rotation on input. 1 mm travel = 15.92° pinion rotation on input.

Greased for Life: Shell Gadus S5 V42P 2.5.
GEARBOXES
Rack & Pinion Actuator Box
20 mm Stroke, 17 kg Load, 0.64 Nm

Weight: 0.225 kg. Backlash: 2°.
Travel: 20 mm travel = 238.7° pinion rotation on input. 1 mm travel = 11.93° pinion rotation on input.
Greased for Life: Shell Gadus S5 V42P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.
**GEARBOXES**

**RPA16** Rack & Pinion Actuator Box

25 mm Stroke, 41 kg Load, 3 Nm

- **Case:** Aluminum. Rack & Pinion: High Carbon Steel 817M40 (EN24).
- **Backlash:** 2°.
- **Travel:** 25 mm travel = 204.8° pinion rotation on input. 1 mm travel = 8.19° pinion rotation on input.
- **Greased for Life:** Shell Gadus S5 V42P 2.5.
- **Special lengths or travel can be supplied to suit customers’ requirements.**

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<thead>
<tr>
<th>Part Number</th>
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<th>Input Shaft Dia.</th>
<th>Standard Travel</th>
<th>Max Torque Input at 100 rpm Nm</th>
<th>Max Load Output kg</th>
<th>Angular Movement For 1mm Travel</th>
<th>Angular Movement For Std Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPA16-25</td>
<td>Ø16</td>
<td>Ø12</td>
<td>25</td>
<td>3.0</td>
<td>41</td>
<td>8.19°</td>
<td>204.8°</td>
</tr>
</tbody>
</table>

- Backlash: 2°.
- Travel: 25 mm travel = 204.8° pinion rotation on input. 1 mm travel = 8.19° pinion rotation on input.
- Greased for Life: Shell Gadus S5 V42P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.
GEARBOXES

Rack & Pinion Actuator Box
30 mm Stroke, 60 kg Load, 5.2 Nm

Backlash: 2°.
Travel: 30 mm travel = 196.5° pinion rotation on input. 1 mm travel = 6.55° pinion rotation on input.
Greased for Life: Shell Gadus S5 V42P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.

<table>
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<tr>
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<th>Input Shaft Dia.</th>
<th>Standard Travel</th>
<th>Max Torque Input at 100 rpm Nm</th>
<th>Max Load Output kg</th>
<th>Angular Movement For 1mm Travel</th>
<th>Angular Movement For Std Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPA20-30</td>
<td>Ø20</td>
<td>Ø15</td>
<td>30</td>
<td>5.2</td>
<td>60</td>
<td>6.55°</td>
<td>196.5°</td>
</tr>
</tbody>
</table>

* Maximum extension
* Minimum extension
* These figures will increase/decrease during operation