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.
RPA8 Rack & Pinion Actuator Box
15 mm Stroke, 11 kg Load, 0.43 Nm

Rack & Pinion: High Carbon Steel 817M40 (EN24)
Case: Aluminum
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.
**Rack & Pinion Actuator Box**

20 mm Stroke, 17 kg Load, 0.64 Nm

**Part Number**: RPA12-20

<table>
<thead>
<tr>
<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>Ø12</td>
<td>Ø8</td>
<td>20</td>
<td>0.64</td>
<td>17</td>
<td>11.93°</td>
<td>238.7°</td>
</tr>
</tbody>
</table>

**Case**: Aluminum  
**Rack & Pinion**: High Carbon Steel 817M40 (EN24).

**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 V420P 2.5.

Special lengths or travel can be supplied to suit customers’ requirements.
RPA16

GEARBOXES

Drawings Available

Rack & Pinion Actuator Box
25 mm Stroke, 41 kg Load, 3 Nm

RPA16-25

Part Number

Output Shaft Dia.
Ø16

Input Shaft Dia.
Ø12

Standard Travel
25

Max Torque Input at 100 rpm Nm
3.0

Max Load Output kg
41

Angular Movement For 1mm Travel
8.19°

Angular Movement For Std Travel
204.8°


Backlash: 2°.

Travel: 25 mm stroke = 204.8° pinion rotation on input. 1 mm travel = 8.19° pinion rotation on input.

Greased for Life: Shell Gadus S5 V420P 2.5.

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

Shell Gadus S5 V420P 2.5.

516-771-6777 516-771-6444 sales@ondrives.us www.ondrives.us
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>
<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>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.