The Original
Rack & Pinion Pocket Door System®

Note: Rockler may not carry all products and/or sizes listed in this vendor's publication

"Originally designed & Manufactured by Schock Metal nearly 20 years ago"

Maximum Door Sizes;
RP-42: 44" high x 24" wide x 30lb
RP-60: 62" high x 24" wide x 45lb
RP-60 (2 sets): 81" high x 24" wide x 75lb**
RP-60 (2 sets): 81" high x 26" wide x 45lb**

Prod. Code: RPPD

Ball Bearing Slide
2 Hinge
3 Hinge Mounting Plate
4 #8 x 5/8" Zinc Screw
5 Roller, black plastic
6 Profile Rod, black steel
7 M4 x 5mm Black Pan Head Screw
8 Rack Drive, black plastic
9 Mounting Block with Screws
10 Bushing
11 Pinion Wheel, black plastic
12 #8x1/2" Modified Truss Screw, Black

Please read all instructions prior to installation

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Application Chart

<table>
<thead>
<tr>
<th>Model</th>
<th>Application</th>
<th>Profile Rod Length</th>
<th>Recommended Maximum Door Dimensions</th>
<th>Recommended Capacity Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP-42</td>
<td>Vertical</td>
<td>42&quot;</td>
<td>up to 44&quot;</td>
<td>7/8&quot; * w/ 35mm Cup</td>
</tr>
<tr>
<td>RP-60</td>
<td>Vertical</td>
<td>60&quot;</td>
<td>up to 62&quot;</td>
<td>7/8&quot; * w/ 35mm Cup</td>
</tr>
<tr>
<td>Two RP-60 Sets</td>
<td>Vertical</td>
<td>Two 60&quot; rods</td>
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</tr>
</tbody>
</table>

Notes:
1) The Rack & Pinion Pocket Door System, for horizontal applications, is available only in under ceiling version. This system is not available in an over top version.
2) Pre-packaged sets include 35mm (1.38") Inset Hinges.
3) When using sets with three slides, it is recommended that the third (middle) slide be placed within 6 inches of the bottom slide for maximum stability. (See diagram A)
4) Slide travel loss is 3.25.

Legend:
* 40mm hinges and plates are available at an additional cost. See enclosed hinge application chart.
** TWO RP-60 sets per door must be used to achieve the maximum weight capacity of 45lb/75lb. One full set is to be placed on the upper half of the door and the second set is to be placed on the lower half of the door. See Diagram B.

Parts Included in Set Packing

Numbers in (parenthesis) after RP-42 or RP-60 indicate quantity in each set

1. Ball Bearing Slide
   - RP-42(1) or RP-60(1)

2. Hinge
   - RP-42(2) or RP-60(2)

3. Mounting Plate
   - RP-42(1) or RP-60(1)

4. #8 x 5/8" Screw (zinc)
   - RP-42(1) or RP-60(1)

5. Roller
   - RP-42(2) or RP-60(2)

6. Profile Rod, D-shaped
   - RP-42(1) or RP-60(1)

7. M4 x 5mm Screw (black)
   - RP-42(4) or RP-60(4)

8. Rack Drive
   - RP-42(2) or RP-60(2)
   - Three (3) in all 24", 26" & 28" versions

9. Block with 2 Screws
   - RP-42(4) or RP-60(4)

10. Bushing
    - RP-42(4) or RP-60(4)

11. Pinion Wheel
    - RP-42(2) or RP-60(2)

12. Modified Truss, Screw, Black
    - RP-42(8) or RP-60(12)

Diagram B - Roller Placement

Use 5/16" (7.87mm) bit for drilling hole for roller according to dimensions below.

 Applies to both overlay and inset hinges
Mounting Instructions:

**Step 1  Installation of Slides**

Using four #8 x 1/2" Modified Truss Screws (Black) [12], secure each Slide [1] onto side panels of cabinet according to measurements in Figure 1.

Make sure plastic stop is facing toward front of cabinet.

Make sure to backset the slides according to Note 1 or 2 in Figure 1.

Move slide bracket forward to front of cabinet into locked position.

**Step 2  Installation of Racks**

Using #8 x 5/8" Screws [4], secure plastic Rack [8] onto side panels of cabinet according to measurements in Figure 1.

Cut Racks if needed using formula: 
Slide Length - (minus) 38mm (1.50”).

If using 24", 26" or 28" inch slides, see additional instructions on page 4.

**Notes:**

1) Backset = Door Thickness + 4mm for Inset Doors using Hinge 0A30.3501SC, supplied in pre-packaged sets.

2) Dimensions shown are same for both top and bottom positions.

**Figure 1**

*Illustration of Slide Mounted on Bottom of Door*

- Front Edge of Side Panel
- Front Door
- Plastic Clip
- Slide
- Backset
- Distance to Bottom or Top of Cabinet
- See NOTICE

**Figure 2**

*Hinge Option Dimensions*

- 2-1/4”
- 35mm = 1.38”
- 40mm = 1.57”
- Door Thickness + 4mm (0.16”)

**Figure 3**

*Slide Hole Patterns (Actual Length)*

- Conversion
  - 1” = 25.4 mm
  - mm = Inches x 25.4
  - Inches = mm / 25.4

- 14” (13.78”)
- 16” (15.75”)
- 18” (17.72”)
- 20” (19.69”)
- 22” (21.65”)
- 24” (23.62”)
- 26” (25.59”)
- 28” (27.56”)

- 32MM
- 32MM
- 32MM

- 352mm

- 320mm
- 320mm

- 32MM

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Step 3: Profile Rod Length
For doors shorter than 44".
Measure distance between center line of each mounted Rack [8] to determine length of Rod [6].
If needed, cut Profile Rod [6] to length according to measurement taken above + 5mm (0.19”).
File edges of cut end to a smooth surface so Pinion Wheel will fit properly.

Note:
Length of Rod is center-to-center line of both Racks + 4mm.

Step 6: Assembly of Blocks
Assemble remaining parts of Mounting Block Set [9A], [9B] & [10].
Place one Block [9A] around each Bushing [10] and snap together.
Put Screws [9B] into holes through Block [9A].

Step 4: Attachment of Bushings
Slide all black plastic Bushings [10] onto Profile Rod [6].

Step 7: Attachment of Profile Rod Assembly
Make sure slides are in most forward locked position prior to starting this step!
Screw into small threaded holes into rear edge of slide plate.
Do not overtighten.

Step 8: Assembly of Hinge Mounting Plates
Firmly attach Mounting Plate [3] to slide [1] using two M4 x 5mm Black Screws [7].
Tighten by hand only.
Third hole in Hinge Mounting Plate should be facing toward the rear of the slide.

Step 9: Assembly of Hinge to Door
Measure distance between center line of slides.
Select correct tab distance according to hinge used. Use mock-up of door prior to making final version.
Drill holes in door for center line of hinge according to measurement taken above.
Attach each Hinge to door using two #8x5/8” Flat Head Screws (zinc) [4].

Step 10: Assembly of Hinge to Hinge Plate
Install the Hinge onto the Mounting Plates.
Tighten Mounting Plate screw to secure Hinge.

Step 11: Adjustment to Hinges
Adjust the door vertically and horizontally with the adjustment screws on the hinges and mounting plates.

Instructions for 24”, 26” and 28” slides
Take one of the three black plastic Racks and cut each end of one Rack to length, according to the following:

<table>
<thead>
<tr>
<th>Slide Length</th>
<th>Cut Rack Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>2”</td>
</tr>
<tr>
<td>26”</td>
<td>4”</td>
</tr>
<tr>
<td>28”</td>
<td>6”</td>
</tr>
</tbody>
</table>

Mount each cut Rack piece to the ends of each uncut Rack. Make sure that the original, uncut ends of each piece are placed firmly end to end and the cut ends face the rear of the cabinet. Match the ½ tooth of each cut piece together with ½ tooth on original uncut, long rack.

Uncut ends ½ size tooth must match together
21” Plastic Rack (532mm) uncut

Cut Rack Piece

For additional instructions, replacement parts or missing parts, please call:

1-888-380-6793
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