THE RAMP PEOPLE

Modular Step Assembly Guide

Overview & Component Identification

1. Overview

This modular step system can be assembled in **2 through 8 step configurations**.

Each complete assembly consists of:

- Two side panels, one on each side
- Grated treads
- Supplied joining hardware
- Mounting hardware

Each side panel is constructed from individual sections consisting of:

- 1 bottom section
- 0 to 6 identical middle sections
- 1 top section

The number of middle sections depends on the required number of steps.

Tools & PPE Required

- An adjustable spanner and an 18 mm socket are required to assemble the steps (not provided). A power tool may be used instead of a spanner.
- Gloves should be worn when handling the steps.
- Appropriate footwear should be worn when walking on the steps, as they have sharp edges.

Safety Precautions

- Act in line with manual handling requirements when lifting and moving the steps. The higher step kits are heavy so it is recommended you disassemble the steps to move these to an alternative location.
- Use the steps on flat level ground such as concrete or tarmac.
- Keep the steps free of debris, obstacles, ice and similar.
- Undertake a risk assessment to ensure the steps are safe for use in the designated area
- Utilise the fixing points to secure the steps in position. The modular steps should be secured to the ground and building.
- Ensure the steps are located in a well-lit area to reduce trip hazards and alert passers-by to the steps.
- Wear appropriate footwear on the steps due to the open-mesh grating; for example, it is not recommended to wear heels on the steps.
- Take extra caution when using the steps in wet weather. Remove ice from the steps prior to use.
- Regularly check the steps to ensure the fixings remain tight and secure. Check for signs of wear and damage. Do not continue to use the steps if damaged.

2. Side-Panel Configuration by Step Count

Use the following table to determine the required components for each configuration.

Number of Steps	Bottom Sections	Identical Middle Sections	Top Sections	Total Side-Panel Sections per Side	Grated Treads
2	1	0	1	2	2
3	1	1	1	3	3
4	1	2	1	4	4
5	1	3	1	5	5
6	1	4	1	6	6
7	1	5	1	7	7
8	1	6	1	8	8

For the complete assembly, double the side-panel quantities shown above as two side panels are required.

3. Component Identification

Before assembly, separate the components into the following groups.

Bottom Side-Panel Sections

The bottom section forms the lower end of each side panel and incorporates the lower mounting arrangement.

Middle Side-Panel Sections

The middle sections are identical components. Depending on the required step configuration, between zero and six middle sections are used on each side.

Top Side-Panel Sections

The top section forms the upper end of each side panel and incorporates the upper mounting arrangement.

Grated Treads

The number of grated treads must match the number of steps being assembled.

Step Configurations

4. 2-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 2 top side-panel sections
- 2 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Top

1. Position the bottom side-panel section.
2. Position the top side-panel section against the bottom section.
3. Align the connecting holes/slots.
4. Attach all connections.
5. Hand-tighten initially.
6. Check that the two sections are correctly aligned.
7. Tighten all joints.
8. Repeat for the second side panel.

Install the 2 grated treads between the completed side panels.

5. 3-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 2 identical middle side-panel sections
- 2 top side-panel sections
- 3 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Top

1. Assemble the bottom section to one middle section.
2. Align and install the connecting hardware.
3. Add the top section.
4. Align and install the connecting hardware.
5. Attach all connections.
6. Check the completed side panel for alignment.
7. Tighten all joints.
8. Repeat for the second side panel.

Install the three grated treads between the side panels.

6. 4-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 4 identical middle side-panel sections
- 2 top side-panel sections
- 4 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Middle → Top

1. Assemble the first middle section to the bottom section.
2. Install the second middle section.
3. Install the top section.
4. Align all section joints.
5. Attach all connecting hardware.
6. Check the complete side panel for straightness and alignment.
7. Tighten the joints.
8. Repeat for the second side panel.

Install the four grated treads between the side panels.

7. 5-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 6 identical middle side-panel sections
- 2 top side-panel sections
- 5 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Middle → Middle → Top

1. Assemble the first middle section to the bottom section.
2. Add the second middle section.
3. Add the third middle section.
4. Install the top section.
5. Align all joints.
6. Attach the connecting hardware.
7. Verify the overall side-panel alignment.
8. Tighten all joints.
9. Repeat for the second side panel.

Install the five grated treads between the side panels.

8. 6-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 8 identical middle side-panel sections
- 2 top side-panel sections
- 6 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Middle → Middle → Middle → Top

1. Assemble the first middle section to the bottom section.
2. Add the second middle section.
3. Add the third middle section.
4. Add the fourth middle section.
5. Install the top section.
6. Align all joints.
7. Attach all connecting hardware.
8. Check the completed side panel for alignment.
9. Tighten all joints.
10. Repeat for the second side panel.

Install the six grated treads between the side panels.

9. 7-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 10 identical middle side-panel sections
- 2 top side-panel sections
- 7 grated treads
- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Middle → Middle → Middle → Middle → Top

1. Assemble the first middle section to the bottom section.
2. Add the second middle section.
3. Add the third middle section.
4. Add the fourth middle section.
5. Add the fifth middle section.
6. Install the top section.
7. Align all joints.
8. Attach the connecting hardware.
9. Check the complete side panel for straightness and alignment.
10. Tighten all joints.
11. Repeat for the second side panel.

Install the seven grated treads between the side panels.

10. 8-Step Configuration

Required Components – Complete Assembly

- 2 bottom side-panel sections
- 12 identical middle side-panel sections
- 2 top side-panel sections
- 8 grated treads

- Required joining and mounting hardware

Side-Panel Assembly

Each side panel consists of:

Bottom → Middle → Middle → Middle → Middle → Middle → Middle → Top

1. Assemble the first middle section to the bottom section.
2. Add the second middle section.
3. Add the third middle section.
4. Add the fourth middle section.
5. Add the fifth middle section.
6. Add the sixth middle section.
7. Install the top section.
8. Align all joints.
9. Attach the connecting hardware.
10. Check the complete side panel for straightness and alignment.
11. Tighten all joints.
12. Repeat for the second side panel.

Install the eight grated treads between the side panels.

Final Assembly & Quality Checks

11. Installing the Treads

Regardless of the step configuration, install the treads **from the bottom upward**.

1. Position the lowest grated tread between the two side panels.
2. Align the tread mounting points with the corresponding holes/slots in both side panels.
3. Install the fasteners on both sides.
4. Position the next tread.
5. Repeat the process until all required treads have been installed.
6. Leave sufficient adjustment in the fasteners to allow final alignment.

The number of treads must always correspond to the selected step configuration:

2 steps = 2 treads

3 steps = 3 treads

4 steps = 4 treads

5 steps = 5 treads

6 steps = 6 treads

7 steps = 7 treads

8 steps = 8 treads

12. Aligning the Complete Assembly

After all treads have been installed:

1. Check that the two side panels are parallel.

2. Check that the overall width is correct.
3. Check that each tread is perpendicular to the side panels.
4. Check that each tread is level from left to right.
5. Verify consistent tread spacing.
6. Check that all side-panel joints are fully seated.
7. Verify the overall dimensions against the applicable engineering drawing.
8. Make any required adjustments using the available slotted holes.

13. Quick Configuration Guide

Configuration	Side-Panel Construction	Treads
2 Step	Bottom + Top	2
3 Step	Bottom + 1 Middle + Top	3
4 Step	Bottom + 2 Middle + Top	4
5 Step	Bottom + 3 Middle + Top	5
6 Step	Bottom + 4 Middle + Top	6
7 Step	Bottom + 5 Middle + Top	7
8 Step	Bottom + 6 Middle + Top	8

Thank you for choosing The Ramp People – installer instructions prepared per best practices in step assembly and safe operation.

Contact Details

If you have any questions please contact The Ramp People

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