

[Manuals.plus](#) /

› [MAGNA-TILES](#) /

› MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set User Manual

MAGNA-TILES 251033RR

MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set. This set combines magnetic building with motion, allowing for the creation of racetracks, ramps, and bridges. Please read this manual thoroughly before assembly and play.



Figure 1: MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set packaging.

2. SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small parts. Not intended for children under 3 years.

- Ensure all pieces are intact before and after play. Discard any broken or damaged pieces immediately.
- Adult supervision is recommended during play, especially for younger children.
- Keep magnets away from sensitive electronic devices and magnetic storage media.

3. PACKAGE CONTENTS

The MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set includes the following components:

- 33 magnetic pieces total
- 4 patent-pending track rails
- Assorted magnetic tiles (squares, triangles)

- 1 ball for racing

4. SETUP

Follow these steps to prepare your MAGNA-TILES Rail Racers set for play:

1. **Unpack the Set:** Carefully remove all 33 magnetic pieces, including the track rails and the ball, from the packaging.
2. **Inspect Components:** Verify that all pieces are present and undamaged. Refer to the 'Package Contents' section for a complete list.
3. **Familiarize Yourself with Pieces:** Observe the different shapes and how the magnetic edges connect. The track rails are designed to integrate with the magnetic tiles.

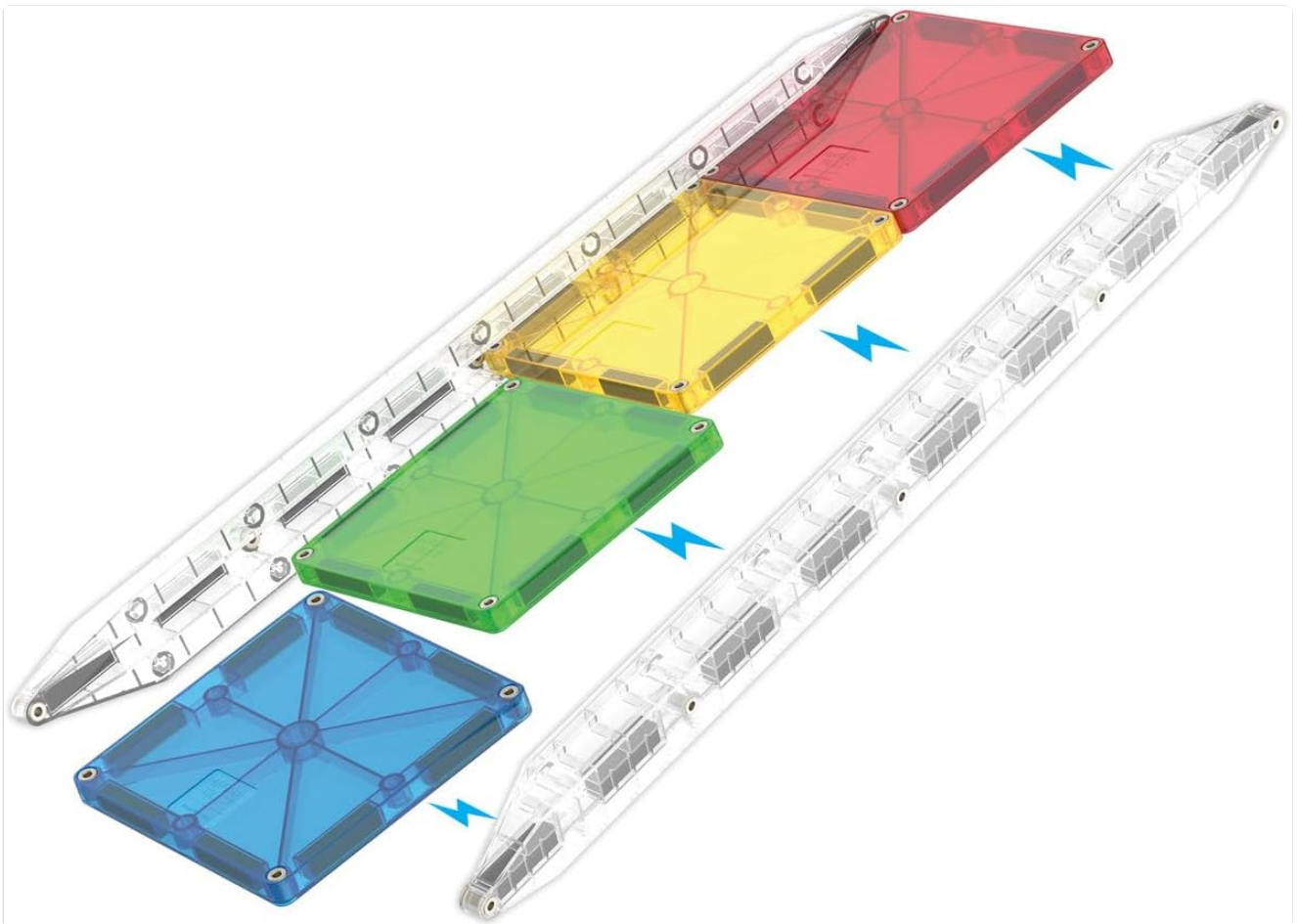


Figure 2: Track rails are designed to connect securely to the magnetic tiles.

5. OPERATING INSTRUCTIONS

The MAGNA-TILES Rail Racers set encourages creative, open-ended play. Here are guidelines for building and operating your magnetic structures:

5.1 Basic Building

- **Connect Tiles:** Place magnetic tiles edge-to-edge. The magnets will automatically attract and connect, forming stable structures.
- **Build Bases:** Start with a flat base of square tiles to provide stability for taller structures.
- **Form Walls and Towers:** Stack tiles vertically or connect them to form walls, cubes, and towers.



Figure 3: A child demonstrating the assembly of magnetic tiles.

5.2 Constructing Rail Racers Tracks

- **Attach Rails:** The patent-pending track rails snap onto the edges of square magnetic tiles. Ensure they are securely fastened.
- **Create Ramps:** Build elevated structures using magnetic tiles to support the track rails at an incline, forming ramps.
- **Design Bridges and Tunnels:** Use various tile shapes to create supports for elevated tracks or enclosures for tunnels.
- **Test Your Design:** Once a section of track is built, place the included ball at the starting point and release it to observe its movement. Adjust your design as needed to optimize the ball's path.



Figure 4: A close-up view of magnetic tiles and track rails forming a functional track.



Figure 5: An example of a completed ramp with the ball in motion.



Figure 6: Two parallel ramps demonstrating advanced track design possibilities.

6. MAINTENANCE

To ensure the longevity of your MAGNA-TILES Rail Racers set, follow these simple maintenance guidelines:

- **Cleaning:** Wipe tiles and rails with a soft, damp cloth. Do not submerge in water or use harsh chemical cleaners.
- **Storage:** Store the set in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect all pieces for any signs of wear, cracks, or damage. Discontinue use of damaged pieces.

7. TROUBLESHOOTING

If you encounter any issues with your MAGNA-TILES Rail Racers set, refer to the following common solutions:

Problem	Possible Cause	Solution
Tiles do not connect securely.	Magnets are misaligned or weak.	Ensure tiles are placed flush against each other. If magnets are consistently weak, the tile may be damaged and should be replaced.

Problem	Possible Cause	Solution
Ball does not roll smoothly on tracks.	Track is not level or has insufficient incline; connections are not smooth.	Adjust the incline of your ramps. Ensure track rails are fully seated onto the magnetic tiles and that connections between track sections are smooth.
Structures collapse easily.	Insufficient base support or unstable design.	Build a wider and more stable base. Reinforce taller structures with additional tiles or support columns.

8. SPECIFICATIONS

Feature	Detail
Brand	MAGNA-TILES
Model Name	MAGNA-TILES Rail Racers 33-Piece Magnetic Construction Set
Model Number	251033RR
UPC	850025176606
Number of Pieces	33
Material Type	Acrylonitrile Butadiene Styrene (ABS)
Recommended Age	3 years and up
Educational Objective	Construction Skills, STEM concepts (speed, momentum, problem-solving)
Assembly Required	No (pieces are ready to connect)

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official MAGNA-TILES website. Contact information for support services can typically be found on the product packaging or the manufacturer's website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question