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VEVOR YS64-001S

VEVOR 64-inch Router Sled Instruction Manual

Model: YS64-001S
Brand: VEVOR

1. Product Overview

The VEVOR 64-inch Router Sled (Model YS64-001S) is a portable and adjustable jig designed for flattening wood slabs and other large woodworking pieces. Constructed from durable 6061 aluminum alloy, it provides a stable platform for your router to achieve precise and even surfaces.



Figure 1: VEVOR 64-inch Router Sled in operation, demonstrating its use for flattening large wood slabs in various woodworking applications.

Key Features:

- **Adjustable Design:** Easily adjust the height and width to accommodate various slab sizes and router types.
- **Durable Construction:** Made from 6061 aluminum alloy for stability and longevity.
- **Smooth Operation:** Features a bearing structure and multiple rollers for effortless router movement.
- **Versatile Application:** Suitable for woodworking plants, furniture factories, and DIY projects.

2. Package Contents

Before assembly, ensure all components listed below are present and undamaged. If any parts are missing or damaged, please contact VEVOR customer support.

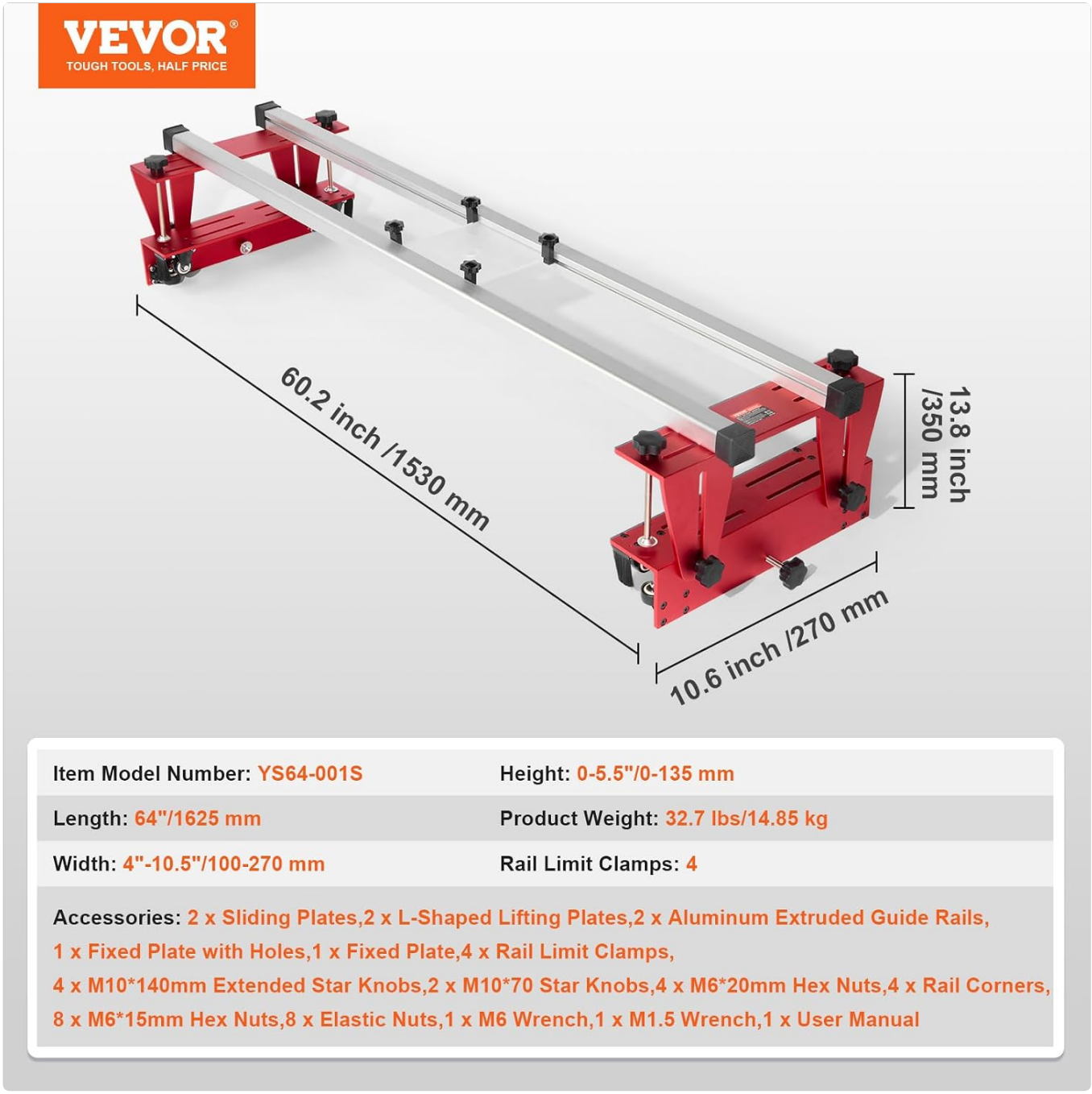


Figure 2: Detailed view of the VEVOR Router Sled's dimensions and a list of included accessories.

- 1 x Router Sled (Model YS64-001S)
- 2 x Sliding Plates
- 2 x L-Shaped Lifting Plates
- 2 x Aluminum Extruded Guide Rails
- 1 x Fixed Plate with Holes
- 1 x Fixed Plate
- 4 x Rail Limit Clamps
- 4 x M10*140mm Extended Star Knobs
- 2 x M10*70 Star Knobs
- 4 x M6*20mm Hex Nuts
- 4 x Rail Corners
- 8 x M6*15mm Hex Nuts
- 8 x Elastic Nuts
- 1 x M6 Wrench

- 1 x M1.5 Wrench
- 1 x User Manual

3. Setup and Assembly

Follow these steps to assemble your VEVOR Router Sled. Refer to the assembly video for visual guidance.

▶ **Watch video online**
SpeTool Router Sled for Flattening Slabs

Video 1: Detailed assembly and setup guide for the SpeTool Cratos Pro Router Sled, demonstrating each step from unboxing to final setup.

Assembly Steps:

1. **Unpack Components:** Carefully unpack all parts and verify against the package contents list.
2. **Assemble Wheel Units:** Attach the wheels to the slide platforms using the provided flat head screws and M4 lock nuts. Ensure all wheels are securely fastened.
3. **Install Sliding Nuts on Rails:** Slide the M8 sliding nuts into the grooves of the aluminum guide rails. These nuts will be used to secure the lift components.
4. **Attach Lift Components to Rails:** Position the L-shaped lifting plates onto the rails, aligning their holes with the M8 sliding nuts. Secure them using the M8x14 combination screws. You can adjust the screw positions for longitudinal or transverse mounting of the router plate.
5. **Secure Lift to Table:** Align the side holes of the lift with the edge of your workbench or table. Tighten the M8x14 combination screws to firmly secure the lift.
6. **Attach Knobs and Washers:** Place the flat washers onto the M8x16 knobs (silvery bolt) and M8x12 knobs (black bolt).
7. **Mount Router Plate:** Secure your router to the fixed plate (C or D, depending on your router's hole pattern) using appropriate screws.
8. **Insert Router Assembly:** Slide the router with its mounted plate into the guide rails. Ensure it moves freely without interference.
9. **Secure Router Plate:** Use the M8 sliding nuts and M8x12 knobs with the blocks to secure the router plate in position on the rails.

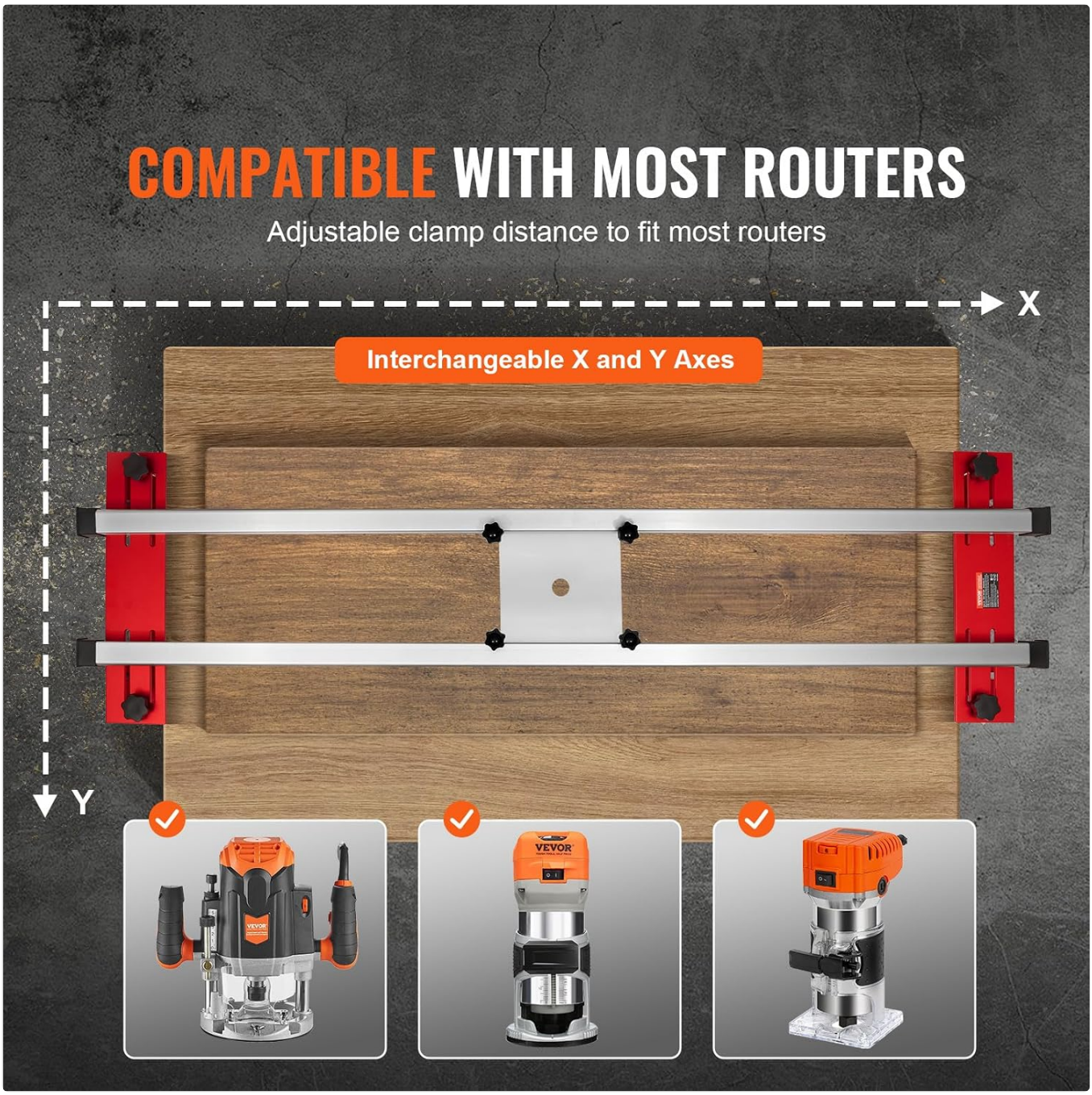


Figure 3: The router sled features interchangeable X and Y axes, allowing for flexible router positioning and compatibility with most router models.

4. Operating Instructions

The VEVOR Router Sled is designed for precision flattening of wood surfaces. Proper operation ensures optimal results and safety.

Preparing for Operation:

- **Secure Workpiece:** Place the wood slab or workpiece securely on a stable surface beneath the router sled. Ensure it cannot shift during operation.
- **Install Router Bit:** Install the appropriate surfacing router bit into your router. Ensure it is tightened according to your router's instructions.
- **Adjust Height:** The lift mechanism allows for height adjustment. Adjust the height of the router sled so that the router bit just touches the highest point of your workpiece. The lift is designed with five positions, allowing for

adjustment based on the different heights of the workpieces.



Figure 4: The router sled features a height adjustment range of 0-5.5 inches (0-135 mm) for longitudinal machining.

Flattening Process:

1. **Initial Pass:** Turn on your router. Slowly move the router across the workpiece, making a shallow cut.
2. **Subsequent Passes:** After each pass, lower the router bit slightly (e.g., 1/16" or 1/32") and make another pass. Repeat this process until the entire surface is flat and even.
3. **Overlap:** Ensure each pass slightly overlaps the previous one to avoid ridges and ensure a smooth finish.
4. **Cleanliness:** The user-friendly design includes a brush to remove wood chips and dust, ensuring clear visibility and preventing debris buildup.



Figure 5: User-friendly design elements such as the brush for chip removal, bearing structure for smoother sliding, and 8 rollers supporting the jig.

5. Maintenance

Regular maintenance will extend the life and ensure the optimal performance of your VEVOR Router Sled.

- **Cleaning:** After each use, clean the guide rails, sliding plates, and router plate to remove all wood dust and debris. A soft brush or compressed air can be used.
- **Lubrication:** Periodically apply a dry lubricant (e.g., silicone spray) to the guide rails and wheel bearings to ensure smooth operation. Avoid oil-based lubricants that can attract dust.
- **Inspect Fasteners:** Regularly check all screws, nuts, and knobs for tightness. Tighten any loose fasteners to maintain stability and accuracy.
- **Check Rails:** Inspect the aluminum guide rails for any signs of wear, bending, or damage. The rails are over 2mm thick and resistant to deformation, but heavy impacts can cause issues.

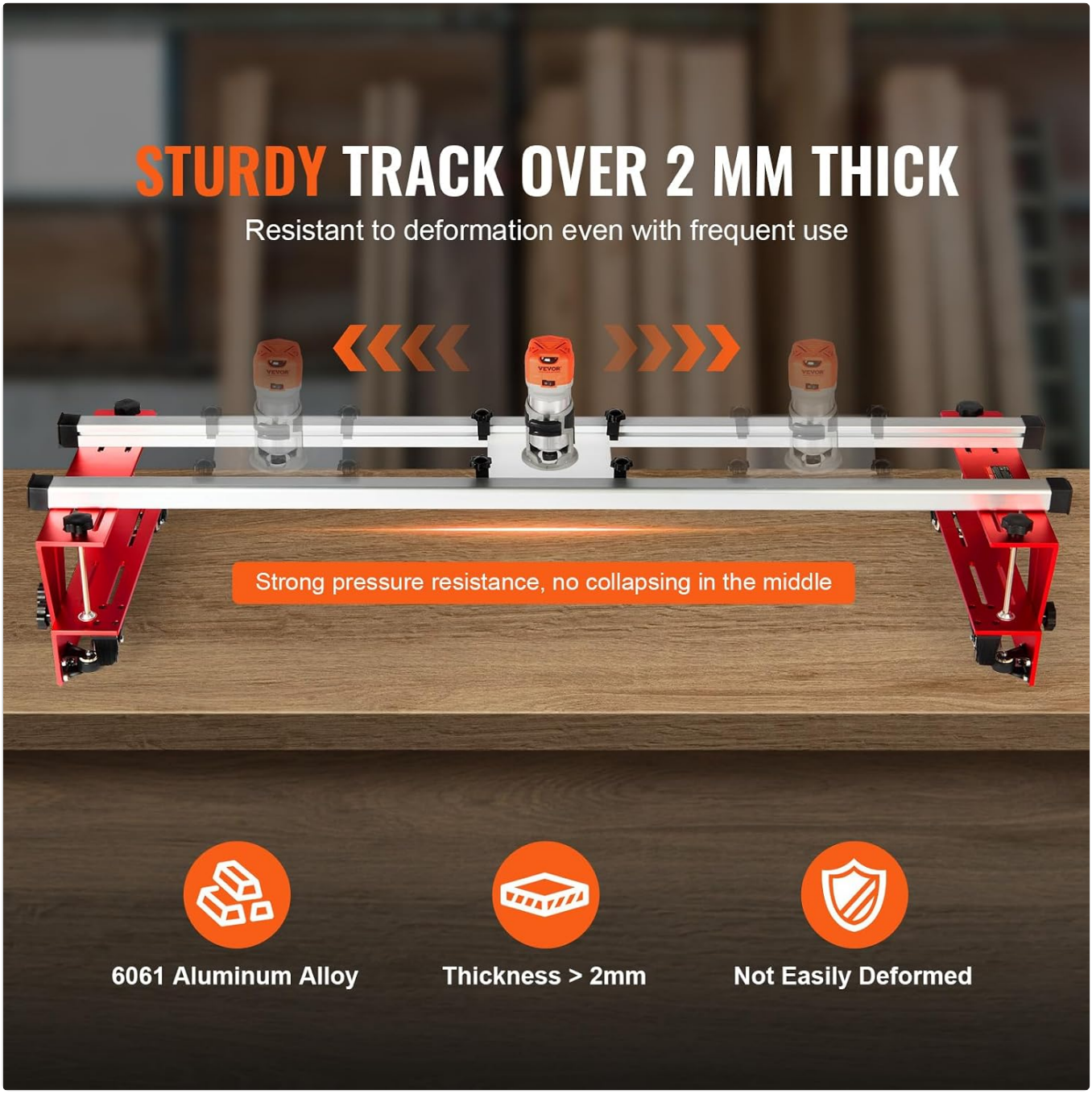


Figure 6: The sturdy track, over 2mm thick and made from 6061 Aluminum Alloy, is designed for strong pressure resistance and minimal deformation.

6. Troubleshooting

This section addresses common issues you might encounter with your router sled.

Problem	Possible Cause	Solution
Router not sliding smoothly	Accumulated dust/debris on rails; dry bearings; loose components.	Clean rails and bearings. Apply dry lubricant. Check and tighten all fasteners.

Problem	Possible Cause	Solution
Uneven surface after flattening	Incorrect height adjustment; worn router bit; workpiece not securely clamped; deflection in rails.	Ensure consistent height adjustment. Replace dull router bit. Secure workpiece firmly. Check rails for damage or excessive deflection.
Router bit hitting the sled	Router not properly mounted to plate; incorrect bit size.	Verify router is centered and securely fastened to the plate. Ensure router bit is not too large for the plate opening.

7. Specifications

Detailed technical specifications for the VEVOR Router Sled Model YS64-001S.

- **Item Model Number:** YS64-001S
- **Length:** 64 inches (1625 mm)
- **Width:** 4-10.5 inches (100-270 mm)
- **Height Adjustment Range:** 0-5.5 inches (0-135 mm)
- **Product Weight:** 32.7 lbs (14.85 kg)
- **Material:** 6061 Aluminum Alloy
- **Rail Limit Clamps:** 4

8. Warranty and Support

VEVOR is committed to providing high-quality products and excellent customer service. For warranty information, technical support, or to inquire about replacement parts, please visit the official VEVOR website or contact our customer service team directly.

Please retain your proof of purchase for any warranty claims.

Official VEVOR Store: Visit the VEVOR Store on Amazon

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