Truper EX-B2 (14516)

TRUPER EX-B2 Bearing Splitters User Manual

Model: EX-B2 (14516) | Brand: Truper

1. Introduction

Thank you for choosing the TRUPER EX-B2 Bearing Splitters. This manual provides essential information for the safe and effective use, setup, operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before operating the bearing splitter and keep it for future reference.
The TRUPER EX-B2 is designed for the extraction of bearings, gears, and other similar parts where traditional arm pullers cannot reach. It is a robust tool made from metal, ensuring durability and reliable performance.

2. Safety Information

Always observe basic safety precautions when using this tool to reduce the risk of personal injury or damage to the tool.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the workpiece is securely fastened before attempting any extraction.
- Do not exceed the tool's rated capacity.
- Inspect the tool for any damage or wear before each use. Do not use if damaged.
- Keep hands and fingers clear of moving parts during operation.
- Use the correct size splitter for the bearing or part being removed.
- Store the tool in a dry, safe place away from children.

3. Parts Identification

Familiarize yourself with the components of your TRUPER EX-B2 Bearing Splitter.

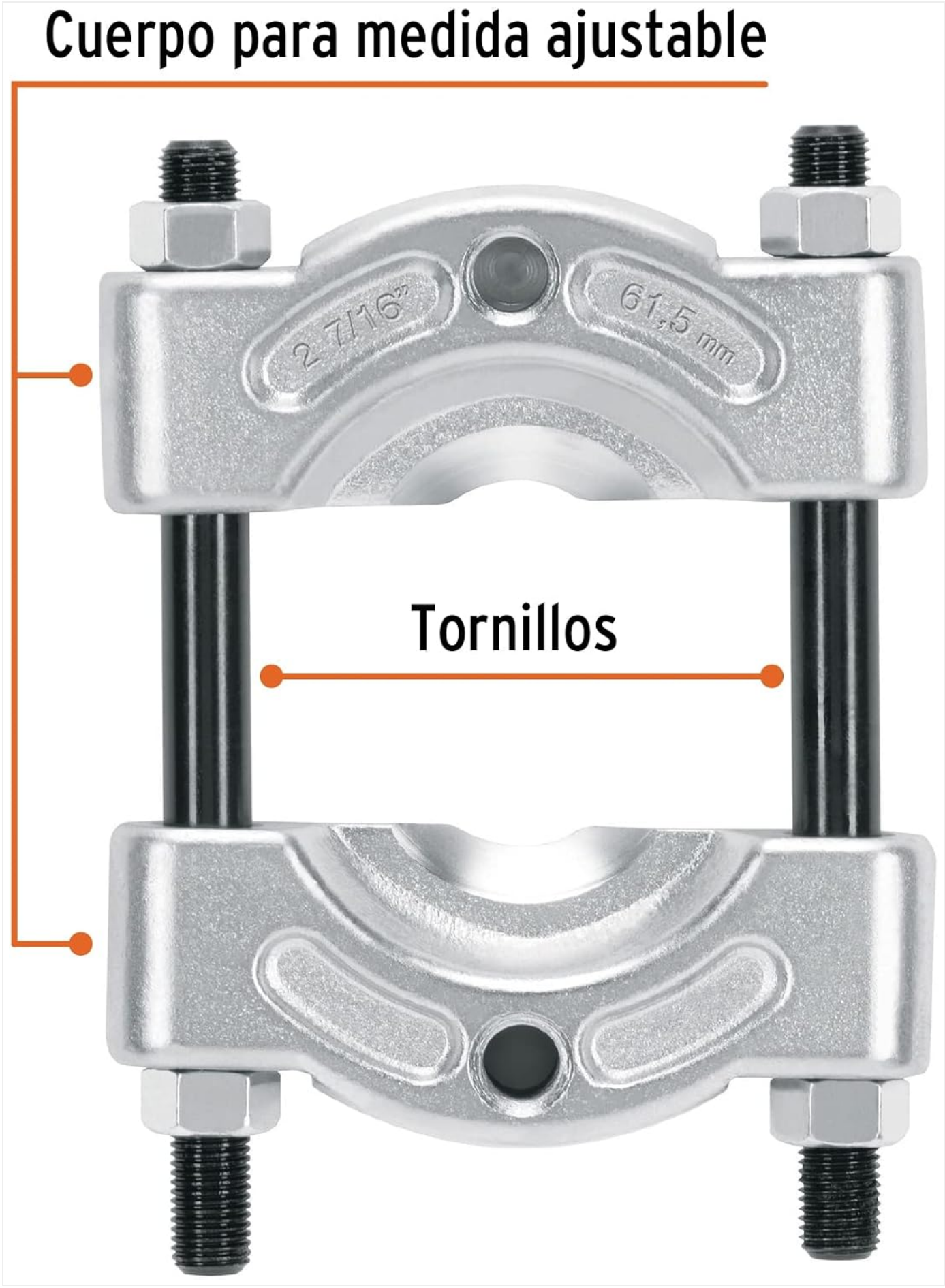


Figure 3.1: Components of the TRUPER EX-B2 Bearing Splitter. This image shows the main body of the splitter, highlighting the adjustable body (Cuerpo para medida ajustable) and the screws (Tornillos) that secure the two halves. The splitter is designed to accommodate bearings up to 2-1/4 inches (61.5 mm).

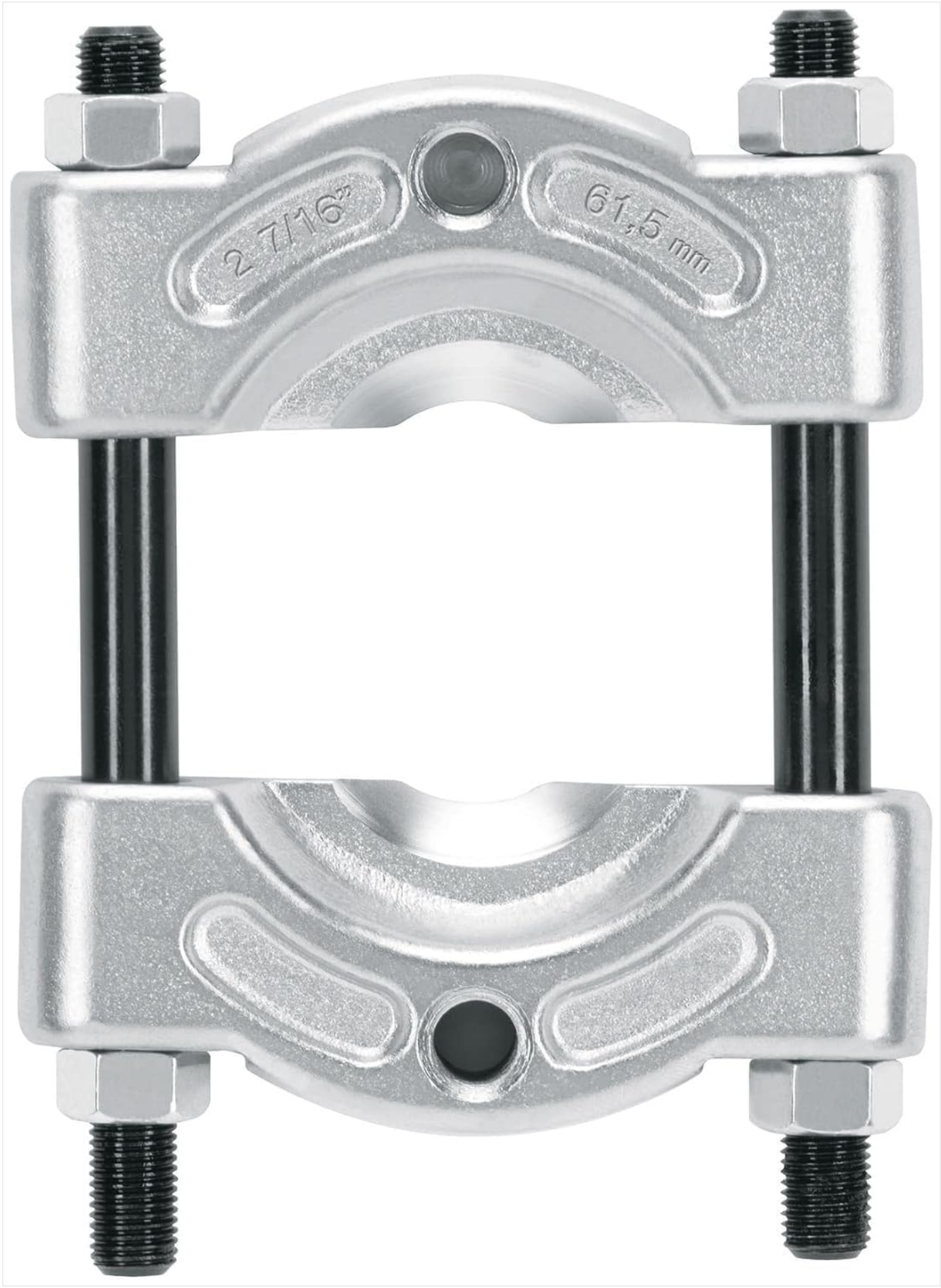


Figure 3.2: Front view of the TRUPER EX-B2 Bearing Splitter. This image displays the two halves of the splitter, showing the 2 7/16 inch and 61.5 mm markings for size reference. The threaded rods and nuts are visible, which are used to clamp the splitter around the bearing.

- **Splitter Halves:** Two precision-machined halves that clamp around the bearing.

- **Clamping Screws/Rods:** Threaded rods and nuts used to tighten the splitter halves.
- **Mounting Holes:** Holes for attaching a puller or press for extraction.

4. Setup

Before using the bearing splitter, ensure your workspace is clean and well-lit.

1. **Assess the Bearing:** Determine the size of the bearing or part to be removed to ensure it falls within the splitter's capacity (up to 2-1/4 inches).
2. **Clean the Area:** Remove any dirt, grease, or debris from around the bearing to ensure a secure grip.
3. **Position the Splitter:** Place the two halves of the splitter around the bearing, ensuring the knife-edge is positioned behind the bearing race.
4. **Insert Clamping Screws:** Insert the threaded rods through the holes in the splitter halves.
5. **Hand Tighten Nuts:** Thread the nuts onto the rods and hand-tighten them until the splitter halves are snug against the bearing.

5. Operating Instructions

Follow these steps for effective and safe bearing removal.

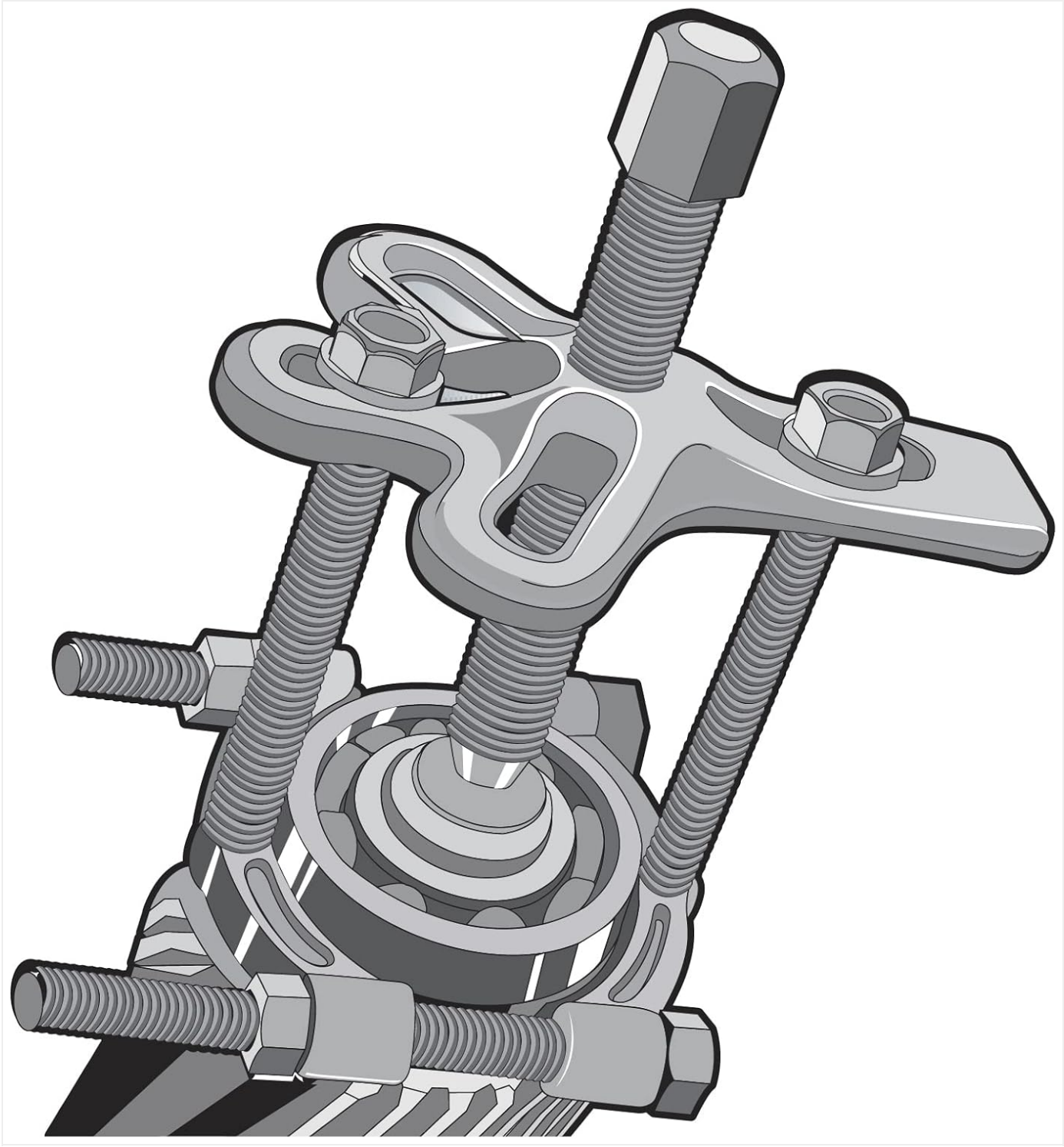


Figure 5.1: The TRUPER EX-B2 Bearing Splitter in operation, typically used in conjunction with a puller. This illustration demonstrates how the splitter clamps around a bearing, allowing a puller to apply force to extract it from a shaft or housing.

1. **Secure the Splitter:** Using a wrench, gradually and evenly tighten the nuts on the clamping screws. Ensure both sides are tightened equally to apply even pressure. The splitter should firmly grip the bearing.
2. **Attach Puller (if applicable):** If using a puller, attach its arms to the designated mounting holes on the splitter halves. Ensure the puller's center screw is aligned with the shaft or part from which the bearing is being removed.
3. **Apply Force:**
    - **With a Puller:** Slowly turn the puller's center screw clockwise to apply pressure and extract the bearing.
    - **With a Press:** Position the assembly under a hydraulic press, ensuring the splitter and bearing are stable. Apply gradual pressure to press the bearing out.
4. **Monitor Progress:** Observe the bearing as it separates. If resistance is excessive, re-check the setup and ensure the splitter is correctly positioned.

5. **Remove Bearing:** Once the bearing is free, carefully remove the splitter and the extracted bearing.

6. Maintenance

Proper maintenance ensures the longevity and performance of your TRUPER EX-B2 Bearing Splitter.

- **Cleaning:** After each use, wipe down the splitter with a clean cloth to remove any dirt, grease, or metal shavings.
- **Lubrication:** Apply a light coat of grease or oil to the threaded rods and nuts periodically to ensure smooth operation and prevent corrosion. The compatible lubricant is grease.
- **Inspection:** Regularly inspect the splitter for signs of wear, cracks, or deformation. Pay close attention to the knife-edges and threaded components.
- **Storage:** Store the tool in a dry environment to prevent rust. A tool box or drawer is ideal.

7. Troubleshooting

If you encounter issues while using your bearing splitter, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Splitter slips off bearing.	Not tightened sufficiently; incorrect positioning; bearing too large.	Ensure nuts are evenly and firmly tightened. Reposition the splitter so the knife-edge is fully behind the bearing race. Verify bearing size is within 2-1/4" capacity.
Difficulty tightening nuts.	Threads are dirty or corroded; nuts/rods are damaged.	Clean and lubricate threads. Inspect for damage; replace if necessary.
Bearing not moving.	Insufficient force applied; bearing seized; splitter not properly engaged.	Ensure adequate force from puller/press. Apply penetrating oil to seized bearings. Re-check splitter positioning.

8. Specifications

Technical specifications for the TRUPER EX-B2 Bearing Splitters.

Feature	Detail
Brand	Truper
Model Number	EX-B2 (14516)
Material	Metal
Item Weight	0.64 Kilograms (1.41 pounds)
Bearing Type	Ball Bearing (for extraction)
Compatible Lubricant	Grease
Extraction Capacity	Up to 2-1/4 inches (61.5 mm)
Package Dimensions	5.2 x 3.9 x 0.8 inches

9. Warranty and Support

The TRUPER EX-B2 Bearing Splitters come with a manufacturer's warranty. Please refer to the product packaging for specific warranty terms and conditions.



Figure 9.1: Product packaging for the TRUPER EX-B2 Bearing Splitter. The box indicates a "10 años Garantia Warranty" (10-year warranty).

For technical support, replacement parts, or warranty claims, please contact Truper customer service through their official website or the contact information provided on the product packaging.

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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.

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