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› RIDGID S36 Heavy-Duty Bolt Cutter (Model 14233) Instruction Manual

RIDGID 14233

RIDGID S36 Heavy-Duty Bolt Cutter Instruction Manual

Model: 14233

1. PRODUCT OVERVIEW

The RIDGID Model S36 Bolt Cutter (14233) is a robust tool designed for cutting various metal materials. It features hardened alloy steel jaws for durability and a one-step internal cam mechanism for precise blade alignment, ensuring efficient and controlled cutting operations. The handles are engineered to provide enhanced mechanical advantage, reducing user effort.



Image 1.1: The RIDGID S36 Bolt Cutter in its primary configuration, showcasing its long handles and cutting jaws.

Key Features:

- **Hardened Alloy Steel Jaws:** Engineered for extended blade life and durability.
- **One-Step Internal Cam Mechanism:** Facilitates quick and accurate blade alignment.
- **Ergonomic Handles:** Designed for improved mechanical advantage and comfortable grip during use.
- **Center Cut Design:** Optimized for efficient cutting performance.
- **Versatile Cutting Capacities:** Capable of cutting soft, medium, and hard metals within specified limits.

2. SAFETY INFORMATION

Always prioritize safety when operating any tool. Adhere to the following guidelines to prevent injury and ensure proper tool function:

- **Eye Protection:** Always wear ANSI-approved safety glasses or goggles to protect against flying debris.
- **Hand Protection:** Wear appropriate work gloves to protect hands from sharp edges and pinch points.
- **Stable Footing:** Ensure you have stable footing and balance before beginning any cutting operation.
- **Material Compatibility:** Never attempt to cut materials exceeding the tool's specified capacities for soft, medium, or hard metals. Refer to the "Specifications" section for details.
- **Electrical Safety:** Do not use this tool on live electrical wires or components. Bolt cutters are conductive and can cause severe electrical shock.
- **Pinch Points:** Keep hands and fingers clear of the cutting jaws and pivot points during operation.
- **Tool Condition:** Inspect the bolt cutter before each use for any signs of damage, wear, or misalignment. Do not use a damaged tool.
- **Proper Storage:** Store the tool in a dry, secure location, out of reach of children and unauthorized users.

3. SETUP

Before using your RIDGID S36 Bolt Cutter, perform a quick setup and inspection:

1. **Unpacking:** Carefully remove the bolt cutter from its packaging.
2. **Initial Inspection:** Examine the tool for any visible damage that may have occurred during shipping. Check the handles, jaws, and pivot points.
3. **Blade Alignment Check:** The S36 Bolt Cutter features a one-step internal cam mechanism designed to maintain precise blade alignment. Before first use and periodically thereafter, visually inspect the blades to ensure they meet evenly when closed. If misalignment is observed, refer to the "Maintenance" section for adjustment procedures (if applicable, or contact service).
4. **Cleanliness:** Ensure the jaws are free of any debris or protective coatings before use.



Image 3.1: Side view of the RIDGID S36 Bolt Cutter, illustrating the handle and jaw assembly.

4. OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your bolt cutter:

1. **Select Appropriate Tool:** Ensure the S36 Bolt Cutter is the correct tool for the material and diameter you intend to cut.
2. **Position Material:** Place the material to be cut as deep as possible into the jaws of the bolt cutter. This maximizes leverage and cutting efficiency.
3. **Grip Handles Firmly:** Grasp both handles firmly with both hands. The handles are designed to provide optimal mechanical advantage.
4. **Apply Pressure:** Apply steady, even pressure to the handles, bringing them together until the cut is complete. Avoid sudden jerking motions.
5. **Release and Inspect:** Once the cut is made, release the handles and remove the cut material. Inspect the cut edges for sharpness and any burrs.


Cutting Capacities:

The RIDGID S36 Bolt Cutter is designed for a center cut and has specific capacities for different metal types:

- **Soft Metals (e.g., bolts, screws, rivets, wire, non-ferrous metals):** Up to 9/16 inch (14.2 mm) diameter.
- **Medium Metals (e.g., iron, steel):** Up to 1/2 inch (12.7 mm) diameter.
- **Hard Metals (e.g., stainless steel, spring wire, heat-treated rod, reinforcing rod):** Up to 7/16 inch (11.1 mm) diameter.

Caution: Exceeding these capacities can damage the tool and pose a safety risk.

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Image 4.1: Close-up view of the hardened alloy steel jaws, showing the cutting edge.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RIDGID S36 Bolt Cutter.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove dirt, metal shavings, and moisture.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and blade surfaces to ensure smooth operation and prevent rust.
- **Blade Inspection:** Regularly inspect the cutting edges for nicks, chips, or excessive wear. While the jaws are designed for long life, severe damage may require professional servicing or replacement.
- **Storage:** Store the bolt cutter in a dry environment to prevent corrosion.

6. TROUBLESHOOTING

If you encounter issues with your bolt cutter, consider the following common solutions:

- **Difficulty Cutting:**

- Ensure the material is within the specified cutting capacity for its type (soft, medium, hard).
- Verify the material is positioned deep within the jaws for maximum leverage.
- Check for blade wear or damage. Severely worn blades may reduce cutting efficiency.

- **Blades Not Aligning Properly:**

- The tool features a one-step internal cam mechanism for alignment. If persistent misalignment occurs, inspect the pivot bolt for looseness. Do not attempt complex repairs; contact RIDGID customer support.

- **Stiff Operation:**

- Apply a light lubricant to the pivot points and moving parts.
- Ensure no debris is obstructing the mechanism.

For issues not resolved by these steps, contact RIDGID customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	RIDGID
Model Number	14233
Model Name	S36 Bolt Cutter
Overall Tool Length	38 inches (96.5 cm)
Item Weight	13.45 pounds (6.1 kg)
Product Dimensions	39.01 x 11.5 x 3 inches (99.1 x 29.2 x 7.6 cm)
Blade Material	Hardened Alloy Steel
Handle Material	Alloy Steel
Cutting Capacity (Soft Metals)	9/16 inch (14.2 mm)
Cutting Capacity (Medium Metals)	1/2 inch (12.7 mm)
Cutting Capacity (Hard Metals)	7/16 inch (11.1 mm)
Cut Type	Center Cut

8. WARRANTY AND SUPPORT

Warranty Information:

The RIDGID S36 Bolt Cutter is covered by a **Full Lifetime Warranty**. Should your tool ever malfunction due to defects in workmanship or materials, RIDGID will repair or replace the tool free of charge.

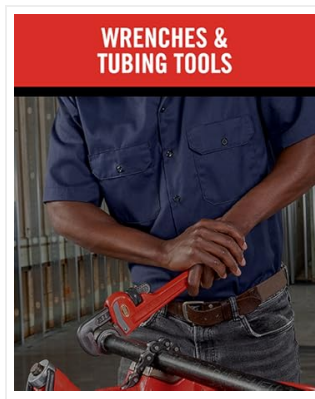


Image 8.1: RIDGID Full Lifetime Warranty emblem, indicating coverage against material defects and workmanship.

Customer Support:

For warranty claims, technical assistance, or further inquiries, please contact RIDGID customer support through their official website or authorized service centers. Keep your product model number (14233) handy when contacting support.

Visit the official RIDGID website for more information: www.ridgid.com

