

JTEX 180SB

JTEX 18-Gauge Shear Cutter Replacement Blades User Manual

Model: 180SB | Brand: JTEX

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your JTEX 18-Gauge Shear Cutter Replacement Blades. These blades are designed for various shear cutter models, ensuring precise and efficient cutting of sheet metal. Please read this manual thoroughly before attempting any installation or operation to ensure safety and optimal performance.

2. PRODUCT OVERVIEW

The JTEX replacement blade kit includes a set of three blades and one bushing, specifically engineered for 18-gauge shear cutters. The kit consists of two fixed blades (left and right) and one movable blade, all crafted from durable Cr5MOV1 material.



Figure 1: JTEX 18-Gauge Shear Cutter Replacement Blades. This image displays the complete set of replacement blades for the 18-gauge shear cutter. It includes two fixed blades (left and right), one movable blade, and a small bushing, all made of Cr5MOV1 material.

3. SPECIFICATIONS

Feature	Detail
Material	Cr5MOV1
Hardness	58-63 Rockwell
Blade Type	18 Gauge Shear Blade (3-piece kit)
Dimension (Fixed)	3-7/16 inches
Dimension (Movable)	3-3/4 inches
Cutting Capacity (Steel)	18 gauge
Cutting Capacity (Stainless Steel)	20 gauge
Item Weight	5.9 ounces
Product Dimensions	3.75 x 3.75 x 0.04 inches

4. COMPATIBILITY

These replacement blades are compatible with a wide range of 18-gauge shear cutters. Refer to your shear cutter's manual for specific blade replacement procedures.

Compatible Models Include:

- **Kett:** KIT102 (replaces Kett 60-21(C), 60-22(L), 60-22(R), 60-27)
- **Dewalt:** DC490B, DC490KA, DC490P, DW890, DW891, DW891-220, DW940K-2, DW941K-2 (replaces 91970-00(C), 91969-00(L), 91967-00(R))
- **Milwaukee:** 6850-2, 6850, 6850-4, 6852-20, 2635-20, 2635-22, 2635-80, 2635-82
- **Makita:** JS1300, JS1670, JS1600, JS3200, BJS130, BJS130z
- **Sioux:** 1446HPL1, SSH10P18, 1446ES, SSH10S18, 1446
- **Porter Cable:** 6603, 6602
- **B&D:** KB-301, 3207, 3208, 3208-220
- **Ingersoll Rand:** 7812G
- **Dotco:** 14CFS93-98, 14CFS93-99

5. SETUP AND INSTALLATION

Replacing shear blades requires careful attention to detail. Always refer to the specific instruction manual for your shear cutter model for precise steps. The following are general guidelines:

1. **Safety First:** Disconnect the shear cutter from its power source before beginning any maintenance or blade replacement. Wear appropriate personal protective equipment, including safety glasses and gloves.
2. **Access Blades:** Locate the blade housing on your shear cutter. Depending on the model, you may need to remove covers or loosen screws to access the existing blades.
3. **Remove Old Blades:** Carefully remove the worn or damaged blades. Note the orientation of each blade (left fixed, right fixed, movable) and any spacers or washers. *It is crucial to retain any existing spacers or bushings from your original setup, as they are vital for proper blade alignment and function.*
4. **Clean Housing:** Clean any debris or metal shavings from the blade housing area.
5. **Install New Blades:** Insert the new JTEX replacement blades into their respective positions. Ensure the movable blade is correctly seated and aligned with the fixed blades. Reinstall any spacers or bushings in their original configuration.

6. **Secure Blades:** Tighten all screws or fasteners securely, but do not overtighten. Ensure the blades move freely and are properly aligned.
7. **Test Operation:** Reconnect the power source and perform a test cut on a scrap piece of material to verify proper function and cutting quality before regular use.

For visual guidance, many online resources (e.g., video tutorials) are available for specific shear cutter models. Search for "[Your Shear Cutter Model] blade replacement" to find relevant instructions.

6. OPERATING INSTRUCTIONS

Once the new blades are installed, operate your shear cutter according to its original manufacturer's instructions. These blades are designed for cutting sheet metal up to 18-gauge steel and 20-gauge stainless steel. Ensure the material is properly supported and guided during cutting to achieve clean, precise cuts.

Note on Video Content: While there may be user-generated videos demonstrating shear cutter operation, this manual focuses on official product information. No official seller-provided videos are available for direct embedding at this time.

7. MAINTENANCE

Regular maintenance extends the life of your shear blades and ensures consistent performance.

- **Cleaning:** After each use, clean the blades and surrounding area to remove metal shavings and debris. A stiff brush or compressed air can be effective.
- **Lubrication:** Apply a light coat of machine oil to the blades and moving parts periodically to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect the blades for signs of wear, chipping, or dullness. Replace blades when they no longer provide clean cuts or show significant damage.
- **Storage:** Store the shear cutter and any spare blades in a dry, clean environment to prevent corrosion.

8. TROUBLESHOOTING

If you encounter issues with your JTEX replacement blades, consider the following common problems and solutions:

- **Blades do not fit:**
 - Double-check the compatibility list in Section 4 to ensure you have the correct blades for your shear cutter model.
 - Verify that all original spacers and bushings from your shear cutter were reinstalled correctly. Incorrect or missing spacers can affect fitment.
 - Some older or specific models may require minor adjustments (e.g., slight filing) for a perfect fit due to manufacturing tolerances. Proceed with caution if attempting such modifications.
- **Poor cutting quality (rough edges, difficulty cutting):**
 - Ensure the blades are properly aligned and securely tightened. Loose blades can lead to poor cuts.
 - Verify that the material being cut is within the specified gauge limits (18-gauge steel, 20-gauge stainless steel). Cutting thicker materials can damage the blades.
 - Inspect the blades for wear or damage. Even new blades can be affected by improper installation or cutting excessively hard materials.
 - Confirm that the shear cutter itself is functioning correctly and providing adequate power.
- **Unusual noise during operation:**
 - This may indicate improper blade alignment or loose components. Disconnect power and re-check installation steps.
 - Ensure the blades are adequately lubricated.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified technician.

9. SAFETY INFORMATION

Always prioritize safety when working with power tools and sharp blades.

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and heavy-duty gloves.
- Disconnect the power tool from the power source before changing blades, performing maintenance, or when the tool is not in use.
- Keep hands and fingers away from the cutting area during operation.
- Ensure the workpiece is stable and properly secured before cutting.
- Do not force the tool; allow the blades to cut at their intended speed.
- Keep the work area clean and well-lit.
- Store blades and tools out of reach of children.

10. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact JTEX customer service through the retailer where the product was purchased or visit the official JTEX brand store online.

JTEX Brand Store: [Visit the JTEX Store on Amazon](#)

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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

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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.

Submit question