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Burndy BURW238

Burndy W238 W-Die Set

Instruction Manual for Hydraulic Crimping Tools

Product Overview

The Burndy W238 W-Die Set is specifically designed for use with compatible Burndy hydraulic crimping tools, including the MD6, MD7, and OUR840 mechanical tools. This die set is essential for creating secure and reliable electrical connections by precisely crimping various types of connectors.

Each die in the set is marked with a Die Index of 238, ensuring compatibility and proper crimping force for specified applications. Manufactured in the United States, these dies comply with the RoHS standard, indicating a commitment to environmental responsibility.

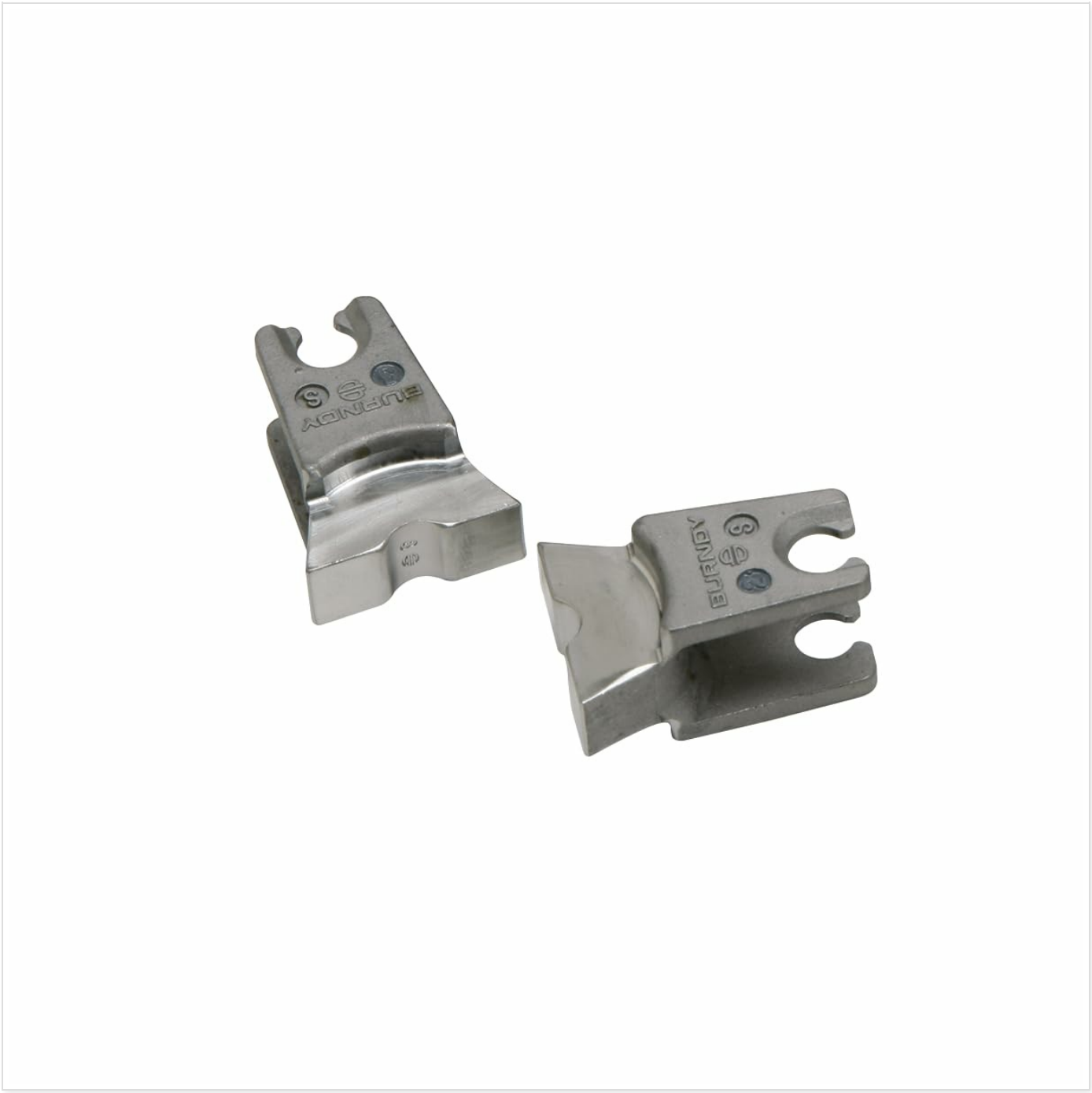


Image: The Burndy W238 W-Die Set, featuring two precision-engineered metal die components. These dies are designed to fit into hydraulic crimping tools for forming electrical connections.

Setup and Installation

Before installing the W238 W-Die Set, ensure your hydraulic crimping tool (e.g., MD6, MD7, OUR840) is clean and in good working condition. Always refer to your specific crimping tool's manual for detailed safety precautions and installation procedures.

1. **Safety First:** Disconnect power from any electrical systems before beginning work. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
2. **Tool Preparation:** Open the jaws of your hydraulic crimping tool to their widest position.
3. **Die Insertion:** Carefully insert each piece of the W238 die set into the designated slots within the crimping tool's jaws. Ensure they are seated correctly and securely. The dies are designed to fit precisely, preventing misalignment.
4. **Verification:** Gently close the tool's jaws to confirm that the dies align properly and move smoothly without obstruction. Do not force the dies into place.

5. **Pre-Use Check:** Perform a test crimp on a scrap piece of material if possible, to ensure the dies are installed correctly and the tool is functioning as expected.

Note: Incorrect installation of dies can lead to improper crimps, tool damage, or personal injury. If you are unsure about the installation process, consult a qualified professional or the tool's specific instruction manual.

Operating Instructions

Once the W238 W-Die Set is correctly installed in your hydraulic crimping tool, follow these general steps for operation:

1. **Select Connector:** Choose the appropriate electrical connector for your application, ensuring it is compatible with the W238 die index.
2. **Prepare Wire:** Strip the insulation from the wire to the recommended length for the connector. Ensure the wire strands are clean and untwisted.
3. **Position Connector:** Place the connector into the crimping area of the dies. Ensure the wire is fully inserted into the connector barrel.
4. **Initiate Crimp:** Activate the hydraulic crimping tool according to its operating instructions. Apply steady pressure until the crimp is complete. The tool's bypass valve will typically indicate a completed crimp by releasing pressure.
5. **Inspect Crimp:** After crimping, visually inspect the connection. A proper crimp should be uniform, secure, and free from sharp edges or exposed wire strands. Perform a pull test to ensure mechanical integrity.
6. **Repeat:** For multiple crimps, repeat the process, ensuring consistent quality for each connection.

Important: Always use the correct die set for the specific connector and wire gauge to achieve optimal electrical and mechanical performance. Using incorrect dies can result in faulty connections or damage to the tool and dies.

Maintenance

Proper maintenance of your Burndy W238 W-Die Set will extend its lifespan and ensure consistent performance:

- **Cleaning:** After each use, wipe the dies clean with a dry, lint-free cloth to remove any debris, metal shavings, or residue. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of rust-inhibiting oil to the metal surfaces of the dies, especially if they will be stored for an extended period or used in humid environments.
- **Inspection:** Regularly inspect the dies for signs of wear, damage, or deformation. Look for cracks, chips, or excessive wear on the crimping surfaces. Damaged dies should be replaced immediately to prevent improper crimps and potential tool damage.
- **Storage:** Store the die set in a clean, dry environment, preferably in its original packaging or a dedicated tool case, to protect it from dust, moisture, and physical damage.

Do not use abrasive materials or harsh chemicals for cleaning, as these can damage the die surfaces.

Troubleshooting

If you encounter issues while using your Burndy W238 W-Die Set, consider the following common troubleshooting steps:

- **Poor Crimp Quality:**
    - Ensure the correct die set (W238) is being used for the specific connector and wire gauge.
    - Verify that the dies are fully seated and aligned within the tool.
    - Check the condition of the dies for wear or damage.
    - Ensure the wire is properly stripped and fully inserted into the connector.

- Confirm the hydraulic tool is functioning correctly and reaching full crimping pressure.

- **Dies Sticking/Not Releasing:**
  - Clean the dies and the tool's jaw area to remove any debris.
  - Apply a light lubricant to the moving parts of the dies and tool jaws.
  - Ensure the tool's release mechanism is functioning properly.

- **Tool Malfunction:**
  - If the hydraulic tool itself is not operating correctly, refer to its specific instruction manual for troubleshooting or contact Burndy customer support.

For issues not resolved by these steps, or for complex tool repairs, it is recommended to contact Burndy customer service or a certified service center.

Specifications

Burndy W238 W-Die Set Technical Specifications

Feature	Detail
Model Number	BURW238
Die Index	238
Application	For MD6, MD7, OUR840 Mechanical Tools
Standard Compliance	RoHS Compatible with Exemption
Country of Origin	United States
Package Dimensions	9.38 x 7.44 x 6.13 inches
Item Weight	2.24 ounces
UPC	781810440353

Note: Specifications are subject to change without notice. Always refer to the latest product documentation from Burndy for the most accurate information.

Warranty and Support

For information regarding the warranty of your Burndy W238 W-Die Set, please refer to the official Burndy website or the warranty documentation provided with your purchase. Warranty terms and conditions may vary.

If you require technical assistance, have questions about product compatibility, or need to report a defect, please contact Burndy customer support directly. Contact information can typically be found on the official Burndy website or on your product packaging.

Burndy Official Website: www.burndy.com

When contacting support, please have your product model number (BURW238) and any relevant purchase information readily available.

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