

Burndy BURU327

Burndy U327 Stainless Steel U Die Instruction Manual

Model: BURU327 | Brand: Burndy

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use, maintenance, and storage of the Burndy U327 Stainless Steel U Die. Please read this manual thoroughly before using the product to ensure proper operation and to prevent potential damage or injury.

2. PRODUCT OVERVIEW

The Burndy U327 is a stainless steel U-die designed for crimping applications. It is specifically engineered to work with compatible Burndy hydraulic tools, ensuring reliable and consistent crimps.

Key Features:

- **Die Index:** 327
- **Material:** Stainless Steel
- **Application:** Compatible with Burndy Y35, Y39, Y45, Y46, and Y750 Hydraulic Tools.
- **Standard:** RoHS Compatible with Exemption



Image 1: Burndy U327 Stainless Steel U Die. This image displays the two halves of the U327 die, showing their robust stainless steel construction and the engraved 'INDEX 327' marking.

3. SETUP

Proper installation of the U327 die into your hydraulic crimping tool is crucial for safe and effective operation.

Installation Steps:

1. **Safety First:** Ensure the hydraulic tool is disconnected from its power source or depressurized before handling.
2. **Clean Tool Jaws:** Inspect the crimping tool's jaws for any debris or obstructions. Clean if necessary.
3. **Insert Die Halves:** Carefully insert each half of the U327 die into the designated slots within the hydraulic tool's jaws. Ensure they are seated correctly and securely. The die halves are designed to fit snugly.
4. **Verify Fit:** Once inserted, gently close the tool's jaws to confirm that the die halves align properly and do not bind.
5. **Ready for Use:** The tool is now ready for crimping with the U327 die.

Note: Always refer to your specific hydraulic tool's instruction manual for detailed die installation procedures.

4. OPERATING INSTRUCTIONS

The Burndy U327 die is used in conjunction with compatible hydraulic crimping tools to create secure electrical connections.

Crimping Procedure:

1. **Select Proper Connector:** Ensure the connector to be crimped is compatible with the U327 die and the conductor size.
2. **Prepare Conductor:** Strip the insulation from the conductor to the appropriate length as specified by the connector manufacturer.
3. **Insert Conductor:** Insert the prepared conductor fully into the connector barrel.
4. **Position for Crimp:** Place the connector and conductor assembly into the U327 die, ensuring the crimp area of the connector is centered within the die.
5. **Initiate Crimp:** Activate the hydraulic tool according to its operating instructions. Apply pressure until the crimp cycle is complete (e.g., the tool bypasses or a positive stop is reached).
6. **Inspect Crimp:** After crimping, visually inspect the connection for proper formation and security. The crimp should be uniform and tight.

Warning: Always wear appropriate personal protective equipment (PPE), such as safety glasses, when operating hydraulic crimping tools.

5. MAINTENANCE

Regular maintenance of your Burndy U327 die will extend its lifespan and ensure consistent performance.

Care and Storage:

- **Cleaning:** After each use, wipe the die halves clean with a dry, lint-free cloth to remove any residue or debris.
- **Inspection:** Periodically inspect the die for signs of wear, cracks, or deformation. Replace the die if any damage is observed.
- **Lubrication:** A light coat of rust-inhibiting oil can be applied to the die surfaces if storing for extended periods in humid environments.
- **Storage:** Store the U327 die in a clean, dry environment, preferably in its original packaging or a protective case, to prevent corrosion and damage.

6. TROUBLESHOOTING

This section addresses common issues that may arise during the use of the Burndy U327 die.

Common Issues and Solutions:

- **Poor Crimp Quality:**
 - Ensure the correct die (U327) is used for the specific connector and conductor size.
 - Verify the hydraulic tool is functioning correctly and applying adequate pressure.
 - Inspect the die for wear or damage; replace if necessary.
- **Die Not Fitting in Tool:**
 - Confirm the hydraulic tool is compatible with U-dies (e.g., Burndy Y35, Y39, Y45, Y46, Y750).
 - Check for debris in the tool's die slots.
- **Die Sticking After Crimp:**
 - Ensure the tool's release mechanism is functioning properly.
 - Clean the die and tool jaws to remove any residue.

If issues persist, contact Burndy customer support or a qualified technician.

7. SPECIFICATIONS

Attribute	Detail
Product Name	U327 Stainless Steel U Die
Brand	Burndy
Item Model Number	BURU327
Die Index	327
Material	Stainless Steel
Compatible Tools	Burndy Y35, Y39, Y45, Y46, Y750 Hydraulic Tools
Product Dimensions	1 x 1 x 1 inches
Item Weight	2.88 ounces
Manufacturer	Burndy
ASIN	B0171JPTEE
Date First Available	October 18, 2015

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact Burndy customer service directly. Details can typically be found on the official Burndy website or through your authorized distributor.

Burndy Official Website: www.burndy.com