

## Greenlee 14722

# Greenlee 14722 Knockout Punch Die Instruction Manual

Model: 14722 | Brand: Greenlee

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of the Greenlee 14722 Knockout Punch Die. Please read this manual thoroughly before operating the tool to ensure proper function and user safety. The Greenlee 14722 is designed for creating clean, accurate holes in metal materials.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions may result in serious injury or property damage.**

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating knockout punches.
- Ensure the workpiece is securely clamped before punching to prevent movement and potential injury.
- Never operate the punch near flammable materials or in explosive atmospheres.
- Keep hands and fingers clear of the punch and die area during operation.
- Use only Greenlee-approved punches, dies, and draw studs that are compatible with your driver.
- Inspect the punch and die for damage or wear before each use. Do not use damaged equipment.
- Keep children and bystanders away from the work area.

## 3. PRODUCT OVERVIEW

The Greenlee 14722 is a standard replacement die designed for use with Greenlee knockout punches. It is part of a complete unit that includes a punch, die, and draw stud, all necessary for creating precise holes in various metal materials. This die is specifically designed for 1/2 inch conduit/pipe size applications.

## Key Features:

- Designed for use with battery-powered, hydraulic, ratchet, or manual drivers.
- Facilitates clean, fast, and accurate holes when properly assembled through pilot holes.
- Suitable for use on mild steel up to 10 gauge (check specific punch specifications for exact capacity).
- Slug-Buster compatible for efficient slug removal.



Figure 1: Top view of the Greenlee 14722 Knockout Punch Die, showing the internal cutting edge.



Figure 2: Side view of the Greenlee 14722 Knockout Punch Die, displaying the Greenlee logo and model number.

## 4. SETUP

1. **Select Components:** Ensure you have the correct Greenlee punch and draw stud that match the 14722 die for the desired hole size.
2. **Prepare Workpiece:** Mark the center of the desired hole location on the metal material. Drill a pilot hole at this mark. The pilot hole size must be appropriate for the draw stud being used.
3. **Assemble Punch and Die:**
  - Insert the draw stud through the pilot hole from the side of the material where the punch will be placed.
  - Thread the punch onto the draw stud on one side of the material.
  - Thread the 14722 die onto the draw stud on the opposite side of the material, ensuring the cutting edge faces the material.

4. **Connect Driver:** Attach your chosen driver (manual, ratchet, hydraulic, or battery-powered) to the draw stud.

## 5. OPERATING INSTRUCTIONS

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1. **Secure Workpiece:** Ensure the material is firmly held in place to prevent shifting during the punching process.
2. **Align Components:** Verify that the punch, die, and draw stud are correctly aligned and centered over the pilot hole.
3. **Engage Driver:** Operate the driver according to its specific instructions. Apply steady, even pressure to draw the punch through the material.
4. **Complete Punch:** Continue operating the driver until the punch fully cuts through the material and the slug falls into the die.
5. **Remove Slug:** Once the hole is cut, loosen the draw stud and remove the punch and die. The slug will typically fall free from the die with a quick tip.
6. **Inspect Hole:** Check the newly punched hole for cleanliness and accuracy.

## 6. MAINTENANCE

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- **Cleaning:** After each use, clean the die and punch to remove any metal shavings or debris. A stiff brush or compressed air can be used.
- **Lubrication:** Apply a light coat of oil to the cutting edges of the die and punch to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect the die for signs of wear, dullness, or damage to the cutting edge. A dull die can lead to poor cuts and increased effort.
- **Storage:** Store the die in a clean, dry place to protect it from moisture and corrosion.

## 7. TROUBLESHOOTING

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### Common Issues and Solutions:

- **Poor Cut Quality / Burrs:**
  - Ensure the punch and die are correctly aligned and tightened.
  - Check if the die or punch is dull or damaged; replace if necessary.
  - Verify the material thickness is within the tool's specified capacity.
- **Difficulty Clearing Slugs:**
  - Ensure the slug falls freely into the die. If using a Slug-Buster system, verify its proper function.
  - Clean any debris from the die cavity.
- **Excessive Force Required:**
  - Lubricate the draw stud threads.
  - Check for dullness or damage to the punch and die.
  - Confirm the material thickness is not exceeding the tool's capacity.

## 8. SPECIFICATIONS

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Attribute	Value
Model Number	14722
Brand	Greenlee
Material	Alloy Steel, Metal
Color	Black
Operation Mode	Manual (compatible with hydraulic, ratchet, battery-powered drivers)
Conduit/Pipe Size	1/2 inch
Pin Hole Diameter	0.88 Inches
Maximum Material Gauge	10 gauge mild steel (check specific punch for exact capacity)
Item Weight	0.64 ounces
UPC	783310147220

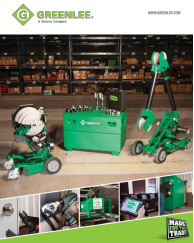
## 9. WARRANTY INFORMATION

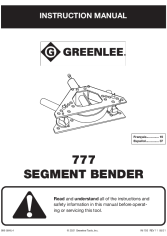




Goods manufactured by Greenlee Textron are warranted to be free from defects in workmanship and material for a period of one year from the date of user purchase. This warranty is valid provided such goods are installed, operated, used, and maintained in accordance with Greenlee's written instructions. For specific warranty claims or details, please refer to the official Greenlee warranty policy or contact Greenlee customer support.

## 10. SUPPORT

For further assistance, technical support, or inquiries regarding the Greenlee 14722 Knockout Punch Die, please visit the official Greenlee website or contact their customer service department. Always refer to the model number (14722) when seeking support.

### Related Documents - 14722

	<p><a href="#">Greenlee Professional Tools Catalog: Electrical, Utility &amp; Communications</a></p> <p>Explore Greenlee's comprehensive catalog of professional tools for electrical, utility, and communications trades. Discover hand tools, knockout systems, wire termination, and more, designed for speed, safety, and efficiency.</p>
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 <p>INSTRUCTION MANUAL GREENLEE 777 SEGMENT BENDER</p> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.</p>	<p><a href="#">Greenlee 777 Segment Bender Instruction Manual</a></p> <p>Instruction manual for the Greenlee 777 Segment Bender, providing detailed guidance on safe operation, setup, bending techniques, maintenance, and parts identification for this conduit bending tool.</p>
 <p>INSTRUCTION MANUAL MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS GREENLEE TG-1000 Infrared Thermometer Termómetro infrarrojo Thermomètre infrarouge</p> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.</p>	<p><a href="#">Greenlee TG-1000 Infrared Thermometer Instruction Manual</a></p> <p>Comprehensive instruction manual for the Greenlee TG-1000 Infrared Thermometer. Learn about its features, safe operation, maintenance, and troubleshooting for accurate non-contact temperature measurements in various applications.</p>
 <p>INSTRUCTION MANUAL MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS GREENLEE TG-2000 Infrared and Contact Thermometer Termómetro infrarrojo y de contacto Thermomètre infrarouge et à contact</p> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.</p>	<p><a href="#">Greenlee TG-2000 Infrared and Contact Thermometer Instruction Manual</a></p> <p>Instruction manual for the Greenlee TG-2000 Infrared and Contact Thermometer, detailing its features, safety precautions, operation, troubleshooting, emissivity, accuracy, specifications, and maintenance.</p>
 <p>INSTRUCTION MANUAL MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS GREENLEE DM-40 Digital Multimeter Multímetro digital Contrôleur numérique</p> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.</p>	<p><a href="#">Greenlee DM-40 Digital Multimeter Instruction Manual</a></p> <p>User guide for the Greenlee DM-40 Digital Multimeter, detailing its features, operation, safety instructions, and specifications for electrical testing.</p>
 <p>TRANSACT SERVICE MANUAL GREENLEE 1990 Dieless Hydraulic Crimping Tool Serial Codes WH and YM</p> <p>Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.</p>	<p><a href="#">Greenlee 1990 Dieless Hydraulic Crimping Tool Service Manual</a></p> <p>Comprehensive service manual for the Greenlee 1990 Dieless Hydraulic Crimping Tool (Serial Codes WH and YM), detailing operation, maintenance, repair, safety, troubleshooting, and parts.</p>