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RIDGID 58712

RIDGID 58712 Tool Bit Instruction Manual

Model: 58712

1. Introduction

This manual provides essential information for the safe and effective use of your RIDGID 58712 Tool Bit. Please read these instructions thoroughly before installation and operation to ensure proper function and to prevent injury or damage. Keep this manual for future reference.

2. Product Overview

The RIDGID 58712 Tool Bit is designed for boring applications. It is a durable accessory intended for use with compatible power tools. This product is manufactured to high standards for reliable performance.



Figure 1: The RIDGID 58712 Tool Bit. This image displays the robust metal construction of the tool bit, featuring a cylindrical hole for attachment and a distinct L-shaped cutting edge designed for boring tasks.

3. Safety Information

Always observe the following safety precautions when handling and operating the tool bit:

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, gloves, and hearing protection when operating power tools with this bit.
- **Inspect Before Use:** Before each use, inspect the tool bit for any signs of damage, cracks, or excessive wear. Do not use a damaged bit.
- **Secure Workpiece:** Ensure the material being worked on is securely clamped or held to prevent movement during operation.
- **Proper Tool Compatibility:** Use this bit only with power tools that are designed to accept and safely operate boring bits of this size and type. Refer to your power tool's manual for compatibility.
- **Maintain Control:** Always maintain a firm grip on the power tool and be aware of its rotational force.

- **Keep Clear:** Keep hands, hair, and loose clothing away from the rotating bit.
- **Disconnect Power:** Always disconnect the power tool from its power source before changing bits or performing any maintenance.

4. Setup

Follow these steps to properly install the RIDGID 58712 Tool Bit:

1. **Ensure Power Tool is Off:** Verify that your power tool is turned off and unplugged or has its battery removed.
2. **Open Chuck:** Open the chuck jaws of your power tool to a size slightly larger than the shank of the 58712 Tool Bit.
3. **Insert Bit:** Insert the shank of the tool bit into the chuck, ensuring it is seated as deeply as possible without the cutting edges touching the chuck jaws.
4. **Tighten Chuck:** Securely tighten the chuck jaws around the bit shank. For chucks requiring a key, use the key to tighten firmly. For keyless chucks, hand-tighten and then give an extra twist to ensure a secure grip.
5. **Verify Security:** Gently pull on the bit to confirm it is securely held and will not slip during operation.

5. Operating Instructions

Once the RIDGID 58712 Tool Bit is securely installed, follow these guidelines for operation:

1. **Select Appropriate Speed:** Choose the correct speed setting on your power tool for the material you are boring. Harder materials generally require slower speeds.
2. **Position Workpiece:** Place the workpiece on a stable surface and secure it to prevent movement.
3. **Start Boring:** With the power tool running at the selected speed, slowly bring the rotating bit into contact with the workpiece. Apply steady, even pressure.
4. **Clear Chips:** Periodically withdraw the bit slightly to clear chips and debris from the hole, especially when boring deep holes. This helps prevent overheating and improves cutting efficiency.
5. **Avoid Overheating:** If the bit or workpiece becomes excessively hot, pause operation to allow them to cool. Overheating can dull the bit and damage the material.
6. **Complete Bore:** Continue boring until the desired depth is reached.
7. **Withdraw Bit:** Once the bore is complete, slowly withdraw the bit from the workpiece while the power tool is still running. Turn off the power tool only after the bit is clear of the material.

6. Maintenance

Proper maintenance extends the life of your RIDGID 58712 Tool Bit:

- **Cleaning:** After each use, clean the bit to remove any accumulated debris, dust, or resin. A stiff brush or compressed air can be used.
- **Lubrication:** For certain materials, using a cutting lubricant can reduce friction, heat, and wear on the bit. Consult material guidelines for recommendations.
- **Sharpening:** If the bit becomes dull, it may be professionally sharpened or replaced. A dull bit can lead to inefficient boring, overheating, and potential damage to the workpiece or power tool.
- **Storage:** Store the tool bit in a dry, protected environment to prevent rust and damage. Keep it away from moisture and corrosive substances.

7. Troubleshooting

If you encounter issues while using your RIDGID 58712 Tool Bit, consider the following:

- **Bit Not Cutting Effectively:**
  - Check if the bit is dull and requires sharpening or replacement.
  - Ensure the correct speed setting is used for the material.
  - Verify that sufficient, but not excessive, pressure is applied.
- **Excessive Heat or Smoke:**
  - Reduce the drilling speed.
  - Clear chips more frequently.
  - Consider using a cutting lubricant.
  - Ensure the bit is sharp.
- **Bit Wobbling or Vibrating:**
  - Ensure the bit is securely tightened in the chuck.
  - Check if the bit is bent or damaged; replace if necessary.
  - Verify the power tool's chuck is not damaged or worn.
- **Poor Hole Quality:**
  - Ensure the bit is sharp and clean.
  - Use appropriate speed and feed rate for the material.
  - Secure the workpiece firmly.

8. Specifications

Specification	Detail
Model Number	58712
Part Number	58712
Item Weight	1 pound
Product Dimensions	6 x 4.5 x 0.4 inches
Item Package Quantity	1
Manufacturer	RIDGID

9. Warranty and Support

For information regarding warranty coverage, technical support, or service for your RIDGID 58712 Tool Bit, please contact RIDGID customer service directly or visit the official RIDGID website. Keep your purchase receipt as proof of purchase.

RIDGID Official Website: www.ridgid.com

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