

[Manuals.plus](#) /

› [BLACK+DECKER](#) /

› DeWalt Self-Tightening Drill Chuck Instruction Manual for Models DCD734, DCD771, DCD776, DCD777, DCD778 (N472497)

BLACK+DECKER N472497

DeWalt Self-Tightening Drill Chuck Instruction Manual

Model: N472497

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your DeWalt self-tightening drill chuck. Please read this manual thoroughly before installation and operation to ensure proper function and to prevent injury or damage. Keep this manual for future reference.

GENERAL SAFETY INSTRUCTIONS

- Always wear appropriate personal protective equipment, including safety glasses, when operating power tools.
- Ensure the power tool is disconnected from its power source (battery removed or unplugged) before performing any assembly, adjustments, or maintenance.
- Verify that the chuck is securely attached to the drill spindle before use.
- Do not overtighten the chuck. The self-tightening mechanism will secure the bit during operation.
- Use only drill bits and accessories that are compatible with the chuck's capacity.
- Keep hands and loose clothing away from rotating parts.
- If the chuck appears damaged or does not function correctly, discontinue use immediately and replace it.

PRODUCT OVERVIEW

This is an original DeWalt self-tightening drill chuck designed as a replacement part for specific DeWalt drill/driver models. It features a robust construction for reliable performance and secure bit retention.



Image: DeWalt Self-Tightening Drill Chuck. This image shows the complete chuck assembly, highlighting its robust design and keyless tightening mechanism.

COMPATIBLE DeWALT DRILL MODELS

This chuck is compatible with the following DeWalt drill/driver models. Please verify your tool's model number, typically found on the identification plate, before installation.

- DCD734 Type 1
- DCD771 Type 1
- DCD771 Type 10
- DCD776 Type 1
- DCD776 Type 10
- DCD776 Type 20
- DCD777 Type 1
- DCD778 Type 1

INSTALLATION INSTRUCTIONS

Follow these steps to install the new self-tightening drill chuck onto your compatible DeWalt drill/driver.

1. **Prepare the Drill:** Ensure the drill's battery pack is removed or the power cord is unplugged to prevent accidental startup.
2. **Remove Old Chuck (if applicable):**
 - Open the jaws of the old chuck as wide as possible.
 - Locate the chuck retaining screw inside the chuck jaws. This screw typically has a left-hand thread (turn clockwise to loosen). Use an appropriate screwdriver to remove it.
 - Insert an Allen wrench or a large hex key into the chuck jaws and tighten them securely.
 - Using a mallet, strike the Allen wrench sharply in a counter-clockwise direction to loosen the chuck from the spindle. The chuck has a standard right-hand thread (turn counter-clockwise to loosen).
 - Unscrew the old chuck completely from the drill spindle.
3. **Install New Chuck:**
 - Clean the drill spindle threads thoroughly.
 - Screw the new self-tightening chuck onto the drill spindle by hand, turning it clockwise until it is finger-tight.
 - Insert the chuck retaining screw (if applicable, typically supplied with the drill, not the chuck) into the chuck jaws and tighten it securely by turning counter-clockwise (left-hand thread).
 - Ensure the chuck is firmly seated and does not wobble.
4. **Test Functionality:** Reinsert the battery or plug in the drill and briefly run it at a low speed to ensure the chuck runs true and is securely attached.

OPERATING INSTRUCTIONS

Using the self-tightening chuck is straightforward. Follow these steps to insert and remove drill bits or other accessories.

1. **Inserting a Bit:**
 - Grasp the front collar of the chuck and rotate it counter-clockwise to open the chuck jaws.
 - Insert the shank of the drill bit or accessory into the chuck jaws as far as it will go.
 - Rotate the front collar clockwise by hand until the jaws firmly grip the bit. The self-tightening mechanism will further secure the bit during operation. Do not use tools to overtighten.
 - Pull on the bit to ensure it is securely held.
2. **Removing a Bit:**
 - Grasp the front collar of the chuck and rotate it counter-clockwise to loosen the chuck jaws.
 - Remove the drill bit or accessory.

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your drill chuck.

- **Cleaning:** Periodically clean the chuck jaws and threads to remove dust, debris, and metal shavings. Use a dry cloth or a soft brush. Avoid using solvents that could damage the chuck's components.
- **Lubrication:** Lightly lubricate the chuck jaws and threads with a small amount of machine oil if they become stiff or difficult to operate. Do not over-lubricate.
- **Inspection:** Regularly inspect the chuck for signs of wear, damage, or cracks. If any damage is observed, replace the chuck immediately to prevent accidents.
- **Storage:** Store the chuck in a clean, dry environment when not in use.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Chuck does not tighten properly.	Jaws are dirty or worn. Incorrect bit insertion.	Clean jaws. Ensure bit shank is fully inserted. If jaws are worn, replace chuck.
Bit slips during operation.	Chuck not fully tightened. Bit shank is oily or dirty.	Ensure chuck is hand-tightened. Clean bit shank.
Chuck is difficult to open or close.	Accumulated dirt/debris. Lack of lubrication.	Clean chuck jaws and threads. Apply a small amount of machine oil.
Chuck wobbles or runs off-center.	Chuck not properly seated on spindle. Spindle damage. Chuck damage.	Re-install chuck, ensuring it's fully threaded. Inspect drill spindle for damage. If chuck is damaged, replace it.

SPECIFICATIONS

Model Number	N472497
Brand	DeWalt (Manufactured by BLACK+DECKER)
Material	Steel or Steel Alloy
Thread Size	M14
Locking Type	Manual (Self-tightening)
Handle Type	Hand-tightened
Compatible Devices	Drill/Driver (Specific DeWalt models)

WARRANTY AND SUPPORT

For warranty information or technical support regarding this DeWalt drill chuck, please refer to the documentation provided with your original DeWalt power tool or contact BLACK+DECKER customer service. Keep your purchase receipt as proof of purchase. You can find more information and contact details on the official [BLACK+DECKER Store](#).

