DEWALT DCE700X2

DEWALT DCE700X2 60V MAX Cordless Pipe Threader Kit User Manual

Model: DCE700X2

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DCE700X2 60V MAX Cordless Pipe Threader Kit. Please read and understand all instructions before using the tool.

2. General Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment, including eye protection, gloves, and hearing protection.
- Ensure the work area is clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool.
- Maintain proper footing and balance at all times.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- Use the correct tool for your application. Do not force the tool.
- Store idle tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.
- Use the power tool, accessories, and tool bits in accordance with these instructions, taking into account the working conditions and the work to be performed.

3. Package Contents

The DEWALT DCE700X2 60V MAX Cordless Pipe Threader Kit typically includes the following components:

- DEWALT DCE700 Pipe Threader
- (2) DEWALT 60V MAX FLEXVOLT 9.0Ah Batteries
- Fast Charger
- Pipe Clamp
- Die Head (specific size may vary)
- Storage Bag
- Hard Case for Die Heads



Figure 1: Overview of the DEWALT DCE700X2 60V MAX Cordless Pipe Threader Kit, showing the threader tool, two 9.0Ah FLEXVOLT batteries, charger, pipe clamp, and storage cases.

4. Product Overview

Familiarize yourself with the main components of the DEWALT DCE700 Pipe Threader.

1. **Die Head Receiver:** Area where the die head is attached.
2. **Forward/Reverse Switch:** Controls the direction of rotation.
3. **Trigger Switch:** Activates the tool.
4. **Handle:** Ergonomic grip for control.
5. **Battery Port:** Location for inserting the FLEXVOLT battery.
6. **E-Clutch System:** Provides user control in bind-up situations.
7. **Auxiliary Handle:** For additional grip and control during operation.



Figure 2: Side view of the DEWALT DCE700 Pipe Threader, highlighting the main body and die head receiver.



Figure 3: Top view of the DEWALT DCE700 Pipe Threader, illustrating the E-Clutch mechanism and handle.

5. Setup

5.1. Battery Installation and Charging

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the 60V MAX FLEXVOLT battery. The charger indicator light will show charging status.
2. To install the battery, align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and pull it out.



Figure 4: A hand inserting a DEWALT FLEXVOLT battery into the battery port of the DCE700 Pipe Threader.

5.2. Attaching the Die Head

1. Ensure the tool is off and the battery is removed.
2. Align the die head with the die head receiver on the tool.
3. Push the die head onto the receiver and twist slightly until it locks into place. Ensure it is securely fastened.

5.3. Securing the Pipe

Use the provided pipe clamp or a suitable pipe vise to securely hold the pipe being threaded. The pipe must be stable and unable to rotate during the threading process.

6. Operating Instructions

IMPORTANT: Always use appropriate cutting oil during the threading process to ensure clean threads, extend die life, and prevent overheating.

1. **Prepare the Pipe:** Cut the pipe to the desired length and ream the inside edge to remove burrs.
2. **Apply Cutting Oil:** Liberally apply cutting oil to the end of the pipe where the threads will be cut. Continue to apply oil throughout the threading process.
3. **Position the Die Head:** Place the die head onto the end of the pipe.
4. **Start Threading:**
    - Ensure the forward/reverse switch is in the forward (threading) position.
    - Hold the tool firmly with both hands, using the main handle and the auxiliary handle.
    - Press the trigger switch to start the tool. Apply steady, firm pressure to engage the dies with the pipe.
    - Allow the tool to cut the threads. The E-Clutch system will help manage torque in case of a bind-up.

    - Continue applying cutting oil as the threads are being formed.
5. **Complete Threading:** Once the desired thread length is achieved, release the trigger switch.
6. **Reverse and Remove:**
    - Switch the forward/reverse switch to the reverse position.
    - Press the trigger switch to rotate the die head off the newly threaded pipe.
    - Clean any metal shavings and excess oil from the pipe and die head.

7. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** After each use, clean the tool and die head thoroughly to remove metal shavings, dirt, and cutting oil residue. Use a dry cloth or compressed air. Do not use solvents.
- **Die Head Inspection:** Regularly inspect the die teeth for wear or damage. Worn dies will produce poor quality threads and should be replaced. The DCE700 is compatible with RIDGID® 12R style die heads.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Tool Storage:** Store the pipe threader and its accessories in the provided storage bag and hard case in a dry, secure location.

8. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	• Battery not installed correctly • Battery discharged • Tool malfunction	• Ensure battery is fully seated. • Charge the battery. • Contact DEWALT service.
Poor thread quality	• Insufficient cutting oil • Worn or damaged dies • Pipe not securely clamped	• Apply liberal amounts of cutting oil. • Replace die head. • Re-secure the pipe firmly.
Tool binds or stalls	• Excessive pressure • Dull dies • Insufficient cutting oil	• Reduce pressure; let the tool do the work. • Replace die head. • Apply more cutting oil.

9. Specifications

Feature	Detail
Model Number	DCE700X2
Voltage	60V MAX
Battery Type	FLEXVOLT Lithium Ion
Battery Capacity	9.0 Ah
Amperage	9 Amps

Feature	Detail
Compatible Die Heads	RIDGID® 12R style
Item Weight	0.01 Ounces (Tool only, without battery)
Package Weight	27.22 Kilograms (Full kit)
Dimensions (LxWxH)	31.17 x 1 x 18.2 inches (Tool only)
UPC	885911635042

10. Warranty and Support

For warranty information, service, or technical support, please contact DEWALT customer service or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

DEWALT Official Website: www.dewalt.com

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