

DEWIN DEWINKosep47ha6

DEWIN 5-Piece Screw Extractor Set

Models: M4-M18 / 3/16"-5/8" (DEWINKosep47ha6)

1. INTRODUCTION

The DEWIN 5-Piece Screw Extractor Set is designed for the efficient removal of damaged, stripped, or broken screws, studs, and bolts. Crafted from high-hardness manganese steel, these extractors provide a reliable solution for various repair tasks in automotive, plumbing, and general household applications. This manual provides instructions for safe and effective use of the screw extractor set.

2. SAFETY INFORMATION

Always follow these safety guidelines to prevent injury and damage to the tools or workpiece:

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Use Correct Size:** Select the appropriate extractor size for the fastener to avoid damaging the extractor or the workpiece.
- **Stable Workpiece:** Ensure the workpiece is securely clamped or stabilized before attempting to remove a fastener.
- **Steady Pressure:** Apply steady, even pressure when turning the extractor. Avoid excessive force, which can cause the extractor to break.
- **Keep Clear:** Keep hands and other body parts clear of the working area.
- **Storage:** Store tools in a dry, safe place, out of reach of children.

3. PRODUCT COMPONENTS

The DEWIN 5-Piece Screw Extractor Set includes five extractors of varying sizes, designed to handle a wide range of damaged fasteners. Each extractor is marked with a number (No. 1 to No. 5) for easy identification.

- No. 1 Extractor: For smaller fasteners (e.g., M4 / 3/16")
- No. 2 Extractor: For medium-small fasteners (e.g., M6 / 7/32")
- No. 3 Extractor: For medium fasteners (e.g., M8 / 1/4")
- No. 4 Extractor: For medium-large fasteners (e.g., M10-M12 / 5/16"-3/8")
- No. 5 Extractor: For larger fasteners (e.g., M14-M18 / 1/2"-5/8")



Image: The five screw extractors, showing their relative sizes and numbering. The image also indicates approximate sizes for each extractor: #1-1/8", #2-3/16", #3-15/64", #4-5/16", #5-3/8".



Image: An angled view of the five DEWIN screw extractors, numbered 1 through 5, laid out on a white background.

4. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.54 x 0.79 x 0.79 inches (overall package)
Item Weight	4.2 ounces
Material	High-hardness Manganese Steel (Carbon Steel)
Extractor Sizes	Metric M4-M18 or Imperial 3/16" to 5/8"
Model Number	DEWINkosep47ha6

5. SETUP

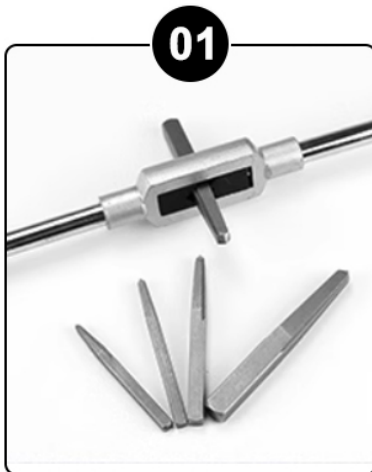
No complex setup is required for this tool set. Before use, ensure you have a suitable tap wrench or adjustable wrench to grip the square end of the extractor. Identify the damaged fastener and select the appropriate extractor size. The extractor should be slightly smaller than the inner diameter of the damaged fastener's head or the pilot hole you intend to drill.

6. OPERATING INSTRUCTIONS

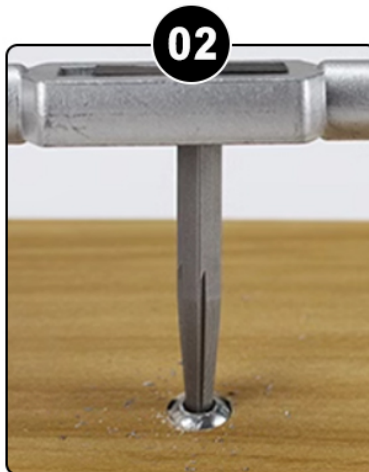
Follow these steps to effectively remove a broken or stripped screw, stud, or bolt:

- Step 1: Select the Correct Extractor.** Choose an extractor that is slightly smaller than the diameter of the damaged fastener. If the fastener is broken flush with the surface, you may need to drill a pilot hole into its center. Ensure the pilot hole is straight and deep enough for the extractor to get a firm grip.
- Step 2: Insert the Extractor.** Firmly insert the pointed, tapered end of the selected extractor into the damaged screw or the pre-drilled pilot hole. The square end of the extractor should be accessible for your wrench.
- Step 3: Turn Counter-Clockwise.** Attach a tap wrench or adjustable wrench to the square end of the extractor. Apply steady, downward pressure while slowly turning the extractor counter-clockwise. The extractor's tapered, reverse-threaded design will bite into the damaged fastener, allowing you to unscrew and remove it.

It only takes three steps to remove the broken wire



Select the corresponding extractor according to the screw model



Insert the extractor into the screw slot and unscrew it counterclockwise



Easily remove broken screws

Image: A visual guide demonstrating the three steps for removing a broken screw: 1) Select the corresponding extractor, 2) Insert the extractor into the screw slot and unscrew it counterclockwise, 3) Easily remove the broken screw.



The extractor can easily remove damaged screws, studs and bolts

Image: A close-up of a person's gloved hands using a DEWIN screw extractor with a wrench to remove a damaged bolt from a mechanical assembly, with the set of extractors visible in the foreground.

7. MAINTENANCE

Proper maintenance ensures the longevity and effectiveness of your screw extractor set:

- **Clean After Use:** Wipe down each extractor with a clean cloth after every use to remove any debris or residue.
- **Lubrication:** Apply a light coat of oil to the extractors periodically to prevent rust, especially if storing them for extended periods.
- **Inspect for Wear:** Regularly inspect the tips and edges of the extractors for signs of wear or damage. A worn extractor may not grip effectively.
- **Proper Storage:** Store the extractors in their original packaging or a dedicated tool organizer to protect them from damage and corrosion.

8. TROUBLESHOOTING

If you encounter difficulties while using the screw extractor set, consider the following:

- **Extractor Slips:** This usually indicates that the extractor is too small for the pilot hole or the fastener, or not enough downward pressure is being applied. Try a larger extractor, ensure the pilot hole is correctly

sized, or apply more firm, steady pressure.

- **Extractor Breaks:** Excessive force or an improperly sized pilot hole can cause the extractor to break. If an extractor breaks, it may be difficult to remove the broken piece. Consider drilling a new pilot hole next to the broken piece or seeking professional assistance.
- **Fastener Will Not Turn:** The fastener may be seized due to rust or thread locker. Apply penetrating oil and allow it to soak for some time before attempting removal again. Heat can also be used carefully on metal parts to loosen seized threads.

9. WARRANTY AND SUPPORT

For product support, warranty information, or any questions regarding your DEWIN 5-Piece Screw Extractor Set, please contact DEWIN customer service through the retailer where the product was purchased or refer to the official DEWIN website for contact details.