

[Manuals.plus](#) /

› [CLAS Equipements](#) /

› CLAS OM5412BL Knife and Claw Puller Set Instruction Manual

CLAS Equipements OM5412BL

CLAS OM5412BL Knife and Claw Puller Set Instruction Manual

1. INTRODUCTION

Thank you for choosing the CLAS OM5412BL Knife and Claw Puller Set. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool set. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW AND COMPONENTS

The CLAS OM5412BL set is designed for various technical applications, particularly for removing components such as bearings, gears, and pulleys. It is suitable for vehicle types VL and VUL.



An overhead view of the CLAS OM5412BL Knife and Claw Puller Set, neatly organized within its black plastic carrying case. The case is open, displaying the various components including the main puller screw, multiple extension arms, two different sized cutting knives, two claw attachments, and the central holder.

Set Components:

- 1 x Mini Cutting Knife (13 mm max. 63 mm)
- 1 x Mini Cutting Knife (5 mm max. 65 mm)
- 2 x Arms for Knives (Length: 60 mm)

- 2 x Arms for Knives (Length: 80 mm)
- 2 x Arms for Knives (Length: 104 mm)
- 2 x Arms for Knives (Length: 128 mm)
- 2 x Claws (110 mm)
- 1 x Holder for Arms / Claws (Width: 45 - 150 mm)
- 1 x Pull Screw (Length: 170 mm, Drive: 17 mm)

3. SAFETY INFORMATION

Always prioritize safety when using hand tools. Failure to follow safety guidelines can result in injury or damage to the tool or workpiece.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and sturdy footwear.
- **Inspect tools before use:** Ensure all components are in good condition, free from cracks, bends, or excessive wear. Do not use damaged tools.
- **Use the correct tool for the job:** Ensure the puller components are appropriately sized for the workpiece.
- **Secure the workpiece:** Ensure the item being worked on is stable and cannot move unexpectedly.
- **Apply force gradually and evenly:** Avoid sudden impacts or excessive force, which can cause components to slip or break.
- **Keep children and bystanders away:** Maintain a safe working distance from others.
- **Store tools safely:** After use, clean and store the tools in their designated case to prevent damage and loss.

4. SETUP

Proper setup is crucial for effective and safe operation.

1. **Identify the component to be removed:** Assess its size, location, and the type of connection (e.g., press-fit, keyed).
2. **Select appropriate knives or claws:** Choose the cutting knives or claws that best fit the component's geometry and provide secure engagement.
3. **Choose suitable arms:** Select the arm lengths (60mm, 80mm, 104mm, 128mm) that provide adequate reach and clearance for the application.
4. **Assemble the holder:** Attach the selected arms or claws to the central holder, ensuring they are securely fastened. Adjust the holder's width (45-150 mm) to match the workpiece.
5. **Integrate the pull screw:** Insert the 170mm pull screw into the assembled holder.
6. **Position the puller:** Carefully position the assembled puller onto the workpiece, ensuring the knives or claws are firmly seated and evenly distributed around the component.

5. OPERATING INSTRUCTIONS

Once the puller is correctly assembled and positioned, proceed with the removal process.

1. **Engage the puller:** Ensure the knives or claws are securely gripping the component to be removed.
2. **Apply tension:** Using a 17mm wrench or socket, slowly and steadily turn the pull screw clockwise. This will apply pressure, gradually pulling the component off its shaft or housing.
3. **Monitor progress:** Observe the component as tension is applied. If it resists, do not force it. Re-evaluate the setup, ensure proper alignment, and check for any obstructions.
4. **Even removal:** For components that require even removal, ensure the puller is centered and applying balanced force.
5. **Complete removal:** Continue turning the pull screw until the component is fully dislodged.

6. **Release tension:** Once the component is removed, carefully loosen the pull screw counter-clockwise and disassemble the puller.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your tool set.

- **Cleaning:** After each use, wipe down all components with a clean cloth to remove dirt, grease, and debris. For stubborn grime, use a mild degreaser.
- **Lubrication:** Periodically apply a light coat of machine oil to the threads of the pull screw and other moving parts to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect all components for signs of wear, damage, or deformation. Pay close attention to the tips of the knives and claws, and the threads of the pull screw.
- **Storage:** Store the tool set in its original carrying case in a dry, clean environment to protect it from moisture and physical damage.

7. TROUBLESHOOTING

If you encounter issues during operation, consider the following common troubleshooting steps:

- **Component not moving:**
 - Ensure the puller is correctly aligned and securely gripping the component.
 - Check for any retaining clips, bolts, or other fasteners that may still be in place.
 - Apply penetrating oil to the component's shaft and allow it to soak.
 - Ensure sufficient force is being applied without exceeding the tool's capacity.
- **Tool slipping:**
 - Verify that the knives or claws are fully engaged and not worn.
 - Clean any grease or oil from the gripping surfaces of the component and the tool.
 - Ensure the holder's width is correctly adjusted for a snug fit.
- **Difficulty turning pull screw:**
 - Lubricate the pull screw threads.
 - Check for cross-threading or damage to the screw or nut.
 - Ensure the component is not binding due to misalignment.

8. SPECIFICATIONS

Attribute	Detail
Manufacturer	CLAS Equipements
Model Number	OM5412BL
Product Dimensions	27 x 7 x 34 cm
Item Weight	5.25 kg
Number of Items in Package	1

Batteries Required	No
Vehicle Type Compatibility	VL, VUL

9. WARRANTY AND SUPPORT

This CLAS OM5412BL Knife and Claw Puller Set comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. For technical solutions, warranty claims, or any product-related inquiries, please contact CLAS Equipements customer support through their official channels.

Please retain your proof of purchase for warranty validation.

© 2023 CLAS Equipements. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question