

Ingco HBWS110808

Ingco Universal Wrench Set (9-22mm & 23-32mm) Instruction Manual

Model: HBWS110808 | Brand: Ingco

1. INTRODUCTION

Thank you for choosing the Ingco Universal Wrench Set. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new tool. Please read this manual thoroughly before using the product and retain it for future reference.

2. PRODUCT OVERVIEW

The Ingco Universal Wrench Set (Model HBWS110808) is an industrial-grade tool designed for versatility and efficiency. This set includes two wrenches: one covering a size range of 9-22mm and another for 23-32mm. Each wrench features chrome heads with precisely dimensioned openings on the inner part, engineered to provide significantly greater strength and minimize slippage during use. The handles are designed with a patented honeycomb grip pattern and integrated finger rests, ensuring superior torque application and reducing hand strain for comfortable operation. The curved head design allows the wrench to automatically adjust to the ideal size for convenient and quick application.



Image 1: The Ingco Universal Wrench Set, featuring two wrenches with black and yellow handles, designed for various bolt and nut sizes.

3. SETUP

The Ingco Universal Wrench Set requires minimal setup. Upon receiving the product, perform the following steps:

1. **Unpack:** Carefully remove the wrenches from their packaging.
2. **Inspect:** Examine both wrenches for any signs of damage or manufacturing defects. Ensure the gripping surfaces are clean and free from obstructions.
3. **Familiarize:** Identify the two wrenches and their respective size ranges (9-22mm and 23-32mm). Understand how the curved head mechanism operates for automatic adjustment.

4. OPERATING INSTRUCTIONS

Follow these instructions for safe and effective operation of your universal wrench set:

1. **Select the Correct Wrench:** Choose the appropriate wrench (9-22mm or 23-32mm) based on the size of the fastener you intend to work with.
2. **Position the Wrench:** Place the wrench head over the nut or bolt. The curved head design will automatically adjust to grip the fastener securely. Ensure the wrench jaws fully engage the fastener to

prevent slipping and damage.

- 3. Apply Force:** Apply steady and firm pressure to the handle in the desired direction (tightening or loosening). Always pull the wrench towards you rather than pushing, to maintain better control and reduce the risk of injury.
- 4. Avoid Over-tightening:** Do not over-tighten fasteners, as this can strip threads or damage the fastener and the wrench.
- 5. Safety First:** Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Ingco Universal Wrench Set:

- **Cleaning:** After each use, wipe the wrenches clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild detergent and water, then dry thoroughly to prevent rust.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the wrench head to ensure smooth adjustment and prevent corrosion.
- **Storage:** Store the wrenches in a dry, clean environment, away from excessive moisture and corrosive materials. A tool roll or toolbox is recommended to protect them from damage.
- **Inspection:** Regularly inspect the wrenches for any signs of wear, cracks, or damage to the jaws or handle. Do not use damaged tools; replace them if necessary.

6. TROUBLESHOOTING

If you encounter issues while using your Ingco Universal Wrench Set, consider the following:

- **Wrench Slipping:**
 - Ensure the wrench head is fully engaged with the fastener.
 - Verify you are using the correct size wrench for the fastener.
 - Clean any grease or oil from the fastener and wrench jaws to improve grip.
- **Difficulty Adjusting:**
 - Check for dirt or debris in the adjustment mechanism. Clean and lubricate if necessary.
 - Ensure no excessive force is applied to the wrench head while attempting to adjust.
- **Damaged Fastener:**
 - If a fastener is stripped or rounded, the wrench may not be able to grip it effectively. Consider using a different tool designed for damaged fasteners.

7. SPECIFICATIONS

Feature	Specification
Brand	Ingco
Model Number	HBWS110808
Type	Universal Wrench Set
Material	Stainless Steel

Feature	Specification
Color	Yellow/Black
Finish	Polished
Head Style	Fixed Square
Operation Mode	Mechanical
Non-Sparking	Yes
Number of Pieces	2
Small Wrench Range	9-22mm
Large Wrench Range	23-32mm
Item Weight	715 g
Product Dimensions	5 x 10 x 10 cm
Batteries Required	No
Batteries Included	No

8. SAFETY INFORMATION

Always adhere to basic safety precautions when using hand tools:

- Wear appropriate personal protective equipment, including safety glasses, to protect against flying debris.
- Ensure the workpiece is stable and secured before applying force with the wrench.
- Do not use wrenches that are damaged, worn, or have cracked handles.
- Never use a pipe or other extension on the wrench handle to increase leverage, as this can damage the tool or fastener and cause injury.
- Keep hands and fingers clear of moving parts and pinch points.
- Store tools safely out of reach of children.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or service, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.