

## Ingco AKISD1208

# INGCO 13-in-1 Ratchet Screwdriver Set AKISD1208 User Manual

Model: AKISD1208

## 1. INTRODUCTION

The INGCO 13-in-1 Ratchet Screwdriver Set AKISD1208 is a versatile hand tool designed for efficient fastening and unfastening of screws. Its integrated ratcheting mechanism allows for continuous rotation in one direction while moving freely in the opposite, enhancing speed and reducing wrist strain. The folding handle design provides flexibility for various working angles and access in confined spaces.



Image 1.1: INGCO Ratchet Screwdriver Set, illustrating its compact and extended configurations.

## 2. PRODUCT COMPONENTS

The INGCO 13-in-1 Ratchet Screwdriver Set AKISD1208 includes the following components:

- 1 x INGCO Style Ratchet Handle (with folding mechanism)
- 12 x 6.35\*25mm Screwdriver Bits, including:
  - Slotted (SL): SL4, SL5, SL6, SL7
  - Phillips (PH): PH0, PH1, PH2, PH3
  - Pozi (PZ): PZ0, PZ1, PZ2, PZ3
- 1 x Storage Case (integrated into the handle)



Image 2.1: Overview of the screwdriver and its compatible bit types.

### 3. SETUP

Before using the ratchet screwdriver, follow these steps to prepare the tool:

1. **Selecting a Bit:** Identify the appropriate screwdriver bit (Slotted, Phillips, or Pozi) that matches the head of the fastener you intend to work with.
2. **Inserting the Bit:** Open the bit storage compartment (typically located at the end of the handle). Select the desired bit and insert it firmly into the magnetic bit holder at the tip of the ratchet handle. Ensure the bit is fully seated.
3. **Adjusting Ratchet Direction:** Locate the directional switch on the ratchet handle.
  - Move the switch to the **left** for tightening screws (clockwise rotation).
  - Move the switch to the **right** for loosening screws (counter-clockwise rotation).
  - Set the switch to the **center** position to lock the shaft, allowing for non-ratcheting use or for applying maximum torque.

### 4. OPERATING INSTRUCTIONS

Follow these instructions for effective use of your INGCO Ratchet Screwdriver:

1. **Grip and Handle Adjustment:** Hold the handle firmly. The folding handle allows for two primary positions:
  - **Straight Position:** For maximum leverage and reach.
  - **Angled (90-degree) Position:** For increased torque and better access in tight or awkward spaces. To adjust, pivot the handle to the desired angle.



Image 4.1: Screwdriver in folded position for compact storage or angled use.



Image 4.2: Screwdriver in angled position for enhanced torque and access.

2. **Positioning:** Place the screwdriver bit onto the head of the screw, ensuring a secure and centered fit to prevent cam-out (slipping).
3. **Driving/Removing Screws:** With the ratchet direction set (as described in Section 3), apply steady downward pressure and rotate the handle. The ratcheting mechanism will engage, allowing you to turn the screw without repositioning your grip after each turn.
  - For **tightening**, turn the handle clockwise.
  - For **loosening**, turn the handle counter-clockwise.
4. **Applying Torque:** For very tight screws, ensure the handle is in the straight position for maximum leverage, or use the locked (center) ratchet setting to apply continuous force.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your tool:

- **Cleaning:** After each use, wipe the screwdriver handle and bits with a clean, dry cloth to remove any dirt, grease, or debris. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the screwdriver handle and all bits securely in the integrated storage case. Keep the tool in a dry environment to prevent rust and corrosion, and to ensure all components are kept together.
- **Inspection:** Periodically inspect the screwdriver bits for signs of wear, damage, or deformation. Worn bits can damage screw heads. Replace any damaged bits promptly. Check the ratchet mechanism for smooth operation.

## 6. TROUBLESHOOTING

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If you encounter issues while using your ratchet screwdriver, consider the following:

- **Bit Slipping from Screw Head:**
  - Ensure you are using the correct bit type and size for the screw.
  - Verify the bit is fully inserted into the magnetic holder.
  - Apply firm, consistent downward pressure while turning.
  - Inspect the bit for wear; a worn bit may not grip effectively.
- **Ratchet Mechanism Not Engaging:**
  - Check the directional switch. Ensure it is set to either the tightening (left) or loosening (right) position, not the locked (center) position.
  - Clean any debris that might be obstructing the mechanism.
- **Difficulty Turning Screws:**
  - Ensure the bit is not worn or damaged.
  - Apply adequate pressure and leverage. Consider using the handle in its straight position for maximum torque.

- For extremely tight screws, pre-treatment with a penetrating oil may be necessary.

## 7. SPECIFICATIONS

Technical details for the INGCO 13-in-1 Ratchet Screwdriver Set AKISD1208:

Feature	Detail
Model	AKISD1208
Handle Type	Ratchet, Folding
Number of Bits	12
Bit Sizes Included	SL4, SL5, SL6, SL7, PH0, PH1, PH2, PH3, PZ0, PZ1, PZ2, PZ3
Bit Material	CR-V (Chromium-vanadium steel)
Product Dimensions (L x W x H)	10 x 6 x 1 cm
Item Weight	200 g
Included Components	1 Ratchet Handle, 12 Screwdriver Bits, 1 Storage Case
Manufacturer	INGCO
Country of Origin	India

## Parameter Information

1 Pcs INGCO Style ratchet handle

Folding handle

high quality ratchet

12 Pcs 6.35\*25mm screwdriver bits

SL4,SL5,SL6,SL7

PH0, PH1,PH2,PH3

PZ0,PZ1,PZ2,PZ3

Material: CR-V

Packed by display color box



Image 7.1: Detailed parameter information for the screwdriver set.

## 8. WARRANTY AND SUPPORT

For specific warranty information, terms, and conditions related to your INGCO 13-in-1 Ratchet Screwdriver Set AKISD1208, please refer to the product packaging or any documentation included with your purchase. For technical support, service inquiries, or to report any issues, please contact INGCO customer service directly through their official website or the contact information provided on the product packaging. Retain your purchase receipt as proof of purchase for any warranty claims.