SK SK 25-Piece Ratcheting Wrench Set (SAE & Metric)

SK 25-Piece Ratcheting Wrench Set Instruction Manual

Models: SAE 1/4"-1", Metric 8-19mm

1. Product Overview

The SK 25-Piece Ratcheting Wrench Set provides a comprehensive collection of both SAE and Metric combination wrenches, designed for various fastening applications. Each wrench features a 72-tooth ratcheting box end and an open end, constructed from durable Chrome Vanadium Steel with a polished chrome finish for corrosion resistance.



Image 1.1: The SK 25-Piece Ratcheting Wrench Set, including both SAE and Metric sizes, presented in their respective organizer racks.

Key Features:

- **Material:** Drop forged Chrome Vanadium Steel for strength and durability.
- **Finish:** Polished chrome for corrosion resistance and easy cleaning.
- **Ratcheting Mechanism:** 72-tooth gear requiring only a 5-degree working swing arc.
- **Box End:** 12-point full-drive design for improved grip and torque, reducing fastener rounding.
- **Open End:** Chamfered design for easier bolt insertion.
- **Off-Corner Loading:** Drives the side of the fastener, not the corner, to prevent rounding.
- **Identification:** Clear size markings on each wrench.
- **Storage:** Includes marked organizer racks for safe storage and easy access.

2. Setup and Organization

Upon receiving your SK Ratcheting Wrench Set, inspect all components for any signs of damage. The wrenches are provided in two marked organizer racks for convenient storage and identification.

Unpacking and Initial Setup:

1. Carefully remove the wrench sets from their packaging.
2. The wrenches are secured in their respective organizer racks. Some racks may have safety locks or ties that need to be cut or removed before use.
3. Familiarize yourself with the layout of the wrenches in the racks. Each slot is clearly marked with the corresponding wrench size for quick identification.
4. The organizer racks are designed for vertical insertion and tilt locking, providing soft rubber grip protection for fixed wrenches.



Image 2.1: Detail of the wrench organizer rack, showing clear size specifications and the vertical insertion mechanism.



Image 2.2: Example of organized storage, demonstrating how the racks can be used on a pegboard or within a tool drawer.

3. Operating Instructions

The SK Ratcheting Wrench Set is designed for efficient and secure fastening. Understanding the features of both the open end and the ratcheting box end will optimize your work.

Using the Open End:

1. Select the correct size wrench for your fastener.
2. Position the open end over the fastener. The chamfered design facilitates easier insertion.
3. Apply steady pressure to turn the fastener. Ensure the wrench is fully seated to prevent slipping.



Image 3.1: A close-up view illustrating the design of both the open end and the ratcheting box end of an SK wrench.

Using the Ratcheting Box End:

1. Select the correct size wrench.
2. Place the 12-point ratcheting box end over the fastener. The 12-point design provides a firm grip.
3. Engage the ratcheting mechanism by turning the wrench. The 72-tooth gear allows for a small 5-degree swing arc, ideal for tight spaces.

4. To reverse the ratcheting direction, simply flip the wrench over.
5. The off-corner loading design ensures that force is applied to the sides of the fastener, minimizing the risk of rounding, especially on rusted or damaged fasteners.



Image 3.2: Visual representation of the 5-degree swing arc and the 12-point, 72-tooth ratcheting mechanism for efficient operation in confined areas.



Image 3.3: An SK wrench in practical application, demonstrating its use on an engine component.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your SK Ratcheting Wrench Set.

Cleaning:

- After each use, wipe down the wrenches with a clean cloth to remove dirt, grease, and debris.
- For stubborn grime, use a mild degreaser or solvent specifically designed for metal tools.
- The polished chrome finish allows for easy wiping and helps prevent rust.
- Ensure wrenches are completely dry before storing to prevent corrosion.

Storage:

- Always store the wrenches in their provided organizer racks. This protects them from damage and keeps them organized.

- Store the set in a dry environment to prevent moisture-related corrosion.
- Avoid storing wrenches in direct contact with corrosive chemicals.

5. Troubleshooting

This section addresses common issues you might encounter with your ratcheting wrench set.

Wrench Slipping on Fastener:

- **Issue:** The wrench slips or rounds the fastener.
- **Solution:** Ensure you are using the correct size wrench for the fastener. The wrench should fit snugly. For the box end, ensure it is fully seated. The off-corner loading design helps prevent rounding, but extreme force on an improperly sized or severely corroded fastener can still cause issues.

Ratcheting Mechanism Not Engaging or Reversing:

- **Issue:** The ratcheting action is inconsistent or does not reverse when the wrench is flipped.
- **Solution:** The 72-tooth mechanism is designed for durability. If it becomes stiff or fails to engage, it may be due to accumulated dirt or debris. Clean the ratcheting head thoroughly with a suitable solvent and apply a small amount of light machine oil if necessary. If the issue persists, contact customer support.

Difficulty Removing Wrenches from Organizer:

- **Issue:** Wrenches are difficult to remove or insert into the organizer rack.
- **Solution:** The racks are designed for a secure fit. Ensure you are inserting or removing the wrenches vertically with a slight tilt as intended by the tilt-locking mechanism. Avoid forcing them at an angle.

6. Specifications

Detailed specifications for the SK 25-Piece Ratcheting Wrench Set.

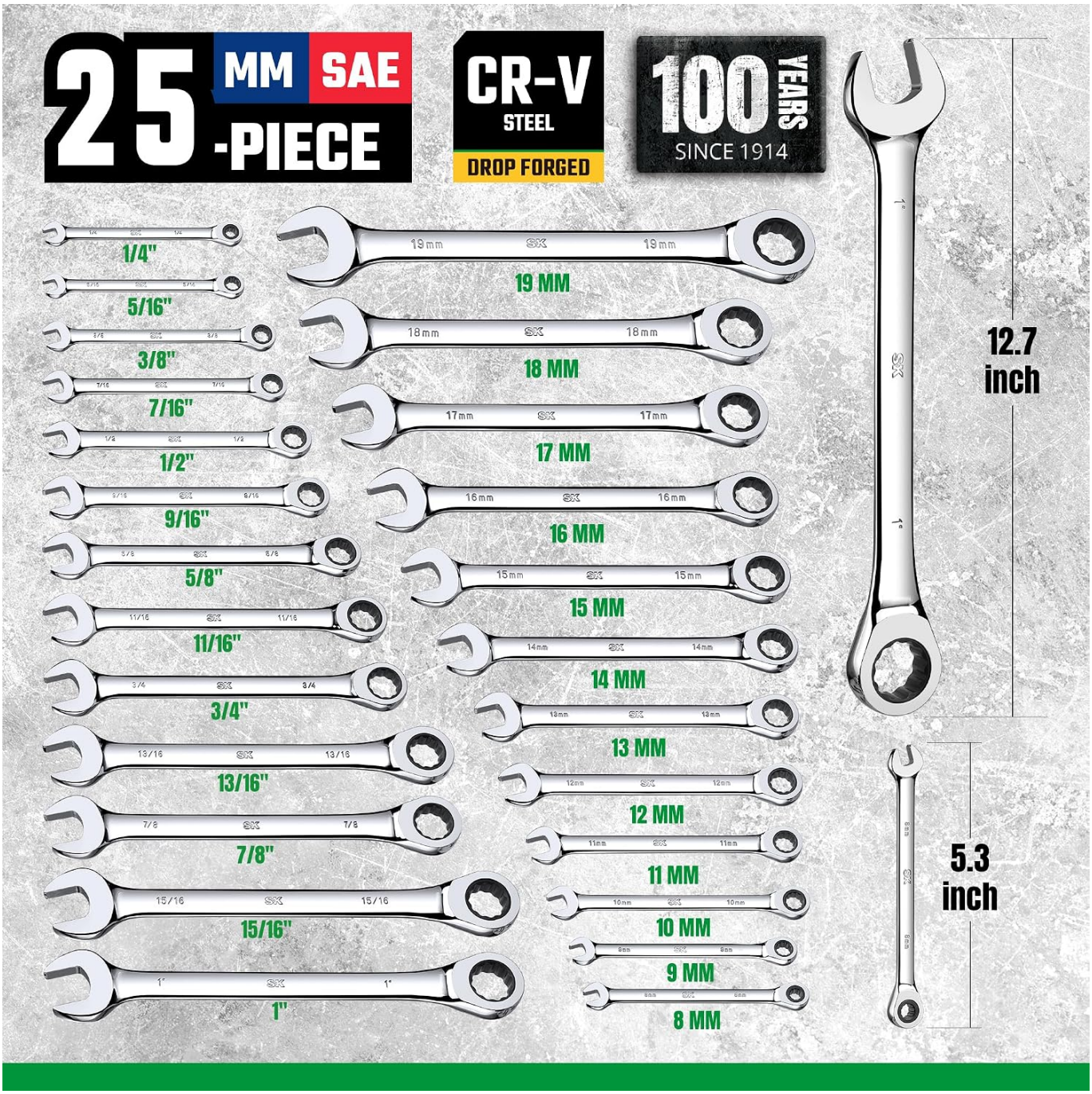


Image 6.1: A visual representation of all 25 wrenches included in the set, detailing both SAE and Metric sizes.

Attribute	Detail
Brand	SK
Model	25-Piece Ratcheting Wrench Set (SAE & Metric)
Material	Chrome Vanadium Steel
Finish Type	Polished Chrome
Head Style	Ratcheting Combination
SAE Sizes Included	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
Metric Sizes Included	8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
Ratcheting Teeth	72-Tooth

Attribute	Detail
Swing Arc	5-Degree
Box End Type	12-Point Full-Drive
Item Weight	11.6 pounds
Package Dimensions	14.84 x 10.59 x 5 inches
UPC	025141118490

7. Warranty and Support

SK Tools are manufactured to high standards and are designed for long-lasting performance.

Warranty Information:

SK Tools typically come with a limited lifetime warranty against defects in material and workmanship. For specific warranty details and claims, please refer to the official SK Tools website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Customer Support:

For any questions, technical assistance, or warranty inquiries, please visit the official SK Tools store or contact their customer support team.

- **SK Tools Store:** Visit the SK Store on Amazon

Ask a question about this manual

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Example: How do I reset this device or fix this error?

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