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SK 0025141110463

SK 1/2" Drive Socket Set Instruction Manual

Model: 0025141110463

1. Introduction

This manual provides essential information for the proper use, maintenance, and care of your SK 1/2" Drive Socket Set. Please read these instructions thoroughly before using the tools to ensure safe and effective operation and to maximize the lifespan of your set.

2. Product Overview

The SK 1/2" Drive Socket Set is a comprehensive 52-piece collection designed for a wide range of fastening tasks. It includes both SAE and Metric sockets, a high-performance ratchet, and essential accessories, all organized in a durable EVA foam tray.



Figure 2.1: Complete SK 1/2" Drive Socket Set in its EVA foam organizer.

Key Components:

- **1/2" Drive 160-Position Ratchet:** Features a 2.25-degree swing arc for tight spaces and a thumbwheel design for quick tightening/loosening.
- **SAE & Metric Sockets:** Includes 15 metric shallow sockets (10-24mm), 10 metric deep sockets (10-19mm), 13 SAE shallow sockets (3/8-1-1/8 inch), and 10 SAE deep sockets (3/8-15/16 inch).
- **Extension Bars:** Two extension bars (3" and 5") for extended reach.
- **Universal Joint:** Provides flexibility for angled access to fasteners.
- **EVA Foam Tool Organizer:** Keeps all tools securely organized and easily identifiable with high-visibility size markings.

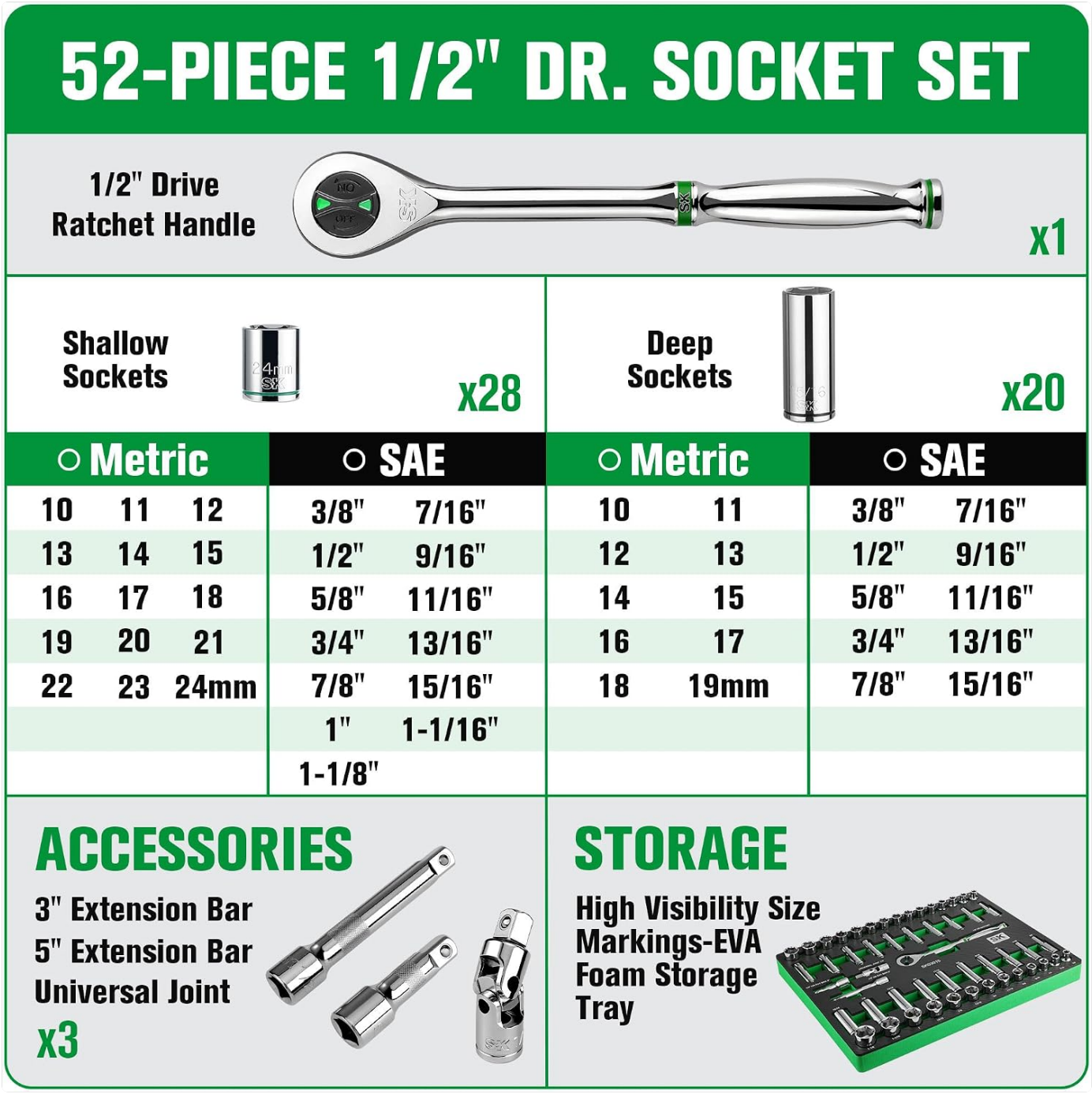


Figure 2.2: Detailed breakdown of the 52-piece socket set components.

Material and Finish:

All components are constructed from heat-treated Chrome Vanadium Steel, ensuring durability and high torque strength. The SuperKrome Plating provides a high-polish, jewelry-like finish for long life and maximum corrosion resistance.



Figure 2.3: Illustration of the SuperKrome finish and triple layer plating on a socket.

3. Setup

Your SK 1/2" Drive Socket Set comes pre-organized in a custom-fit EVA foam storage tray. No assembly is required for the tools themselves. Upon receiving your set, ensure all 52 pieces are present and correctly seated in their designated slots within the foam tray.

Organizing the Tray:

The EVA foam tray is designed for optimal organization and accessibility. Each socket and accessory has a specific cutout, often with size markings for quick identification. Metric sockets are typically distinguished by a green band for easy differentiation from SAE sizes.



Figure 3.1: The EVA foam organizer fits neatly into standard tool drawers, providing excellent protection and organization.

The lid of the case is spring-loaded and can be easily removed if you prefer to store the foam tray directly in a tool chest drawer or on a workbench for quick access.

4. Operating Instructions

Using the 1/2" Drive Ratchet:

1. **Direction Control:** The ratchet features a thumbwheel switch on its head to easily change the direction of rotation (clockwise for tightening, counter-clockwise for loosening). Simply flip the switch to the desired position.
2. **Socket Attachment:** To attach a socket, align the square drive of the socket with the square drive on the ratchet head. Press the push-button on the ratchet head and firmly push the socket onto the drive until it clicks into place. Release the button to secure the socket.
3. **Socket Removal:** To remove a socket, press the push-button on the ratchet head and pull the socket off.



Figure 4.1: The ratchet's direction switch allows for easy changes between tightening and loosening.



Figure 4.2: The 160-position ratchet provides a fine 2.25-degree arc swing, ideal for working in confined areas.

Using Extension Bars and Universal Joint:

For fasteners in hard-to-reach areas or at awkward angles, utilize the included extension bars and universal joint.

- **Extension Bars:** Attach an extension bar between the ratchet and the socket to increase reach. The set includes 3" and 5" extension bars.
- **Universal Joint:** Connect the universal joint between the extension bar (or ratchet directly) and the socket. This allows the socket to pivot, providing access to fasteners that are not directly in line with the drive tool.



Figure 4.3: Extension bars and universal joint provide versatility for various applications.

Product Video:

Video 4.1: This video demonstrates the SK Socket Set with 160-P Ratchet in action, highlighting its ease of use and functionality.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your SK tools. The SuperKrome finish is designed for durability and corrosion resistance, but regular care is still recommended.

Cleaning:

- After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture.
- For stubborn grime, use a mild degreaser or cleaning solution. Avoid abrasive cleaners that could damage the finish.

- Ensure tools are completely dry before storing to prevent rust.

Storage:

Always store your socket set in its original EVA foam organizer. This tray provides a custom fit for each tool, preventing them from shifting, scratching, or getting lost. The high-visibility size markings on the tray aid in quick selection and proper return of tools.



Figure 5.1: The high-quality EVA foam organizer ensures tools are protected and easily accessible.

6. Troubleshooting

While SK tools are built for durability, occasional issues may arise. Here are some common concerns and general advice:

- **Socket Not Fitting:** Ensure you are using the correct size and type (SAE or Metric) of socket for the fastener. Verify the fastener head is not stripped or damaged.
- **Ratchet Slipping:** If the ratchet mechanism slips, it may indicate wear or internal damage. Discontinue use and contact customer support for assistance. Do not attempt to force a slipping ratchet.
- **Corrosion/Rust:** Although SuperKrome finish is corrosion-resistant, prolonged exposure to moisture or harsh chemicals can cause issues. Refer to the cleaning instructions in Section 5. If rust appears, clean immediately with a rust remover and apply a protective oil.
- **Damaged Tools:** Do not use damaged or worn tools. Using compromised tools can lead to injury or further damage to fasteners. Replace any tools that show signs of significant wear, cracks, or deformation.

7. Specifications

Feature	Detail
Brand	SK
Model Number	0025141110463

Feature	Detail
Drive System	1/2 inch Ratchet
Number of Pieces	52
Material	Chrome Vanadium Steel
Finish Type	SuperKrome Polished
Ratchet Arc Swing	2.25 degrees (160 positions)
Item Weight	16.46 pounds
Product Dimensions	22.64 x 16.22 x 3.35 inches
Country of Origin	China
UPC	025141110463

8. Warranty and Support

Warranty Information:

For detailed warranty information regarding your SK 1/2" Drive Socket Set, please refer to the warranty card included with your product packaging or visit the official SK Tools website. Warranty terms and conditions may vary.

Customer Support:

If you encounter any issues with your product, require technical assistance, or have questions not covered in this manual, please contact SK Tools customer support. Contact information can typically be found on the product packaging or the official SK Tools website.
For additional resources and product information, you may visit theSK Store on Amazon.

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