

SK 91848

SK Tools USA 91848 1/4" Drive 48-Piece SuperKrome Socket Set Instruction Manual

1. PRODUCT OVERVIEW

This manual provides instructions for the SK Tools USA 91848 1/4" Drive, 48-Piece, 6 Point, Standard & Deep, SAE & Metric, SuperKrome Socket Set. This set is designed for professional and DIY applications, offering a comprehensive range of sockets and accessories for various fastening tasks. The tools feature a high-polish SuperKrome finish for durability and corrosion resistance, along with the SureGrip hex design to prevent fastener rounding.



Image 1.1: The SK Tools USA 91848 48-Piece Socket Set, including various standard and deep sockets, a ratchet, extensions, and adapters, all contained within a durable green storage case.

2. SET COMPONENTS

The SK Tools USA 91848 48-Piece Socket Set includes the following items:

- **1/4" Drive Pro Ratchet:** For efficient fastening and loosening.
- **Extensions:** 2-inch and 6-inch extensions for reaching recessed fasteners.
- **Universal Joint:** For angled access to fasteners.
- **Adapters:** 1/4" Female to 3/8" Male and 3/8" Female to 1/4" Male for versatility with different drive sizes.
- **Standard SAE Sockets (6 Point):** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".
- **Deep SAE Sockets (6 Point):** 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".
- **Standard Metric Sockets (6 Point):** 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm.
- **Deep Metric Sockets (6 Point):** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm.
- **Storage Case:** A durable case for organizing and protecting the set.

3. KEY FEATURES

- **SuperKrome Finish:** The high-polish SuperKrome finish provides enhanced protection against harsh working environments, ensuring long life and maximum corrosion resistance for the tools.
- **SureGrip Hex Design:** This design drives the side of the fastener, not the corner. This minimizes the risk of rounding rusted or damaged fasteners, a common issue with traditional hex tools.
- **Comprehensive Range:** Includes both SAE and Metric sizes in standard and deep configurations, covering a wide array of applications.
- **Made in USA:** This product is proudly manufactured in the USA, reflecting a commitment to quality and craftsmanship.

4. SETUP AND PREPARATION

1. **Unpacking:** Carefully remove all components from the packaging and the storage case. Inspect each tool for any signs of damage that may have occurred during shipping.
2. **Familiarization:** Identify each component of the set. Note the different sizes of SAE and Metric sockets, as well as the various accessories like the ratchet, extensions, and adapters.
3. **Safety Check:** Before use, ensure all tools are clean and free from debris or lubricants that could affect grip. Always wear appropriate personal protective equipment (PPE), such as safety glasses, when working with hand tools.

5. OPERATING INSTRUCTIONS

1. **Selecting the Correct Socket:** Choose the socket that precisely fits the fastener head. Using an incorrect size can damage both the fastener and the socket. For SAE fasteners, use SAE sockets; for Metric fasteners, use Metric sockets.
2. **Attaching to Ratchet:** Press the socket firmly onto the square drive of the ratchet until it clicks into place. Ensure it is securely seated.
3. **Using Extensions and Universal Joint:** For fasteners in hard-to-reach areas, attach an extension between the ratchet and the socket. For angled access, use the universal joint. Ensure all connections are secure.
4. **Applying Torque:** Position the socket squarely on the fastener. Turn the ratchet handle in the desired direction (clockwise for tightening, counter-clockwise for loosening). Apply steady, even pressure. Avoid sudden jerking motions.
5. **Using Adapters:** If a different drive size is required for a specific task, use the appropriate adapter to connect the ratchet to the desired socket or accessory.
6. **Removing Sockets:** To remove a socket from the ratchet or extension, press the quick-release button (if present on the ratchet) or pull the socket firmly off the drive.

Important Safety Note: Do not use impact tools with these sockets unless specifically rated for impact use. Over-torquing or improper use can lead to tool failure and injury.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down all tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the ratchet mechanism to ensure smooth operation and prevent corrosion.
- **Storage:** Always store the socket set in its original storage case in a dry environment. This protects the tools

from rust, damage, and keeps them organized.

- **Inspection:** Regularly inspect sockets and accessories for wear, cracks, or damage. Discontinue use of any damaged tool immediately and replace it.

7. TROUBLESHOOTING

- **Socket Slipping on Fastener:** Ensure the correct size socket is being used. If the socket still slips, the fastener may be stripped or rounded. Consider using a specialized fastener extractor.
- **Ratchet Not Engaging:** Check the direction switch on the ratchet head. Ensure it is fully engaged in either the tightening or loosening position. If the mechanism feels stiff, apply a small amount of lubricant.
- **Difficulty Removing Socket from Ratchet:** Ensure the quick-release button (if applicable) is fully depressed. If not, check for debris in the mechanism.
- **Rust or Corrosion:** If tools show signs of rust despite the SuperKrome finish, it indicates prolonged exposure to moisture or harsh chemicals. Clean immediately and apply a rust preventative. Ensure proper storage conditions.

8. SPECIFICATIONS

| Attribute | Detail |
|--------------------|-----------------------|
| Brand | SK |
| Model Number | 91848 |
| Drive Size | 1/4 inch |
| Number of Pieces | 48 |
| Point Type | 6 Point |
| Measurement System | SAE & Metric |
| Material | Alloy Steel |
| Finish Type | Polished SuperKrome |
| Item Weight | 4.15 pounds |
| Product Dimensions | 13.5 x 9.5 x 2 inches |
| Head Style | Hex |

9. WARRANTY AND SUPPORT

This SK Tools product is covered by a Manufacturer Warranty. For specific details regarding warranty coverage, claims, or technical support, please refer to the official SK Tools website or contact their customer service directly.

Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit the [SK Store on Amazon](#) or the official SK Tools website.



