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KLEIN TOOLS 65430LP

Klein Tools KNECT 65430LP 9-in-1 Low-Profile Ratcheting Socket Wrench Set

User Manual

Introduction

Thank you for choosing the Klein Tools KNECT 65430LP 9-in-1 Low-Profile Ratcheting Socket Wrench Set. This manual provides essential information for the safe and effective use, maintenance, and care of your new tool set. Please read these instructions carefully before operation and retain them for future reference.

What's Included

Your Klein Tools KNECT 65430LP set includes the following components:

- KNECT Flex Head Pass-Through Ratchet
- Eight (8) SAE Low-Profile Impact-Rated Pass-Through Sockets: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
- MODbox Compatible Storage Case



Image: The complete Klein Tools KNECT 9-in-1 Low-Profile Ratcheting Socket Wrench Set, showing the flex head ratchet and eight SAE sockets in their storage case.

Key Features

- **Flex Head Pass-Through Ratchet:** The ratchet head can lock into 11 different positions, allowing for angled access to fasteners. Its pass-through design enables it to drive hex nuts on extended threaded rods.

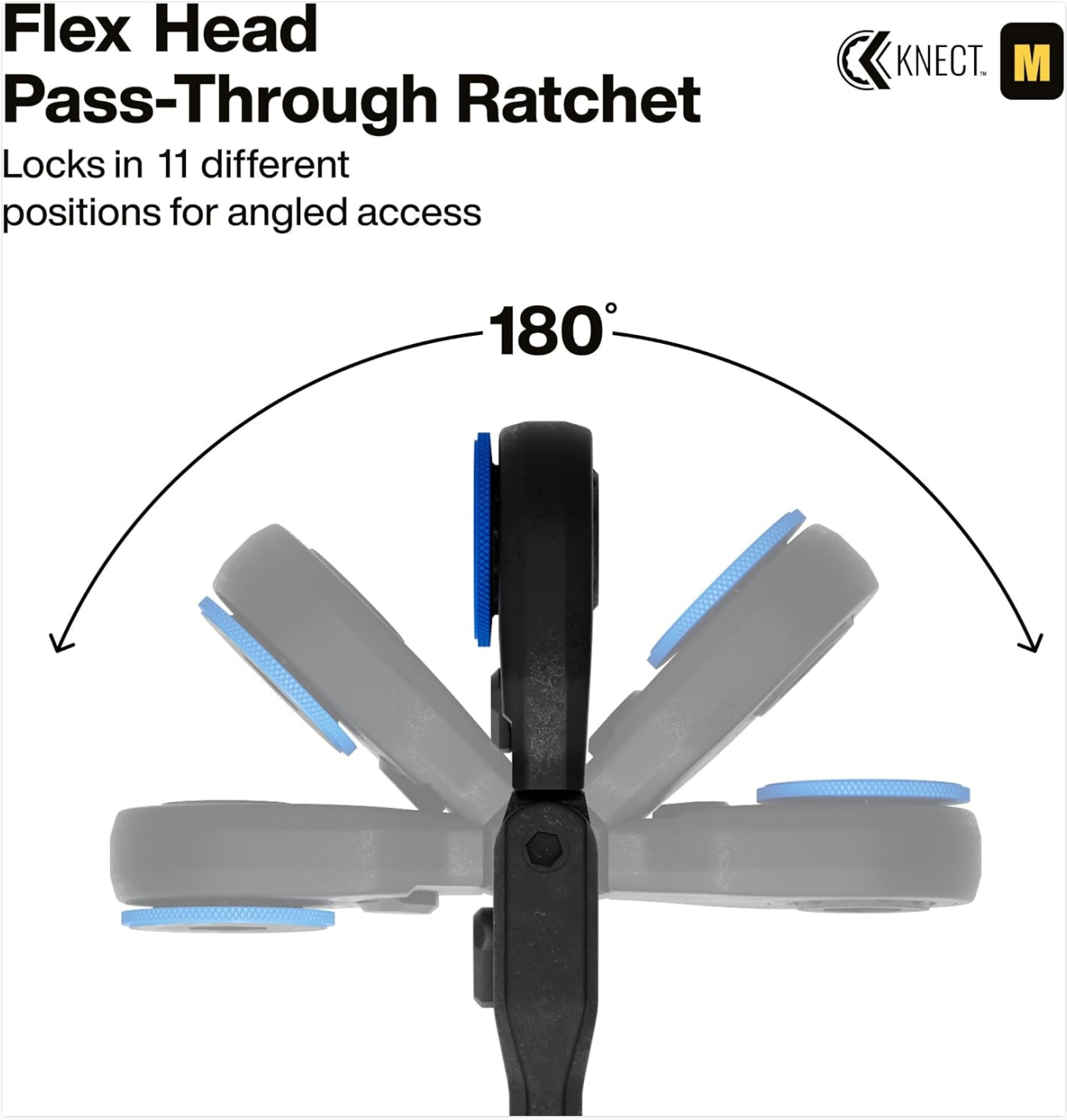


Image: The flex head ratchet demonstrating its 180-degree range of motion and multiple locking positions.

- **Low-Profile Design:** Sockets feature a reduced height profile for improved access to fasteners in confined or tight spaces. The ratchet itself has a contoured handle for a comfortable and secure grip.



Image: A detailed view of the ratchet highlighting its low-profile design and ergonomic contoured handle.

- **Impact-Rated Sockets:** Constructed from cold-forged steel, these sockets are engineered for durability and performance in high-torque applications, including use with impact drivers.



Image: A 9/16 inch socket attached to an impact driver, illustrating its impact-rated capability and the color-coded ring for size identification.

- **Color-Coded Identification:** Each socket features a color-coded ring and laser-etched size markings for quick and easy identification.
- **Knurled Grip:** The sockets incorporate a knurled texture for a steady, confident hold during manual use or when attaching/detaching from the ratchet.



Image: A close-up view of a socket, highlighting the knurled texture around its base for enhanced grip.

- **MODbox Compatible Storage Case:** The included compact case provides organized storage for the ratchet and sockets and is designed to be compatible with the Klein Tools MODbox system for modular tool organization. The case allows for opening while stacked.



Image: The KNECT socket wrench set case shown stacked with other MODbox components, demonstrating its stackable and accessible design.



Image: The KNECT case securely connected to a MODbox side rail using an adapter plate (adapter plate not included).

Setup

1. **Unpack:** Carefully remove all components from the packaging. Inspect the ratchet and sockets for any signs of damage.
2. **Familiarize:** Identify each socket by its color-coded ring and laser-etched size marking. Understand the function of the flex head ratchet, including its direction switch (ON/OFF) and head locking mechanism.
3. **Storage:** Keep the sockets and ratchet organized within the provided MODbox compatible case when not in use.

Operating Instructions

1. **Select the Correct Socket:** Choose the appropriate SAE socket size (1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16") that matches the fastener you are working with. Ensure a snug fit to prevent stripping.
2. **Attach the Socket:** Firmly press the selected socket onto the square drive of the KNECT Flex Head Pass-Through Ratchet. Ensure it is fully seated.

3. **Adjust Ratchet Direction:** Use the ON/OFF switch on the ratchet head to select the desired direction for tightening (ON) or loosening (OFF) the fastener.
4. **Adjust Flex Head Angle:** The ratchet head can be adjusted to 11 different angles. Pivot the head to the desired position and ensure it locks securely for optimal access in tight spaces.
5. **Engage Fastener:** Place the socket over the fastener. For pass-through applications, ensure the threaded rod passes through the center of the socket and ratchet head.
6. **Operate Ratchet:** Apply steady pressure and rotate the ratchet handle to turn the fastener. The ratcheting mechanism allows for continuous turning without removing the socket from the fastener.
7. **Using with Impact Driver (Sockets Only):** The cold-forged steel sockets are impact-rated. They can be used with an appropriate impact driver for high-torque applications. Ensure the socket is securely attached to the impact driver's adapter.



Image: A Klein Tools socket being used with an impact driver to fasten a component, demonstrating its compatibility and impact rating.

8. **Remove Socket:** After use, pull the socket firmly off the ratchet drive.

Maintenance

- **Cleaning:** After each use, wipe down the ratchet and sockets with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the ratchet mechanism to ensure smooth operation. Avoid over-lubrication.
- **Storage:** Store the tool set in its original MODbox compatible case in a dry environment to prevent rust and corrosion. Keep out of reach of children.
- **Inspection:** Regularly inspect the ratchet and sockets for wear, damage, or deformation. Discontinue use of any damaged tools and replace them as necessary.

Troubleshooting

- **Ratchet Mechanism Sticking:** If the ratchet mechanism feels stiff or sticky, it may require cleaning and lubrication. Refer to the Maintenance section.
- **Socket Slipping on Fastener:** Ensure you are using the correct size socket for the fastener. A worn or incorrect size socket can cause slipping and damage to the fastener. Replace worn sockets.
- **Difficulty Attaching/Removing Sockets:** Ensure the square drive and socket opening are clean and free of debris. A light application of lubricant on the drive may help.
- **Flex Head Not Locking:** Check for any debris or damage in the flex head locking mechanism. Clean as necessary. If damage is present, the tool may need replacement.

Specifications

Feature	Detail
Brand	KLEIN TOOLS
Model Number	65430LP
Set Name	KNECT 9-Piece Low-Profile Socket Wrench Set
Number of Items	9 (1 Ratchet, 8 Sockets)
Measurement Standard	SAE
Socket Sizes	1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16"
Material	Chromium Molybdenum Steel
Finish Type	Polished
Head Style	Hex (Sockets)
Item Length	9.25 inches (ratchet)
Item Weight	1.7 pounds (entire set)
UPC	092644653315

Warranty and Support

Klein Tools products are manufactured to high standards of quality and durability. For specific warranty information and details on how to obtain support or service for your KNECT Ratcheting Socket Wrench Set, please refer to the official Klein Tools website or contact their customer service directly.

Website: www.kleintools.com

Customer Service: Refer to the contact section on the official website for phone numbers or email support.

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