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HKS 16-6 Crimper

HKS Ferrule Crimping Tool

Model: 16-6 Crimper (AWG 30-5)

Instruction Manual

1. Product Overview

The HKS 16-6 Ferrule Crimping Tool is designed for hexagonal crimping of insulated and uninsulated sleeve terminals, wire ferrules, and end sleeves. It features a self-adjusting ratchet mechanism for consistent and reliable crimps across a wide range of wire gauges.

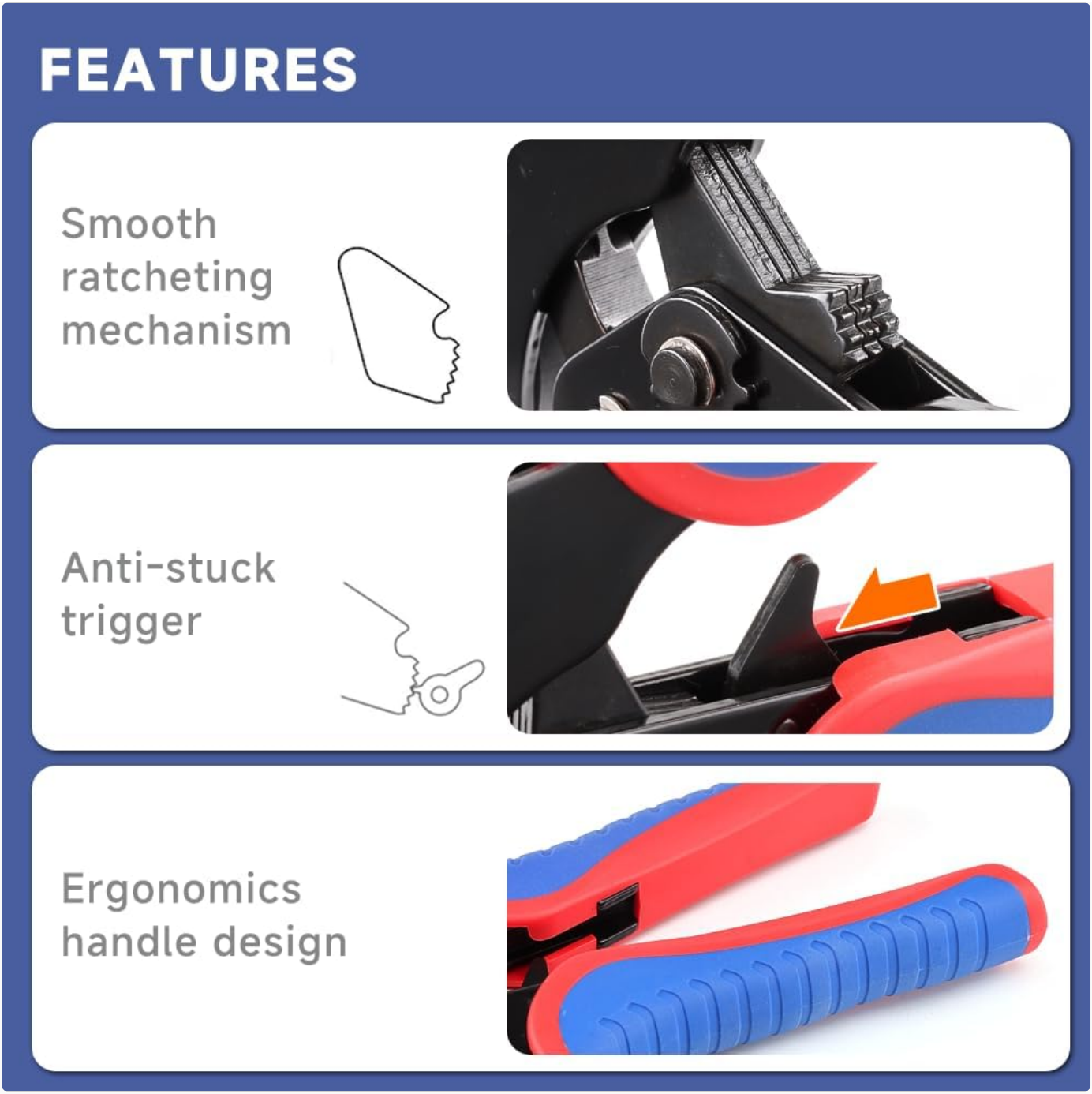


Image: Key features of the HKS Ferrule Crimping Tool, including its smooth ratcheting mechanism, anti-stuck trigger, and ergonomic handle design.

Key Features:

- **Crimp Range:** 30-5 AWG (0.08mm²-16mm²) for insulated and uninsulated sleeve terminals.
- **Hexagonal Crimp:** Features 6 synchronously driven crimp claws for 6 serrated crimp surfaces.
- **Labor-Saving Ratchet Mechanism:** Automatically adjusts to the proper crimping range, ensuring consistent crimps.
- **Lightweight Design:** Weighs only 1.23 lbs (0.56 kg) with an ergonomic anti-skid handle for ease of use.
- **Full Ratchet Crimp:** Guarantees fully crimped terminals for secure connections.

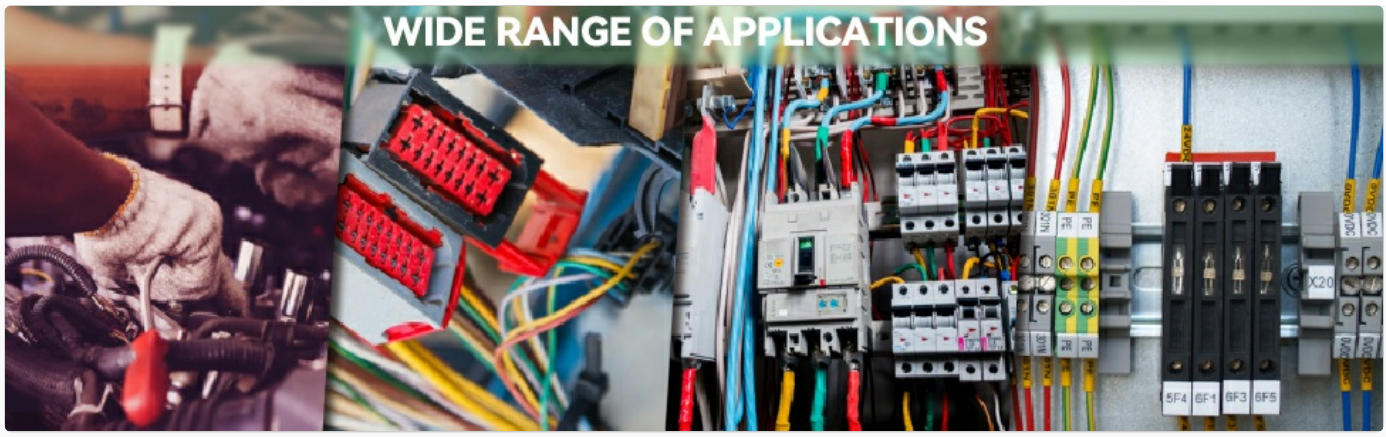


Image: Various applications where the HKS Ferrule Crimping Tool can be used, including automotive wiring, electrical panels, and industrial controls.

2. Safety Instructions

Always follow these safety guidelines when using the HKS Ferrule Crimping Tool to prevent injury and ensure proper operation:

- **Eye Protection:** Always wear approved eye protection (safety glasses or goggles) when operating the tool.
- **Inspect Tool:** Before each use, inspect the tool for any damage, wear, or loose parts. Do not use a damaged tool.
- **Disconnect Power:** Ensure all power sources are disconnected before working on electrical wires or components.
- **Proper Wire Sizing:** Use the correct ferrule and wire gauge for the application. Refer to the specifications.
- **Cleanliness:** Keep the tool clean and free from grease, oil, or debris.
- **Storage:** Store the tool in a dry, secure place, out of reach of children.
- **Intended Use:** Use the tool only for its intended purpose of crimping ferrules.

3. Setup

The HKS Ferrule Crimping Tool is ready for use out of the box. No assembly is required.

1. Remove the crimping tool from its packaging.
2. Inspect the tool for any visible damage from shipping.
3. Familiarize yourself with the tool's components, including the crimping jaws, ratchet mechanism, and handles.

4. Operating Instructions

Follow these steps for effective and secure crimping:

1. **Prepare the Wire:** Strip the insulation from the end of the wire to the appropriate length for the ferrule being used. Ensure the wire strands are neat and untwisted.
2. **Insert Ferrule:** Insert the stripped wire into the ferrule. Ensure all wire strands are fully contained within the ferrule's metal sleeve.
3. **Position Ferrule in Tool:** Open the crimping tool handles and place the ferrule (with the wire inserted) into the crimping jaws. The tool will automatically adjust to the correct size for the ferrule.
4. **Crimp:** Squeeze the handles firmly until the ratchet mechanism releases. This ensures a complete and secure crimp. The tool will form a hexagonal crimp around the ferrule.
5. **Inspect Crimp:** Remove the crimped ferrule and inspect it. The ferrule should be securely attached to the wire, and the crimp should be uniform and hexagonal.



Image: Visual guide demonstrating the four steps of using the crimping tool: inserting the wire into the ferrule, placing the ferrule in the tool, crimping, and inspecting the finished connection.



Image: Close-up view of the hexagonal pressing mechanism, showing how the tool adapts to the core sleeve size for a tight dimension connection (0.08-16mm², 30-5AWG).

Applicable Terminals:



Image: Illustration showing various types of ferrules that are compatible with the tool (left) and other terminal types (e.g., ring, spade, fork) that are not applicable (right).

Hexagonal vs. Square Crimp:



Image: A visual comparison between hexagonal and square crimp profiles. Hexagonal crimps are generally suitable for round terminal ports, while square crimps are better for square ports.

Product Video:

Your browser does not support the video tag.

Video: A demonstration of the HKS 16-6 Crimper in use, showcasing its features and crimping action. This video is provided by the seller, Important Store.

5. Maintenance

Regular maintenance will extend the life of your HKS Ferrule Crimping Tool:

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust, dirt, or debris.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation.
- **Inspection:** Regularly check the crimping jaws for wear or damage. Ensure the ratchet mechanism functions correctly.
- **Storage:** Store the tool in a dry environment to prevent rust and corrosion.

6. Troubleshooting

If you encounter issues with your crimping tool, consider the following:

- **Poor Crimp Quality:**
  - Ensure the correct ferrule size is matched to the wire gauge.
  - Verify that the wire is fully inserted into the ferrule and the ferrule is correctly positioned in the tool's jaws.
  - Confirm the ratchet mechanism completes its cycle.
- **Tool Jams:**

- Do not force the tool. Release the ratchet if possible.
- Check for any foreign objects or debris in the crimping jaws.
- Ensure the tool is not being used on materials outside its specified crimp range.

- **Handles Stuck:**
  - The tool has an anti-stuck trigger. Press it to release the handles if they become stuck before a full crimp.

7. Specifications



Image: The HKS Ferrule Crimping Tool shown alongside a table detailing its model, crimp range, AWG, weight, and length.

Product Specifications

Attribute	Value
Brand	HKS
Model Number	16-6 Crimper

Attribute	Value
Crimp Range	0.08mm² - 16mm²
AWG Range	30-5 AWG
Crimp Type	Hexagonal
Item Weight	1.2 pounds (0.56 kg)
Size	7.8 inches (205mm)
Handle Material	Multicolor (Ergonomic)
Specific Uses	Electrical installations and repairs

8. Warranty and Support

For warranty information or technical support regarding your HKS Ferrule Crimping Tool, please refer to the product packaging or contact HKS customer service directly. Contact details can typically be found on the manufacturer's official website or through your point of purchase.

Always retain your proof of purchase for warranty claims.

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