

Unicraft 6171011

Unicraft Chain Hoist K 250 AL, Model 6171011 - Instruction Manual

Model: 6171011

1. INTRODUCTION

This manual provides important information for the safe and efficient operation, maintenance, and care of your Unicraft K 250 AL manual chain hoist. Please read these instructions carefully before initial use and keep them for future reference. Proper use and adherence to safety guidelines are crucial for preventing accidents and ensuring the longevity of the product.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always inspect the hoist, load chain, and hooks for damage or wear before each use. Do not use if any defects are found.
- Never exceed the rated load capacity of 250 kg (0.25 t). Overloading can cause structural failure and severe injury.
- Ensure the hoist is securely mounted to a suitable support structure capable of safely bearing the hoist's weight plus the maximum load.
- Do not use the hoist for lifting people or for purposes other than its intended use.
- Keep hands and body clear of the load and moving parts during operation.
- Operate the hoist smoothly; avoid sudden jerks or impacts.
- Ensure the load is balanced and properly secured before lifting.
- Never leave a suspended load unattended.
- Do not operate the hoist if you are under the influence of drugs, alcohol, or medication that impairs judgment.
- This product is TUV GS certified, indicating tested safety. However, user responsibility for safe

operation remains paramount.



Image: TUV GS Certified Safety Mark. This mark signifies that the product has undergone rigorous testing for safety and quality by TUV Rheinland.

3. PRODUCT DESCRIPTION AND FEATURES

The Unicraft K 250 AL is a robust and reliable manual chain hoist designed for lifting and lowering loads up to 250 kg. Its compact design and durable construction make it suitable for various industrial and workshop applications.



Image: Unicraft K 250 AL Manual Chain Hoist. This image displays the complete chain hoist assembly, including the top suspension hook, the aluminum housing, the load chain, and the bottom swivel load hook.

Key Features:

- **High-Strength Aluminum Housing:** Provides a lightweight yet durable enclosure for internal components, contributing to the hoist's overall reduced weight.
- **Swivel Load and Suspension Hooks:** Made from alloy steel with safety latches, ensuring secure attachment to both the support structure and the load.
- **Double Pawl System:** Enhances safety and reliability during operation by providing redundant braking mechanisms.
- **Fixed Chain End Anchorage:** Features a special casting for extremely secure anchoring of the load chain, preventing accidental detachment.
- **Compact Design:** With dimensions of approximately 100 mm (length) x 59 mm (width) x 260 mm (height), it is designed for ease of handling and use in confined spaces.

4. SETUP

1. **Unpacking and Inspection:** Carefully remove the hoist from its packaging. Inspect all components for any signs of shipping damage. Ensure all parts, including the load chain and hooks, are intact and free from deformation or cracks.
2. **Mounting the Hoist:**
 - Identify a suitable, structurally sound anchor point or trolley system capable of supporting at least *five times* the maximum intended load.
 - Attach the upper suspension hook of the hoist securely to the anchor point. Ensure the safety latch on the hook is fully closed and engaged.
 - Verify that the hoist hangs freely and vertically, without any obstructions to the chain or housing.
3. **Pre-Operational Check:** Before lifting any load, perform a test run with a small, non-critical weight to familiarize yourself with the hoist's operation and to confirm all mechanisms are functioning correctly.

5. OPERATING INSTRUCTIONS

Always operate the hoist with care and attention to safety. Ensure the work area is clear and that no personnel are beneath the suspended load.

1. **Attaching the Load:**

- Attach the load securely to the lower swivel load hook. Use appropriate slings, shackles, or other lifting accessories.
- Ensure the load is centered on the hook and the safety latch is fully closed. Do not tip-load the hook.
- Verify the load is balanced to prevent swinging during lifting.

2. **Lifting the Load:**

- Pull the hand chain downwards steadily and smoothly to lift the load.
- Avoid sudden or jerky movements.
- Monitor the load and hoist for any unusual noises or movements.

3. **Lowering the Load:**

- To lower the load, gently pull the other side of the hand chain. The speed of lowering is controlled by the rate at which the hand chain is pulled.
- Lower the load slowly and with control.
- Once the load is safely on the ground or support, release the hand chain and detach the load hook.

4. **Stopping and Holding:** The hoist is equipped with a braking system that automatically holds the load when the hand chain is released. Ensure the load is stable before leaving it suspended.

6. MAINTENANCE

Regular maintenance is essential for the safe and reliable operation of your Unicraft chain hoist.

• **Daily/Before Use:**

- Visually inspect the entire hoist, including the load chain, hand chain, hooks, and housing, for any signs of damage, wear, corrosion, or deformation.
- Check that safety latches on both hooks operate freely and close completely.
- Ensure the load chain runs smoothly through the hoist mechanism.

• **Monthly/Regularly:**

- Clean the hoist, especially the chains, to remove dirt, dust, and debris.
- Lightly lubricate the load chain with a suitable chain lubricant. Avoid over-lubrication, which can attract dirt.
- Check all fasteners for tightness.

• **Annual Inspection:** A thorough inspection by a qualified technician is recommended annually to check for internal wear, brake function, and overall structural integrity.

• **Storage:** Store the hoist in a clean, dry place when not in use to prevent corrosion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hoist not lifting/lowering smoothly	Load chain tangled or twisted. Lack of lubrication. Internal mechanism obstruction or damage.	Untangle and straighten the load chain. Lubricate the load chain. Inspect for foreign objects; if damaged, discontinue use and seek professional repair.
Load slips or does not hold	Brake mechanism worn or faulty. Overloading the hoist.	Immediately lower the load safely. Discontinue use and have the brake system inspected and repaired by a qualified technician. Ensure load does not exceed 250 kg capacity.
Excessive noise during operation	Lack of lubrication. Worn or damaged internal components.	Lubricate moving parts. Discontinue use and have the hoist inspected by a qualified technician.

For issues not listed here or if solutions do not resolve the problem, contact Unicraft customer support or a qualified service technician.

8. SPECIFICATIONS

Model Number	6171011
Brand	Unicraft
Load Capacity	0.25 t (250 kg)
Standard Lifting Height	3 m
Hand Force at Nominal Load	202 N
Number of Load Chain Strands	1
Load Chain Material	Steel
Housing Material	High-strength Aluminum
Product Weight (Net)	Approx. 3.7 kg
Product Dimensions (L x W x H)	Approx. 100 mm x 59 mm x 260 mm
Certifications	TUV GS

9. WARRANTY AND SUPPORT

Specific warranty details for the Unicraft K 250 AL chain hoist are typically provided at the point of purchase or can be found on the official Unicraft website. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact your authorized Unicraft dealer or visit the official Unicraft website for contact information.

