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› LUISLADDERS Folding Ladder Multi-Purpose Aluminium Extension 7 in 1 Step Heavy Duty Combination EN 131 Standard (12.5 Feet)
Instruction Manual

LUISLADDERS SW-SM403

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Brand: LUISLADDERS | Model: SW-SM403

1. INTRODUCTION

Thank you for choosing the LUISLADDERS Multi-Purpose Aluminium Extension Ladder. This versatile ladder is designed to meet a wide range of height requirements and working needs, offering 7 different configurations including scaffold, leaning ladder, and stepladder. Constructed from heavy-duty aircraft-grade aluminum, it is built for stability and durability, meeting EN131 standards with a maximum load capacity of 330 lbs. This manual provides essential information for safe and effective use of your ladder.



Image: The LUISLADDERS Multi-Purpose Ladder showcasing its various possible configurations, including A-frame, extension, and scaffolding setups.

2. SAFETY INFORMATION

Your safety is paramount. Always read and understand all instructions and warnings before using the ladder. Failure to do so may result in serious injury or death.

- **Load Capacity:** Do not exceed the maximum load capacity of 330 lbs. This includes the user, tools, and materials.
- **Proper Angle:** When used as a leaning ladder, ensure it is placed at an angle of approximately 75 degrees in relation to the ground for optimal stability.
- **Secure Placement:** Always ensure the ladder is placed on a firm, level, and non-slippery surface. The zigzag anti-slip foot straps are designed to prevent sliding.
- **Locking Mechanism:** The ladder is connected by six security locks. Always ensure all locks are fully engaged and secure before climbing or changing configurations.

- **Adjustment Warning:** If you need to fold the ladder or change its configuration, especially from a straight ladder position, always place it on the floor before making adjustments. This prevents accidental collapse or injury.
- **Inspection:** Before each use, inspect the ladder for any damage, loose parts, or wear. Do not use a damaged ladder.
- **Non-Slip Steps:** The undulating ridges of the square rungs are designed to prevent soles from slipping. Always maintain three points of contact when climbing.



Image: A person ascending the ladder, highlighting its 330 lbs load capacity and the suggested 65-75 degree angle for safe use, along with the multi-angle anti-slip foot pads.

3X SAFER



Thickened
Large
Joints

Non-Slip
Step

Extended
Balance
Bar

Image: Detailed view of the ladder's safety features, including thickened large joints, non-slip steps, and an extended balance bar, emphasizing its enhanced safety design.

3. SETUP AND ASSEMBLY

Your LUISLADDERS Multi-Purpose Ladder comes fully assembled and ready for use. The design emphasizes effortless assembly and configuration changes.

Changing Configurations:

The ladder features a 'Click & Lock' system with six security locks that allow for easy and secure transformation between different shapes. To change the ladder's form:

1. Ensure the ladder is on a stable, flat surface.
2. Locate the security locks at the hinge points.

3. Press the levers to disengage the locks.
4. Carefully adjust the ladder sections to the desired configuration.
5. Ensure all locks click firmly into place, securing the new configuration before use.



Image: A visual guide demonstrating the simple steps for adjusting the ladder's configuration, highlighting the ease of assembly and transformation.

4. OPERATING INSTRUCTIONS

The LUISLADDERS Multi-Purpose Ladder offers 7-in-1 functionality, adapting to various tasks. Below are common configurations and their uses:

Common Configurations:

- **A-Frame Ladder:** Ideal for tasks requiring a stable, self-supporting structure, such as painting indoors or reaching high shelves.
- **Extension Ladder:** For maximum height, extend the ladder fully to reach roofs, clean gutters, or access high outdoor areas.
- **Scaffolding/Work Platform:** By separating the ladder into two sections and adding a platform (not included), it can be used as a stable work platform for tasks like ceiling work or long-span projects.
- **Stairway Ladder:** Can be configured to safely navigate stairs or uneven surfaces, providing a stable base where traditional ladders cannot.
- **Wall Ladder:** Use against a wall for direct vertical access.
- **Trestle Ladder:** Similar to A-frame but with a wider base for increased stability.
- **Compact Storage:** Folds down to a compact size for easy storage and transport.

7IN**1**

MULTI-PURPOSE LADDER

Well-Designed to
Meet Your Different Needs



Image: A graphic illustrating the seven different ways the LUISLADDERS multi-purpose ladder can be configured to suit various tasks and environments.

MULTI-PURPOSE

A-frame / Extension / Scaffolding



Image: Demonstrations of the ladder in use for different applications, including A-frame for indoor tasks, extension for reaching high outdoor areas, and scaffolding for broader work surfaces.

Official Product Video:

Your browser does not support the video tag.

Video: This official LUISLADDERS video demonstrates the various configurations of the 7-in-1 Multi-Purpose Extension Ladder, showing how it transforms for different uses.

5. MAINTENANCE

Proper maintenance will extend the life of your LUISLADDERS product and ensure continued safe operation.

- **Cleaning:** Clean the ladder regularly with a damp cloth and mild detergent. Avoid abrasive cleaners that could damage the aluminum finish.

- **Lubrication:** Periodically lubricate the hinges and locking mechanisms with a silicone-based spray to ensure smooth operation.
- **Storage:** Store the ladder in a dry, protected area away from direct sunlight and moisture. While primarily aluminum, some components may contain iron and could be susceptible to rust if left exposed to water.
- **Inspection:** Regularly check for any signs of wear, cracks, bends, or loose rivets. Pay close attention to the rungs, feet, and hinge points. Replace any damaged parts immediately or discontinue use.

6. TROUBLESHOOTING

If you encounter any issues with your LUISLADDERS ladder, consider the following:

- **Ladder feels unstable:** Ensure all six security locks are fully engaged. Verify the ladder is on a firm, level surface. Adjust the angle if used as a leaning ladder to approximately 75 degrees.
- **Difficulty changing configurations:** Check if the levers are fully depressed. Ensure the ladder is on a flat surface and not under any load. Lubricate hinges if stiff.
- **Excessive flex/bend:** While some flex is normal for aluminum ladders, ensure you are not exceeding the 330 lbs load capacity. If significant or unusual flex occurs, discontinue use and inspect for damage.
- **Foot straps slipping:** Ensure the foot straps are clean and free of debris. Verify the surface is not excessively wet or oily.

For persistent issues or concerns about safety, please contact LUISLADDERS customer support.

7. SPECIFICATIONS

Brand	LUISLADDERS
Model Number	SW-SM403
Material	Aluminum
Color	Silver
Product Dimensions (Folded)	23.5"W x 40.5"H
Item Weight	23.4 pounds (374.96 Ounces)
Load Capacity	330 Pounds
Maximum Height	150 Inches (12.5 Feet)
Special Feature	Multi-Position
Standard Compliance	EN131 Standard
Country of Origin	China

DIMENSION

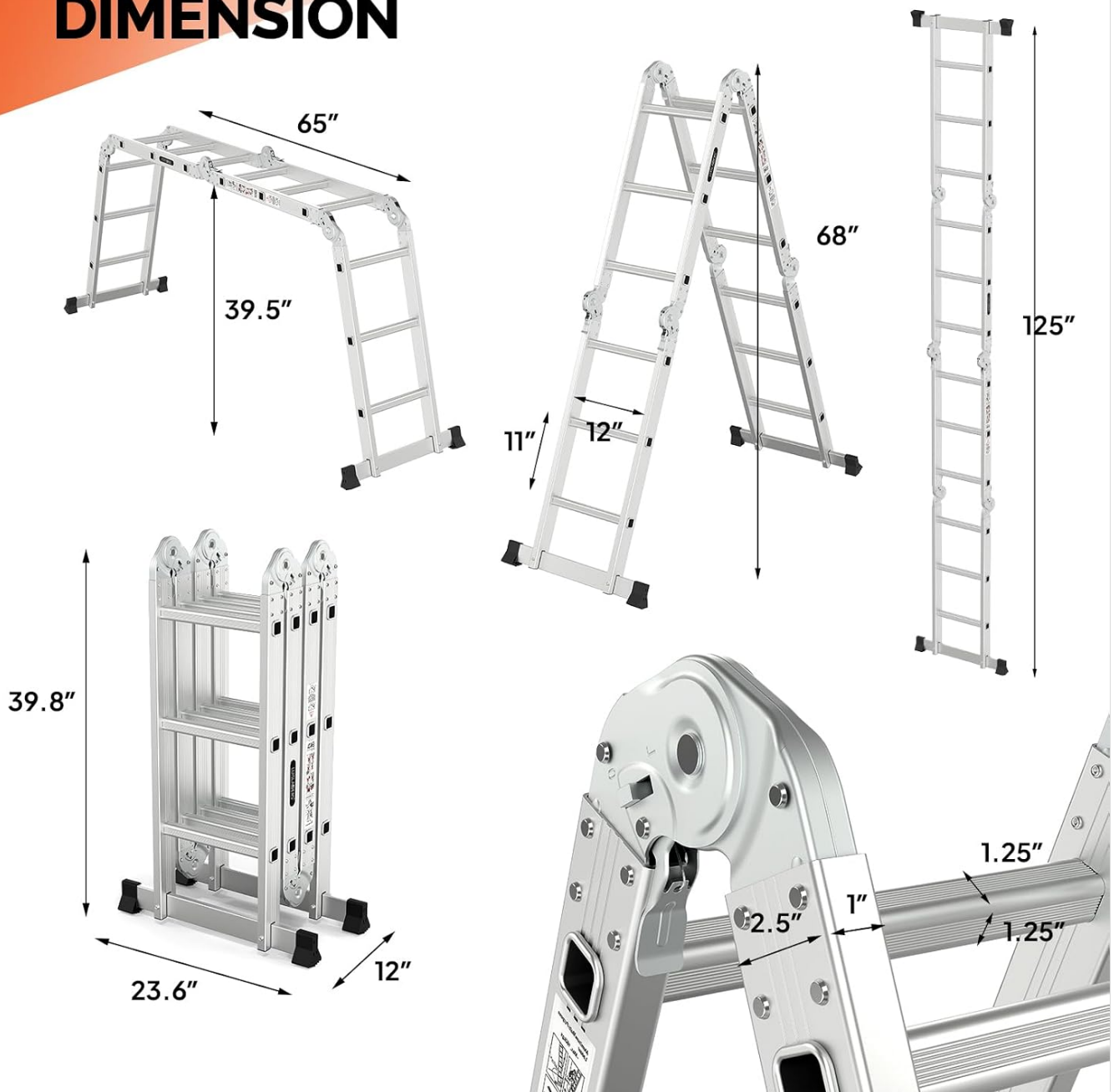


Image: A comprehensive diagram illustrating the dimensions of the ladder in its different configurations, including folded, A-frame, and fully extended states.

8. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please contact LUISLADDERS directly through their official channels or the retailer from whom you purchased the product. Keep your purchase receipt for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question