

## Xtend & Climb CS165AS

# Xtend & Climb CS165AS Telescoping Extension Ladder

## USER MANUAL

### 1. Important Safety Information

Read and understand all instructions and safety warnings before using the Xtend & Climb CS165AS Telescoping Extension Ladder. Failure to follow these instructions may result in serious injury or death.

- **Inspect Before Each Use:** Always check the ladder for damage, loose parts, or proper function of locking mechanisms before climbing. Do not use if damaged.
- **Proper Placement:** Ensure the ladder is placed on a firm, level surface. The automatic bottom foot stabilizers are designed for enhanced stability.
- **Angle of Use:** Maintain a proper angle (approximately 75 degrees) when leaning the ladder against a wall.
- **Locking Mechanisms:** Verify that all rungs are securely locked into place before ascending. Green indicators confirm locked position.
- **Weight Capacity:** This ladder is rated Type I Heavy Duty with a 250 lb (113 kg) capacity. Do not exceed this limit.
- **Working Height:** Never stand or climb higher than the fourth rung from the top. Maintain three points of contact at all times.
- **Electrical Hazards:** Avoid using the ladder near electrical wires or equipment. Aluminum conducts electricity.
- **Storage:** Store the ladder in a collapsed position in a dry, secure location away from children.

### 2. Product Overview

The Xtend & Climb CS165AS is a compact, collapsible telescoping extension ladder designed for versatility and ease of use. It features aerospace-engineered aluminum alloy construction for durability and lightweight portability.

#### Key Features:

- **True Tele Tech Technology:** Patented telescoping technology for smooth extension and retraction.
- **Lock & Release System:** Patented mechanism ensures each rung securely locks into place.
- **Automatic Bottom Foot Stabilizers:** Provides enhanced stability and safety during use.
- **Wide Rungs:** 2.25-inch wide rungs offer secure foot stability and comfort.
- **Compact Storage:** Collapses to 40 inches for easy storage and transport.
- **ANSI & OSHA Compliant:** Exceeds ANSI standards and is OSHA approved for safety.

## Components:

- Telescoping Aluminum Sections
- Rungs with Anti-Slip Surface
- Patented Locking Mechanisms (Green Dot Indicators)
- Automatic Bottom Foot Stabilizers
- Securing Strap





Figure 2.1: The Xtend & Climb CS165AS ladder fully extended, showcasing its height and stability.



Figure 2.2: A close-up view of the wide rungs and the secure locking mechanism with green indicators.

### 3. Setup

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Before extending the ladder, ensure you have a clear and stable area for placement.

1. Place the ladder on a firm, level surface, ensuring the automatic bottom foot stabilizers are fully engaged with the ground.
2. Unfasten the securing strap that holds the ladder in its collapsed position.
3. Grasp the bottom rung and lift the ladder to an upright position.
4. Begin extending the ladder from the bottom rung upwards, one rung at a time, until the desired height is reached.

Ensure each rung's locking mechanism clicks into place and the green indicators are visible.

5. Lean the ladder against a stable support structure at the recommended 75-degree angle.

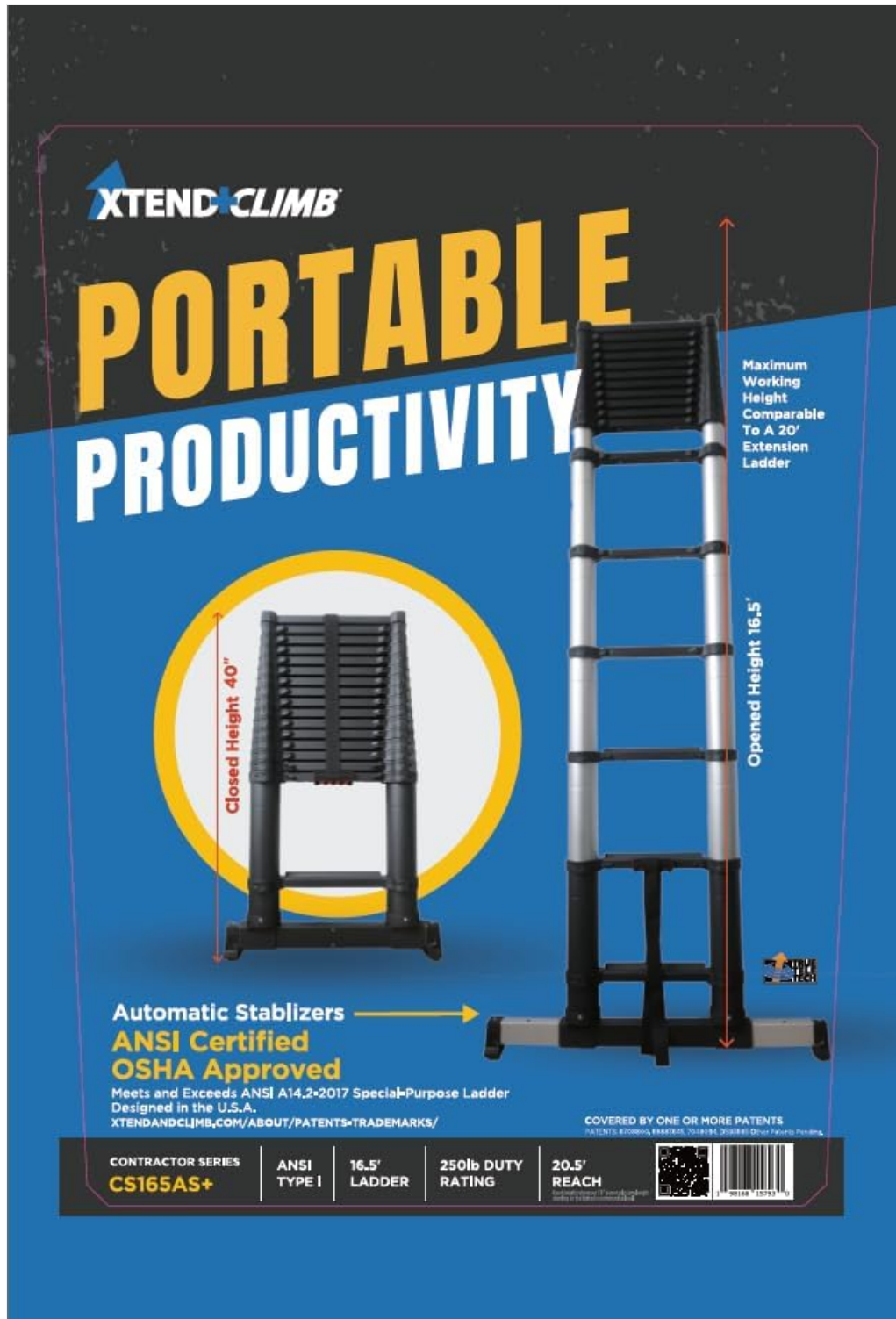


Figure 3.1: The ladder being extended, showing the individual rung locking mechanisms.

## 4. Operating Instructions

### 4.1 Extending the Ladder

1. With the ladder upright and on a stable surface, grasp the lowest rung.
2. Pull the rung upwards until it fully extends and the locking mechanisms on both sides click into place. Verify the green indicators are visible.
3. Repeat this process for each subsequent rung until the desired working height is achieved. Always ensure all rungs

- below your working height are fully extended and locked.
- Before climbing, gently push down on the lowest extended rung to confirm all sections are securely locked.

## 4.2 Retracting the Ladder

Retract the ladder from the top down, one rung at a time, ensuring hands and fingers are clear of pinch points.

- Ensure the ladder is on a stable surface and you have a firm grip.
- Starting from the top-most extended rung, locate the release buttons on each side of the rung.
- Press both release buttons simultaneously. The rung will begin to retract.
- Gently guide the rung down. Keep hands and fingers away from the collapsing sections.
- Repeat for each rung until the ladder is fully collapsed.
- Secure the collapsed ladder with the provided strap for storage or transport.

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Video 4.1: This video demonstrates the extension and retraction process of the Xtend & Climb telescoping ladder, highlighting its ease of use and portability.

## 5. Maintenance

Regular maintenance ensures the longevity and safe operation of your ladder.

- Cleaning:** Clean the ladder regularly with a damp cloth to remove dirt, dust, and debris. Avoid abrasive cleaners or solvents that could damage the aluminum or plastic components.
- Lubrication:** Periodically apply a silicone-based lubricant to the locking mechanisms and telescoping sections to ensure smooth operation. Do not over-lubricate.
- Inspection:** Before each use, inspect all rungs, feet, and locking mechanisms for any signs of wear, damage, or deformation. Ensure the anti-slip surfaces on the rungs are intact.
- Storage:** Store the ladder in a fully collapsed position, secured with its strap, in a dry environment. Protect it from extreme temperatures and direct sunlight.

## 6. Troubleshooting

If you encounter issues with your Xtend & Climb ladder, refer to the following common problems and solutions:

- Rungs Not Locking:** Ensure each rung is pulled up completely until the locking mechanisms click and green indicators are visible. Check for any debris or obstructions preventing full extension.
- Difficulty Retracting:** Ensure you are pressing both release buttons simultaneously for the specific rung you wish to retract. Check for dirt or grime in the telescoping sections; clean and lubricate if necessary.
- Ladder Wobbles:** Verify the ladder is placed on a firm, level surface. Ensure all rungs are fully extended and locked, and the automatic bottom foot stabilizers are making full contact with the ground.

If problems persist, discontinue use and contact Xtend & Climb customer support.

## 7. Specifications

| Feature  | Detail                              |
|----------|-------------------------------------|
| Model    | CS165AS                             |
| Material | Aerospace-Engineered Aluminum Alloy |

| Feature                     | Detail                                                                            |
|-----------------------------|-----------------------------------------------------------------------------------|
| Load Capacity               | 250 lbs (Type I Heavy Duty)                                                       |
| Maximum Height              | 16.75 Feet (20.5ft Reach)                                                         |
| Closed Height               | 40 Inches                                                                         |
| Item Weight                 | 42.5 Pounds                                                                       |
| Product Dimensions (Closed) | 24"W x 40"H                                                                       |
| Special Features            | Telescopic, Anti-slip, Extendable, Retractable, Automatic Bottom Foot Stabilizers |
| Certifications              | Exceeds ANSI Standards, OSHA Approved                                             |

## 8. Warranty and Support

For specific warranty information regarding your Xtend & Climb CS165AS Telescoping Extension Ladder, please refer to the documentation included with your purchase or visit the official Xtend & Climb website. Warranty terms and conditions may vary.

If you require technical assistance, have questions about operation, or need to report an issue, please contact Xtend & Climb customer support through their official website or the contact information provided with your product.

**Xtend & Climb Official Website:** [www.xtendandclimb.com](http://www.xtendandclimb.com)

### 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

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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

