ROPE / CORD / WEB

Check your rope/cord/web carefully after each use to make sure there are no cuts, chafed areas, broken fibers, soft or hard spots, glazed surfaces, discoloration or variations in diameter/width. Stitching should be checked for broken threads. If any of the above are noted, or if the rope/cord/web is subject to shock loads, retire it from service. For more information on rope inspection, see ASTM 1740-96 Guide for Inspection of Nylon, Polyester, or Nylon/Polyester Blend or Both Kernmantle Rope. CMC has numerous rope manuals and guides for additional information regarding rope inspection and maintenance. Refer to CMC's website cmcpro.com for more information about rope/cord/web inspection, maintenance, strengths, and specifications.

WARNING: Removal of protective shrink tubing is not advised. This feature protects the stitching and label from premature wear. Removal could jeopardize user safety and product conformance to applicable standards.

CARRYING, MAINTENANCE & STORAGE

During all use, carrying, storage, and transport keep the equipment away from acids, alkalis, exhaust emissions, rust and strong chemicals. Do not expose the equipment to direct heat, flame, or high temperatures or other adverse environmental conditions. If the equipment becomes soiled, it can be washed in cold water with a mild detergent that is safe for use with nylon and polyester. Rinse thoroughly. Do not use a pressure washer. Air dry in temperatures between 10° C and 30° C. Do not dry the equipment in direct sunlight or using an automatic dyer. Lubricate moving parts as needed. During storage and transport, protect the equipment from heat, direct sunlight, moisture, chemicals, and external loads or impacts. Do not store where the equipment may be exposed to moist air, particularly where dissimilar metals are stored together. Consult with the manufacturer in case of any doubt.

WARRANTY & REPAIRS

If your CMC product has a defect due to workmanship or materials, please contact CMC Customer Support at info@cmcpro.com for warranty information and service. CMC's warranty does not cover damages caused by improper care, improper use, alterations and modifications, accidental damage or the natural breakdown of material over extended use and time. All repair work shall be performed by the manufacturer. All other work or modifications void the warranty and releases CMC from all liability and responsibility as the manufacturer.

SAMPLE INSPECTION AND MAINTENANCE LOG

The following sample log provides an example of the records that should be maintained by the purchaser or user of life safety equipment.

EQUIPMENT INSPECTION AND MAINTENANCE LOG

Item_____#_____ Date in Service_____

Brand/Model_____ Strength_____

Date	How Used or Maintained	Comments	Name

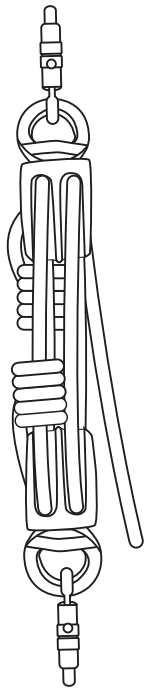
CMC Rescue, Inc.
6740 Cortona Drive
Goleta, CA 93117, USA
805-562-9120 / 800-235-5741
cmcpro.com

ISO 9001 Certified

CMC Control No.: 910017_Rev00

AZTEK PROSERIES® SYSTEM

USA MADE



⚠ WARNINGS

Activities involving the use of this device are potentially dangerous. You are responsible for your own actions and decisions. Before using this device, you must:

- Read and understand these user instructions, labels, and warnings.
- Familiarize yourself with its capabilities and limitations.
- Obtain specific training in its proper use.
- Understand and accept the risks involved.

FAILURE TO HEED ANY OF THESE WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH.

MEETS THE MANUFACTURED SYSTEM REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500. DO NOT DISASSEMBLE

- 500106-02 AZTEK PROSERIES SYSTEM LT, RATED FOR GENERAL USE (G), MBS 36 KN (8,093 LBF)
- 500104-04 AZTEK PROSERIES SYSTEM, RATED FOR GENERAL USE (G), MBS 36 KN (8,093 LBF)

Find the latest version of this manual at cmcpro.com
Manual refers to multiple product configurations.

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983, incorporated into the 2022 edition of NFPA 2500 recommends separating the User Information from the equipment and retaining the information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.

Additional information regarding life safety equipment can be found in NFPA 1500 and NFPA 1858 and NFPA 1983, incorporated in the 2022 edition of NFPA 2500.

SYSTEM COMPONENTS

To be compliant with NFPA 2500, this system must comprise of the following components:

- AZTEK Omni Double Pulleys (30032X-01)
- 8 mm Aztek ProSeries® Cord with CMC sewn termination (293021)
- 6 mm Prusiks (using 3-over-2 wraps) (29500X)

LIFESPAN / INSPECTION / RETIREMENT

The service life of equipment depends greatly on the type of use, intensity of use, and the environment of use. CMC does not specify an expiration date for hardware because the service life depends greatly on how and where it is used. For softgoods including rope/cord/web, CMC has set a lifespan of 10 years from the date of manufacture shown on the product label.

A single exceptional event can be cause for retirement after only one use, such as exposure to sharp edges, extreme temperatures, chemicals, or harsh environments. Any concerns about its safe use is cause for retirement. Remove retired equipment from service and destroy it to prevent further use.

A device must be retired when:

- It fails to pass inspection.
- It fails to function properly.
- It has illegible product labels or markings.
- It shows signs of damage or excessive wear.
- It has been subjected to shock loads, falls, or abnormal use.
- It has been exposed to harsh chemical reagents.
- It has an unknown usage history.
- You have any doubt as to its condition or reliability.
- When it becomes obsolete due to changes in legislation, standards, technique or incompatibility with other equipment.

Inspect the equipment according to your department's policy for inspecting life safety equipment. CMC recommends a detailed inspection by a competent person at least once every 12 months depending on current regulations and conditions of use. Record the date, inspector name, and inspection results in the equipment log as well as any other relevant information to track the usage history.

Before each use, the user should:

- Confirm the equipment is functioning properly.
- Verify the presence and legibility of the product labels and markings.
- Check soft components for cuts, worn or frayed areas, broken fibers, soft or hard spots, discoloration, or melted fibers. Check the stitching for pulled threads, abrasion, or breaks.
- Check hard components for excessive wear or indications of damage such as deformation, corrosion, sharp edges, cracks, or burrs. Minor nicks or sharp spots may be smoothed with emery cloth or similar.
- Check for the presence of dirt or foreign objects that can affect or prevent normal operation such as grit, sand, rocks, and debris.

During Each Use, the user should:

- Confirm all pieces of equipment in the system are correctly positioned with respect to each other.
- Monitor the condition of the equipment and its connections to other equipment in the system.
- Do not allow anything to interfere with the operation of the equipment or its components.
- Prevent foreign objects from interfering with moving parts.

AZTEK PROSERIES® LT SYSTEM

The AZTEK ProSeries LT System is a versatile mini-system that can be used anywhere a quick mechanical advantage is needed. The AZTEK LT System is pre-rigged and provides either a 5:1 or a 4:1 mechanical advantage system that extends up to 6 feet The AZTEK LT System minimum breaking strength at full extension listed in the certification text block at the beginning of this manual. The AZTEK LT System is ideal for a variety of applications, including: positioning for a litter tender, rappel pick-off, and lowering or raising system knot pass.

AZTEK PROSERIES® SYSTEM

The AZTEK ProSeries® System is a versatile mini-system that can be used anywhere a quick mechanical advantage is needed. The AZTEK System is a pre-rigged mechanical advantage pulley system that extends up to 12 feet. The AZTEK System minimum breaking strength at full extension listed in the certification text block at the beginning of this manual. It is ideal for a variety of applications, including: positioning for a litter tender, rappel pick-off, guying of high directionals, and lowering or raising system knot pass. Depending on the application, the AZTEK System can be rigged with either a 5:1 or a 4:1 mechanical advantage.

ADDITIONAL APPLICATIONS

The opposing end of the system can be used for travel restraint. The Purcell Prusik can be pre-attached to your harness using the oval screw link. The 1-inch tubular web can be used as an edge guard to help protect the 8 mm Aztek ProSeries® Cord from abrading. If the tube web becomes abraded or soiled, it can be replaced with a new piece. CMC recommends re-attaching the cord to the carabiner with a triple overhand knot. The cord must be cinched tightly to the carabiner before use.

AZTEK OMNI PULLEY

MEETS THE PULLEY REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

- 30032X-01 PULLEY, AZTEK DOUBLE, CMC, TECHNICAL USE (T)
  MBS 36 kN (8,093 lbf)

The AZTEK Omni Pulleys are designed to be used in pairs in a pre-rigged mechanical advantage system using 8mm cord. The end of the cord can be secured around the "horn" of one of the pulleys and secured with the supplied end cap. A Prusik hitch can be used for progress capture and can be secured directly to the pulley via the plunger pin. Both the horn and the plunger pin have a minimum breaking strength of 12 kN. The AZTEK Omni pulleys can be rigged in either a 5:1 or a 4:1 mechanical advantage configuration. At any given time only one Prusik hitch is used. When not in use the Prusik cord should be loosened and allowed to float on the cord.

Pulleys are designed to specific performance criteria. Be aware of load limitations, manner used, and proper technique. Do not overload a pulley. Pulleys can fail under improper use conditions such as applying a bending, shear, or torsional load to the pulley. If you are not sure of proper application or technique, seek proper training in pulley use and technical rope application. See below for additional guidance.

- To prevent roll-out, use only locking carabiners.
- Do not use a double sheave pulley with only one sheave loaded.
- Check that the sheave is in good condition and freely rotates.
- Avoid rigging your system in a manner that causes bending, shear, or torsional load on the pulley.

PROTECH™ CARABINER

All carabiners are designed to specific performance criteria. Be aware of load limitations, manner used, and proper technique. Carabiners can fail under improper use such as cross loading, gate-open loading, loading other than major axis, applying shear or torsional loads, and overloading. If you are not sure of proper application or technique, seek proper training in carabiner use and technical rope application. Refer to CMC's ProTech Carabiner manual for more information, and for details on how to remove and reinstall the keeper pin for relevant models.