

IMPORTANT INFORMATION - PLEASE READ AND SAVE



CSR² Pulley System

Made in USA
of US and foreign
components

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983 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, *Standard on Fire Department Occupational Safety and Health Programs*, and NFPA 1983, *Standard on Life Safety Rope and Equipment for Emergency Services*.

INSPECTION

Refer to the User Information for each component included with this system.

CERTIFICATION

To be compliant with NFPA 1983, the following additional components must be used in conjunction with this manufactured system:

- CSR² Pulley (300343)
- CSR² Double Pulley (300342)
- Static-Pro Lifeline (28110X or 28120X) with CMC factory sewn termination.

USING THE CSR² PULLEY SYSTEM

Self-tending pulleys are most often used in vertical systems with the pulley attached to a high anchor such as a tripod. When rigged with a double pulley, the mechanical advantage ratio is 4:1. The CSR² Pulley System is designed so that the sheave camming mechanism is only subjected to 1/4 of the load and therefore should not be used as a conventional rope grab. It is therefore designed to be rigged in a traditional block & tackle method as pictured on the sideplate. During a raising, the rope will run through the pulley, and the camming sheave will act as a ratchet to stop movement in the opposite direction. To lower loads, first ensure you have a firm grip on the running end of the rope, then fully release the rope-locking mechanism with the release cord and begin lowering the load by feeding rope into the CSR² pulley; preferably, for reasons of redundancy, this should be done by one person controlling the rope and another controlling the cord (release lever).

- **The running end of the rope exiting the pulley from the camming mechanism should always be tended with a firm grip.**
- **If a firm grip cannot be maintained, tie a knot (such as a Figure-8-On-A-Bight) to prevent the rope from reversing through the system.**
- **Ensure that the release lever has a completely unobstructed path for release and rope-locking.**
- **Ensure that there is always a knot at the running end of the rope to prevent accidental run-out.**

RIGGING THE CSR² PULLEY SYSTEM

The CSR² Pulley System is pre-rigged with either 11 mm (7/16 in) or 12.5 mm (1/2 in) CMC Static-Pro Lifeline. Refer to the rope's User Information for inspection, use and care procedures. Replacement rope can be rigged in the pulley system by initially securing the factory sewn termination onto the side becket attachment. A replacement becket screw will accompany the replacement rope. The rope can then be reeved in the double pulley, alternating with the CSR² Pulley. The rope should exit the CSR² Pulley System through the camming mechanism. Refer to the diagram on the sideplate of the CSR² Pulley. Contact CMC Customer Support for replacement rope.

CARRYING, MAINTENANCE & STORAGE

Refer to the User Information for each component included with this system.

REPAIR

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 sample log suggests 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

⚠ WARNING

- **SERIOUS INJURY OR DEATH MAY RESULT FROM THE IMPROPER USE OF THIS EQUIPMENT.**
- **THIS EQUIPMENT HAS BEEN DESIGNED AND MANUFACTURED FOR USE BY EXPERIENCED PROFESSIONALS ONLY.**
- **DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT PRIOR TRAINING.**
- **THOROUGHLY READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS BEFORE USE.**
- **USE, INSPECT AND REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.**



MEETS THE MANUFACTURED SYSTEM REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION. DO NOT DISASSEMBLE

EMERGENCY SERVICES MANUFACTURED SYSTEM
IN ACCORDANCE WITH NFPA 1983 – 2017.

RATED FOR GENERAL USE "G", MBS 44kN (9,891 lbf)

THIS CSR² PULLEY SYSTEM HAS PASSED THE MINIMUM BREAKING STRENGTH AND HOLDING LOAD TEST USING THE FOLLOWING ROPE:
CMC STATIC-PRO, 11 mm (7/16 in) PART# 28110X AND 12.5 mm (1/2 in) PART# 28120X.

CMC Rescue, Inc.

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ISO 9001 Certified