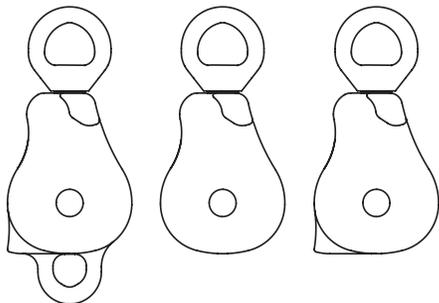




XX CMC™

## PROSWIVEL PULLEYS



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

- 300430-02 1.5" PMP SS SINGLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 36 KN (8,093 lbf)
- 300431-01 1.5" SINGLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 36 KN (8,093 lbf)
- 300432-02 1.5" DOUBLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 36 KN (8,093 lbf)
- 300433 1.1" CMC RESCUE DOUBLE SWIVEL PULLEY, TECHNICAL USE (T)  
MBS 22 KN (4,946 lbf)
- 300434-02 1.1" PMP SINGLE SWIVEL PULLEY, TECHNICAL USE (T)  
MBS 22 KN (4,946 lbf)
- 300436-02 2.6" PMP SINGLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 70 KN (15,737 lbf)
- 300437-01 2.0" PMP SINGLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 36 KN (8,093 lbf)
- 300438-01 2.0" PMP DOUBLE SWIVEL PULLEY, GENERAL USE (G)  
MBS 36 KN (8,093 lbf)

### ⚠ 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.**

### 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.

### LIFESPAN / INSPECTION / RETIREMENT

CMC does not specify an expiration date for hardware because the service life depends greatly on how and where it is used. The type of use, intensity of use, and environment of use are all factors in determining serviceability of the equipment. 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. 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 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 device is functioning properly.
- Verify the presence and legibility of the product markings.
- Verify there is no 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 are correctly positioned with respect to each other.
- Monitor the condition of the device and its connections to other equipment in the system.
- Do not allow anything to interfere with the operation of the device or its components.
- Keep foreign objects out of the device.

### LIMITATIONS AND PROPER USE

All 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 loading with a side plate open or applying a bending, shear, or torsional load to the pulley, etc. If you are not sure of proper application or technique, seek proper

training in pulley use and technical rope application. See below for additional product-specific guidance.

- Opening the sideplate: depress the button and rotate the sideplate counterclockwise (clockwise for the back side of the double sheave pulley). The sideplate is designed to stop at the button a second time to prevent accidental opening. To fully open, depress the button again and rotate.
- Closing the sideplate: rotate the sideplate to the fully closed position. The button will be naturally depressed by the sideplate when it is moved in this direction. Depressing the button manually may extend the lifespan of pulley components. Verify the button extends fully through the hole and test that the sideplate is completely locked and secure in the fully closed position.
- To prevent roll-out, use only locking carabiners. Do not allow ropes or objects to rub or twist the sleeve because this could unlock it. Vibration can also unlock a sleeve. Sleeves must be locked to achieve full strength.
- When using a Prusik hitch in conjunction with a pulley, care must be taken to prevent the Prusik knot from being pulled in between the side plates of the pulley.
- Do not use a double sheave pulley with only one sheave loaded.
- Check that the sheave is in good condition and freely rotates.
- Do not let an object in between the sideplates and never rig your system so that the pulley is forced against something that could break or open the sideplate.
- Regularly check that the sideplate is locked with the button fully extended. Do not allow anything to contact the button in use.

## CARRYING, MAINTENANCE & STORAGE

During all use, carrying, storage and transport keep the equipment away from acids, alkalis, rust and strong chemicals. Do not expose the equipment to direct heat, flame or high temperatures. Clean equipment using clean fresh water to remove any dust or debris. Do not use a pressure washer for cleaning. If the equipment gets wet, remove excess moisture and allow to air dry at temperatures between 10° C and 30° C. 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.

## WARRANTY & REPAIRS

If your CMC product has a defect due to workmanship or materials, please contact CMC Customer Support at [info@cmcpro.com](mailto: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.

The equipment should not be modified in any way or altered to allow attachment of additional parts without the manufacturer's written recommendation. If original components are modified

or removed from the product, its safety aspects may be restricted.

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 can be maintained by the purchaser or user.

EQUIPMENT INSPECTION AND MAINTENANCE LOG			
Item _____ # _____		Date in Service _____	
Brand/Model _____		Strength _____	
Date	How Used or Maintained	Comments	Name

 Find the latest version of this manual at [cmcpro.com](http://cmcpro.com).



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