



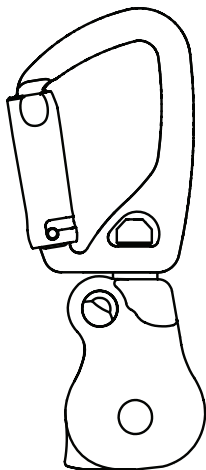
**300435**

**PULLEY, PMP SWIVELBINER, 1.1" CMC**

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## CMC PROSWIVEL™ SWIVABINER



5F04

MEETS THE PULLEY REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT. FOR EMERGENCY SERVICES, 2017 EDITION. EMERGENCY SERVICES PULLEY IN ACCORDANCE WITH NFPA 1983-2017.

**CMC PROSWIVEL SWIVABINER GENERAL USE (T)  
MBS 23 KN (5,171 LBF)**

CARABINER FRAME TESTED TO MEET THE MINIMUM REQUIREMENTS OF NFPA T RATING.

MBS  $\blacktriangleleft$  23KN MAJOR AXIS,  $\blacktriangleright$  10KN MINOR AXIS,

$\curvearrowright$  10KN GATE OPEN.

### WARNINGS

- 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.



Imminent risk of serious injury or death.



Imminent risk of accident or injury.



Appropriate function or use.



Equipment incompatibility.

### USER INFORMATION

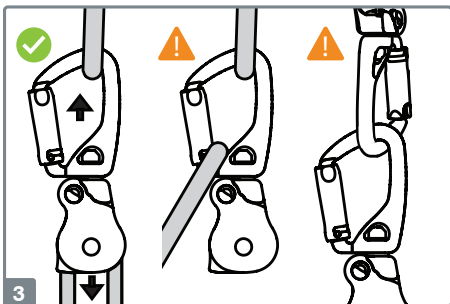
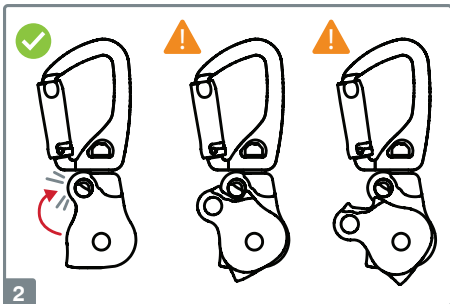
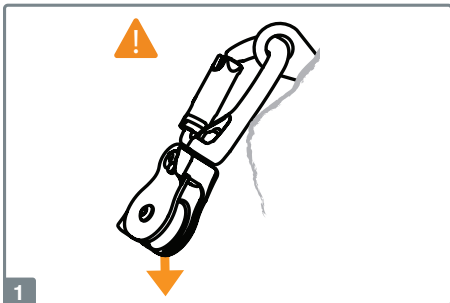
User Information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the User Information from the equipment and retaining the information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the 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.

- When using swivel pulleys, make sure that the sideplates are locked prior to use.
- 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.

### INSPECTION

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. Keep a record of the date, person performing the inspection and results, as well as the date of first use, name of users and any other pertinent information necessary to keep accurate track of the equipment's usage history in the equipment log or on a tag that attaches to the equipment. Each user should be trained in equipment inspection and should inspect the equipment before each use.

Check all parts for cracks, deformation, corrosion, sharp edges, legibility of product markings, burrs, or excessive wear. etc. Minor nicks or sharp spots may be smoothed with emery cloth. If any of the above is noted, or if the equipment has been subjected to shock loads, fall loads, or abuse other than normal use, remove the equipment from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy it. The service life of equipment depends greatly on the type of use and the environment of use. Because these factors vary greatly, a precise service life of the equipment cannot be provided. Before/After Use - Verify that the gate and sleeve close and lock and function properly in every respect. The carabiner Keylock slot must not be blocked by foreign matter and the sleeve function must not be impaired by dirt, ice, corrosion, etc. Verify that the swivel top rotates normally & the axle screw has not loosened. Verify smooth rotation of the sheaves & security of the axle screw. Verify that the sideplate rotates normally & the button operates properly. The button must not be impaired by dirt, ice, corrosion, etc. Verify smooth rotation of the sheave and swivel.



## CARRYING, MAINTENANCE & STORAGE

Clean and dry this equipment after each use to remove any dust, debris and moisture. During use, carrying and storage keep the equipment away from acids, alkalis, rust and strong chemicals. Do not expose the equipment to flame or high temperatures. Store in a cool, dry location. Do not store where the equipment may be exposed to moist air, particularly where dissimilar metals are stored together.

## 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 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

## USES

**SWIVEL FUNCTION:** For orientation only. Not for high speed or multi-rotation:

1. Swivel swivels rotate freely. Swivel-type devices must NEVER be used with steel cable or wire rope unless the wire rope manufacturer verifies such use is approved and that the cable/rope will not unwind when used with a swivel.
2. Verify spring pin is in place and has not been removed.
3. Ensure swivel axle has not loosened by checking axle head with your fingers and making sure swivel top does not move up or down.

## MANDATORY CARABINER LOCKING PROCEDURE:

Serious accidents have resulted from unlocked carabiners. Dirt, ice, etc. can jam a sleeve. Never assume auto-lock carabiners lock on closing always confirm! You must understand how the sleeve works and know what it looks like when it is locked and unlocked. You must do the following every time you clip a locking carabiner:

1. Visually confirm the carabiner is locked.
2. Push in on the gate/sleeve to confirm by touch that it is locked.

Do not allow ropes or objects to rub or twist the sleeve because this could unlock it. Vibration can also unlock a sleeve. Regularly check that the carabiner is locked and positioned properly and always do so if items contact it or

anything unusual occurs. Sleeves must be locked to achieve full strength.

**MANDATORY PULLEY LOCKING PROCEDURE:** The sideplate must be closed and locked with the button fully extended, or strength will be greatly reduced and the rope may fall out with catastrophic results. See fig. 2. You must understand how the sideplate & locking button work & must faithfully do the following every time you use it:

1. Visually confirm the sideplate is fully closed and the locking button is fully extended.
2. Test the sideplate by attempting to rotate it to confirm by touch that it is locked.

Do not allow anything to contact the button in use. Regularly check that the sideplate is locked and the pulley is positioned properly. If the pulley cannot be kept in sight, use a conventional pulley.

**WARNINGS:** Strength - In a single pulley, half the load is on one side of the rope and half is on the other. The total load on the pulley is thus 2x the mass that is being raised or lowered. In a double pulley the total load is 4x the load on the 4 individual ropes. This is illustrated on the pulley. Breaking Strength & Working Load are based on this equal loading. If the sideplate is not fully locked by the button, the strength will be severely reduced, to about 10kN, but also, the rope may fall out. Pulleys must be free to align with the load, any restraint is dangerous.

**PRUSIK USE - CAUTION!** Prusiks must always have an experienced person tending them. Never allow a jammed Prusik to be pulled in between the sideplates. This can bend or break the pulley and allow the rope to fall out!

## BREAKAGE HAZARD

### DANGER! NEVER APPLY A BENDING FORCE!


Due to leverage, even a small amount of weight can cause catastrophic breakage. Never use when bending could occur! 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, allowing the rope to fall out. See fig. 1.

The Omni-Block SwivaBiner must only be used in a straight pull. It must NEVER be subjected to a bending force. Only loading shown in the figure with the checkmark is allowed. See fig. 3.



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