

- Friction will vary depending on rope size, type, and condition. Test with your rope in a safe manner to determine compatibility and the particular wrap(s) you will use. Remember that rope weight adds friction and will become less as you get closer to the end of the rope.

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. 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 product has a defect due to workmanship or materials, please contact 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. The equipment should not be modified in any way or altered to attach 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.

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.
Manual refers to multiple products.



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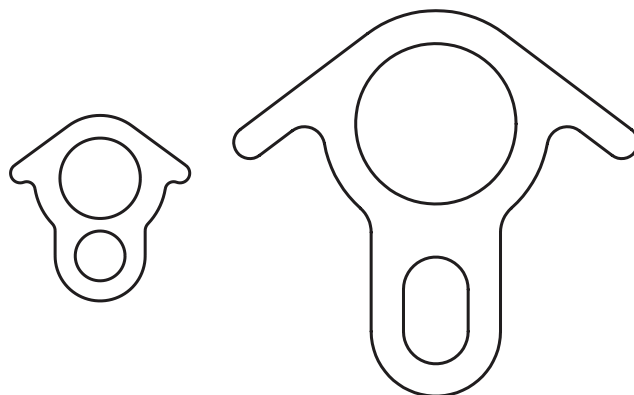
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CMC Control No.: 3008XX-01IN01_Rev01

 CMC™

FIGURE 8 DESCENDER



USA
MADE



MEETS THE DESCENT CONTROL DEVICE REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500.

300840-01, CMC RESCUE 8 (ALUMINUM)

- TECHNICAL USE (T) Ø 9.5MM - 13MM
- GENERAL USE (G) Ø 13MM

THIS DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING TESTS USING THE FOLLOWING ROPE:

TEUFELBERGER FIBER ROPE CORP, KMIII, CMC PART# K05120, 9.5MM AND CMC PART# K05160, 13MM

300850-01, CMC RESCUE 8 (STEEL)

- TECHNICAL USE (T) Ø 9.5MM - 13MM
- GENERAL USE (G) Ø 13MM

THIS DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING TESTS USING THE FOLLOWING ROPE:

TEUFELBERGER FIBER ROPE CORP, KMIII, CMC PART# K05120, 9.5MM AND CMC PART# K05160, 13MM

300845-01, CMC RAPPEL 8

- TECHNICAL USE (T), Ø 9.5MM - 11MM

THIS DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING TESTS USING THE FOLLOWING ROPE:

TEUFELBERGER FIBER ROPE CORP, KMIII, CMC PART# K05120, 9.5MM AND CMC PART# K05140, 11MM

300875-01, CMC SURVIVOR 8

- ESCAPE USE (E), Ø 8.5MM

THIS DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING TESTS USING THE FOLLOWING ROPE:

ESCAPE LINE, CMC PART # K05100, 8.5MM

(KMIII AND ESCAPE LINE USED FOR CERTIFICATION. FOR INFORMATION ON DEVICE PERFORMANCE WITH OTHER LIFE SAFETY ROPES, PLEASE CONTACT CMC)

⚠ 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.
- 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 Figure 8 Descenders are designed to specific performance criteria. Be aware of load limitations, manner used, and proper technique. Do not overload a Figure 8 Descender. If you are not sure of proper application or technique, seek proper training. See below for additional product-specific guidance.

- Monitor for wear. Dirty ropes can be very abrasive and quickly wear out a descender.
- Tying off can be completed using the side ears. Always use a backup.
- Do not rappel off the end of your rope. Use a stopper knot on the rope end to prevent this.
- Do not lose control of your rappel. Always grip and maintain control of the free end of the rope.
- Be aware that friction devices can get hot on long rappels and lowers, especially small devices.
- When using Prusik as a backup, make sure it will catch on the rope and prevent a fall. Do not inadvertently pull down the Prusik.
- Have a rescue plan in place to deal with any emergencies that could arise during use of the device. Be able to free yourself if you get stuck during the rappel.
- Must be free to align with the load, any restraint is dangerous. Do not allow any bending force on the device or it may break or break the connectors. Keep equipment properly positioned to avoid inward forces on carabiner gates.