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› DMM Belay Master Locking Carabiner Instruction Manual

DMM Belay Master

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1. INTRODUCTION

The DMM Belay Master is a specialized locking carabiner designed for belaying and rappelling in climbing and mountaineering. It features a unique nylon clip to ensure correct loading and a screwgate mechanism for secure locking. This manual provides essential information for safe and effective use of your DMM Belay Master carabiner.



Image 1: The DMM Belay Master Locking Carabiner. This image shows the overall design of the carabiner, including its D-shape, screwgate, and the distinctive nylon clip.

2. SAFETY INFORMATION

WARNING: Climbing and mountaineering are inherently dangerous activities that can result in serious injury or death. Proper training, judgment, and adherence to safety protocols are essential. This equipment must only be used by competent persons or under the direct supervision of a competent person.

- **Read and Understand:** Always read and understand all instructions and warnings provided with this product before use.
- **Inspection:** Inspect the carabiner thoroughly before each use for any signs of damage, wear, corrosion, or deformation. Pay close attention to the gate, hinge, and locking mechanism.
- **Proper Locking:** Always ensure the screwgate is fully closed and locked before loading the carabiner. The red indicator on the screwgate should not be visible.
- **Nylon Clip:** The integrated nylon clip is designed to prevent cross-loading and maintain optimal orientation. Ensure it is correctly engaged with your belay loop or device.
- **Compatibility:** Ensure the carabiner is compatible with all other components of your climbing system.
- **Retirement:** Retire the carabiner immediately if it shows any signs of damage, excessive wear, or if

there is any doubt about its integrity.

- **Training:** Seek professional instruction for proper climbing and belaying techniques.

3. SETUP

1. **Unpack:** Carefully remove the DMM Belay Master carabiner from its packaging.
2. **Initial Inspection:** Perform an initial visual inspection to ensure there is no shipping damage.
3. **Familiarization:** Familiarize yourself with the screwgate mechanism. Practice opening and closing it to ensure smooth operation and full locking. The screwgate should turn freely and close completely without binding.
4. **Nylon Clip Check:** Verify that the nylon clip is intact and moves freely to allow attachment to your belay loop or device.

4. OPERATING INSTRUCTIONS

4.1. Belaying

1. **Attach to Harness/Device:** Connect the DMM Belay Master to your belay loop on your harness or directly to your belay device, depending on the device's design.
2. **Engage Nylon Clip:** Ensure the nylon clip is properly engaged around your belay loop or device. This feature helps prevent the carabiner from rotating and becoming cross-loaded, ensuring the load is always on the major axis.
3. **Rope Threading:** Thread the climbing rope through your belay device and the carabiner according to the specific instructions for your belay device.
4. **Lock the Gate:** Close the screwgate completely by turning it until it is fully tightened. Visually confirm that the red indicator is no longer visible, signifying a secure lock.
5. **Final Check:** Before belaying, always perform a thorough safety check of your entire system, including the locked carabiner, rope, and harness connections.

4.2. Rappelling

1. **Connect to Device:** Attach the DMM Belay Master to your rappel device and harness, ensuring the nylon clip is engaged for optimal orientation.
2. **Rope Threading:** Thread the rappel rope through your device and the carabiner as per your rappel device's instructions.
3. **Lock the Gate:** Close the screwgate completely and ensure it is fully locked.
4. **Safety Check:** Conduct a comprehensive safety check of your rappel system before initiating the descent.

5. MAINTENANCE

- **Cleaning:** Clean the carabiner with fresh water and a mild soap solution if it becomes dirty or exposed to saltwater. Rinse thoroughly with fresh water and allow it to air dry completely in a cool, shaded area. Do not use harsh chemicals or solvents.
- **Lubrication:** If the screwgate becomes stiff, clean the threads and apply a very small amount of silicone-based lubricant. Ensure no lubricant comes into contact with the rope-bearing surfaces.
- **Storage:** Store the carabiner in a dry, cool, and well-ventilated place, away from direct sunlight, corrosive substances, extreme temperatures, and sharp objects.

- **Service Life:** The service life of climbing equipment is highly dependent on usage, care, and environmental factors. Even if unused, materials can degrade over time. Always refer to the manufacturer's guidelines for recommended retirement criteria.

6. TROUBLESHOOTING

- **Screwgate Stiff/Gritty:** This is often caused by dirt or debris in the threads. Clean the screwgate thoroughly with fresh water and a small brush. If necessary, apply a minimal amount of silicone lubricant.
- **Nylon Clip Damaged:** If the nylon clip is damaged or broken, the carabiner can still be used as a standard locking carabiner, but its anti-cross-loading feature will be compromised. Consider replacing the carabiner for full functionality.
- **Visible Wear/Damage:** Any visible cracks, deep scratches, deformation, or significant wear (e.g., grooves from rope friction) indicate that the carabiner should be immediately retired and replaced.

7. SPECIFICATIONS

Material	Aluminum
Item Weight	93 Grams
Shape	D-Shape
Lock Type	Screw Lock
Minor Axis Strength	16 kN (Kilonewtons)
Color	Matt Grey
Included Components	DMM Belay Master Carabiner

8. WARRANTY AND SUPPORT

For specific warranty information regarding your DMM Belay Master carabiner, please refer to the warranty documentation provided at the time of purchase or visit the official DMM website. For technical support, product inquiries, or to report any issues, please contact DMM customer service directly. Retain your proof of purchase for any warranty claims.