

## Manfrotto 244

# Manfrotto 244 Variable Friction Arm with Bracket Instruction Manual

Brand: Manfrotto | Model: 244

## 1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Manfrotto 244 Variable Friction Arm with Camera Bracket. Designed for photographers and videographers, this versatile arm offers precise positioning and secure support for various equipment. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

## 2. PRODUCT OVERVIEW

The Manfrotto 244 Variable Friction Arm is a robust and flexible mounting solution. It features a large central locking knob that controls the variable friction and locking of all three articulated joints simultaneously. This allows for quick and secure adjustments to your desired position.



Figure 2.1: The Manfrotto 244 Variable Friction Arm with Camera Bracket. This image displays the full assembly of the friction arm, highlighting its three articulated joints and the central locking knob.

The arm comes complete with a Camera/Umbrella Bracket (model 143BKT), which provides a secure mounting point for cameras, lights, or other accessories. Its durable aluminum construction ensures reliability while maintaining a manageable weight.



Figure 2.2: Close-up view of the Manfrotto 143BKT Camera/Umbrella Bracket. This bracket is designed to securely hold cameras or umbrellas, featuring a mounting screw and a textured surface for grip.

### 3. SETUP

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Follow these steps to set up your Manfrotto 244 Variable Friction Arm:

1. **Attach the Arm:** Secure the base of the friction arm to a compatible clamp or mounting point. Ensure the connection is tight and stable.
2. **Attach the Camera/Umbrella Bracket:** The 143BKT bracket typically attaches to one end of the friction arm via a standard attachment type (e.g., type 17). Twist the bracket onto the arm's stud until it is firmly seated.
3. **Mount Your Equipment:** Use the mounting screw on the 143BKT bracket to attach your camera, umbrella, or other accessory. Ensure the equipment is securely fastened to prevent accidental drops.
4. **Adjust Initial Position:** Loosen the large central locking knob slightly to allow the arm's joints to move. Position your equipment roughly where you need it.
5. **Secure the Position:** Once the desired position is achieved, firmly tighten the central locking knob. This will lock all three joints simultaneously, securing your equipment in place.

### 4. OPERATING INSTRUCTIONS

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The Manfrotto 244 arm is designed for intuitive operation:

- **Adjusting the Arm:** To reposition your equipment, gently turn the large central locking knob counter-clockwise to loosen the joints. Adjust the arm to the new desired angle and height.
- **Locking the Arm:** Once the equipment is in the correct position, turn the central locking knob clockwise until all joints are firmly locked. Ensure there is no movement or sag before releasing your grip on the equipment.
- **Load Capacity:** The arm has a maximum load capacity of 6.61 lbs (3 kg). Do not exceed this weight limit to prevent damage to the arm or your equipment.

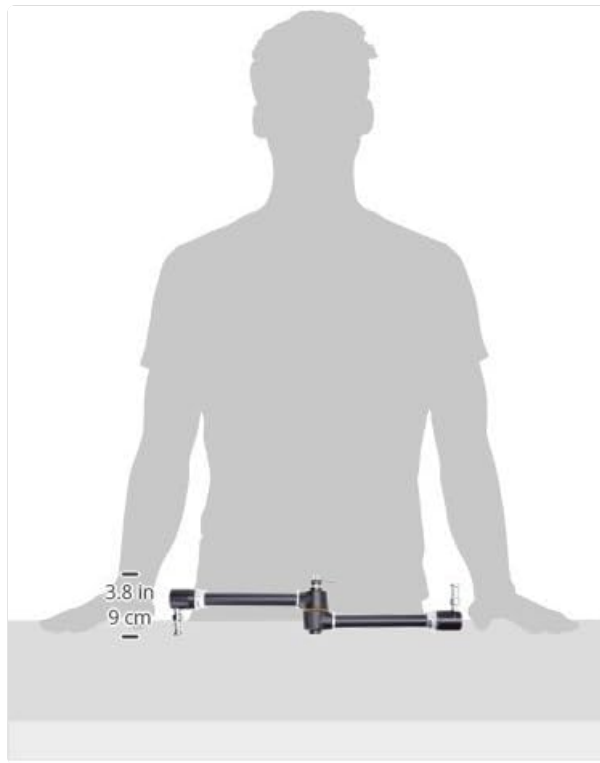


Figure 4.1: Manfrotto 244 Variable Friction Arm shown with approximate dimensions. This image provides a visual reference for the arm's length and scale, indicating its extended reach.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your Manfrotto 244 Variable Friction Arm, follow these maintenance guidelines:

- **Cleaning:** Wipe the arm with a soft, dry cloth after each use to remove dust and debris. For stubborn dirt, use a slightly damp cloth and mild soap, then dry thoroughly. Avoid abrasive cleaners or solvents.
- **Lubrication:** The internal friction mechanism is designed for long-term performance and generally does not require user lubrication. If you notice any stiffness or unusual operation, contact Manfrotto support.
- **Storage:** Store the arm in a clean, dry environment, away from extreme temperatures and humidity. When not in use, it is recommended to loosen the central knob slightly to relieve pressure on the internal components.
- **Inspection:** Periodically inspect all joints, knobs, and attachment points for any signs of wear, damage, or looseness. Address any issues promptly to prevent equipment failure.

## 6. TROUBLESHOOTING

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If you encounter issues with your Manfrotto 244 Variable Friction Arm, consider the following:

- **Arm Not Holding Position:**
  - Ensure the central locking knob is fully tightened.
  - Verify that the weight of your equipment does not exceed the maximum load capacity of 6.61 lbs (3 kg).
  - Check if the mounting points (e.g., clamp, bracket) are securely fastened to both the arm and your support surface.
- **Stiff or Difficult Adjustment:**

- Ensure the central locking knob is sufficiently loosened.
- Clean any accumulated dirt or debris from the joints and knob mechanism.

If problems persist after attempting these solutions, please contact Manfrotto customer support for further assistance.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	244
Brand	Manfrotto
Arm Length	20.87 inches (53 cm)
Arm Tube Diameters	20mm
Load Capacity	6.61 lbs (3 kg)
Material	Aluminum
Color	Black
Product Dimensions	10.83 x 3.15 x 3.46 inches
Item Weight	2.4 pounds
Attachment Type 1	Type 17
Attachment Type 2	Type 17

## 8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and customer support, please visit the official Manfrotto website or contact their customer service department. Keep your proof of purchase for warranty claims.