

## SMALLRIG 5310

# SMALLRIG 7 Inch Magic Arm with Crab-Shaped Clamp

MODEL: 5310

## Product Overview

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The SMALLRIG 7 Inch Magic Arm with Crab-Shaped Clamp (Model 5310) is a versatile mounting solution designed for photographers, videographers, and content creators. It features a robust articulating arm with a crab-shaped clamp on one end and a 1/4"-20 screw with anti-twist retractable pins on the other. This design allows for secure and flexible positioning of various accessories such as action cameras, monitors, video lights, and microphones in diverse shooting environments.



Image: The SMALLRIG 7 Inch Magic Arm with Crab-Shaped Clamp, showcasing its articulating design and dual attachment points.

## Package Contents

- Knurled Magic Arm x 1
- Crab-Shaped Clamp x 1
- Allen Wrench x 1

# Package

Knurled Magic Arm × 1  
Crab-Shaped Clamp × 1  
Allen Wrench × 1



## Specifications

### Product Dimensions

134.0 × 134.0 × 25.0mm  
5.3 × 5.3 × 1.0in

### Package Dimensions

131.0 × 122.5 × 50.0mm  
5.2 × 4.8 × 2.0in

### Net Weight

322.0 ± 5.0g  
11.4 ± 0.2oz

### Package Weight

391.0 ± 5.0g / 13.8 ± 0.2oz

### Material(s)

Aluminum Alloy

Image: All components included in the package: the knurled magic arm, crab-shaped clamp, and an Allen wrench.

## Setup and Assembly

### 1. Attaching the Magic Arm

The magic arm features a 1/4"-20 screw with retractable anti-twist pins on one end. To attach your device (e.g., action camera, monitor, light):

1. Align the 1/4"-20 screw with the mounting hole on your device.
2. If your device has anti-twist holes, ensure the retractable pins align with them. The pins will retract if not needed.
3. Tighten the knurled thumbscrew clockwise until your device is securely fastened. For additional security, use the included Allen wrench in the securing hole to further tighten.

# Industrial-Grade Anti-Drop Stability

## Dual Locking Mechanism

Manual Knurled Thumbscrew  
Wrench Reinforcement Hole  
(Allen Wrench Included)

Anti-Twist Retractable Pins

Universal 1/4"-20 Screw

Image: Close-up view of the 1/4"-20 screw with retractable anti-twist pins, ensuring stable mounting for compatible devices.

## 2. Adjusting the Crab Clamp

The crab-shaped clamp is designed for quick and secure attachment to various surfaces:

1. Identify the surface you wish to clamp to (e.g., tube, table, tripod leg). The clamp accommodates diameters from 15 to 40 mm (0.6 to 1.6 inches).
2. Loosen the T-handle screw on the crab clamp to open its jaws.
3. Position the clamp around the desired surface. The built-in anti-slip pads will protect your equipment and enhance stability.
4. Tighten the T-handle screw firmly until the clamp is secure.

# Adjustable Clamp

Clamping Range  
**15-40mm**  
(0.6-1.6in)



Clamp to flat surfaces



Clamp to rounded objects



Non-Slip  
Protective Pads

Image: The adjustable crab clamp, showing its clamping range and non-slip protective pads for secure attachment to various surfaces.

## Operating Instructions

### 1. 360° Ball Head Adjustment

The magic arm features a central wingnut that controls the articulation of both ball joints. This allows for smooth 360° rotation and precise device repositioning:

1. To adjust the angle, loosen the central wingnut. This will allow the ball joints to move freely.
2. Position your device to the desired angle and orientation.
3. Tighten the central wingnut firmly to lock the ball joints in place, ensuring your setup remains stable.



# 360° Ball Head

Smooth 360° rotation for perfect angles & secure device reposition



Image: Illustration of the 360° ball head, demonstrating its full range of motion for achieving perfect angles and secure device repositioning.

## 2. Versatile Mounting Options

The combination of the magic arm and crab clamp provides extensive mounting possibilities:

- **Tables & Desks:** Securely clamp to the edge of tables or desks for stable camera or monitor setups.
- **Tubes & Poles:** Attach to various tubes, poles, or railings, ideal for mounting lights or action cameras in unique positions.
- **Tripod Legs:** Expand the functionality of your tripod by clamping accessories directly to its legs.
- **Stabilizer Handheld Rings:** Integrate additional accessories onto your camera stabilizer for enhanced functionality.

# Discover New Angles

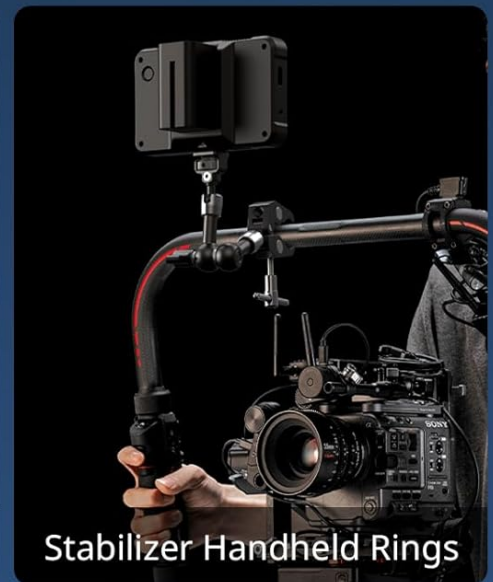
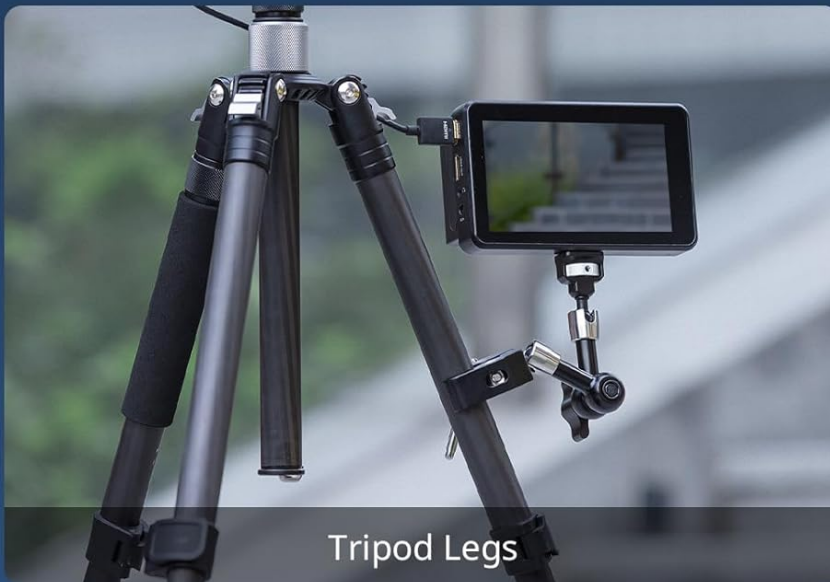
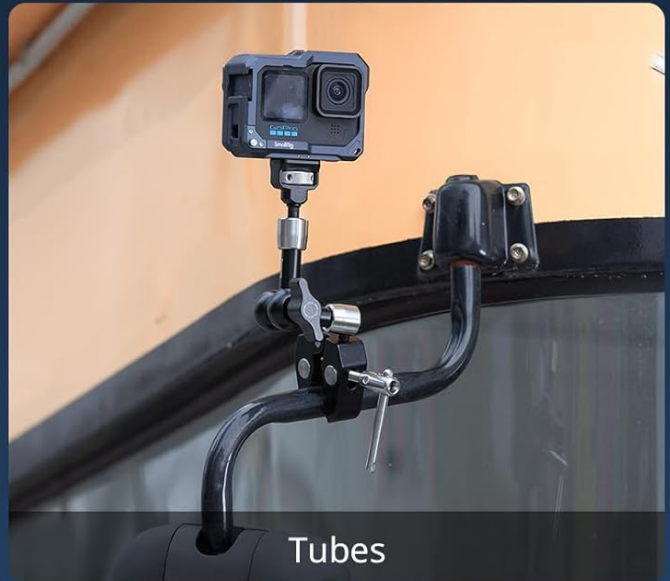


Image: Examples of the magic arm and crab clamp in use, demonstrating its adaptability for mounting on tables, tubes, tripod legs, and stabilizer handheld rings.

## Maintenance

- **Cleaning:** Wipe the product with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the magic arm and clamp in a dry, cool place away from direct sunlight and extreme temperatures.
- **Lubrication:** Periodically check the moving parts. If articulation becomes stiff, a small amount of silicone-based lubricant can be applied to the ball joints.
- **Inspection:** Regularly inspect all screws and connections to ensure they are tight and secure before each use.

## Troubleshooting

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Device twists or rotates after tightening.	Insufficient tightening of the thumbscrew; anti-twist pins not engaged.	Ensure the thumbscrew is fully tightened. If your device has anti-twist holes, verify the pins are properly seated. Use the Allen wrench for maximum tightness.
Clamp slips on surface.	Clamp not tightened enough; surface is too smooth or outside clamping range.	Tighten the T-handle screw firmly. Ensure the surface is within the 15-40mm diameter range. Clean the anti-slip pads if they are dirty.
Magic arm articulation is stiff.	Lack of lubrication; dust/debris in joints.	Clean the joints and apply a small amount of silicone-based lubricant.
Maximum payload exceeded.	Device is too heavy for the arm.	Ensure the total weight of the mounted device does not exceed 1.5kg (3.3lb).

## Product Specifications

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# Rugged and Reliable



Maximum Payload  
**1.5kg (3.3lb)**

- Aerospace-Grade Aluminum Alloy: **30%** lighter, **50%** stronger
- Sturdy Stainless Steel: Highly corrosion-resistant, significantly **extending the lifespan**
- **CNC**-Machined Precision: Tighter tolerances

Image: The magic arm highlighting its robust construction from aerospace-grade aluminum alloy and sturdy stainless steel, with a maximum payload of 1.5kg (3.3lb).

Feature	Detail
Product Dimensions	5.28 x 5.28 x 0.98 inches (134.0 x 134.0 x 25.0 mm)
Item Weight	11.4 ounces (322 Grams)
Material(s)	Aluminum Alloy, Stainless Steel
Maximum Weight Recommendation	1.5 Kilograms (3.3 lbs)
Crab Clamp Clamping Range	15-40 mm (0.6-1.6 inches)
Mounting Points	1/4"-20 screw with retractable anti-twist pins, 3/8" hole on clamp
Color	Black



Image: Technical drawing showing the detailed dimensions of the SMALLRIG Magic Arm and its components.

## Warranty and Support

SMALLRIG products are designed for durability and performance. For specific warranty details and support inquiries, please refer to the official SMALLRIG website or contact their customer service directly. Keep your purchase receipt for warranty claims.

- **Online Support:** Visit the official SMALLRIG website for FAQs, product registration, and support resources.
- **Customer Service:** Contact SMALLRIG customer service for technical assistance or warranty service.