

## BUCKLOS 700553A7

# BUCKLOS MTB Hydraulic Disc Brake Set (Model 700553A7) - Instruction Manual

For Mountain Bikes, E-Bikes, and Fat Bikes

## 1. INTRODUCTION

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Thank you for choosing the BUCKLOS MTB Hydraulic Disc Brake Set. This manual provides essential information for the proper installation, operation, and maintenance of your hydraulic disc brakes. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

## 2. PRODUCT FEATURES

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- **Massive Stopping Power:** This hydraulic brake system offers superior stopping power compared to mechanical disc brakes, allowing for effective braking with minimal effort. Ideal for various terrains including trails, downhill, snow, and urban environments.
- **Easy Installation:** The brake set comes pre-bled with mineral oil, simplifying the installation process.
- **Wide Compatibility:** The Zoom HB-875 hydraulic brake caliper features a dual-piston design and is compatible with 160mm rotors. It fits most bicycles, including electric bikes (e-bikes), scooters, folding bikes, fat bikes, and BMX bikes.
- **Quiet Braking:** Equipped with resin-metal composite brake pads, these brakes are designed to protect your rotors and provide quiet operation during cycling.
- **Standard Brake Direction:** The system uses a left-front/right-back braking configuration, which is standard for many users. The front cable length is 800mm, and the rear cable length is 1450mm.

## 3. SETUP AND INSTALLATION

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The BUCKLOS MTB Hydraulic Disc Brake Set is pre-bled with mineral oil for convenience. Ensure the hose length is appropriate for your bicycle frame. If using 180mm or 203mm rotors, replacement adapters may be required (not

included).

### 3.1 Brake Lever Installation

Install the brake lever onto your handlebar. Loosen the mounting screw, position the lever, and then adjust the angle for comfortable reach before tightening the screw securely.



Image: BUCKLOS Hydraulic Brake Lever with key features labeled.

# RESIN BRAKE PAD

## Resin fiber + copper wire



Formula adopts high-quality copper element, high purity, processed by special art, unshaped fiber, low hardness, and wear resistance.

## Quiet braking, no noise



Anti-noise formula added to ensure that the disc brake rotor is protected while reducing noise

## Anti-tear formula



Add self-developed anti-tear material to make the material tear-resistant, fire-proof and heat-dissipate



## Original Brake Pad

## Protective Plate

Image: Detailed view of the brake lever, showing the stroke adjustment screw and integrated cylinder design.

## 3.2 Caliper Installation

Mount the brake caliper to the A/B pillar of your bike frame. Ensure proper alignment with the rotor to prevent rubbing. The dual-piston design provides balanced braking force.

# ALUMINUM ALLOY BRAKE CALIPERS

SOLID, DURABLE, NO RUST, MADE OF MATERIALS, BRAKES QUICKLY, RESET IN TIME

**THICKENED ANTI-WEAR OIL PIPE**



**HIGH-STRENGTH SPECIAL  
BRAKE HOSE, DURABLE**



Image: BUCKLOS Brake Caliper with dimensions and oil pipe detail.

## EASY TO INSTALL



We already pre-bled mineral oil for you, you can unboxing ready to install or replacement.



Compatible with 160mm rotors. If using 180mm and 203mm rotors, please replace the adapter.

Notice: During installation, do not remove the yellow protective plate and press the brake lever, otherwise oil leakage may occur

Image: Installation steps for the brake lever and caliper, highlighting the pre-bled system.

### Important Note:

During installation, do not remove the yellow protective plate and avoid pressing the brake lever before the caliper is properly mounted and aligned with the rotor. Failure to do so may result in oil leakage.

## 3.3 Visual Installation Guide

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Video: A visual guide demonstrating the installation process for BUCKLOS hydraulic disc brakes, including mounting the lever and caliper.

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Video: An overview of the BUCKLOS HB-875 Hydraulic Brakes Set, showcasing its features and installation steps.

## 4. OPERATING INSTRUCTIONS

The BUCKLOS hydraulic disc brakes are designed for intuitive operation. Apply pressure to the brake levers with two fingers for effective stopping. The system is configured with the left lever controlling the front brake and the right lever controlling the rear brake.

# DUAL PISTON BRAKE

Stopping Power Increased More Than **30%**

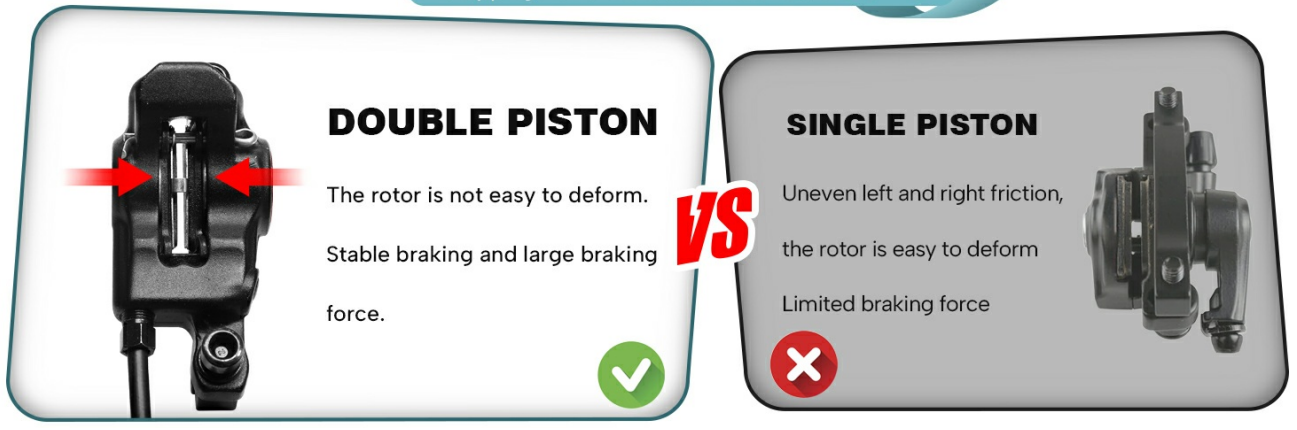


Image: Dual Piston Brake vs. Single Piston Brake, illustrating enhanced stopping power.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and performance of your BUCKLOS hydraulic disc brakes.

- **Brake Pad Inspection:** Periodically check the resin-metal composite brake pads for wear. Replace them when they reach their wear limit to maintain optimal braking performance and prevent damage to the rotor.
- **Rotor Cleaning:** Keep rotors clean and free from oil or grease. Contaminants can reduce braking efficiency and cause noise.
- **Fluid Check:** While the system is pre-bled, if you notice a spongy feel or reduced braking power, the system may require bleeding or fluid replacement by a qualified technician.

### RESIN BRAKE PAD

Thickness: 4 mm / 0.157in

34.32mm/1.35in

26.88mm/1.06in

The diagram shows the brake pad's dimensions and its installation on a caliper. It highlights three key features: 'RESIN FIBER + COPPER WIRE' (high-quality copper element, high purity, processed by special art, unshaped fiber, low hardness, and wear resistance), 'QUIET BRAKING, NO NOISE' (anti-noise formula to protect the disc brake rotor while reducing noise), and 'ANTI-TEAR FORMULA' (self-developed anti-tear material to make the material tear-resistant, fire-proof, and heat-dissipate). Two radar charts compare the 'LOW END BRAKE PADS' and 'BUCKLOS HB875 BRAKE PAD' across five metrics: Linear, Braking force, Durability, Anti-attenuation, and Low noise. The BUCKLOS pad shows superior performance in all categories.

**ORIGINAL BRAKE PAD**

**PROTECTIVE PLATE**

**LOW END BRAKE PADS**

**BUCKLOS HB875 BRAKE PAD**

Image: BUCKLOS Resin Brake Pad features and composition.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your hydraulic disc brakes.

- **Brakes feel spongy or weak:** This often indicates air in the hydraulic system or low brake fluid. The system may need to be bled by a professional.
- **Brakes are noisy:** Noise can be caused by contaminated brake pads or rotors, misaligned calipers, or worn

pads. Clean the rotors and pads, check caliper alignment, and replace pads if worn.

- **Rotor rubbing:** Ensure the caliper is correctly aligned with the rotor. Loosen the caliper mounting bolts slightly, squeeze the brake lever, and retighten the bolts while holding the lever to center the caliper.
- **Brake lever feels stiff:** Check for obstructions in the lever mechanism or issues with the hydraulic line.

If you are unable to resolve an issue, please consult a professional bicycle mechanic.

## 7. SPECIFICATIONS

Feature	Specification
Brand	BUCKLOS
Model Number	700553A7
Material	6061 aluminum alloy, T6 quenching, Resin
Color	Front+Rear-Black
Front Cable Length	800mm / 31.5 inches
Rear Cable Length	1450mm / 57.09 inches
Front Brake Weight	311.7 g
Rear Brake Weight	290.8 g
Handle Type	Lever
Handle Material	Aluminum, Resin
Caliper Type	Dual Piston
Rotor Compatibility	160mm (compatible with 180mm/203mm with adapters)
Included Components	Screws

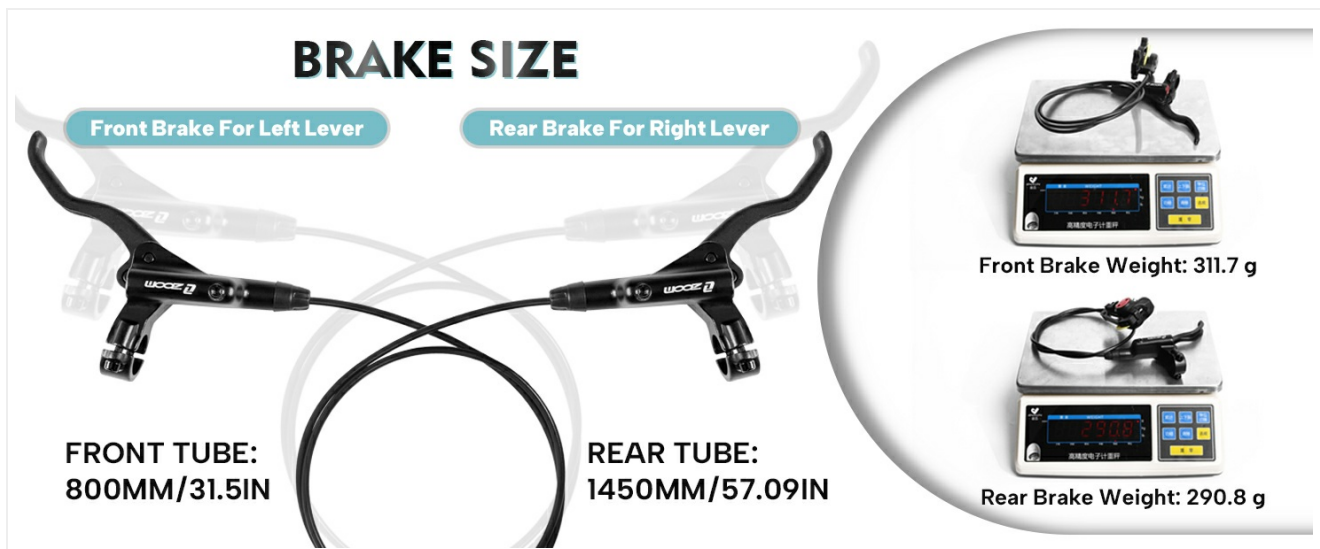


Image: Brake size and weight specifications.

## 8. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the product packaging or contact BUCKLOS customer service directly. Keep your purchase receipt for any warranty claims.