

CXWXC CX-P009

CXWXC Suspension Seatpost User Manual

Models: 27.2mm, 30.9mm, 31.6mm x 400mm

1. PRODUCT OVERVIEW

The CXWXC Suspension Seatpost is designed to enhance riding comfort by absorbing shocks and vibrations from various terrains. It features an adjustable coil spring mechanism to provide dampening, making it suitable for touring, bikepacking, and general cycling on uneven surfaces.

This seatpost is constructed from durable 6061 aluminum using a CNC integrated process, ensuring precision and longevity. It offers 45mm of suspension travel and allows for saddle angle adjustment to optimize rider comfort.



Image 1.1: Exploded view showing the main components of the suspension seatpost, including the 6061 aluminum body, built-in coil spring, ABS nylon gasket sleeve, seal rubber ring, and adjustable nut.

2. KEY FEATURES

- **Enhanced Comfort:** Absorbs small bumps and vibrations, reducing rider fatigue on varied terrains.
- **Adjustable Suspension:** Features a coiled metal spring with 45mm travel, adjustable to rider weight for optimal dampening.
- **Durable Construction:** Made from lightweight and strong 6061 aluminum, precision-machined for high quality.
- **Saddle Angle Adjustment:** Seat clamp angle is adjustable from -5° to $+18^{\circ}$ for personalized riding posture.
- **Wide Compatibility:** Available in 27.2mm, 30.9mm, and 31.6mm diameters, suitable for most road bikes, mountain bikes, gravel bikes, and e-bikes.
- **Weight Capacity:** Designed for riders weighing between 50kg (110lbs) and 135kg (297lbs).

3. SPECIFICATIONS

Specification	Detail
Material	6061 Aluminum
Total Length	400mm
Suspension Travel	45mm
Available Diameters	27.2mm, 30.9mm, 31.6mm
Saddle Clamp Angle	Adjustable from -5° to +18°
Recommended Rider Weight	50kg (110lbs) to 135kg (297lbs)
Approximate Weight	500g (0.63 Kilograms)
Color	Black

4. SETUP AND INSTALLATION

4.1 Choosing the Correct Size

Before installation, it is crucial to select the correct seatpost diameter for your bicycle frame. Measure the inside diameter of your bike frame's seat tube or check the diameter of your original seatpost.

HOW TO CHOOSE THE SIZE

1. Check the diameter of the original seatpost, or Measure the diameter of the original seatpost.

Choose the same size as your original one.



2. Measure the inside diameter of the frame tube.

Choose the right size

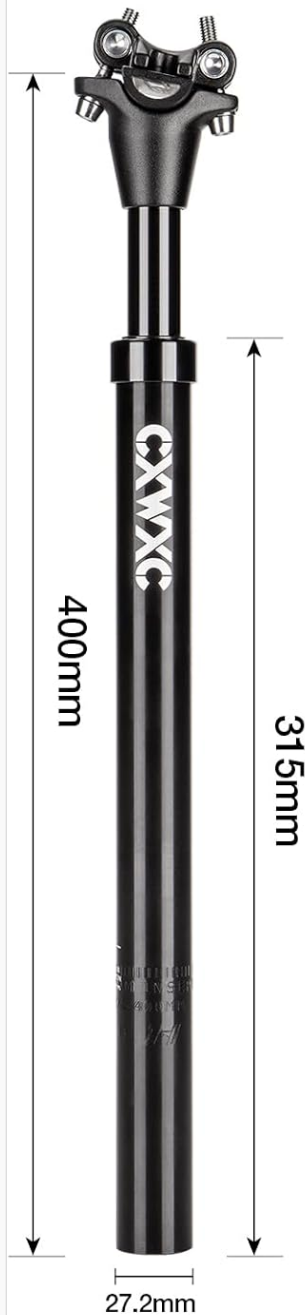


Image 4.1: Visual guide for measuring the diameter of your existing seatpost or the inside diameter of your bike frame's seat tube using a caliper or ruler.

4.2 Seatpost Installation

1. Remove your existing seatpost and saddle from the bicycle frame.
2. Attach your bicycle saddle to the CXWXC Suspension Seatpost using the double track with 2 bolts clamping mechanism. Ensure the bolts are securely tightened.
3. Insert the CXWXC Suspension Seatpost into your bike frame's seat tube.
4. **Important:** Ensure that the part of the seatpost under the minimum insertion safety line is completely inserted into the seat tube of the frame. This is critical for safe operation and to prevent damage to the frame or seatpost.
5. Adjust the seatpost height to your preferred riding position and secure it using your bike's seatpost clamp.

PRODUCT SIZE AND INSTALLTION



The seat tube has a height-adjusting ruler please ensure that the part under the installation safety line is completely inserted into the seat tube of the frame to ensure safe



Image 4.2: Illustration demonstrating the importance of inserting the seatpost past the safety line for secure and safe installation.

4.3 Saddle Angle Adjustment

The saddle angle can be adjusted from -5° to $+18^{\circ}$ to improve riding comfort. Loosen the two bolts on the saddle clamp, adjust the saddle to the desired angle, and then securely tighten the bolts.



The diagram illustrates the saddle and seatpost assembly. The saddle is shown in a neutral position, with a curved arrow indicating its adjustable range from -5° to +18°. The seatpost is labeled with 'CXMXC' and features a 45mm travel range, indicated by a vertical double-headed arrow. A circular callout specifies a maximum weight of 297 lbs. The seatpost is mounted on a black frame, and the saddle is secured with two bolts.

Double track with 2 Bolts

The saddle angle can be change as needed to improve riding comfort

Adjustable from -5° to +18°

45mm Travel

Maximum weight
297LBS

Image 4.3: Visual representation of the saddle angle adjustment range and the 45mm suspension travel of the seatpost. Also indicates the maximum rider weight of 297 lbs.

5. OPERATING INSTRUCTIONS

5.1 Spring Tension Adjustment

The suspension seatpost features an adjustable coil spring to customize the dampening based on rider weight. The adjustment nut is located at the bottom of the seatpost.

- To adjust, use an appropriate hex key to turn the bottom nut.
- For heavier riders, tighten the bottom nut clockwise to increase spring tension.
- For lighter riders, loosen the bottom nut counter-clockwise to decrease spring tension.

Adjust the tension until the spring compresses just enough under your weight, preventing excessive movement during pedaling on smooth roads while still absorbing bumps effectively. Proper adjustment ensures maximum comfort and performance.

SPRING TENSION ADJUSTMENT



- 🔄 For heavier riders, tighten the bottom nut Clockwise
- 🔄 For lighter riders, loosen it Counterclockwise

Image 5.1: Detailed view of the spring tension adjustment mechanism at the base of the seatpost, showing the hex key slot and 'LOOSE'/'TIGHT' indicators.

6. MAINTENANCE

- **Regular Cleaning:** Keep the seatpost clean, especially the exposed shaft, to prevent dirt and grime from entering the suspension mechanism. Wipe with a damp cloth and mild soap.
- **Lubrication:** Periodically apply a small amount of bicycle-specific grease or lubricant to the exposed shaft and around the seal rubber ring to ensure smooth operation and protect against dust and moisture.
- **Bolt Check:** Regularly inspect and tighten the saddle clamp bolts and any other fasteners to ensure they are secure. Loose bolts can lead to saddle instability or detachment.
- **Inspection:** Check for any signs of wear, damage, or unusual play in the seatpost. If any issues are detected, consult a professional bicycle mechanic.
- **Avoid Disassembly:** Do not attempt to disassemble the internal suspension mechanism unless you are a qualified technician, as this may void the warranty and could lead to improper function.

7. TROUBLESHOOTING

- **Saddle Twisting/Wobbling:** This often indicates that the saddle clamp bolts are not sufficiently tightened. Ensure both bolts are tightened securely and evenly.
- **Seatpost Not Absorbing Shocks:** Check the spring tension adjustment. If it's too tight for your weight, loosen the bottom nut counter-clockwise.
- **Seatpost Too Bouncy/Bottoming Out:** This suggests the spring tension is too loose for your weight. Tighten the bottom nut clockwise to increase tension.
- **Seatpost Not Returning to Full Height:** This could be due to internal friction from dirt or lack of lubrication, or a binding issue within the mechanism. Clean and lubricate the exposed shaft. If the problem persists, professional inspection may be required.
- **Creaking Noises:** Ensure all bolts are tight. Clean and lightly grease the saddle rails and the seatpost clamp area. Check if the seatpost is adequately lubricated.
- **Difficulty Adjusting Saddle Angle:** Loosen the two saddle clamp bolts sufficiently before attempting to adjust the angle. Ensure no dirt is obstructing the mechanism.

8. WARRANTY INFORMATION

The CXWXC Suspension Seatpost comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, neglect, accidents, modifications, or normal wear and tear.

To make a warranty claim, please retain your proof of purchase and contact the retailer or manufacturer's customer service.

9. SUPPORT

For further assistance, technical support, or inquiries regarding your CXWXC Suspension Seatpost, please refer to the following resources:

- **Retailer:** Contact the store or online vendor where you purchased the product.
- **Manufacturer Website:** Visit the official CXWXC website for product information and support contacts.
- **Professional Bicycle Mechanic:** For complex installation or repair issues, it is recommended to consult a certified bicycle mechanic.

© 2026 CXWXC. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question