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**Abloy PL 321**

# Abloy Protec2 PL 321 Padlock Instruction Manual

## 1. INTRODUCTION

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The Abloy Protec2 PL 321 Padlock is a high-security, Grade 2 padlock designed for various applications requiring reliable security. It features a durable brass body and a robust stainless steel shackle. This manual provides essential information for the proper use and care of your Abloy Protec2 PL 321 Padlock.



Image 1.1: Abloy Protec2 PL 321 Padlock. This image displays the padlock from a front-side angle, showing its brass body and stainless steel shackle. The Abloy logo is visible on the front, and the model number '321' is etched on the side of the body.

### Key Features:

- **Secure Locking Mechanism:** Utilizes a high-security key locking system for enhanced protection.
- **Single Piece Construction:** The lock body is constructed from durable brass, offering robust resistance.
- **Stainless Steel Shackle:** Provides strong resistance against cutting and prying attempts.

- **Compact Design:** Suitable for a wide range of uses including luggage, laptop bags, and backpacks.

## 2. SETUP AND FIRST USE

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The Abloy Protec2 PL 321 Padlock is ready for use directly out of the packaging. No assembly is required. Familiarize yourself with the key and the keyway before initial operation.



Image 2.1: Abloy Protec2 Key. This image shows the unique design of the Abloy Protec2 key, characterized by its flat, symmetrical blade with multiple disc-like cuts and a distinctive red dot on the key bow, indicating the Protec2 system.

### Key Insertion:

1. Hold the key with the Abloy logo facing upwards.
2. Insert the key into the keyway at a slight angle, as the Abloy Protec2 system uses a unique rotating disc mechanism. Do not force the key.
3. Once fully inserted, the key should turn smoothly.

## 3. OPERATING INSTRUCTIONS

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### To Unlock the Padlock:

1. Insert the key into the keyway as described in the "Setup and First Use" section.
2. Turn the key clockwise approximately 90 degrees. You will feel a slight resistance as the internal discs align.
3. With the key turned, the shackle will spring open.
4. Remove the key.

### To Lock the Padlock:

1. Close the shackle by pushing it firmly into the padlock body until it clicks into place.
2. Insert the key into the keyway.
3. Turn the key counter-clockwise approximately 90 degrees until it stops.
4. Remove the key. The key cannot be removed unless the padlock is fully locked and the shackle is secured.
5. Test the shackle to ensure it is securely locked.

## 4. MAINTENANCE

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Proper maintenance ensures the longevity and reliable operation of your Abloy Protec2 PL 321 Padlock.

- **Cleaning:** Periodically wipe the padlock body and shackle with a soft, dry cloth to remove dirt and grime. Avoid abrasive cleaners or solvents.
- **Lubrication:** For optimal performance, especially in dusty or harsh environments, apply a small amount of a non-greasy, non-silicone-based lubricant specifically designed for disc detainer locks into the keyway once or twice a year. Do not use oil-based lubricants as they can attract dirt and clog the mechanism.
- **Key Care:** Keep your keys clean and free from debris. Avoid using keys for purposes other than operating the lock, as this can bend or damage them.

## 5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Key does not insert smoothly.	Incorrect key orientation or debris in keyway.	Ensure the key is inserted at the correct angle. Check for and remove any visible debris from the keyway and key. Apply a suitable lubricant if necessary.
Key turns but shackle does not open.	Internal mechanism obstruction or wear.	Ensure the key is turned fully. Apply lubricant to the keyway. If the problem persists, contact Abloy support.
Shackle does not close or lock.	Shackle misalignment or internal obstruction.	Ensure the shackle is aligned correctly with the padlock body. Check for any foreign objects preventing full closure. If the key cannot be removed, ensure the shackle is fully engaged and the key is turned to the locked position.

## 6. SPECIFICATIONS

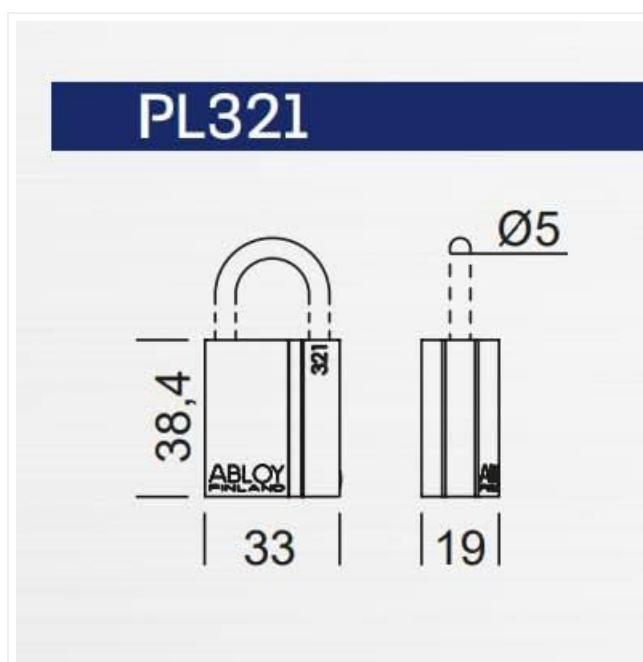


Image 6.1: Abloy PL321 Padlock Dimensions Diagram. This diagram illustrates the key dimensions of the PL321 padlock, including body width (33mm), body height (38.4mm), and shackle diameter (5mm).

Feature	Detail
Brand	Abloy
Model Name	PL321
Lock Type	Key Lock (Protec2 Disc Detainer)
Material	Brass body, Stainless Steel shackle
Item Weight	6.4 ounces (approx. 181 grams)
Package Dimensions	3.5 x 2.28 x 1.65 inches (approx. 8.9 x 5.8 x 4.2 cm)
Shackle Diameter	5 mm (as per diagram)
Recommended Uses	Security for luggage, laptop bags, backpacks, lockers, toolboxes, sheds.
UPC	428174628156

## 7. WARRANTY INFORMATION

Abloy products are manufactured to high standards. For specific warranty terms and conditions applicable to your Abloy Protec2 PL 321 Padlock, please refer to the warranty documentation included with your purchase or visit the official Abloy website. Warranty coverage typically addresses manufacturing defects under normal use.

## 8. CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact Abloy customer support. Contact information can typically be found on the official Abloy website or on the product packaging.

**Abloy Official Website:** [www.abloy.com](http://www.abloy.com)