

ABUS ABUS Touch 57/45

ABUS Touch 57/45 Fingerprint Lock User Manual

Model: ABUS Touch 57/45 (Part No. 62575)

Brand: ABUS

1. INTRODUCTION

Thank you for choosing the ABUS Touch 57/45 Fingerprint Lock. This smart padlock offers convenient, keyless security for various applications, from home and office to industrial use. Its robust design and advanced fingerprint technology provide reliable protection.

Key features include:

- Fingerprint recognition with 360-degree detection, supporting up to 20 embedded prints.
- Long battery life, providing up to 10,000 unlocks per cycle.
- Spring-loaded double-locked shackle for automatic opening.
- Specially hardened steel shackle and corrosion-resistant body.
- Weatherproof design (IP66 & IP68 rated) suitable for indoor and outdoor use.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the ABUS Touch 57/45 Fingerprint Lock. Failure to follow these instructions may result in product malfunction or damage.

- Do not attempt to disassemble or modify the lock. This will void the warranty and may cause damage.
- Keep the fingerprint sensor clean and dry for optimal performance.
- Ensure the battery compartment is securely closed to maintain weatherproof integrity.
- Use only the specified CR2 Lithium Battery for replacement.
- Avoid exposing the lock to extreme temperatures or corrosive substances.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ABUS Touch 57/45 Fingerprint Lock
- CR2 Lithium Battery (pre-installed or separate)

- Quick Start Guide (if applicable, this manual serves as comprehensive guide)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your ABUS Touch 57/45 Fingerprint Lock.





Figure 4.1: Front view of the ABUS Touch 57/45 Fingerprint Lock, showing the fingerprint sensor and ABUS logo.

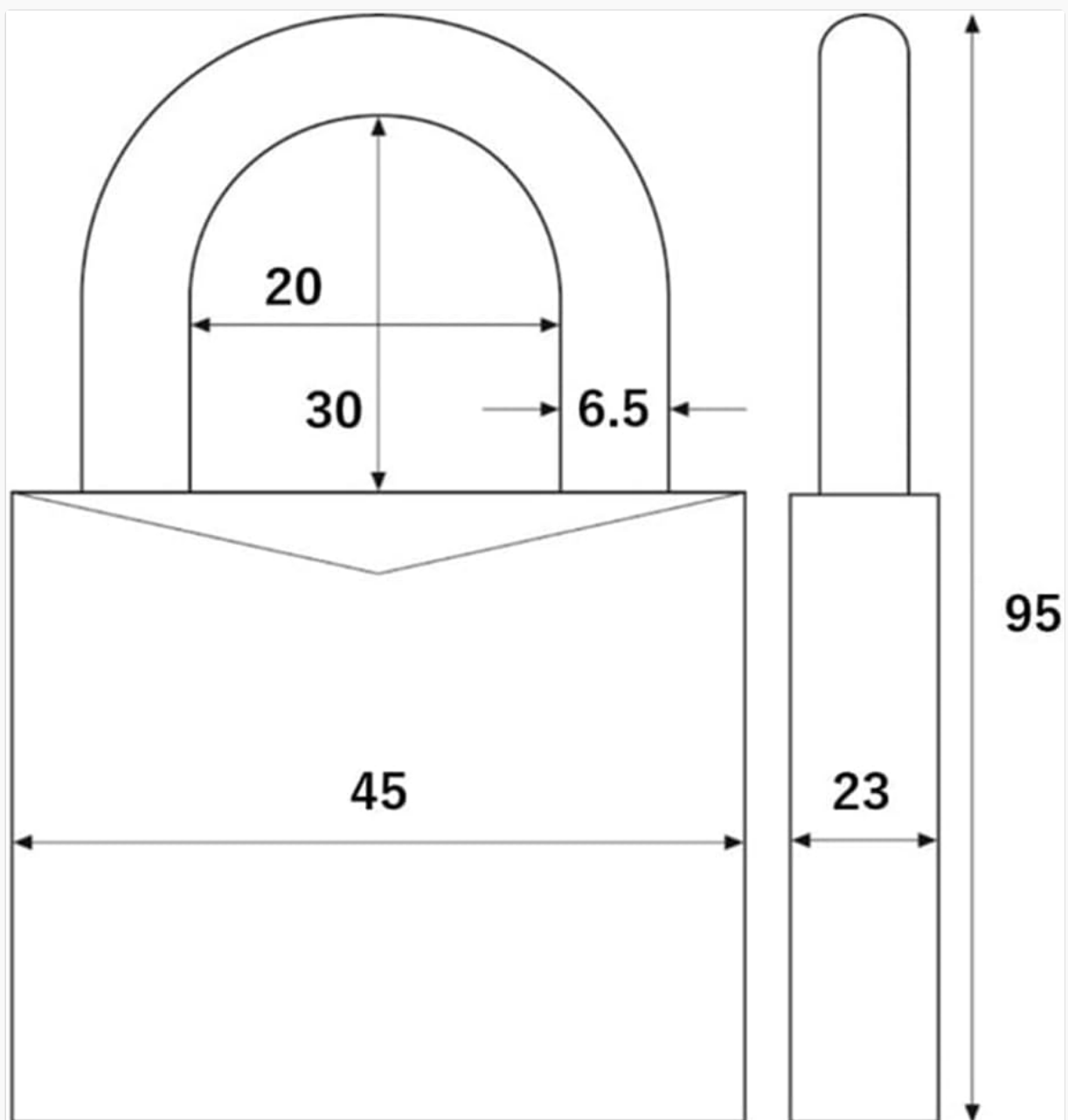


Figure 4.2: Technical drawing illustrating the dimensions of the ABUS Touch 57/45 Fingerprint Lock in millimeters.

- **Shackle:** The U-shaped part that secures the lock.

- **Lock Body:** The main housing of the lock.
- **Fingerprint Sensor:** The circular area on the front where fingerprints are scanned.
- **LED Indicator:** Integrated into the sensor, provides status feedback (e.g., green for unlocked, red for error).
- **Battery Compartment:** Located at the bottom of the lock, secured by a screw.

5. SETUP

5.1. Initial Battery Installation (if not pre-installed)

1. Locate the battery compartment cover at the bottom of the lock body.
2. Using a small screwdriver, carefully loosen the screw securing the cover.
3. Remove the cover and insert the CR2 Lithium Battery, ensuring correct polarity (+/-).
4. Replace the cover and tighten the screw firmly to ensure a watertight seal.

5.2. Registering Administrator Fingerprints

The first two fingerprints registered will automatically be designated as administrator fingerprints. These are required to add or delete other user fingerprints.

1. Ensure the lock is unlocked and the shackle is open.
2. Press and hold your finger on the fingerprint sensor until the LED indicator flashes blue.
3. Lift your finger and place it on the sensor again. Repeat this process 5-10 times, rotating your finger slightly each time to capture different angles of your fingerprint. The LED will flash green after each successful scan.
4. Once the registration is complete, the LED will turn solid green, and the lock will emit a confirmation sound.
5. Repeat the process for the second administrator fingerprint.

Note: If the LED flashes red, the scan was unsuccessful. Try again, ensuring your finger covers the sensor completely and is clean and dry.



Figure 5.1: Placing a finger on the sensor for registration or unlocking, indicated by a green light.

5.3. Registering User Fingerprints

After registering administrator fingerprints, you can add up to 18 additional user fingerprints (total of 20 fingerprints).

1. Unlock the lock using an administrator fingerprint.
2. While the lock is unlocked, press and hold an administrator finger on the sensor until the LED flashes blue.

3. Immediately have the new user place their finger on the sensor. Repeat the scanning process (5-10 times) as described for administrator fingerprints.
4. The LED will turn solid green upon successful registration.

6. OPERATING INSTRUCTIONS

6.1. Locking the Padlock

To lock the ABUS Touch 57/45, simply push the shackle down into the lock body until it clicks into place. The lock will automatically secure itself.





Figure 6.1: The ABUS Touch 57/45 Fingerprint Lock with its shackle in the open position, ready to be closed or having just been unlocked.

6.2. Unlocking the Padlock

To unlock, place a registered finger firmly on the fingerprint sensor. The LED indicator will turn green, and the shackle will automatically spring open.



Figure 6.2: A hand holding the ABUS Touch 57/45 Fingerprint Lock, demonstrating its use on a metal cage.



Figure 6.3: A person securing a gate with the ABUS Touch 57/45 Fingerprint Lock, highlighting its practical application.

6.3. Deleting All Fingerprints (Factory Reset)

To delete all registered fingerprints and reset the lock to factory settings:

1. Unlock the lock using an administrator fingerprint.
2. While the lock is unlocked, press and hold an administrator finger on the sensor for approximately 10-15 seconds until the LED flashes red rapidly.
3. Release your finger. All fingerprints are now deleted. The lock will require new administrator fingerprints to be registered before it can be used again.

Caution: This action cannot be undone. Ensure you want to delete all fingerprints before proceeding.

7. MAINTENANCE

7.1. Cleaning

Regular cleaning helps maintain the lock's performance and longevity.

- Wipe the lock body and shackle with a soft, damp cloth.
- For the fingerprint sensor, use a clean, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- Ensure the lock is completely dry before use, especially after exposure to water.

7.2. Battery Replacement

The lock is designed to provide up to 10,000 unlocks on a single battery cycle. When the battery is low, the LED indicator may flash red more frequently or the lock may become unresponsive. Replace the battery as follows:

1. Locate the battery compartment at the bottom of the lock.
2. Unscrew the cover and remove the old CR2 Lithium Battery.

- 3. Insert a new CR2 Lithium Battery, observing the correct polarity.
- 4. Replace the cover and tighten the screw securely.

Important: Dispose of old batteries according to local regulations.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lock does not respond to fingerprint.	Fingerprint not registered, sensor dirty/wet, low battery, incorrect finger placement.	Ensure finger is registered. Clean and dry sensor. Replace battery. Place finger firmly and completely on sensor. Try different angles.
LED flashes red repeatedly.	Unrecognized fingerprint, sensor error.	Ensure you are using a registered fingerprint. Clean sensor. If problem persists, try re-registering the fingerprint (if possible with an admin finger).
Cannot register new fingerprints.	Not using an administrator fingerprint, maximum fingerprints reached.	Ensure you are using one of the two administrator fingerprints. The lock supports a maximum of 20 fingerprints. Consider deleting existing fingerprints if capacity is full.
Shackle does not spring open.	Mechanism obstruction, very low battery.	Check for any physical obstructions. Replace battery.

9. SPECIFICATIONS

Feature	Detail
Model Name	ABUS Touch 57/45
Part Number	62575
Lock Type	Biometric (Fingerprint)
Material	Alloy Steel (Body), Hardened Steel (Shackle)
Dimensions (L x W x H)	1.77 x 0.26 x 3.74 inches (45mm x 6.5mm x 95mm approx.)
Weight	0.32 Kilograms (11.3 ounces)
Fingerprint Capacity	Up to 20 (2 Administrator, 18 User)
Battery Type	1 x CR2 Lithium Battery
Battery Life	Approx. 10,000 unlocks
Weather Resistance	IP66 & IP68 Rated (Dust and Water Protection)
Color	Silver

10. WARRANTY AND SUPPORT

ABUS products are manufactured to high quality standards and undergo strict quality control. For warranty information and technical support, please refer to the official ABUS website or contact their customer service directly.

For further assistance, please visit the [ABUS Store on Amazon](#) or the official ABUS global website.
