

SMITH & LOCKE 76mm 3-Gorge Mortise Lock

SMITH & LOCKE 76mm 3-Gorge Brass Mortise Lock Instruction Manual

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your SMITH & LOCKE 76mm 3-Gorge Brass Mortise Lock. Please read these instructions carefully before installation and retain them for future reference. This lock is designed for use on 30 and 60-minute fire doors and features an easily reversible latch system.

Package Contents:

- 1 x SMITH & LOCKE 76mm 3-Gorge Brass Mortise Lock
- 2 x Keys
- Fixings (screws)

2. SETUP AND INSTALLATION

Proper installation is crucial for the security and functionality of the lock. If you are unsure about any step, consult a qualified professional.

2.1 Tools Required

- Drill
- Wood Chisel
- Hammer
- Screwdriver (Phillips head)
- Measuring Tape
- Pencil

2.2 Preparing the Door

1. Mark the desired height for the lock on the edge of the door. The spindle hole should typically be at a standard height (e.g., 90-100 cm from the floor).
2. Using the lock body as a template, mark the mortise cut-out on the door edge. Ensure the depth and width are accurate for a snug fit.
3. Chisel out the mortise pocket in the door edge. Test fit the lock body periodically to ensure a correct fit.
4. Mark the positions for the spindle hole and keyhole on both faces of the door, aligning them with the lock body.
5. Drill the spindle hole and keyhole through the door.

2.3 Latch Reversibility

The latch bolt is easily reversible to suit left-hand or right-hand opening doors.

1. Locate the small screw on the side of the latch mechanism.
2. Unscrew and remove this screw.
3. Pull the latch bolt out, rotate it 180 degrees, and push it back into the lock body.
4. Reinsert and tighten the small screw to secure the latch in its new orientation.

2.4 Installing the Lock Body

1. Insert the lock body into the mortise pocket in the door edge.
2. Secure the lock body with the provided screws through the faceplate into the door edge.
3. Install the door handles/knobs and spindle, ensuring they operate the latch smoothly.
4. Install the key escutcheons (keyhole covers) on both sides of the door.

2.5 Installing the Strike Plate

1. Close the door gently and mark the position of the latch bolt and deadbolt on the door frame.
2. Using the strike plate as a template, mark the cut-out for the latch and deadbolt on the door frame.
3. Chisel out the recess for the strike plate and the pockets for the latch and deadbolt.
4. Secure the strike plate to the door frame with the provided screws.
5. Test the lock operation to ensure the latch and deadbolt engage smoothly and securely with the strike plate. Adjust if necessary.



Image 1: Example of a mortise lock installed in a door, showing the faceplate and keyhole. This image illustrates the typical appearance of the SMITH & LOCKE 76mm 3-Gorge Brass Mortise Lock once fitted.

3. OPERATING INSTRUCTIONS

This section describes the basic operation of your 3-gorge mortise lock.

3.1 Latch Operation

- To open the door from either side, turn the door handle/knob. This retracts the latch bolt.
- When the door is closed, the spring-loaded latch bolt automatically extends into the strike plate, holding the door shut.

3.2 Deadbolt Operation

- To lock the door, insert one of the provided keys into the keyhole and turn it. The deadbolt will extend into the strike plate, securing the door.

- To unlock the door, insert the key and turn it in the opposite direction until the deadbolt fully retracts.
- The 3-gorge mechanism provides enhanced security when the deadbolt is engaged.

4. MAINTENANCE

Regular maintenance ensures the longevity and smooth operation of your lock.

- **Cleaning:** Wipe the visible parts of the lock (faceplate, handles, key escutcheons) with a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the brass finish.
- **Lubrication:** Periodically (e.g., once a year), apply a small amount of graphite powder or a silicone-based lubricant into the keyhole and around the latch bolt mechanism. Do not use oil-based lubricants as they can attract dust and grime.
- **Inspection:** Check all screws for tightness. Ensure the latch and deadbolt move freely without obstruction. If any parts appear worn or damaged, consider replacement.

5. TROUBLESHOOTING

If you encounter issues with your lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Key is stiff or difficult to turn.	Lack of lubrication, dirt in keyway, bent key.	Apply graphite powder to the keyhole. Clean the key. If the key is bent, use a spare or get a new one cut.
Latch bolt does not retract fully or sticks.	Dirt/debris in mechanism, misaligned strike plate, worn spring.	Clean the latch mechanism. Check strike plate alignment and adjust if necessary. If spring is worn, the lock may need replacement.
Deadbolt does not engage or disengage smoothly.	Misaligned strike plate, obstruction in bolt path, internal mechanism issue.	Check strike plate alignment and adjust. Ensure no debris is blocking the bolt. If the issue persists, professional inspection may be required.
Door rattles when closed.	Loose strike plate, worn latch bolt.	Tighten strike plate screws. If the latch bolt is significantly worn, consider replacing the lock.

If these solutions do not resolve the issue, contact customer support or a qualified locksmith.

6. SPECIFICATIONS

- **Product Type:** 3-Gorge Mortise Lock
- **Brand:** SMITH & LOCKE
- **Material:** Brass
- **Backset:** 76 mm (7.6 cm)
- **Dimensions (L x D x H):** 76 x 22 x 155 mm (approximate, for lock body)
- **Fire Door Rating:** Suitable for 30 and 60-minute fire doors (Certifire approved)
- **Certifications:** Kitemark certified, EN 12209
- **Keys Included:** 2
- **Fixings:** Included
- **Latch:** Reversible

7. WARRANTY INFORMATION

SMITH & LOCKE products are manufactured to high standards and are subject to rigorous quality control. This product comes with a standard manufacturer's warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by improper installation, misuse, neglect, unauthorized modifications, or normal wear and tear. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact customer support.

8. CUSTOMER SUPPORT

If you require further assistance, have questions about your SMITH & LOCKE 76mm 3-Gorge Brass Mortise Lock, or need to report a problem, please contact your retailer or the manufacturer's customer service department.

Please have your product model number (76mm 3-Gorge Brass Mortise Lock) and proof of purchase ready when contacting support.

Online Resources: For additional information and product updates, visit the official SMITH & LOCKE website (if available).

