

Blum 71B3550

Blum Blumotion 110 Degree Soft Close Frameless Hinges

Model: 71B3550 - Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, adjustment, maintenance, and troubleshooting of your Blum Blumotion 110 Degree Soft Close Frameless Hinges. Please read this manual thoroughly before beginning installation to ensure proper function and longevity of your product. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Blum Blumotion 110 Degree Soft Close Frameless Hinges are designed for full overlay cabinet doors, providing a smooth and silent closing action. These hinges feature integrated Blumotion technology, which can also be deactivated if desired. They offer 3-dimensional adjustment for precise door alignment.



Image: An assembled Blum Blumotion 110 Degree Soft Close Frameless Hinge, showing the main body, cup, and mounting plate. This image illustrates the complete hinge unit.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 8 x Blum Blumotion 110 Degree Soft Close Hinges (4 pairs)
- 8 x Mounting Plates
- Screws for hinge and mounting plate attachment
- Hinge Guard Plates (if applicable to specific model variant)

4. KEY FEATURES

- Designed for full overlay doors.
- Integrated Blumotion soft-close mechanism for silent and effortless closing.
- Blumotion soft-close function can be easily disabled via a switch on the hinge arm.
- 3-dimensional adjustment (side-to-side, depth, and height) for precise door alignment.

- Quick-disconnect feature for easy door removal and reattachment.

5. SAFETY INFORMATION

Always exercise caution when working with tools and hardware. Wear appropriate personal protective equipment, such as safety glasses. Keep small parts and screws away from children. Ensure cabinet doors are securely attached before use to prevent injury.

6. SETUP AND INSTALLATION

These hinges are designed for frameless cabinets. Installation on face frame cabinets requires a spacer block to be mounted on the inside of the cabinet sidewall to align with the face frame surface.

6.1 Preparing the Cabinet Door

1. Determine the hinge cup drilling positions on the cabinet door. For 110-degree hinges, the standard drilling distance from the door edge is typically 3mm to 6mm, but always refer to a drilling template for precise measurements.
2. Using a 35mm Forstner bit, drill the hinge cup holes to the recommended depth (usually 13mm). Ensure holes are clean and free of debris.
3. Place the hinge cup into the drilled hole and secure it with the provided screws.



Image: A close-up view of a hinge cup being inserted into a pre-drilled hole on a cabinet door, with screws ready for fastening. This demonstrates the first step of attaching the hinge to the door.

6.2 Attaching Mounting Plates to Cabinet

1. Mark the positions for the mounting plates on the inside of the cabinet side panel. The vertical position of the mounting plates should align with the hinges on the door.
2. Pre-drill pilot holes for the mounting plate screws. Using a self-centering drill bit is recommended for accuracy.
3. Secure the mounting plates to the cabinet side panel using the provided screws. Ensure they are level and correctly spaced.



Image: A mounting plate being screwed into the interior side panel of a cabinet, showing the screw holes and the plate's orientation. This illustrates how the mounting plate is secured to the cabinet structure.

6.3 Attaching the Door to the Cabinet

1. Align the hinge arm with the mounting plate.
2. Press the hinge arm onto the mounting plate until it clicks into place. This indicates a secure connection.
3. Test the door's movement to ensure it opens and closes smoothly.

7. OPERATING AND ADJUSTMENT

The Blumotion hinges offer 3-dimensional adjustment to achieve perfect door alignment.

7.1 3-Dimensional Adjustment

- **Side-to-Side Adjustment:** Use the front screw on the hinge arm to move the door left or right. Turning clockwise moves the door towards the hinge side, counter-clockwise moves it away.

- **Depth Adjustment:** Use the rear screw on the hinge arm to move the door in or out relative to the cabinet frame. This adjusts the gap between the door and the cabinet.
- **Height Adjustment:** The mounting plate typically has elongated holes for height adjustment. Loosen the mounting plate screws slightly, adjust the door up or down, and then re-tighten the screws.



Image: A close-up of a Blumotion hinge arm, highlighting the different adjustment screws for side-to-side and depth adjustments. This image helps identify which screws control specific movements.

7.2 Disabling Blumotion Soft-Close

Each hinge features a small switch on the hinge arm that allows you to deactivate the Blumotion soft-close function. This can be useful for lighter doors or if you prefer a traditional closing action. Simply slide the switch to the 'off' position to disable, and 'on' to re-enable.

8. MAINTENANCE

To ensure optimal performance and longevity of your Blumotion hinges:

- **Cleaning:** Wipe hinges periodically with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Inspection:** Annually check all screws for tightness. Re-tighten if necessary, but do not overtighten.
- **Lubrication:** The Blumotion mechanism is maintenance-free and does not require lubrication.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Door is misaligned (gaps, uneven).	Incorrect hinge adjustment.	Use the 3-dimensional adjustment screws (side-to-side, depth, height) to realign the door. Refer to Section 7.1.
Soft-close not working or door slams.	Blumotion mechanism deactivated or damaged.	Check the Blumotion switch on each hinge arm (Section 7.2). Ensure it is in the 'on' position. If still not working, the hinge may need replacement.
Door sags or feels loose.	Loose mounting screws.	Tighten all screws on both the hinge cup and the mounting plate. Do not overtighten.

10. SPECIFICATIONS

Feature	Detail
Model Number	71B3550
Brand	Blum
Opening Angle	110 Degrees
Soft-Close Mechanism	Integrated Blumotion (deactivatable)
Door Overlay Type	Full Overlay

Feature	Detail
Cabinet Type	Frameless
Adjustment	3-dimensional (side, depth, height)
Material	Steel (Full layering)
Finish Type	Unfinished
Color	Polished Chrome
Product Dimensions (per hinge)	Approx. 7.4 x 7.01 x 1.97 inches (packaged)
Item Weight (total package)	1.87 pounds
UPC	649862996818

11. WARRANTY INFORMATION

Blum products are known for their quality and durability. For specific warranty details, please refer to the official Blum website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

12. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need to report a defective product, please contact Blum customer support through their official website or the retailer from whom you purchased the hinges. Please have your model number (71B3550) and purchase information ready.