Burg-Wächter GTS 514 S SB

BURG-WÄCHTER GTS 514 S SB Hydraulic Door Closer Instruction Manual

1. Product Overview

The BURG-WÄCHTER GTS 514 S SB is a hydraulic door closer designed for safe and autonomous closing of interior doors. It features adjustable closing speed and end stop, along with an adjustable locking device for customized door control. This model includes a 425 mm slide rail and is suitable for doors up to 110 cm wide and weighing up to 80 kg.



Image 1.1: The BURG-WÄCHTER GTS 514 S SB hydraulic door closer with its slide arm.

Key Features:

- **Hydraulic Control:** Ensures reliable and controlled door closing.
- **Adjustable Closing Speed:** Customize how quickly the door closes.
- **Adjustable End Stop:** Fine-tune the final closing action.
- **Adjustable Locking Device:** Allows for holding the door open at a desired position.
- **Versatile Installation:** Suitable for both right-hand and left-hand hinged doors.
- **Door Compatibility:** Supports doors up to 110 cm wide and up to 80 kg in weight.

2. Safety Information

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in injury or damage to the product or door.

- Ensure the door closer is installed by a competent individual.
- Always use appropriate safety gear during installation.
- Do not modify the door closer or its components.
- This door closer is designed for interior doors only.
- Ensure the door closer is securely fastened to prevent detachment.
- Keep children and pets away from the door during installation and adjustment.

3. Package Contents

Verify that all components are present before beginning installation:

- 1x BURG-WÄCHTER GTS 514 S SB Hydraulic Door Closer unit
- 1x Slide Rail (425 mm)
- Mounting Instructions
- Mounting Template
- Fixing Material (screws, etc.)



Image 3.1: All components included in the package, including the door closer unit, slide rail, and fixing materials.



Image 3.2: Close-up of the fixing material provided for installation.

4. Setup and Installation

The BURG-WÄCHTER GTS 514 S SB door closer is designed for easy installation. Follow the detailed mounting instructions and use the provided template for precise positioning.

4.1. Preparation

- Ensure the door is clean and free from obstructions.
- Identify the correct mounting position on the door and frame based on your door's opening direction (right-hand or left-hand hinged).
- Confirm the door closer is suitable for your door's width (up to 110 cm) and weight (up to 80 kg).
- Gather necessary tools (drill, screwdriver, measuring tape, pencil).

4.2. Mounting Steps

1. **Positioning:** Use the provided mounting template to mark the drilling points on the door and door frame. Ensure accurate alignment.
2. **Drilling:** Drill pilot holes at the marked positions. Refer to the mounting instructions for recommended drill bit sizes.
3. **Attach Door Closer Body:** Securely fasten the main door closer unit to the door using the supplied fixing material.
4. **Attach Slide Rail:** Mount the slide rail to the door frame, ensuring it is parallel to the door closer body and correctly aligned with the slide arm.
5. **Connect Slide Arm:** Connect the slide arm to the door closer body and insert it into the slide rail.
6. **Initial Check:** Open and close the door manually to ensure smooth movement and no binding.

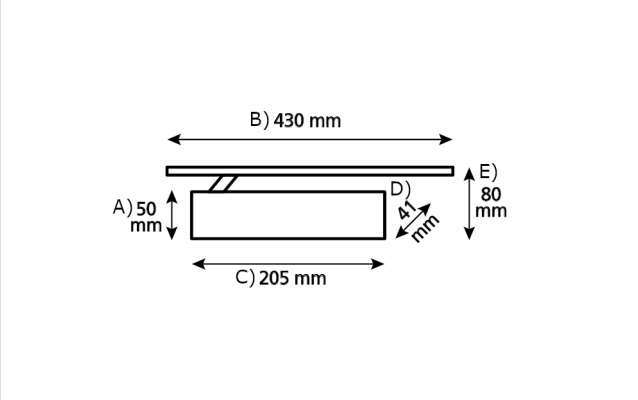


Image 4.1: Diagram showing the dimensions and potential mounting configurations for the door closer.



Image 4.2: Underside view of the door closer, showing adjustment points (refer to manual for specific adjustment screw locations).

5. Operating and Adjustment

The BURG-WÄCHTER GTS 514 S SB allows for individual adjustment of closing speed, end stop, and the locking device to suit your specific needs.

5.1. Adjusting Closing Speed

The closing speed controls how fast the door moves from its open position to the final closing phase. Locate the speed adjustment valve (typically a screw on the main body of the closer). Turning the screw clockwise will decrease the closing speed (slower), and counter-clockwise will increase it (faster). Adjust gradually and test the door's movement after each adjustment.

5.2. Adjusting End Stop (Latching Speed)

The end stop, or latching speed, controls the final few degrees of the door's closing cycle, ensuring it latches securely without slamming. This is typically controlled by a separate adjustment valve. Adjust this screw to achieve a firm but not forceful latching action. Clockwise for slower, counter-clockwise for faster latching.

5.3. Adjusting Locking Device (Hold-Open Function)

If your model includes an adjustable locking device, it allows the door to be held open at a specific angle. Consult the detailed mounting instructions for the exact method of adjusting this feature. This usually involves a mechanism within the slide rail or arm that can be tightened or loosened to set the hold-open force or position.

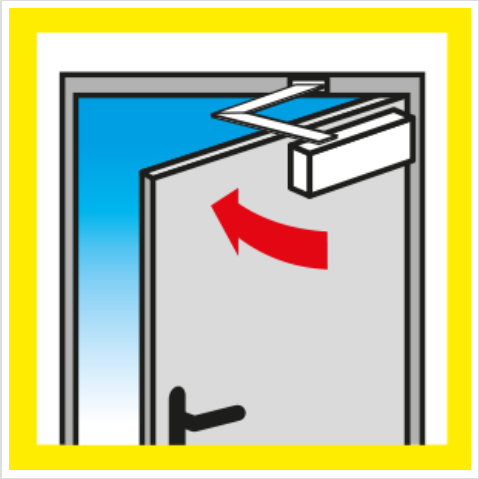


Image 5.1: Visual representation of a door closing under controlled conditions, demonstrating the function of the door closer.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your BURG-WÄCHTER door closer.

- **Cleaning:** Periodically wipe the door closer and slide rail with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Inspection:** Annually inspect all screws and fasteners for tightness. Tighten any loose screws to prevent misalignment or failure.
- **Lubrication:** The hydraulic mechanism is sealed and does not require lubrication. Do not attempt to open the main unit.
- **Functionality Check:** Test the closing speed and end stop adjustments periodically to ensure they are functioning as desired. Readjust if necessary.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Door slams shut	Closing speed or end stop set too fast.	Adjust the closing speed and/or end stop valves clockwise to slow down the door.
Door closes too slowly or not fully	Closing speed or end stop set too slow; obstruction.	Adjust the closing speed and/or end stop valves counter-clockwise to speed up the door. Check for any physical obstructions.
Door does not latch	End stop adjustment too weak or misaligned.	Increase the end stop force by adjusting the corresponding valve. Ensure the door and frame are properly aligned.
Door closer leaks oil	Damaged seal or unit.	Discontinue use and contact customer support. Do not attempt to repair.
Excessive noise during operation	Loose fasteners; worn components; misalignment.	Check and tighten all mounting screws. Inspect the slide rail and arm for wear or damage. Ensure proper alignment.

8. Specifications

Feature	Detail
Model Number	GTS 514 S SB
Brand	Burg-Wächter
Overall Package Dimensions (L x W x H)	42.5 x 3 x 2 cm
Door Closer Body Dimensions (H x W x D)	50 x 200 x 41 mm
Item Weight	1.72 kg (3.79 lbs)
Material	Silver-colored metal
Color	Silver
Maximum Door Width	110 cm
Maximum Door Weight	80 kg
Installation Type	Screw-in
Recommended Use	Enhancing security and convenience for interior door closing in residential or commercial environments.
Compliance	DIN EN 1155

9. Warranty and Support

BURG-WÄCHTER products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or visit the official BURG-WÄCHTER website.
If you require technical assistance, have questions about installation, or need to report a defect, please contact BURG-WÄCHTER customer support through their official channels. Keep your proof of purchase handy when contacting support.

- **Online Support:** Visit the BURG-WÄCHTER website for FAQs, product information, and contact details.
- **Contact Information:** Refer to the product packaging or the official website for regional customer service contact numbers and email addresses.

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

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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