

Tesa Assa Abloy DC700

Tesa Assa Abloy DC700 Door Closer Instruction Manual

Model: DC700

1. INTRODUCTION

Thank you for choosing the Tesa Assa Abloy DC700 Door Closer. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new door closer. Please read these instructions carefully before beginning installation or use.

Product Features:

- Door Closer with cam motion technology and adjustable sliding guide G195 or standard sliding guide G193.
- Complies with the requirements of Building without barriers (DIN 18040/CEN TR 15894).
- Certified in accordance with the rules EN1154, Size 3 – 6.
- Suitable for fire and smoke protection doors.
- Simple action suitable for doors up to 1400 mm Width.



Image Description: This image displays important certification marks for the Tesa Assa Abloy DC700 door closer. It includes symbols for accessibility (DEC - Disabled, Elderly and Children), fire and smoke protection, and the CE mark. The CE mark details compliance with EN 1154 standards, indicating its suitability for specific applications and safety requirements.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Read all instructions before installation and use.
- Ensure the door closer is installed by qualified personnel if you are unsure of the process.
- Use only the provided or recommended mounting hardware.

- Do not modify the door closer or its components. Unauthorized modifications can compromise safety and void the warranty.
- Keep hands and fingers clear of moving parts during operation and adjustment.
- Ensure the door closer is correctly adjusted to prevent excessive force or uncontrolled door movement.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Door Closer Body
- Mounting Template
- Screw Bag (containing necessary fasteners)
- Sliding Guide (G195 or G193, depending on model)

4. SETUP AND INSTALLATION

The Tesa Assa Abloy DC700 door closer is designed for screw-in installation. Accurate measurements and proper alignment are critical for optimal performance.

4.1. Preparation

1. Ensure the door and frame are structurally sound and capable of supporting the door closer's weight and operational forces.
2. Determine the desired mounting position (e.g., hinge side, push side, pull side) based on door type and opening requirements.
3. Refer to the provided mounting template for precise drilling locations.

4.2. Mounting the Door Closer Body

1. Using the mounting template, mark the drilling points on the door or door frame.
2. Drill pilot holes according to the template's specifications.
3. Secure the door closer body to the door or frame using the screws from the screw bag. Ensure it is firmly attached and level.

4.3. Installing the Sliding Guide

1. Attach the sliding guide to the opposing surface (frame or door) as indicated by the mounting template.
2. Ensure the sliding guide is parallel to the door closer body and aligned correctly for smooth operation.

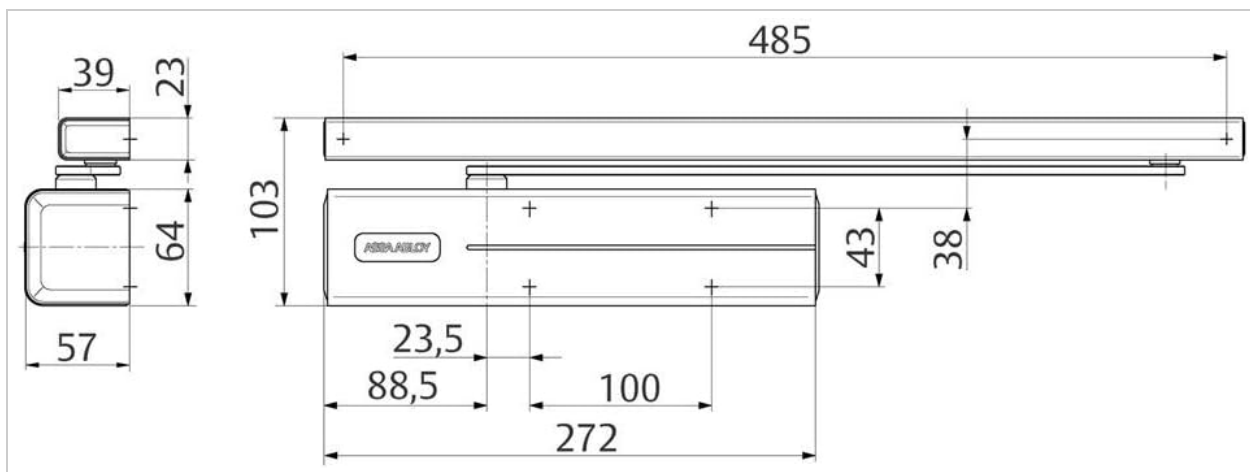


Image Description: This diagram illustrates the precise dimensions of the Tesa Assa Abloy DC700 door closer body and its associated sliding arm. All measurements are provided in millimeters, crucial for accurate installation and pre-drilling. Key dimensions include the overall length of the arm, the height and width of the closer body, and the spacing for mounting holes.

5. OPERATING AND ADJUSTMENT

The DC700 door closer features adjustable closing speed and latching action to suit various door types and user requirements.

5.1. Initial Operation

After installation, slowly open and close the door manually to ensure there are no obstructions and the mechanism moves freely.

5.2. Adjusting Closing Speed (VC Velocidad Cierre)

The closing speed can be adjusted using the appropriate valve on the door closer body. Turning the valve clockwise will decrease the closing speed, while turning it counter-clockwise will increase it. Make small adjustments and test the door's closing action.

5.3. Adjusting Latching Action (GF Golpe Final)

The latching action, or final closing stroke, can also be adjusted via a separate valve. This controls the force with which the door closes in the final few degrees of its swing, ensuring it latches securely without slamming.

5.4. Retention Position (Posición de retención)

If your model includes a hold-open function, this can typically be adjusted to retain the door at a specific open angle. Refer to the diagram below for visual guidance on closing angles and retention points.

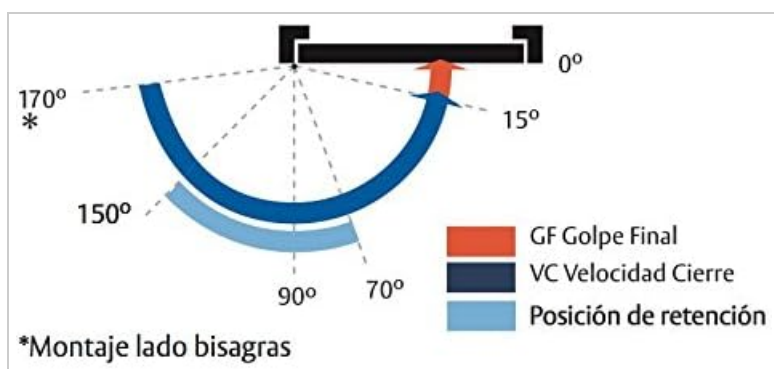


Image Description: This diagram details the operational angles of the door closer, including the final closing stroke (GF Golpe Final), closing speed (VC Velocidad Cierre), and retention position (Posición de retención). It shows how the door's opening angle affects these settings, with a retention point indicated between 70 and 150 degrees, and the final closing action from 15 degrees. The asterisk indicates 'Montaje lado bisagras' (hinge side mounting) for the 170-degree maximum opening.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tesa Assa Abloy DC700 door closer.

- **Cleaning:** Wipe the door closer body and arm with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Inspection:** Periodically check all mounting screws for tightness. Ensure the sliding guide is free of debris and moves smoothly.
- **Lubrication:** The internal mechanism is factory-lubricated and generally does not require additional lubrication. If squeaking or stiffness occurs, consult a professional.
- **Functionality Check:** Test the door's closing speed and latching action regularly to ensure it operates as intended, especially for fire and smoke protection doors.

7. TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|------------------------------|--|--|
| Door closes too fast/slow | Closing speed valve incorrectly adjusted. | Adjust the closing speed valve (VC) as described in Section 5.2. |
| Door does not latch properly | Latching action valve incorrectly adjusted or door/frame misalignment. | Adjust the latching action valve (GF) as described in Section 5.3. Check door and frame alignment. |
| Door closer is noisy | Loose mounting screws, worn components, or lack of lubrication. | Tighten all mounting screws. Inspect for wear. If noise persists, contact support. |
| Door closer leaks oil | Damaged seals or internal components. | Do not attempt to repair. Contact Tesa Assa Abloy support immediately. |

8. SPECIFICATIONS

| Feature | Detail |
|--------------------|--|
| Model Number | DC700-----D9016 |
| Brand | Tesa Assa Abloy |
| Recommended Uses | Commercial buildings, fire-rated doors |
| Specifications Met | EN1154, DIN 18040/CEN TR 15894 |
| Size | DC700 (Force EN3/4/5/6) |

| Feature | Detail |
|---------------------|--|
| Manufacturer | Tesa Assa Abloy |
| Item Weight | 5.02 pounds (approx. 2.28 kg) |
| Product Dimensions | 13.19 x 2.76 x 3.15 inches (approx. 33.5 x 7 x 8 cm) |
| Included Components | Body, Mounting template, Screw Bag |
| Material | Metal |
| Color | White |
| Exterior Finish | White |
| Installation Type | Screw-in (Einschrauben) |

9. WARRANTY INFORMATION

For detailed warranty information regarding your Tesa Assa Abloy DC700 door closer, please refer to the official Tesa Assa Abloy website or contact their customer service directly. Warranty terms and conditions may vary by region and purchase date.

10. SUPPORT

If you require further assistance, have questions not covered in this manual, or need to report a problem, please contact Tesa Assa Abloy customer support. Contact details can typically be found on the manufacturer's official website or on your purchase documentation.