DC500
Door closer with Cam-Motion® technology and guide rail

ASSA ABLOY DC500
- Door closer with Cam-Motion® technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfils barrier-free building requirements (EA / CEN TR 15894)
- Certified in compliance with EN 1154, size 1-4
- For single action doors up to 1100 mm wide
- Can be used in four installation types: hinge and non-hinge sides in standard and frame installation
- Suitable for fire and smoke protection doors

Characteristics of DC500
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left and right-handed doors
- 14 mm height adjustable arm system for ease of fitting
- Closing speed, latching speed and backcheck adjustable via front facing regulating valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 160°
- Effective backcheck and latching speed range adjustable
- Large range of applications
- Standard colours: silver EV1; white, similar to RAL9016; brown, similar to RAL8014; black, similar to RAL9005, stainless steel
- Customised finishes available on request

Characteristics of guide rail G195
- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws
- Installation dimensions: see diagram

Characteristics of standard guide rail G193
- Without protective cover
- Visible fastening screws
- Installation dimensions: see diagram (dimensions in brackets)
DC500
Technical attributes

<table>
<thead>
<tr>
<th>Technical attributes</th>
<th>EN 1-4</th>
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<tbody>
<tr>
<td>Closing force</td>
<td></td>
</tr>
<tr>
<td>Door width up to</td>
<td>1100 mm</td>
</tr>
<tr>
<td>Suitable for fire doors</td>
<td>Yes</td>
</tr>
<tr>
<td>Handing</td>
<td>Left / right handed</td>
</tr>
<tr>
<td>Mounting method</td>
<td></td>
</tr>
<tr>
<td>Standard and frame installation</td>
<td></td>
</tr>
<tr>
<td>Closing speed</td>
<td>Variable between 170°-10°</td>
</tr>
<tr>
<td>Latching speed</td>
<td>Variable between 10°-0°</td>
</tr>
<tr>
<td>Backcheck</td>
<td>Variable above 75°</td>
</tr>
<tr>
<td>Max. door opening angle hinge side</td>
<td>ca. 170°</td>
</tr>
<tr>
<td>Max. door opening angle non-hinge side</td>
<td>Ca. 120°</td>
</tr>
<tr>
<td>Weight</td>
<td>2.7 kg</td>
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<tr>
<td>Height</td>
<td>64 mm</td>
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<tr>
<td>Depth</td>
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<tr>
<td>Length</td>
<td>272 mm</td>
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<tr>
<td>Certified in compliance with</td>
<td>EN 1154</td>
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<tr>
<td>CE marking for building products</td>
<td>Yes</td>
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</tbody>
</table>

The advantages at a glance

Customer segment | Advantages
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Project planners | - Extensive range of uses: Fire and smoke protection doors as well as standard doors
 | - Modern design
 | - Compact design
 | - Fulfils barrier-free building requirements (EA / CEN TR 15894)
 | - Same dimensions and design with and without mounting plate
Builders | - One drilling template overall
 | - Adjustable to nearly all door and frame types
 | - Quick and easy installation
 | - Suitable for left and right handed doors for standard and frame mounting on hinge and non-hinge side
Trade | - Reduced inventory costs due to modular product range
 | - One single product suitable for a large variety of mounting positions
 | - Complementary accessories available for the whole product range
User | - Largely unaffected by temperature fluctuations thanks to thermodynamic valves
 | - Easier door opening and improved accessibility due to reapidly decreasing torque

Specifications for DC500

ASSA ABLOY Door Closer DC500 with Cam-Motion® technology and guide rail in compliance with EN 1154

- Closing power continuously adjustable, EN size 1-4, for doors up to 1100 mm wide
- Closing speed, latching speed and backcheck continuously adjustable
- Can be used with integrated concealed mounting plate, suitable for fire and smoke protection doors
- CE approved
- 14 mm height adjustable arm system for ease of fitting
- Standard and frame mounting on hinge and non-hinge side of the door
- Suitable for left and right handed doors

Accessories:

- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate A120
- Mounting plate A130 for guide rail G193 and G195
- Angle bracket A104 for guide rail G193
- Mechanical opening damper A153
- Mechanical hold-open device A152 (not for fire and smoke protection doors)
- Glass door shoe A166
- Screening plate A190

Colour:

- Silver EV1
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Stainless steel
- Stainless steel
- Customised finish

Our service for you: here you can see the individual advantages of our door closer models for your respective field of business.

You can find the complete specification on the internet at: www.assaabloy.de
DC500
Dimensional drawings

Space required on doors for standard installation on hinge side
Left handed shown in diagram
Right handed is the reverse

Installation dimensions for direct standard mounting on hinge side
Left handed shown in diagram
Right handed is the reverse

Installation dimensions with mounting plate for standard mounting on hinge side
In compliance with EN 1154, Supplement 1, or for doors where direct mounting is not possible.
Left handed shown in diagram
Right handed is the reverse

Installation dimensions for direct frame mounting on hinge side
Closer on hinge side of door frame.
Left handed shown in diagram
Right handed is the reverse

Installation dimensions with mounting plate for frame mounting on hinge side
Closer on hinge side of door frame. For doors where direct mounting is not possible.
Left handed shown in diagram
Right handed is the reverse
Installation dimensions for direct standard mounting non hinge side
Right handed door shown in diagram
Left handed door is the reverse

Installation dimensions with mounting plate for standard mounting non hinge side
For doors where direct mounting is not possible
Right handed door shown in diagram
Left handed door is the reverse

Installation dimensions when mounted directly onto the frame non-hinge side
Closer on non-hinge side of door frame
Right handed door shown in diagram
Left handed door is the reverse

Installation dimensions with mounting plate for frame mounting non-hinge side
Closer on non-hinge side of door frame. For doors where direct mounting is not possible.
Right handed door shown in diagram
Left handed door is the reverse
DC500
Accessories

Mounting plate A120
For mounting with drilling template acc. to EN 1154 Supplement 1 and for universal use

Mounting plate A130
For guide rail G193 and G195

Angle bracket A104
Only for standard guide rail G193

Replacement plate A124
For renovation applications

Glass door shoe A166
For mounting the door closer on the all-glass door leaf.
### DC500

**Accessories and order placement information**

Stainless steel full cover
For DC500 and DC700

Stainless steel design cover
For DC500 and DC700

**Opening damper A153**
Helps to prevent the door and door handle from hitting a return wall.
Simple fitting into guide rail.
Opening damper continuously adjustable up to an opening angle of max. 130°.
Does not replace a door stop.

**Hold-open device A152**
Mechanical hold-open device for doors which sometimes need to be secured in the open position.
Simple fitting into guide rail G193 and G195.
Hold-open angle max. 130°
Not approved for use on fire and smoke protection doors
Continuously adjustable holding force

**Screening plate A190**
Use on doors with narrow profiles and glass filling as cover of the back of the door.

<table>
<thead>
<tr>
<th>Designation / Item</th>
<th>Order no.</th>
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</thead>
<tbody>
<tr>
<td>DC500, EN size 1-4, silver EV1</td>
<td>DC500----DEV1-</td>
</tr>
<tr>
<td>DC500, EN size 1-4, white, similar to RAL9016</td>
<td>DC500----D9016</td>
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<tr>
<td>DC500, EN size 1-4, brown, similar to RAL8014</td>
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<td>DC500, EN size 1-4, stainless steel, ASSA ABLOY design</td>
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</tr>
<tr>
<td>DC500, EN size 1-4, customised finish</td>
<td>DC500----DXXX</td>
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<tr>
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<td>Guide rail G193, black, similar to RAL9005</td>
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<tr>
<td>Glass door shoe A166, silver EV1</td>
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<td>Angle bracket A104, silver EV1</td>
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<tr>
<td>Hold-open device A152</td>
<td>DCA152----------</td>
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<tr>
<td>Opening damper A153</td>
<td>DCA153----------</td>
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<tr>
<td>Replacement plate A124, galvanised</td>
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<tr>
<td>Screening plate A190, stainless steel</td>
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