



Close-Motion®
Quiet and secure by design

ASSA ABLOY Door Controls

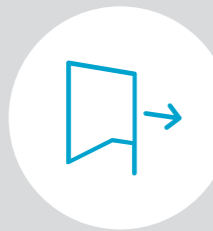
ASSA ABLOY
Opening Solutions

The global leader in
door opening solutions

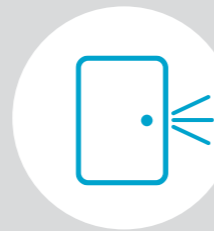
The challenge: How quietly and securely can a door close?

Making sure a door closes quietly and securely is sometimes a challenge. Self-closing doors can cause noise disturbance in environments peaceful in essence. Whether in hotels, hospitals, care homes or schools, silence is desirable and fosters relaxation, recovery and learning.

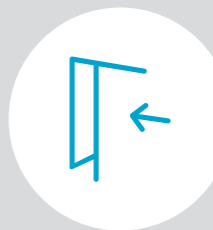
They can also struggle where there are air pressure differences, such as clean rooms and server rooms, or simply where there are draughts from the outside pulling against an entrance door.



A door that doesn't close properly is a problem. It puts the fire safety of the building at risk, compromises security and adds to building energy costs.



A banging door or noise filtering through an open door can irritate. When high volumes of users pass through, a self-closing door needs to handle the traffic and preserve peace and quiet.



A door must close safely: strong enough to close firmly, but sensitively and slowly so that little fingers don't get trapped.



A good door doesn't bar the way. Older users and children must feel comfortable opening it, and those with luggage need time to get through.



The solution:

Look no further than Close-Motion®

Innovative Cam-Motion® technology combines with an integrated damping device to close doors quietly, safely and securely at the speed you want.

The door is pulled quietly and securely into the frame, allowing the locking system to latch the door into position. Close-Motion® minimises problems from draughts and differences in air pressure. No noise. No fuss.

Close-Motion® can be safely set to faster closing speeds as the unique damping feature preserves safety and silence by controllably slowing the door during the last few degrees of closing.

With safety, noise, accessibility and security covered, Close-Motion® is ideal for environments ranging from hospitality to healthcare and encompassing education and commercial or government buildings.

Easy to install by design, it is simple to adjust the standard closing and backcheck controls. Retrofit and upgrade paths are simple, as Close-Motion® uses the same mounting positions as the four core ASSA ABLOY door closer variants DC200, 300, 500 and 700. It is also suitable for retrofitting on single and double leaf* fire and smoke protection doors.

Close-Motion® in. Noise out.

The perfect solution to quiet and secure door closing challenges.

* CE certificates applied for



Advantages at a glance

Close-Motion® technology

1

Provides, quiet and safe closing, minimising the danger of finger traps.

2

Produces optimal damping when closing for quiet door closing action.

3

Increases the closing force to pull the door securely into the frame.

4

Closes doors reliably in environments when external wind pressure or air pressure differentials can be problematic.

5

Combines with other ASSA ABLOY architectural hardware to create a complete door opening solution by design.

6

Suitable for single and double-leaf doors*.

* CE certificates applied for



Designed to enhance your specification...

...the latest evolution that works with your architectural vision

Subtle contrast

Sophisticated and sleek, ASSA ABLOY door controls blend lightly contrasting colours and finishes to give a pleasing enhancement to the door design, perfect for all environments.

Definition and continuity

Strong lines combined with light metallic finishes make a powerful statement. The hallmark horizontal groove provides recognisable continuity from model to model.

Quieter by design

Close-Motion® integrates the damping mechanism unobtrusively into the guide rail, so its extra features do not detract from the hallmark ASSA ABLOY portfolio design.



Distinctive and modern

Contemporary in appearance, with neat chamfered edges that exude quality and robustness.

Smooth and robust

A distinct yet unobtrusive appearance achieved with soft angles and a double radius.

Built to the highest standards of quality and compliance, Close-Motion® offers unique user comfort in an aesthetically pleasing design, to give a door opening solution that matches your needs.



The ASSA ABLOY door control range is a 2018 winner of an Iconic Award for Innovative Architecture – the Iconic Awards are an annual international architecture and design competition established by the German Design Council.

DC700G-CM

Door closer with Cam-Motion® technology and integrated Close-Motion® element



ASSA ABLOY DC700G-CM

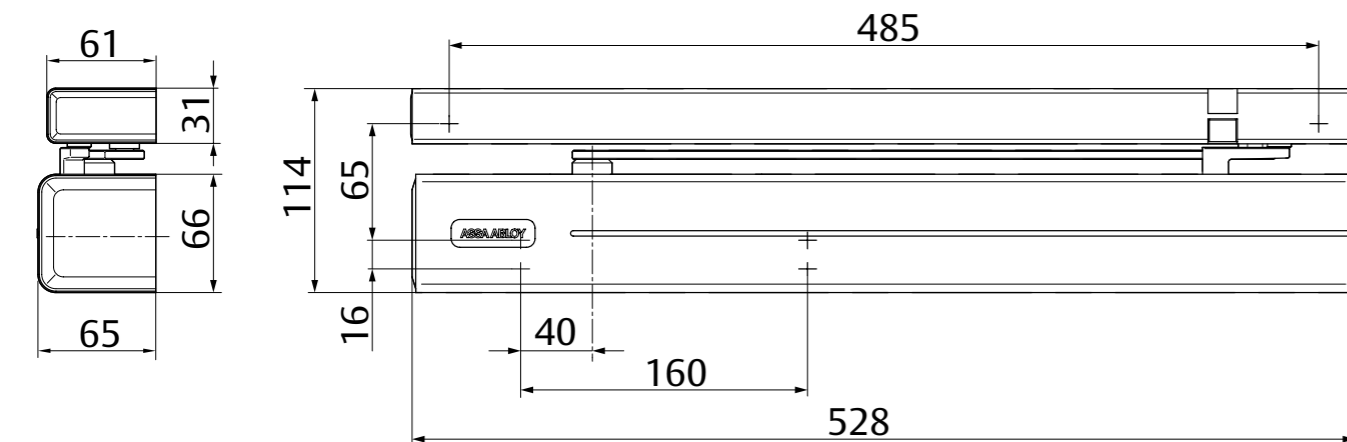
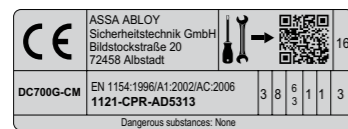
- Door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element for safe and noiseless closing
- The door can be pulled closed safely and quietly from an angle of $\leq 10^\circ$
- Suitable for retrofitting on fire doors and smoke control doors and fastening using drilling template in accordance with DIN EN 1154, supplementary sheet 1:2003-11
- Suitable for fire and smoke protection doors with tamper protection
- Tested as a whole element in accordance with EN 1154, size 3-6
- For single action doors up to 1400 mm wide
- Variants tested according to EN 1155 and EN 1158 (CE certificates applied for)

Characteristics of DC700G-CM

- Integrated Close-Motion® element in extended closer housing
- Close-Motion® element with horizontal and vertical adjustment
- Optional tamper protection, installation without dismantling function elements
- Standard installation on hinge side
- Can be used for left and right-handed doors
- 14 mm height adjustable arm system for ease of fitting
- Closing speed and latching speed continuously adjustable from front
- Variable adjustable closing force
- Opening angle up to 170°
- Thermodynamic valves for consistent speed
- Standard colours: Silver EV1, stainless steel design

Characteristics of G150

- Close-Motion® control curve integrated in the guide rail
- Drilling template of the standard guide rails from ASSA ABLOY can be used
- Height-adjustable by 2 mm for tolerance
- Concealed fastening screws



DC700G-CM

Technical attributes

Technical attributes	
Closing force	Variable adjustable EN 3-6
Door width up to	1400 mm
Suitable for fire doors	Yes
Handing	Left / right handed
Mounting method	Standard installation on hinge side
Closing speed	Variable between 170° - 10°
Latching speed	Variable between 10° - 0°
Backcheck	Variable above 75°
Max. door opening angle hinge side	ca. 170°
Certified in compliance with	EN 1154 EN 1155* EN 1158*
CE marking for building products	Yes
Weight	5.9 kg
Dimension door closer	528 x 66 x 66 mm
Dimension guide rail	528 x 30 x 61 mm
Close-Motion® unit	
Support when closing	Yes
Damping when closing	Yes
Suitable for fire doors	Yes, with tamper protection
Handing	Left / right handed
Tamper protection	Left / right handed

* CE certificates applied for

The advantages at a glance

Customer segment	Advantages
Project planners	<ul style="list-style-type: none"> - Integrated Close-Motion® element - Solution for challenging door situations (e.g. interlocks) - Extensive range of uses - Compact design - Modern design - For doors with a door width up to 1400 mm
Builders	<ul style="list-style-type: none"> - Suitable for retrofitting using drilling template in accordance with DIN EN 1154, supplementary sheet 1 - Pre-assembled component modules for quick and easy installation - Can be used for left and right handed doors for standard mounting on hinge side - For doors with a door width up to 1400 mm
Trade	
User	<ul style="list-style-type: none"> - The door can be closed safely and silently - Minimized danger of fingers being crushed when the door closes - Optional: Tamper protection to prevent blocking of functional elements

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.co.uk/doorclosers

Specifications DC700G-CM

- ASSA ABLOY door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element; guide rail with Close-Motion® control curve.
- Closing power adjustable, EN size 3-6, for doors up to 1400 mm wide
 - Door closer DC700 tested in accordance with DIN EN 1154, with CE mark
 - Closing speed, latching speed and backcheck continuously adjustable
 - 14 mm height adjustable arm system for ease of fitting
 - Suitable for fire and smoke protection doors
 - Suitable for left and right handed doors
 - Close-Motion® element horizontal (± 6 mm) and vertical (± 5 mm) adjustable

Accessories:

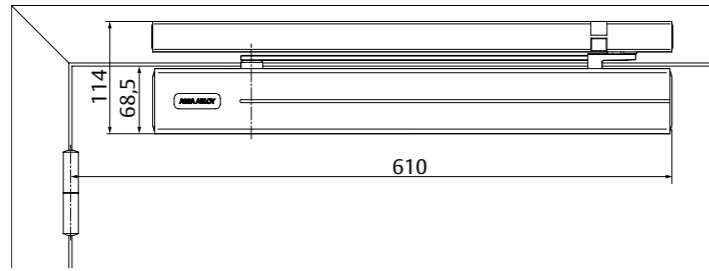
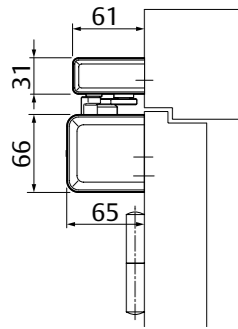
- Mounting plate A131
- Mechanical opening damper A188
- Mech. hold-open device A158 (not for fire and smoke protection doors)
- Tamper protection M220 / M225
- Adapter plate A230 / A240 / A250 / A260

Colour:

- Silver EV1
- Stainless steel design

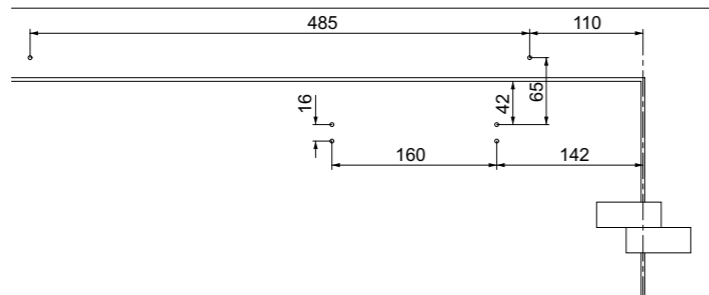
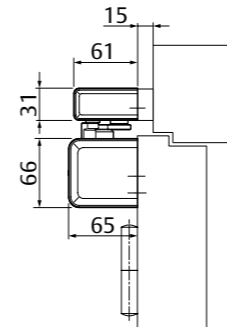
DC700G-CM

Dimensional drawings and accessories



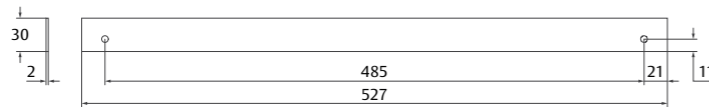
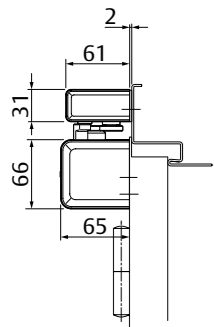
Space required on doors for standard installation on hinge side

Left handed door shown in diagram
Right handed door is the reverse



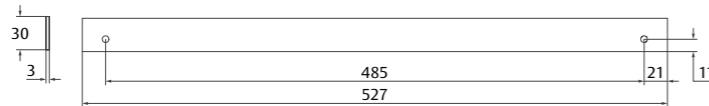
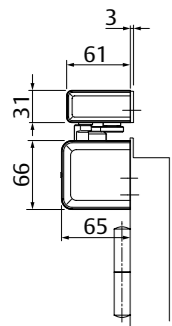
Installation dimensions for direct standard mounting on hinge side

Right handed door shown in diagram
Left handed door is the reverse



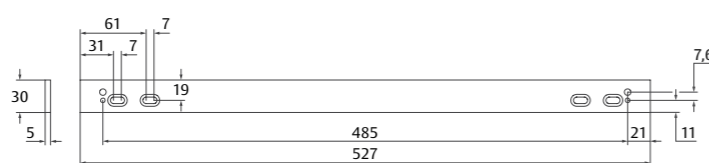
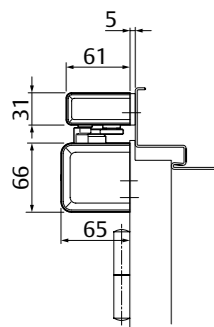
Adapter plate A230 / 2 mm

For mounting the guide rail to rebated doors
Combination with A240, A250, A260 possible



Adapter plate A240 / 3 mm

For mounting the guide rail to rebated doors
Combination with A230, A250, A260 possible

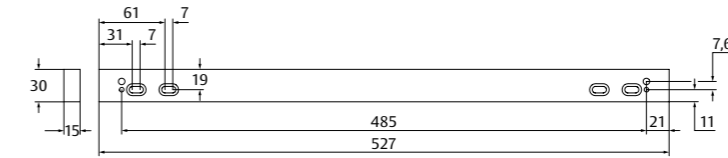


Adapter plate A250 / 5 mm

For mounting the guide rail to rebated doors
Combination with A230, A240, A260 possible

DC700G-CM

Accessories and order placement information



Mechanical Hold-Open Device A158

Mechanical hold-open device for temporarily holding doors open
Doors held open at an opening angle of 130° hinge side
Continuously adjustable holding force
Not approved for use on fire and smoke protection doors

Opening damper A188

Helps to prevent the door and door handle from hitting a return wall.
Simple installation in the guide rail, but doesn't replace the need for a door stop

Adapter plate A260 / 15 mm

For mounting the guide rail to rebated doors
Combination with A230, A240, A250 possible



Designation / Item	Order no.
DC700G-CM, EN size 3-6, silver EV1	DC700CM---DEV1-
DC700G-CM, EN size 3-6, stainless steel design	DC700CM---D35--
Guide rail G150, silver EV1	DCG150----DEV1-
Guide rail G150, stainless steel	DCG150----D35--
Mounting plate A131, silver EV1	DCA131-----EV1-
Mounting plate A131, white, similar to RAL9016	DCA131-----9016
Tamper protection M220, galvanized	DCM220-----40
Tamper protection M225, galvanized	DCM225-----40
Adapter plate A230, 2 mm, stainless steel	DCA230-----35--
Adapter plate A240, 3 mm, stainless steel	DCA240-----35--
Adapter plate A250, 5 mm, silver EV1	DCA250-----EV1-
Adapter plate A260, 15 mm, silver EV1	DCA260-----EV1-
Mechanical Hold-Open Device A158	DCA158-----
Opening damper A188	DCA188-----

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

ASSA ABLOY

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