



# Close-Motion® Quiet and secure by design

**ASSA ABLOY**

ASSA ABLOY Door Controls

Experience a safer  
and more open world

## 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 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.



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







## 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.

## 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...

## 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.



## 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.



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.

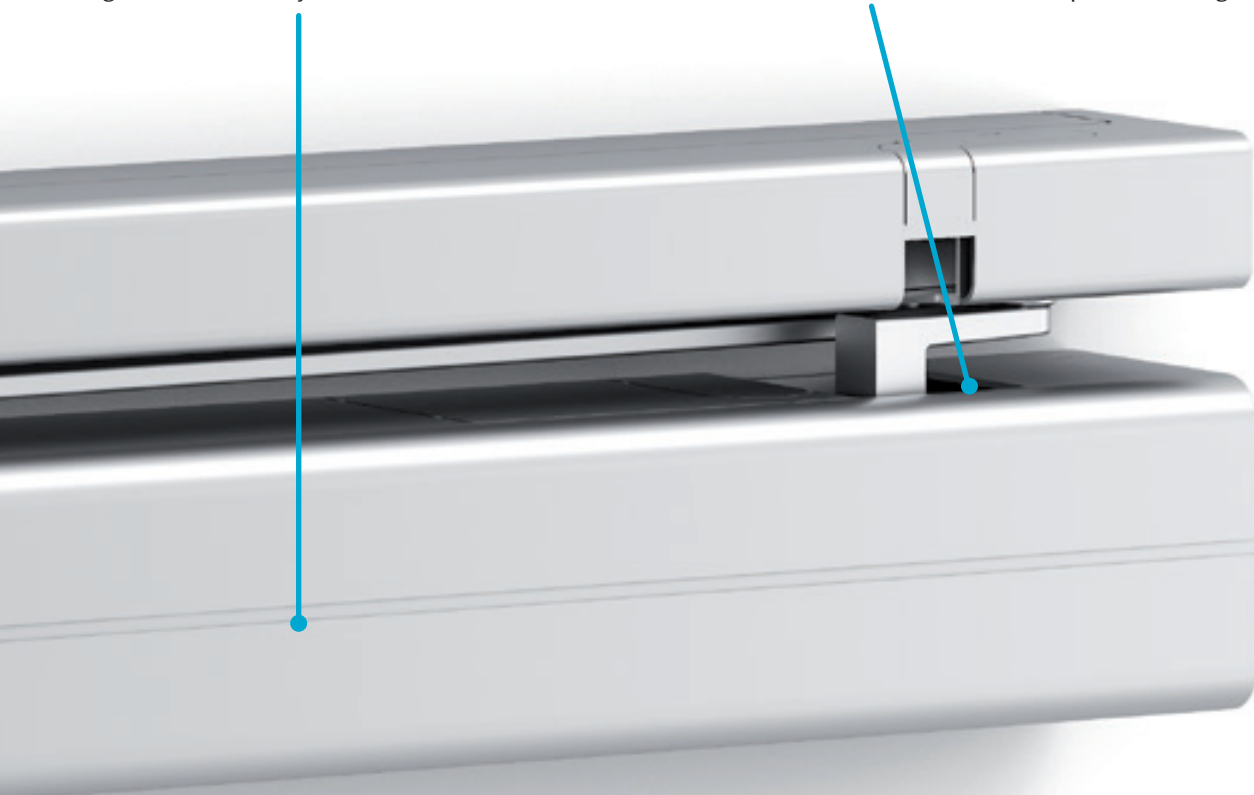
## ...the latest evolution that works with your architectural vision

### 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.



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.




## DC700G-CM

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

### ASSA ABLOY DC700G-CM

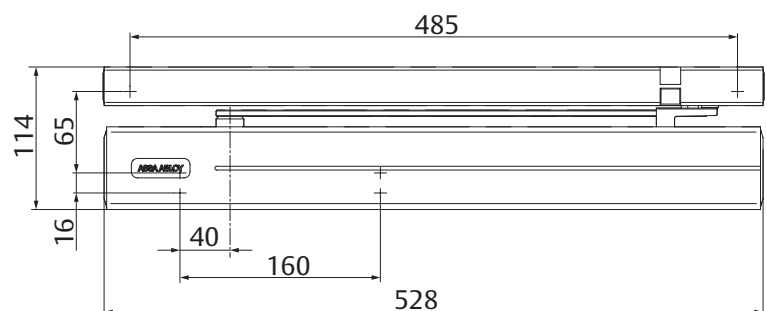
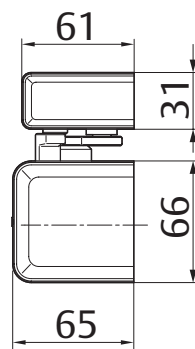
- Door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element for safe and noiseless closing
- The door can be pulled closed safely and quietly from an angle of  $\leq 10^\circ$
- Suitable for retrofitting on fire doors and smoke control doors and fastening using 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
- Tested according to EN 1155 and EN 1158 (CE certificates applied for)



	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt			16
	DC700G-CM			
EN 1154:1996/A1:2002/AC:2006 1121-CPR-AD5313		3 8 6 1 1 3		
Dangerous substances: None				

### 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 DG150-DEV1

- 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 (Check With The fire door manufacture)
Handing	Left / right handed
Mounting method	Standard installation on hinge side
Closing speed	Variable between 160°-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
<b>Close-Motion® unit</b>	
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

### 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 (± 6mm) and vertical (± 3.5 mm) adjustable

\* Check with the fire door manufacture

### The advantages at a glance

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

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

### Accessories:

- Mounting plate DCA131
- Mechanical opening damper DCA188
- Mech. hold-open device DCA158 (not for fire and smoke protection doors)
- Tamper protection DCM220 / DCM225
- Adapter plate DCA230 / DCA240 / DCA250 / DCA260

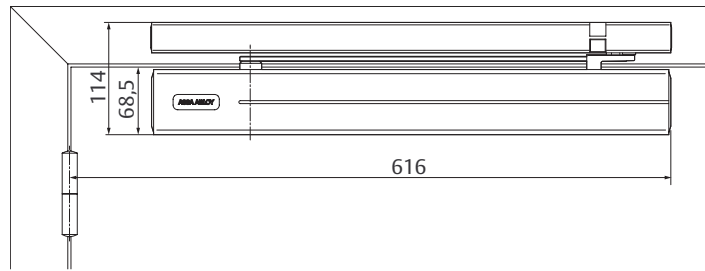
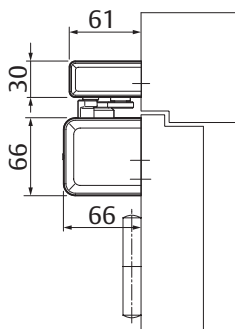
### Colour:

- Silver EV1

You can find the complete specification at:  
[www.assaabloy.co.nz](http://www.assaabloy.co.nz)

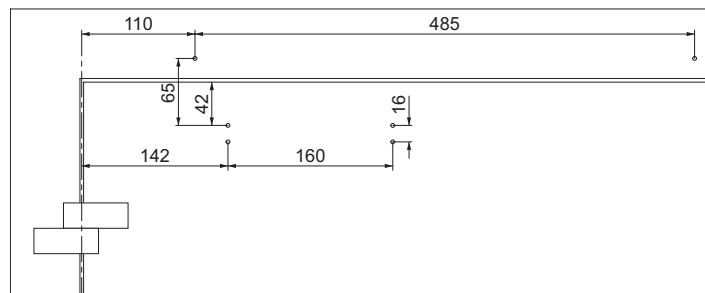
# DC700G-CM

## Dimensional drawings and accessories



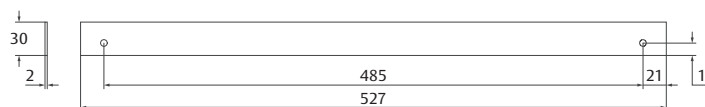
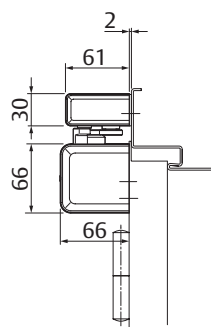
Space required on doors  
for standard installation  
on hinge side

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



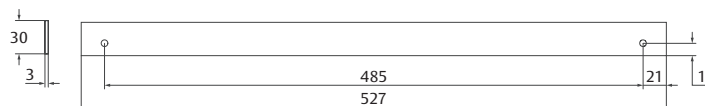
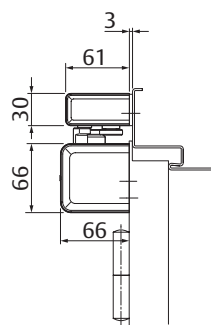
Installation dimensions  
for direct standard  
mounting on hinge side

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



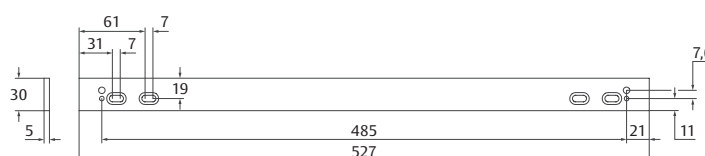
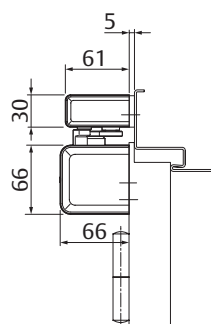
Adapter plate  
DCA230 / 2 mm

For mounting the guide  
rail to rabated doors  
Combination with  
DCA240, DCA250,  
DCA260 possible



Adapter plate  
DCA240 / 3 mm

For mounting the guide  
rail to rabated doors  
Combination with  
DCA230, DCA250,  
DCA260 possible

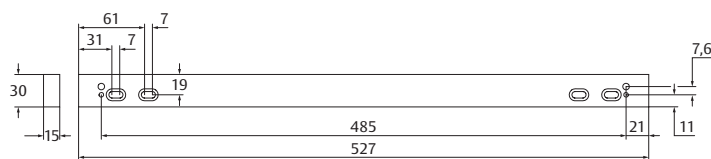
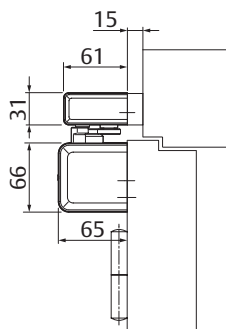


Adapter plate  
DCA250 / 5 mm

For mounting the guide  
rail to rabated doors  
Combination with  
DCA230, DCA240,  
DCA260 possible

# DC700G-CM

## Accessories and order placement information



### Adapter plate DCA260 / 15 mm

For mounting the guide rail to rabated doors  
Combination with  
DCA230, DCA240,  
DCA250 possible

### Mechanical Hold-Open Device DCA158

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 DCA188

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



### Complete product

Description	Order no.
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER WITH GUIDE RAIL ARM	DC700G-CM
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER, GUIDE RAIL ARM AND LH TAMPER PROTECTION	DC700G-CM-LH
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER, GUIDE RAIL ARM AND RH TAMPER PROTECTION	DC700G-CM-RH
Parts and accessories	
Description	Order no.
ASSA ABLOY DC700 CLOSE MOTION DOOR CLOSER WITH GUIDE RAIL ARM	DC700CM-DEV1
ASSA ABLOY DC700 DOOR CLOSER BODY WITH CLOSE MOTION	DCG150-DEV1
DC700G-CM GUIDE RAIL MOUNTING PLATE	DCA131
DC700G-CM MECHANICAL HOLD OPEN DEVICE	DCA158
DC700G-CM OPENING DAMPER	DCA188
DC700G-CM GUIDE RAIL MOUNTING PLATE - 2MM	DCA230
DC700G-CM GUIDE RAIL MOUNTING PLATE - 3MM	DCA240
DC700G-CM GUIDE RAIL MOUNTING PLATE - 5MM	DCA250
DC700G-CM GUIDE RAIL MOUNTING PLATE - 15MM	DCA260
DC700G-CM DOOR CLOSER BODY MOUNTING PLATE - 5MM	DCA275
DC700G-CM DOOR CLOSER BODY MOUNTING PLATE - 3MM	DCA276
DC700G-CM DOOR CLOSER BODY MOUNTING PLATE - 2MM	DCA277
DC700G-CM TAMPER PROTECTION - RIGHT HAND	DCM220
DC700G-CM TAMPER PROTECTION - LEFT HAND	DCM225
DC700G-CM COVER COMPLETE FOR BODY, SILVER EV1	DCSP-41
DC700G-CM CLOSE MOTION ELEMENT COMPLETE	DCSP-42
DC700G-CM ACCESSORY BAG FOR CM INCL. RELEASE LEVER	DCSP-43
DC700G-CM ACCESSORY BAG FOR G150, SILVER EV1	DCSP-44
DC700G-CM COVER FOR GUIDE RAIL G150, SILVER EV1	DCSP-45

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

**ASSA ABLOY**  
Opening Solutions

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