

# Door closers from ASSA ABLOY



Surprisingly quiet:  
the Close-Motion® technology

**ASSA ABLOY**

The global leader in  
door opening solutions

## Surprisingly quiet: the innovative Close-Motion® technology

How quiet a door closer can be? With the innovative Close-Motion® technology from ASSA ABLOY, doors glide practically silently and completely reliably into the latched status. The door leaf initially closes like any conventional door closer from the ASSA ABLOY complete range. Close-Motion® ensures that the door not only closes quickly, but is also optimally damped during the closing action. In simple terms, this means

that the door initially closes quickly, is softly damped and is finally pulled reliably closed. The best thing is Close-Motion® minimizes the maintenance requirements and removes the need for complicated adjustments on the door closer. Installation and retrofitting are also extremely simple. Once Close-Motion® is in, noise simply stays outside.

### All the advantages at a glance

- *The door closes quickly and practically silently*
- *Optimal damping when moving into the closing position*
- *The door is reliably pulled closed against the seal*
- *Improved closing function in wind pressure, draughts, suction*
- *Appealing design through integration in the door closer housing*
- *Suitable for single and double-leaf doors*
- *No regular adjustments required*
- *Minimizes the danger of crushing for fingers*

All door closers from the DC700 series are available optionally with Close-Motion®



## The perfect combination: design meets comfort

Hotels, hospitals and apartment buildings in particular are faced with the challenge of creating a pleasant, quiet atmosphere despite the noisy environment. Self-closing doors in heavily frequented entrance and exit areas, staircases, corridors and rooms are a massive source of noise here. The closing and opening forces are often too high and prove to be

difficult obstacles for children, more elderly residents or guests carrying luggage. Close-Motion® was developed with these problems in mind. Danger and noise sources can only be minimized with an innovative silencing technology for all door closers. Close-Motion® helps to achieve quiet, as well as a pleasant closing comfort.

Close-Motion® in, noise out – anywhere where a pleasant atmosphere is particularly important



## Maximum function with minimal installation requirements

All ASSA ABLOY door closers impress with the combination of technological functions and comfortable handling. The compatible accessories for the door closer systems, like the invisible mounting plate, enable fast and convenient installation. The closing force and strength, as well as the backcheck and latching speed, can be controlled in just a few steps. The good news: with the new Close-Motion® technology, further

adjustments are a thing of the past! The soft damping and gentle closing action of the door means that no subsequent adjustment work on the door closer is required. Only a one-off basic setting is required. The standard installation of a door closer with Close-Motion® is as smooth as the assembly of a conventional ASSA ABLOY door closer from the complete range.

### Comfortable thanks to intelligent features: the practical Close-Motion® door closer installation

- *Simple mounting of the invisible mounting plate*
- *Height-adjustable axle can be adjusted manually*
- *Simple regulation of the backcheck and opening speed*
- *Problem-free adjustment of the closing force and strength*
- *Height-adjustable slide rail for simple installation*
- *Suitable for retrofitting on fire and smoke protection doors*
- *Mounting according to the drilling pattern DIN EN 1154*
- *For single action doors with a width of up to 1400 mm*

## Quiet on principle:

### One movement sequence, many usage areas

The Close-Motion® principle is already established in a wide range of sectors: from kitchen manufacturers to the automotive industry – the soft closing and damping of any door type guarantees a silent and reliable closing action. In the past, doors had to be regularly adjusted depending on the individual conditions on-site. Not with Close-Motion®. Once the innovative

system is installed, the door closes quietly as desired. And there are no more problems with draughts from open windows in corridors causing doors to slam loudly. Regardless of the season and weather conditions, Close-Motion® keeps its promises: doors glide gently into the lock for an all-round quiet atmosphere.

For centrally positioned doors in commercial buildings like hotels



In the tourism and hotel sector in particular, self-closing doors are required that are also easy to use. In the room and corridor area, a quiet atmosphere must be created to ensure that guests enjoy a relaxing stay and undisturbed sleep.

For entrance and exit areas in private apartment buildings



Open windows, tilted balcony doors and basement doors left ajar all create an unpleasant draught in the corridors, which causes doors to slam shut loudly. With Close-Motion®, quiet is restored once and for all. The innovative Close-Motion® technology guarantees optimal closing regardless of the conditions on-site.

For heavily frequented doors in public buildings like hospitals



A quiet environment is essential in hospitals, as the best medicine is often quiet and relaxation. With Close-Motion®, doors around hospital rooms, treatment rooms and central areas close extremely gently and quietly.

## 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
- For single action doors up to 1400 mm wide

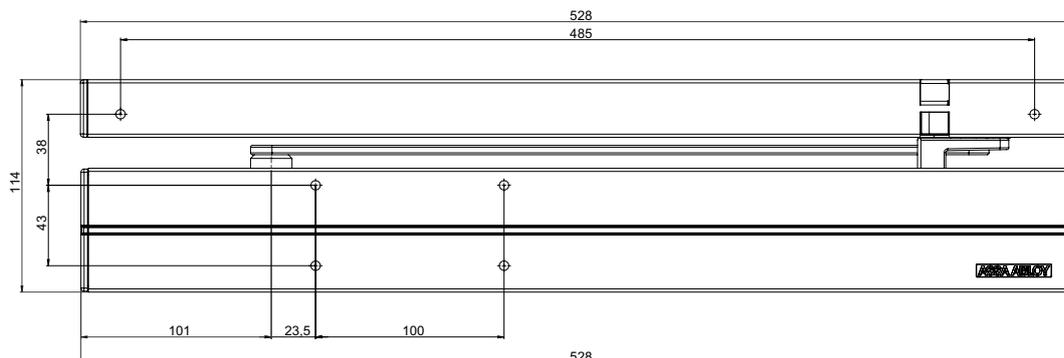
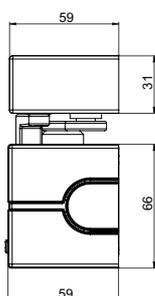
### Characteristics G150

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

### Characteristics 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 DIN left and DIN right-handed doors
- Axis continuously height adjustable up to 14 mm
- Closing speed and latching speed continuously adjustable from front
- Variable adjustable closing force
- Opening angle up to  $170^\circ$
- Thermodynamic valves for consistent speed
- Standard colors: Silver EV1, stainless steel design

CE	ASSA ABLOY Sicherheitstechnik GmbH Bildstockstraße 20 72458 Albstadt					16
	DC700G-CM	EN 1154:1996/A1:2002/AC:2006 1121-CPR-AD5313	3	8	6 3	4 1 1 3
Dangerous substances: None						



# DC700G-CM

## Technical attributes

Technical attributes	
Variable adjustable closing force	EN 3-6
Door width up to	1400 mm
Fire and smoke protection	Yes
DIN door swing directions	left / right handed
Standard installation on hinge side	Yes
Closing speed	Variable between 170°-10°
Latching speed	Variable between 10°-0°
Backcheck	Variable above 75°
Opening angle hinge side	ca. 170°
Door closer certified in compliance with	DIN EN 1154
CE marking for building products	
Dimensions door closer	527 x 66 x 59 mm
Dimensions guide rail	527 x 30 x 58 mm
Close Motion element	
Damping on closing	Yes
Support to pull tight	Yes
Fire and smoke protection	Yes, with Tamper protection
DIN direction	left / right handed
Tamper protection	left / right handed

### The advantages at a glance

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

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 1,400 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>- Suitable for DIN left and DIN right for standard installation on the hinge side</li> <li>- For doors with a door width up to 1,400 mm</li> </ul>
User	<ul style="list-style-type: none"> <li>- The door is closed safely and noiselessly</li> <li>- minimized danger of fingers being crushed when the door closes</li> <li>- Optional: Tamper protection to prevent unintentional activation</li> </ul>

### Specifications DC700G-CM

ASSA ABLOY door closer with Cam-Motion® technology, extended mounting plate and integrated Close-Motion® element; slide rail with integrated Close-Motion® control curve.

End-to-end protective cover for door closers and guide rails; suitable for retrofitting to fire doors with guide rail door closers and for fastening using drilling template acc. to EN 1154, Supplementary Sheet 1:2003-11;

- 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
- max. height adjustment via the axis 14mm, continuous
- Suitable for fire and smoke protection doors
- Suitable for left and right handed doors
- Close-Motion® unit with horizontal (± 6mm) and vertical (± 5 mm) adjustment

#### Accessories:

- Mounting plate A131
- Mechanical opening damper A188
- Manipulation protection M220 / M225

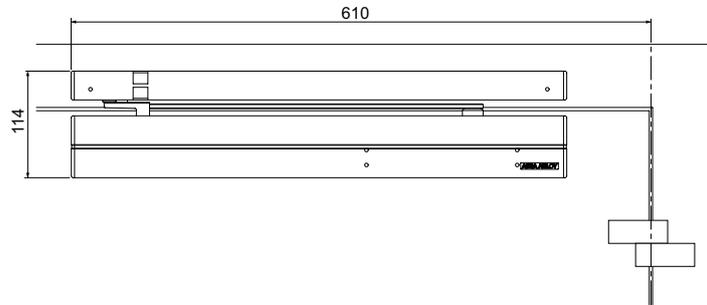
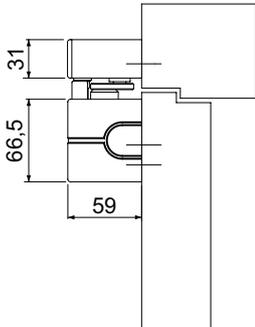
#### Colour:

- Silver EV1
- Stainless steel design

You can find the complete specifications on the Internet at: [www.assaabloy.de](http://www.assaabloy.de), under „Service“ in the support section.

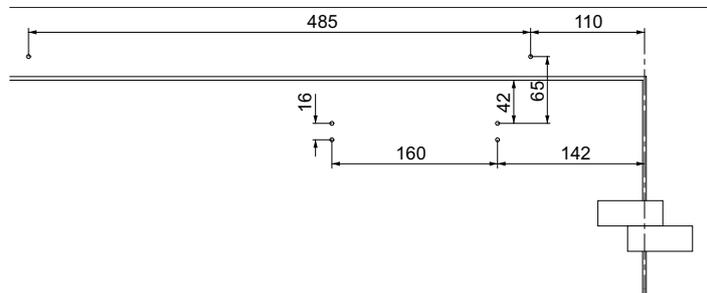
# DC700G-CM

## Dimensional drawings



Space required on doors  
for standard installation  
on hinge side

Right handed door  
shown in diagram  
Left 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

## At home in commercial and public buildings: ASSA ABLOY security technology

ASSA ABLOY is the global market leader for comprehensive security solutions for doors. With a workforce of 46,000 employees in over fifty countries, the group generates an annual turn-over of more than 7,5 billion euros. With its long-established IKON and effeff brands, ASSA ABLOY Sicherheitstechnik GmbH is one of Germany's top suppliers of mechanical and electromechanical security systems, locking systems

and escape route technology for buildings of all sizes and types. ASSA ABLOY's security solutions provide optimum security, protection and convenience for companies, public institutions and private homes. Our numerous reference projects in the public buildings and commercial sector include nursery schools, schools, universities, law courts, police stations, hotels, hospitals, stadiums and many other kinds of premises.

Our production facility in Berlin mainly manufactures mechanical and mechatronic locking cylinders and locking systems.



**IKON**  
ASSA ABLOY

Our production facility in Albstadt produces security locks, electric strikes, access control systems, escape route technology and other security solutions.



**effeff**  
ASSA ABLOY

## Security technology must function and must look good

With its long-established IKON and effeff brands, ASSA ABLOY Sicherheitstechnik GmbH offers products and solutions featuring high quality and superior design. The company constantly develops new, inno-

vative security technology for the residential sector, small firms, large companies and multinationals based on its decades of experience and extensive know-how.



### Mechanical locking cylinders

Locking cylinders are the key component in a secure locking system and are the core expertise of ASSA ABLOY IKON's product brand. Products on offer include a wide range of models for doors and windows in houses, company buildings and on other premises.

IKON locking cylinders are certified to current security standards and provide maximum protection against break-ins.

The patented profiles are based on IKON's decades of expertise in precision mechanics and are effectively equipped to provide protection against customary break-in and tampering techniques.

- Individual locks
- Locking systems



### Mechatronic locking cylinders

Mechanical and electronic components in locking cylinders and keys provide double the protection in mechatronic locking systems. CLIQ technology enables access authorisations to be customised for each individual key – no need for wiring, just plug and play.

Easy reprogramming enables systems to be adjusted to new organisational structures at an extremely low cost; lost keys are simply eliminated from the system without the need to replace cylinders. CLIQ technology is a highly efficient, highly intelligent locking system for companies, institutions and organisations suitable for all door types and almost all cylinder types.

- Locking systems



### Access control

Whether it's a question of main or side entrances, strong rooms, development departments or laboratories, there are certain areas in buildings which need to be locked at all times. Access control systems regulate access to protected areas effectively, limiting entry to authorised groups of people without needlessly disrupting their day-to-day business. A straightforward solution for greater security, effeff access control systems protect and control buildings, individual rooms or other security-relevant areas. We offer an ex-

tensive range of different technologies, devices and systems, tailored to respective, specific security requirements. effeff access control systems satisfy our customers' individual requirements in residential buildings, public buildings, the health sector, leisure facilities, administrative buildings, industrial facilities and production plants.

- Access control fittings
- Access control systems



### Door closers

Door closers ensure fire doors function as they should along escape routes. The closing function also constitutes an important security feature for outside doors. ASSA ABLOY offers a highly effective system solution for automatic door closing in its product range. The modular system structure provides a whole range of model variations in identical housing, thus ensuring a uniform design. Lock bodies, engineering components and accessories can be combined with one another as required.

ASSA ABLOY door closers offer easy access thanks to perfectly adjusted closing and opening forces. They can be mounted on all sides of doors and are particularly easy to adjust.

- Top-mounted door closers
- Concealed door closers
- Security door closers



### Electric strikes

Electric door strikes allow you to unlock a door at the push of a button – without needing to go to the actual door yourself. effeff electric strikes offer high standards of security and convenience with a suitable electric strike for every installation location. This we can guarantee worldwide as effeff takes both national and international rules and regulations into account. effeff impresses with its certified and security electric strikes thanks to its sophisticated solutions for smoke protection doors, fire doors and other doors along

escape routes. Our wide range for high-security areas provides solutions for glass doors, sliding doors and clean room doors as well as for doors in explosion-prone areas or interlock systems.

- Standard electric strikes
- Smoke and fire protection electric strikes
- Escape door strikes
- Special electric strikes
- Accessories



### Escape route technology

effeff's escape route systems fully comply with requirements for uncompromising personal safety and maximum protection for property. Trust in effeff's know-how and reliability in emergency situations. Our escape route systems guarantee safe operation of escape route doors, regardless of whether the door is automatically locked or only used under authorisation. Safer use of escape routes is assured at all times in the event of an emergency.

effeff electric escape door control systems guarantee protection and safety in places such as department stores, schools, kindergartens, office buildings, airports and exhibition halls.

We also supply ideal solutions for specific uses such as restricted areas in hospitals.

- Escape door locking system
- Escape door monitoring



### MEDIATOR®

Entrance doors to apartment buildings – an issue which is always causing problems. Some people always lock the door, others never do.

With MEDIATOR®, ASSA ABLOY Sicherheitstechnik now offers a simple, yet brilliant solution:

This innovative system ensures doors always lock automatically as soon as they close due to the self-locking escape door lock and an effeff linear electric strike.

The door can also be opened for visitors from inside apartments using the electric strike.

MEDIATOR® can do much more than this, however.

It also ensures doors can be opened from the inside at any time using the door handle, even when doors are locked.

This means everyone can leave the building in the event of an emergency, whether they have a key or not. Apartment block entrance doors can be retrofitted with MEDIATOR® quickly and easily at a very reasonable price.

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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